

Supplementary Table S5 | Information of the differential expressed mRNAs in BC. The differential expressed mRNAs (DE-mRNAs) between BC samples and adjacent normal samples in TCGA database were identified, and a total of 8,202 up-regulated DE-mRNAs and 4,052 down-regulated DE-mRNAs and were obtained.

gene name	gene id	log2 (fold change)	p-value	category
CT45A10	ENSG00000269586	22.50268004	5.43235E-54	up-regulated gene
FGB	ENSG00000171564	9.40344663	2.71421E-16	up-regulated gene
SPRR2C	ENSG00000229035	8.452456543	4.4738E-09	up-regulated gene
CTAG2	ENSG00000126890	8.293798063	1.16251E-11	up-regulated gene
SAGE1	ENSG00000181433	8.280404805	4.86734E-11	up-regulated gene
S100A7A	ENSG00000184330	8.245767971	7.94931E-14	up-regulated gene
BAGE2	ENSG00000187172	7.978384912	2.89155E-09	up-regulated gene
GC	ENSG00000145321	7.813446718	1.44598E-07	up-regulated gene
AC105460.1	ENSG00000250920	7.71311201	1.02519E-09	up-regulated gene
FGA	ENSG00000171560	7.662487024	4.31472E-10	up-regulated gene
LINC02474	ENSG00000228437	7.618581298	1.46474E-13	up-regulated gene
AC079466.1	ENSG00000266976	7.354606524	2.97753E-10	up-regulated gene
PRSS56	ENSG00000237412	7.233355563	6.07008E-07	up-regulated gene
FABP1	ENSG00000163586	7.144999006	9.57536E-07	up-regulated gene
KRT14	ENSG00000186847	7.143445622	5.79286E-21	up-regulated gene
LINC00460	ENSG00000233532	7.093916369	2.59383E-16	up-regulated gene
HSD3B1	ENSG00000203857	7.031728923	1.60521E-13	up-regulated gene
KLK5	ENSG00000167754	6.972977792	5.1353E-11	up-regulated gene
KRT6B	ENSG00000185479	6.917184729	4.10059E-15	up-regulated gene
CT83	ENSG00000204019	6.896845261	6.9179E-07	up-regulated gene
COL10A1	ENSG00000123500	6.821409673	3.44841E-32	up-regulated gene
CST1	ENSG00000170373	6.803773232	1.37643E-28	up-regulated gene
IGF2BP1	ENSG00000159217	6.735043844	1.34925E-19	up-regulated gene
CST4	ENSG00000101441	6.732427096	1.64189E-16	up-regulated gene
CASC22	ENSG00000260887	6.628897943	4.96381E-08	up-regulated gene
SPRR2G	ENSG00000159516	6.628562885	1.22939E-08	up-regulated gene
LINC01419	ENSG00000253898	6.623701214	1.20146E-08	up-regulated gene
MAGEC1	ENSG00000155495	6.574490615	4.64041E-07	up-regulated gene
AC011298.1	ENSG00000219159	6.542762116	1.72711E-15	up-regulated gene
ALPP	ENSG00000163283	6.502566399	3.1985E-20	up-regulated gene
DCAF4L2	ENSG00000176566	6.487295147	0.000112764	up-regulated gene
KRT6C	ENSG00000170465	6.480508653	1.18743E-12	up-regulated gene
MIR548XHG	ENSG00000224141	6.436245667	1.57663E-08	up-regulated gene
SLC1A6	ENSG00000105143	6.434901953	6.16381E-17	up-regulated gene
ERVV-2	ENSG00000268964	6.427593623	6.03625E-14	up-regulated gene
TLX1	ENSG00000107807	6.41814926	1.18158E-13	up-regulated gene
MAGEA12	ENSG00000213401	6.388462864	4.08587E-10	up-regulated gene
MAGEA9	ENSG00000123584	6.328169432	3.4992E-06	up-regulated gene
LINC02241	ENSG00000251629	6.294237357	3.55211E-08	up-regulated gene
LHX1	ENSG00000273706	6.288284709	3.73415E-13	up-regulated gene
SPRR2E	ENSG00000203785	6.209834256	4.40433E-10	up-regulated gene
MUC16	ENSG00000181143	6.186764785	1.40867E-17	up-regulated gene
SSX1	ENSG00000126752	6.178120814	4.57982E-06	up-regulated gene
APOA2	ENSG00000158874	6.146782089	1.02587E-10	up-regulated gene

PRSS1	ENSG00000204983	6.091077551	1.61795E-11	up-regulated gene
KLK6	ENSG00000167755	6.081807429	5.78056E-13	up-regulated gene
IGFL3	ENSG00000188624	6.064320151	1.93941E-09	up-regulated gene
AL161431.1	ENSG00000275216	6.045364203	1.00975E-14	up-regulated gene
CSAG1	ENSG00000198930	6.01457244	1.06124E-13	up-regulated gene
CST2	ENSG00000170369	6.010336413	1.0262E-19	up-regulated gene
KRTDAP	ENSG00000188508	5.991788032	1.283E-13	up-regulated gene
PSG5	ENSG00000204941	5.986751695	3.30607E-11	up-regulated gene
KLK7	ENSG00000169035	5.983082762	3.69842E-10	up-regulated gene
MAGEA4	ENSG00000147381	5.970474597	1.24E-09	up-regulated gene
LINC02864	ENSG00000263711	5.965880756	2.92289E-11	up-regulated gene
S100A7	ENSG00000143556	5.945210943	4.56726E-13	up-regulated gene
AC244107.1	ENSG00000226141	5.945132129	1.39095E-05	up-regulated gene
TUBA3E	ENSG00000152086	5.941909011	2.44391E-08	up-regulated gene
LBX1	ENSG00000138136	5.938699	2.27784E-08	up-regulated gene
LINC02154	ENSG00000235385	5.929875258	2.60929E-13	up-regulated gene
DSCR4	ENSG00000184029	5.887583986	1.46602E-06	up-regulated gene
HAVCR1	ENSG00000113249	5.880801995	1.17539E-12	up-regulated gene
ALB	ENSG00000163631	5.867547316	5.21553E-13	up-regulated gene
CGB5	ENSG00000189052	5.866979421	3.52514E-11	up-regulated gene
EN1	ENSG00000163064	5.814420795	8.53247E-15	up-regulated gene
TNNI3	ENSG00000129991	5.798999714	1.53045E-18	up-regulated gene
C6orf15	ENSG00000204542	5.796071219	3.57976E-08	up-regulated gene
PAGE2	ENSG00000234068	5.787084944	2.72579E-05	up-regulated gene
COL11A1	ENSG00000060718	5.772679053	9.74034E-25	up-regulated gene
FAR2P1	ENSG00000180178	5.752393167	2.25472E-14	up-regulated gene
PRAME	ENSG00000185686	5.728724597	6.12007E-12	up-regulated gene
UGT2A3	ENSG00000135220	5.726367428	4.78628E-06	up-regulated gene
LINC02582	ENSG00000261780	5.72250373	3.30489E-06	up-regulated gene
SPANXB1	ENSG00000227234	5.687465926	0.000212739	up-regulated gene
IGFL2	ENSG00000204866	5.681538065	1.15894E-17	up-regulated gene
MAGEA4-AS1	ENSG00000229967	5.669612064	2.11293E-08	up-regulated gene
NAA11	ENSG00000156269	5.645117641	6.87168E-07	up-regulated gene
APOC3	ENSG00000110245	5.63423903	0.000229743	up-regulated gene
HMGA2	ENSG00000149948	5.630819555	3.81795E-16	up-regulated gene
SPDYC	ENSG00000204710	5.621850011	9.60397E-13	up-regulated gene
CASP14	ENSG00000105141	5.587128346	7.40187E-14	up-regulated gene
Z98257.1	ENSG00000227066	5.575628185	1.1751E-18	up-regulated gene
LINC01608	ENSG00000253877	5.554794535	0.000827187	up-regulated gene
AL691420.1	ENSG00000228714	5.530580423	8.89943E-07	up-regulated gene
SPRR2D	ENSG00000163216	5.513109363	3.48181E-13	up-regulated gene
FGL1	ENSG00000104760	5.499379663	1.4023E-08	up-regulated gene
KLK8	ENSG00000129455	5.497795683	1.08367E-08	up-regulated gene
LINC01541	ENSG00000260676	5.465113988	7.55838E-05	up-regulated gene
FAR2P4	ENSG00000231431	5.440402352	7.92993E-09	up-regulated gene
DSCR8	ENSG00000198054	5.437788596	1.70764E-06	up-regulated gene
VN1R54P	ENSG00000232109	5.431767775	2.06744E-08	up-regulated gene
LBX1-AS1	ENSG00000227128	5.42271084	7.38001E-08	up-regulated gene
FGG	ENSG00000171557	5.41786672	2.9714E-07	up-regulated gene

KLF2P1	ENSG00000231240	5.41201307	8.06549E-10	up-regulated gene
7SK	ENSG00000271394	5.396877125	3.55688E-08	up-regulated gene
MMP11	ENSG00000099953	5.389535942	7.32347E-30	up-regulated gene
GBX1	ENSG00000164900	5.388568334	2.11907E-09	up-regulated gene
LHX1-DT	ENSG00000277268	5.387642052	5.40509E-09	up-regulated gene
KRT75	ENSG00000170454	5.346220594	1.68818E-08	up-regulated gene
MAGEC2	ENSG00000046774	5.338472229	3.14537E-06	up-regulated gene
BARX1	ENSG00000131668	5.332799562	9.01611E-17	up-regulated gene
NKX2-5	ENSG00000183072	5.325483206	5.66336E-08	up-regulated gene
ZNF736P9Y	ENSG00000239893	5.321428781	8.47851E-10	up-regulated gene
PRSS2	ENSG00000275896	5.320134289	2.56439E-10	up-regulated gene
PAEP	ENSG00000122133	5.317302497	2.37668E-10	up-regulated gene
LINC01956	ENSG00000258910	5.314066046	3.66206E-08	up-regulated gene
AACSP1	ENSG00000250420	5.302272915	1.99626E-10	up-regulated gene
CASC20	ENSG00000229876	5.287463307	3.01479E-09	up-regulated gene
APOH	ENSG00000091583	5.284684265	1.73181E-06	up-regulated gene
PHF2P2	ENSG00000226057	5.269444916	2.84979E-05	up-regulated gene
NKX2-1	ENSG00000136352	5.267465137	5.09902E-07	up-regulated gene
KRT31	ENSG00000094796	5.239001449	1.33923E-10	up-regulated gene
ADAM2	ENSG00000104755	5.230535911	1.30141E-07	up-regulated gene
PRR9	ENSG00000203783	5.224385175	9.40371E-10	up-regulated gene
AHSG	ENSG00000145192	5.214796036	3.18211E-06	up-regulated gene
EPYC	ENSG00000083782	5.194618146	6.93404E-11	up-regulated gene
FTHL17	ENSG00000132446	5.191932552	0.002621311	up-regulated gene
MARCHF4	ENSG00000144583	5.190390223	2.02366E-16	up-regulated gene
LINC01194	ENSG00000248131	5.17805952	4.18864E-06	up-regulated gene
MAGEA10	ENSG00000124260	5.172187802	5.39529E-09	up-regulated gene
CYCSP6	ENSG00000214429	5.17079318	2.85023E-10	up-regulated gene
AC106875.1	ENSG00000228496	5.162023315	1.5528E-06	up-regulated gene
MAGEA6	ENSG00000197172	5.161316696	5.27451E-09	up-regulated gene
KLF2P4	ENSG00000236516	5.136657674	9.34272E-07	up-regulated gene
GUCA2A	ENSG00000197273	5.117806376	4.67278E-09	up-regulated gene
LNCAROD	ENSG00000231131	5.113237795	8.07843E-08	up-regulated gene
KLK2	ENSG00000167751	5.112890283	5.71179E-09	up-regulated gene
IL36RN	ENSG00000136695	5.11118479	3.80102E-15	up-regulated gene
CGB8	ENSG00000213030	5.110782655	3.11142E-08	up-regulated gene
LINC02616	ENSG00000261761	5.109825032	7.99808E-06	up-regulated gene
PNMA5	ENSG00000198883	5.107613469	1.07466E-08	up-regulated gene
BX276092.7	ENSG00000237265	5.091234631	1.96477E-08	up-regulated gene
FAM230C	ENSG00000279516	5.066722678	6.37767E-05	up-regulated gene
CCNYL2	ENSG00000182632	5.057447017	1.35994E-11	up-regulated gene
LINC00973	ENSG00000240476	5.055153855	4.68986E-06	up-regulated gene
KRT81	ENSG00000205426	5.050796147	2.33657E-14	up-regulated gene
LINC02335	ENSG00000278630	5.026171592	0.000364412	up-regulated gene
ALPG	ENSG00000163286	5.021547668	6.54602E-10	up-regulated gene
KRT79	ENSG00000185640	5.01886758	1.1601E-13	up-regulated gene
NF1P8	ENSG00000236956	5.014702754	0.000345444	up-regulated gene
DPPA2	ENSG00000163530	5.011052156	0.000691986	up-regulated gene
NLRP7	ENSG00000167634	4.99240851	8.12433E-14	up-regulated gene

PIWIL3	ENSG00000184571	4.97827671	7.77276E-07	up-regulated gene
MAGEA11	ENSG00000185247	4.977399722	1.23495E-10	up-regulated gene
ERVH48-1	ENSG00000233056	4.972916195	5.80286E-12	up-regulated gene
AC100801.1	ENSG00000253154	4.969195201	2.09972E-06	up-regulated gene
COX7B2	ENSG00000170516	4.967753998	1.19805E-05	up-regulated gene
MAGEA1	ENSG00000198681	4.959547081	3.0561E-06	up-regulated gene
AC024230.1	ENSG00000248515	4.951437144	1.7257E-06	up-regulated gene
AF279873.3	ENSG00000253642	4.938465544	0.000322585	up-regulated gene
REG1A	ENSG00000115386	4.9366725	8.83198E-05	up-regulated gene
LINC00967	ENSG00000253138	4.929161527	4.8419E-08	up-regulated gene
PSG4	ENSG00000243137	4.924811728	1.98677E-09	up-regulated gene
C5orf46	ENSG00000178776	4.920736239	4.42074E-15	up-regulated gene
PPY2P	ENSG00000265060	4.886115804	4.43967E-06	up-regulated gene
GBA3	ENSG00000249948	4.879406902	2.01335E-07	up-regulated gene
ROS1	ENSG00000047936	4.874880982	2.09001E-10	up-regulated gene
PSORS1C2	ENSG00000204538	4.872897098	9.15485E-14	up-regulated gene
LINC02377	ENSG00000250102	4.870958559	9.45265E-06	up-regulated gene
GAGE2A	ENSG00000189064	4.867690948	0.012607572	up-regulated gene
TM4SF19	ENSG00000145107	4.859934803	3.65869E-16	up-regulated gene
KRT16P6	ENSG00000226145	4.859621365	9.42074E-11	up-regulated gene
MED15P9	ENSG00000223760	4.852262037	1.21253E-05	up-regulated gene
KLK3	ENSG00000142515	4.84573828	7.50509E-05	up-regulated gene
MIR137HG	ENSG00000225206	4.845664888	3.30355E-05	up-regulated gene
PPP4R3C	ENSG00000224960	4.836849499	0.000631322	up-regulated gene
ACTL8	ENSG00000117148	4.835484459	5.60547E-10	up-regulated gene
SPRR1B	ENSG00000169469	4.82138563	6.19681E-12	up-regulated gene
ODAPH	ENSG00000174792	4.811370752	2.55578E-14	up-regulated gene
TCHHL1	ENSG00000182898	4.808886167	2.39874E-05	up-regulated gene
ZIC5	ENSG00000139800	4.794546509	1.77692E-10	up-regulated gene
LINC01667	ENSG00000280081	4.790071433	0.00192479	up-regulated gene
PSG1	ENSG00000231924	4.785801205	0.000205756	up-regulated gene
AC090809.1	ENSG00000253363	4.765488719	7.08978E-05	up-regulated gene
LINC02476	ENSG00000225546	4.76182733	0.001225997	up-regulated gene
HMX2	ENSG00000188816	4.75733333	2.08039E-08	up-regulated gene
LINC01687	ENSG00000233215	4.752208429	2.18661E-05	up-regulated gene
PICSAAR	ENSG00000275874	4.746878404	2.09959E-10	up-regulated gene
LASTR	ENSG00000242147	4.722913479	4.13176E-18	up-regulated gene
DDX53	ENSG00000184735	4.721899289	7.80978E-05	up-regulated gene
MYO16-AS1	ENSG00000236242	4.713551473	1.8351E-06	up-regulated gene
LINC00221	ENSG00000270816	4.710207659	0.001104588	up-regulated gene
RNU6-140P	ENSG00000207296	4.70844231	3.42499E-05	up-regulated gene
IFNK	ENSG00000147896	4.701518159	0.000238224	up-regulated gene
IGFL2-AS1	ENSG00000268621	4.695113874	3.06535E-14	up-regulated gene
AP000851.1	ENSG00000256916	4.693198708	1.56542E-05	up-regulated gene
LINC02588	ENSG00000257842	4.690022745	1.27247E-05	up-regulated gene
LINC01414	ENSG00000253554	4.678536356	8.09301E-08	up-regulated gene
IL37	ENSG00000125571	4.673986037	4.09723E-13	up-regulated gene
MS4A15	ENSG00000166961	4.661128475	9.72281E-10	up-regulated gene
KRT38	ENSG00000171360	4.657367004	7.6172E-05	up-regulated gene

MSLN	ENSG00000102854	4.656130458	1.85263E-12	up-regulated gene
TPTE	ENSG00000274391	4.648641576	0.000317681	up-regulated gene
MTNR1B	ENSG00000134640	4.640281454	4.67956E-07	up-regulated gene
AC011352.3	ENSG00000251320	4.624141002	6.82176E-09	up-regulated gene
LINC01992	ENSG00000260019	4.623719337	1.69156E-05	up-regulated gene
LINC01518	ENSG00000233515	4.618947992	4.53013E-10	up-regulated gene
LINC01768	ENSG00000228420	4.615174736	2.09814E-05	up-regulated gene
CALB1	ENSG00000104327	4.6116945	6.17592E-11	up-regulated gene
BARX1-DT	ENSG00000235601	4.603944773	7.29131E-08	up-regulated gene
ARX	ENSG00000004848	4.598690543	8.75123E-09	up-regulated gene
EEF1DP5	ENSG00000213130	4.596859174	3.62687E-06	up-regulated gene
SCAT1	ENSG00000267123	4.561982906	5.54928E-15	up-regulated gene
GAL	ENSG00000069482	4.560649891	8.30752E-12	up-regulated gene
LINC02152	ENSG00000261319	4.555411517	0.00035967	up-regulated gene
AC122685.1	ENSG00000258763	4.549062446	8.9538E-05	up-regulated gene
ZNF716	ENSG00000182111	4.54814619	6.5102E-05	up-regulated gene
MAGEA3	ENSG00000221867	4.540008888	8.30196E-08	up-regulated gene
LHX5	ENSG00000089116	4.530988155	4.71E-16	up-regulated gene
CGB3	ENSG00000104827	4.52970012	1.01662E-07	up-regulated gene
MYT1	ENSG00000196132	4.523441366	4.12787E-11	up-regulated gene
AL365226.1	ENSG00000237643	4.520905909	5.45177E-08	up-regulated gene
SELENOLP	ENSG00000227932	4.517040783	0.000304678	up-regulated gene
SLCO1B3	ENSG00000111700	4.514057254	1.59664E-05	up-regulated gene
PPP1R14D	ENSG00000166143	4.513791377	4.01384E-14	up-regulated gene
PRDM13	ENSG00000112238	4.511912113	6.45633E-07	up-regulated gene
SPRR2A	ENSG00000241794	4.497608043	1.05482E-08	up-regulated gene
LINC02484	ENSG00000248685	4.494972005	0.000984044	up-regulated gene
LINC01456	ENSG00000225882	4.494580842	4.26593E-06	up-regulated gene
ESM1	ENSG00000164283	4.492055632	1.10825E-32	up-regulated gene
LINC02830	ENSG00000224899	4.491598415	3.07663E-09	up-regulated gene
AL133467.4	ENSG00000270038	4.484596235	3.8696E-05	up-regulated gene
ZIC1	ENSG00000152977	4.453787272	7.6154E-06	up-regulated gene
LINC02434	ENSG00000248370	4.44792367	0.007144629	up-regulated gene
VAX1	ENSG00000148704	4.436387163	7.17571E-06	up-regulated gene
IGFL1	ENSG00000188293	4.434882374	3.23838E-10	up-regulated gene
LINC01602	ENSG00000205293	4.427651361	2.21193E-05	up-regulated gene
AC061975.6	ENSG00000266830	4.426749525	1.66878E-06	up-regulated gene
AC016687.3	ENSG00000250954	4.425844823	3.90604E-05	up-regulated gene
PNLIPRP3	ENSG00000203837	4.411489776	0.000128101	up-regulated gene
ST8SIA6-AS1	ENSG00000204832	4.40955491	2.53387E-06	up-regulated gene
LINC02525	ENSG00000230269	4.393259941	0.000343097	up-regulated gene
KRTAP2-3	ENSG00000212724	4.387105708	2.13403E-06	up-regulated gene
GNAT3	ENSG00000214415	4.383514482	0.000784109	up-regulated gene
DGKK	ENSG00000274588	4.376415964	5.75426E-06	up-regulated gene
NXPH4	ENSG00000182379	4.375136437	4.48981E-21	up-regulated gene
IGF2BP3	ENSG00000136231	4.369106454	3.25893E-14	up-regulated gene
H3C8	ENSG00000273983	4.350493419	2.3702E-19	up-regulated gene
AC000032.1	ENSG00000260246	4.347938429	0.00012396	up-regulated gene
AC010789.1	ENSG00000224817	4.343326936	3.19303E-12	up-regulated gene

CA9	ENSG00000107159	4.34303401	7.92679E-16	up-regulated gene
LINC01446	ENSG00000205628	4.322851888	1.06209E-05	up-regulated gene
AL445647.1	ENSG00000272046	4.31443113	0.000168181	up-regulated gene
PRDM9	ENSG00000164256	4.310110164	1.21557E-06	up-regulated gene
AC113346.1	ENSG00000251144	4.308286431	9.78916E-09	up-regulated gene
TNNT1	ENSG00000105048	4.30682869	2.58802E-16	up-regulated gene
AL138962.1	ENSG00000228573	4.29526449	1.41455E-09	up-regulated gene
AC044893.1	ENSG00000253474	4.2864723	0.000669023	up-regulated gene
FOXC1	ENSG00000176165	4.284432643	7.83545E-05	up-regulated gene
AC010275.1	ENSG00000248268	4.276891774	1.19731E-06	up-regulated gene
H2AC9P	ENSG00000218281	4.264249248	2.19256E-10	up-regulated gene
LINC00898	ENSG00000205634	4.261845742	1.14701E-06	up-regulated gene
AC109454.3	ENSG00000250564	4.256907955	2.95839E-05	up-regulated gene
WFDC12	ENSG00000168703	4.248498611	2.19317E-05	up-regulated gene
LINC02109	ENSG00000259786	4.24783864	9.93135E-08	up-regulated gene
MAGEB2	ENSG00000099399	4.242318001	6.34636E-06	up-regulated gene
ECCL1P1	ENSG00000204121	4.236514539	9.89806E-07	up-regulated gene
LINC01524	ENSG00000234948	4.230461999	6.17166E-07	up-regulated gene
H2BC14	ENSG00000273703	4.22693408	2.08325E-09	up-regulated gene
AC093001.1	ENSG00000244468	4.224866866	1.85891E-07	up-regulated gene
GGT2	ENSG00000133475	4.223612806	1.34399E-08	up-regulated gene
ZEB2P1	ENSG00000249506	4.22287255	2.13788E-06	up-regulated gene
PLPP4	ENSG00000203805	4.220439901	2.39145E-15	up-regulated gene
AC093791.1	ENSG00000250038	4.213613822	0.002127208	up-regulated gene
NKX2-2	ENSG00000125820	4.210506495	0.000285914	up-regulated gene
FGF19	ENSG00000162344	4.208489572	7.22049E-05	up-regulated gene
OR2B6	ENSG00000124657	4.205703639	2.40271E-14	up-regulated gene
CDH16	ENSG00000166589	4.204846686	8.47076E-07	up-regulated gene
LINC00518	ENSG00000183674	4.200917953	5.58014E-07	up-regulated gene
XAGE2	ENSG00000155622	4.199552073	0.001021913	up-regulated gene
ANKRD20A19P	ENSG00000196593	4.199017973	2.42735E-07	up-regulated gene
ASNSP1	ENSG00000248498	4.19861144	4.77048E-05	up-regulated gene
IRX4-AS1	ENSG00000249116	4.197837861	0.000111005	up-regulated gene
GSTA2	ENSG00000244067	4.197806523	3.32352E-06	up-regulated gene
FOXA2	ENSG00000125798	4.196243341	6.82856E-06	up-regulated gene
SPP1	ENSG00000118785	4.191777473	3.24314E-18	up-regulated gene
SERPINB7	ENSG00000166396	4.191064323	9.37037E-09	up-regulated gene
AFAP1-AS1	ENSG00000272620	4.189241833	1.96809E-10	up-regulated gene
ZNF350-AS1	ENSG00000269235	4.188764074	2.46135E-10	up-regulated gene
ESX1	ENSG00000123576	4.183215311	3.6218E-05	up-regulated gene
EN2	ENSG00000164778	4.174174464	1.23624E-11	up-regulated gene
CSAG2	ENSG00000268902	4.169839474	3.32021E-08	up-regulated gene
CLPSL2	ENSG00000196748	4.16089407	2.79201E-08	up-regulated gene
FAHD2P1	ENSG00000257302	4.15960537	1.26575E-09	up-regulated gene
H2BC17	ENSG00000274641	4.144934492	4.11532E-15	up-regulated gene
NDUFA5P10	ENSG00000224927	4.144728789	0.000653836	up-regulated gene
AC083967.1	ENSG00000254337	4.136011109	4.5546E-05	up-regulated gene
NGB	ENSG00000165553	4.135366669	1.7861E-07	up-regulated gene
TMEM52B	ENSG00000165685	4.12896012	5.47524E-15	up-regulated gene

AL031777.1	ENSG00000217275	4.121629559	6.40645E-19	up-regulated gene
C1orf105	ENSG00000180999	4.119405872	3.45279E-07	up-regulated gene
AC112178.1	ENSG00000249803	4.117901367	0.000148403	up-regulated gene
GGT3P	ENSG00000197421	4.115903137	3.75794E-07	up-regulated gene
AL121949.1	ENSG00000218048	4.115841862	0.000164813	up-regulated gene
LINC02046	ENSG00000242440	4.114677321	0.003335717	up-regulated gene
TRIML2	ENSG00000179046	4.111675143	1.7858E-05	up-regulated gene
MIR483	ENSG00000207805	4.109941274	0.001249813	up-regulated gene
S100A8	ENSG00000143546	4.109105142	2.23235E-10	up-regulated gene
NXPH1	ENSG00000122584	4.100685452	7.42667E-07	up-regulated gene
UNC13C	ENSG00000137766	4.098596593	2.11398E-06	up-regulated gene
LINC01234	ENSG00000249550	4.09271173	1.39407E-09	up-regulated gene
LINC01036	ENSG00000230426	4.088986859	0.001567453	up-regulated gene
AC073365.1	ENSG00000223812	4.079303841	9.93678E-07	up-regulated gene
LCE1F	ENSG00000240386	4.078324791	0.00021049	up-regulated gene
SERPINA4	ENSG00000100665	4.068380412	0.000108614	up-regulated gene
CYP1A2	ENSG00000140505	4.066156916	5.08387E-05	up-regulated gene
LINC00355	ENSG00000227674	4.062806473	7.19775E-09	up-regulated gene
PHGR1	ENSG00000233041	4.062538903	1.62807E-05	up-regulated gene
AC112721.1	ENSG00000222022	4.056985853	5.47086E-09	up-regulated gene
BMS1P8	ENSG00000260518	4.055122966	6.45282E-06	up-regulated gene
OR52E8	ENSG00000183269	4.052951962	0.005581763	up-regulated gene
AL133467.2	ENSG00000258927	4.049029224	6.93103E-05	up-regulated gene
AC091133.5	ENSG00000251550	4.025299063	2.82032E-06	up-regulated gene
DSG1	ENSG00000134760	4.023905984	3.69692E-09	up-regulated gene
LINC01910	ENSG00000266278	4.023005932	4.05539E-07	up-regulated gene
AC105460.2	ENSG00000251577	4.02200571	1.75953E-06	up-regulated gene
CDKN2A	ENSG00000147889	4.020486886	3.45794E-13	up-regulated gene
CLDN9	ENSG00000213937	4.011687567	3.75627E-12	up-regulated gene
SPRR4	ENSG00000184148	4.009514457	9.86373E-06	up-regulated gene
AL139095.3	ENSG00000230570	4.007770513	1.09117E-05	up-regulated gene
AC099329.2	ENSG00000273328	4.005595155	3.53839E-12	up-regulated gene
AL391704.1	ENSG00000224750	4.00372542	0.000424037	up-regulated gene
LINC02263	ENSG00000228358	3.999660148	0.000217876	up-regulated gene
KCNV1	ENSG00000164794	3.990412076	0.00179448	up-regulated gene
ZNF114	ENSG00000178150	3.986584251	2.7979E-15	up-regulated gene
H2AC7	ENSG00000196866	3.985454254	1.45615E-20	up-regulated gene
AC011352.1	ENSG00000248362	3.984737617	1.14568E-06	up-regulated gene
ITLN1	ENSG00000179914	3.983604574	5.43232E-07	up-regulated gene
AL391883.1	ENSG00000235434	3.981638299	0.000228861	up-regulated gene
AC007785.1	ENSG00000267922	3.981002764	2.28015E-09	up-regulated gene
AF127577.3	ENSG00000235277	3.976460233	8.15211E-08	up-regulated gene
RPSAP52	ENSG00000241749	3.975799026	4.22974E-10	up-regulated gene
CTSL3P	ENSG00000188029	3.971873903	5.57929E-05	up-regulated gene
CXCL11	ENSG00000169248	3.965162874	6.39203E-12	up-regulated gene
IBSP	ENSG00000029559	3.961359975	2.20964E-15	up-regulated gene
KNG1	ENSG00000113889	3.958492391	0.000101898	up-regulated gene
AL139042.1	ENSG00000234426	3.947607966	0.012159024	up-regulated gene
CST6	ENSG00000175315	3.947317928	2.541E-15	up-regulated gene

AP005432.2	ENSG00000273335	3.947304854	2.50526E-10	up-regulated gene
AC099520.1	ENSG00000251574	3.945632189	1.20881E-05	up-regulated gene
MMP13	ENSG00000137745	3.936144936	4.14033E-11	up-regulated gene
AC008083.2	ENSG00000257925	3.932432703	1.32612E-11	up-regulated gene
MAGEB16	ENSG00000189023	3.932334479	0.002981395	up-regulated gene
LINC01929	ENSG00000267013	3.930921981	6.59757E-11	up-regulated gene
PLEKHG4B	ENSG00000153404	3.918025259	1.13724E-11	up-regulated gene
MAGEB1	ENSG00000214107	3.913721048	0.045943713	up-regulated gene
TMPRSS15	ENSG00000154646	3.913421733	3.22224E-05	up-regulated gene
AC008132.1	ENSG00000161103	3.905000042	3.2719E-05	up-regulated gene
FABP7	ENSG00000164434	3.903812863	0.000335109	up-regulated gene
SLC5A1	ENSG00000100170	3.903163396	1.72549E-07	up-regulated gene
ZFP42	ENSG00000179059	3.902559479	7.74909E-05	up-regulated gene
LINC01854	ENSG00000204460	3.902315589	0.001396029	up-regulated gene
TMPRSS11F	ENSG00000198092	3.900700474	0.000101837	up-regulated gene
LINC01793	ENSG00000222030	3.899779777	0.005121058	up-regulated gene
AC092484.1	ENSG00000225107	3.897565303	0.000397826	up-regulated gene
SOX14	ENSG00000168875	3.897097778	0.035522569	up-regulated gene
B4GALNT2	ENSG00000167080	3.894183947	1.2969E-06	up-regulated gene
H2AC12	ENSG00000274997	3.890387732	1.37791E-09	up-regulated gene
LIN28A	ENSG00000131914	3.889586667	2.2081E-05	up-regulated gene
SLURP1	ENSG00000126233	3.888386542	6.86421E-10	up-regulated gene
C6orf223	ENSG00000181577	3.887135584	2.62146E-12	up-regulated gene
PAGE1	ENSG00000068985	3.878662629	0.002758496	up-regulated gene
TAC3	ENSG00000166863	3.865893503	1.37371E-06	up-regulated gene
IGFL1P1	ENSG00000268879	3.864519574	1.1029E-09	up-regulated gene
LINC02257	ENSG00000238042	3.861339942	4.11968E-09	up-regulated gene
GFY	ENSG00000261949	3.859328261	4.00326E-07	up-regulated gene
CRH	ENSG00000147571	3.856920617	0.000107326	up-regulated gene
APCS	ENSG00000132703	3.853044189	0.022514191	up-regulated gene
DUX4L9	ENSG00000224807	3.844559999	1.36988E-05	up-regulated gene
ATP12A	ENSG00000075673	3.840446801	6.71091E-08	up-regulated gene
PRR20G	ENSG00000239620	3.836077542	0.000743726	up-regulated gene
CNGB1	ENSG00000070729	3.835622656	1.51485E-15	up-regulated gene
COL2A1	ENSG00000139219	3.829415265	1.29634E-10	up-regulated gene
MSLNL	ENSG00000162006	3.824162617	2.44695E-05	up-regulated gene
KASH5	ENSG00000161609	3.82132458	1.26521E-06	up-regulated gene
ESPNP	ENSG00000268869	3.821264996	1.26515E-07	up-regulated gene
TAS2R38	ENSG00000257138	3.818786135	4.19387E-08	up-regulated gene
LINC02882	ENSG00000251138	3.816281308	2.45274E-05	up-regulated gene
AC107308.1	ENSG00000277945	3.815011978	7.87202E-05	up-regulated gene
AC090125.1	ENSG00000263655	3.813666744	6.19434E-05	up-regulated gene
AL117329.1	ENSG00000224271	3.811931042	1.27044E-07	up-regulated gene
TUBA3C	ENSG00000198033	3.805520418	0.005425687	up-regulated gene
MRPL40P1	ENSG00000256037	3.800552491	1.23179E-10	up-regulated gene
CYP2C9	ENSG00000138109	3.798812563	4.76037E-07	up-regulated gene
CLPSL1	ENSG00000204140	3.796249225	1.52643E-07	up-regulated gene
AC104794.4	ENSG00000260476	3.795197143	6.25349E-07	up-regulated gene
RNASEH2CP1	ENSG00000237659	3.794291742	0.000156901	up-regulated gene

AC097374.1	ENSG00000259848	3.792774187	0.000491617	up-regulated gene
H1-12P	ENSG00000216331	3.792041645	1.16193E-15	up-regulated gene
RNF186	ENSG00000178828	3.79054172	1.30967E-06	up-regulated gene
AC109439.1	ENSG00000250284	3.789733324	0.000894193	up-regulated gene
LINC02672	ENSG00000227121	3.788010986	6.40347E-05	up-regulated gene
BOK-AS1	ENSG00000234235	3.785325975	4.72297E-05	up-regulated gene
CHRNA1	ENSG00000138435	3.783165176	5.55894E-15	up-regulated gene
KLHDC7B	ENSG00000130487	3.78182071	4.57612E-12	up-regulated gene
OBP2A	ENSG00000122136	3.781253982	1.96802E-07	up-regulated gene
LEMD1	ENSG00000186007	3.773942999	1.70131E-09	up-regulated gene
CXCL5	ENSG00000163735	3.772920252	6.17112E-09	up-regulated gene
IGFL4	ENSG00000204869	3.769630903	1.41342E-09	up-regulated gene
ACTBL2	ENSG00000169067	3.764893798	2.06904E-06	up-regulated gene
LIN28B	ENSG00000187772	3.760773606	9.448E-06	up-regulated gene
PYDC1	ENSG00000169900	3.760292637	1.65848E-05	up-regulated gene
KLK4	ENSG00000167749	3.754984179	1.23449E-07	up-regulated gene
AC010329.2	ENSG00000269779	3.754918912	9.7262E-06	up-regulated gene
FIRRE	ENSG00000213468	3.754196914	2.10043E-18	up-regulated gene
H2BC7	ENSG00000277224	3.749101895	1.19251E-13	up-regulated gene
AC090164.2	ENSG00000274139	3.741288182	6.65556E-07	up-regulated gene
CCDC198	ENSG00000100557	3.740211759	0.000114141	up-regulated gene
RFTN1P1	ENSG00000234795	3.735618258	0.001096638	up-regulated gene
ZIC2	ENSG00000043355	3.734486559	1.12272E-11	up-regulated gene
AL929601.1	ENSG00000257891	3.730768333	0.003954593	up-regulated gene
CLDN6	ENSG00000184697	3.726985726	4.23513E-07	up-regulated gene
EVA1A	ENSG00000115363	3.719388565	1.62268E-16	up-regulated gene
AL589743.4	ENSG00000277128	3.716702673	1.47245E-06	up-regulated gene
AL139327.1	ENSG00000121388	3.715485346	0.081987352	up-regulated gene
TMEM82	ENSG00000162460	3.713834527	1.79714E-06	up-regulated gene
MYBPC1	ENSG00000196091	3.712224395	7.95815E-07	up-regulated gene
TRIM71	ENSG00000206557	3.710730792	1.28306E-06	up-regulated gene
PIP	ENSG00000159763	3.709639853	9.35093E-06	up-regulated gene
SULT1E1	ENSG00000109193	3.708382801	1.57217E-07	up-regulated gene
CYP4F8	ENSG00000186526	3.707751293	1.29696E-06	up-regulated gene
AC034223.2	ENSG00000251281	3.706931586	0.002358218	up-regulated gene
LINC01776	ENSG00000226053	3.701606689	0.003137779	up-regulated gene
HABP2	ENSG00000148702	3.69784185	8.96018E-07	up-regulated gene
AL354863.1	ENSG00000238276	3.696939585	0.013273122	up-regulated gene
PRSS41	ENSG00000215148	3.696679971	2.25401E-05	up-regulated gene
RAET1L	ENSG00000155918	3.694664972	4.28417E-10	up-regulated gene
SLCO1B1	ENSG00000134538	3.691414175	6.7927E-06	up-regulated gene
DMRTA2	ENSG00000142700	3.691395072	4.71292E-10	up-regulated gene
SLC15A5	ENSG00000188991	3.690362983	7.49638E-05	up-regulated gene
SP8	ENSG00000164651	3.689926435	0.002306773	up-regulated gene
MIOX	ENSG00000100253	3.68455695	1.11566E-11	up-regulated gene
HMX1	ENSG00000215612	3.684521812	0.004069965	up-regulated gene
HEPHL1	ENSG00000181333	3.68130156	1.59709E-09	up-regulated gene
TCAM1P	ENSG00000240280	3.680257625	1.90538E-08	up-regulated gene
AL596223.1	ENSG00000229261	3.67966254	5.77947E-05	up-regulated gene

IL36G	ENSG00000136688	3.67812738	7.15474E-08	up-regulated gene
AC006262.2	ENSG00000269729	3.675729377	2.15822E-05	up-regulated gene
SERPINA6	ENSG00000170099	3.671243246	3.12835E-05	up-regulated gene
AL139002.1	ENSG00000233379	3.670992912	0.001847386	up-regulated gene
STRA8	ENSG00000146857	3.669519371	0.000243509	up-regulated gene
SLC34A2	ENSG00000157765	3.663486537	2.327E-06	up-regulated gene
ATP4A	ENSG00000105675	3.662914855	1.27245E-06	up-regulated gene
LINC01764	ENSG00000267308	3.653427858	8.34477E-09	up-regulated gene
AC096759.2	ENSG00000250735	3.649028614	4.84055E-07	up-regulated gene
DEFB126	ENSG00000125788	3.647871449	1.72918E-07	up-regulated gene
LINC02806	ENSG00000238107	3.646434513	1.21564E-06	up-regulated gene
AP000997.3	ENSG00000260254	3.645644653	0.002671632	up-regulated gene
AC069499.2	ENSG00000276763	3.637328846	2.94635E-11	up-regulated gene
DSCR10	ENSG00000233316	3.636739853	0.001143335	up-regulated gene
LINC01287	ENSG00000234722	3.635866129	7.68213E-06	up-regulated gene
LINC01967	ENSG00000235493	3.635851442	1.73646E-05	up-regulated gene
AC093515.1	ENSG00000260289	3.632046337	0.000570529	up-regulated gene
FP325330.3	ENSG00000279712	3.630953489	5.44723E-06	up-regulated gene
H2BC16P	ENSG00000217646	3.627203025	1.30337E-07	up-regulated gene
TCN1	ENSG00000134827	3.625454401	1.16482E-07	up-regulated gene
TTR	ENSG00000118271	3.623933345	0.000126112	up-regulated gene
GRP	ENSG00000134443	3.621861621	9.3684E-07	up-regulated gene
GRIN2D	ENSG00000105464	3.618966387	4.43722E-18	up-regulated gene
KPRP	ENSG00000203786	3.617934908	7.11668E-06	up-regulated gene
FOXI3	ENSG00000214336	3.616333993	0.000984745	up-regulated gene
KREMEN2	ENSG00000131650	3.616048475	7.76344E-17	up-regulated gene
RPL21P13	ENSG00000242837	3.615373781	2.82393E-06	up-regulated gene
HRG	ENSG00000113905	3.613635956	6.50813E-05	up-regulated gene
AC026782.2	ENSG00000248870	3.610712626	6.05937E-07	up-regulated gene
LINC01249	ENSG00000231532	3.609765643	0.001164712	up-regulated gene
RNA5SP174	ENSG00000199572	3.608091474	1.22331E-05	up-regulated gene
FAM133A	ENSG00000179083	3.606085598	9.45726E-06	up-regulated gene
H2BC8	ENSG00000273802	3.60351316	8.25086E-16	up-regulated gene
CHIAP2	ENSG00000203878	3.60334226	0.000503008	up-regulated gene
PDX1	ENSG00000139515	3.601435985	2.79953E-07	up-regulated gene
LINC01179	ENSG00000249500	3.600490111	0.005564434	up-regulated gene
PRAP1	ENSG00000165828	3.598681864	8.31763E-09	up-regulated gene
MUC2	ENSG00000198788	3.597510793	7.79176E-07	up-regulated gene
DMRT1	ENSG00000137090	3.593559939	5.4806E-05	up-regulated gene
AC138904.1	ENSG00000246465	3.591371727	1.20793E-11	up-regulated gene
KLK12	ENSG00000186474	3.589486655	0.000137771	up-regulated gene
SMPD4P1	ENSG00000223553	3.588435308	1.69104E-06	up-regulated gene
AC004870.2	ENSG00000223829	3.587958734	0.001775553	up-regulated gene
SPANXD	ENSG00000196406	3.586832427	0.078890449	up-regulated gene
H2BC9	ENSG00000275713	3.58534152	9.62193E-16	up-regulated gene
LGSN	ENSG00000146166	3.582971506	4.90807E-05	up-regulated gene
BPIFB2	ENSG00000078898	3.581255661	0.001594456	up-regulated gene
AC008739.2	ENSG00000269373	3.579085662	1.15959E-08	up-regulated gene
CALML5	ENSG00000178372	3.576687141	6.56946E-06	up-regulated gene

SLC9A3P2	ENSG00000238125	3.572058298	2.80116E-05	up-regulated gene
AC120036.1	ENSG00000248347	3.57132876	1.46157E-08	up-regulated gene
H2BC18	ENSG00000203814	3.567276471	6.86847E-19	up-regulated gene
PSPHP1	ENSG00000226278	3.565636764	0.000460927	up-regulated gene
RTBDN	ENSG00000132026	3.563049066	4.47992E-10	up-regulated gene
AL033527.2	ENSG00000261798	3.561092077	6.91079E-16	up-regulated gene
H2AC8	ENSG00000277075	3.560900922	7.28301E-18	up-regulated gene
AMTN	ENSG00000187689	3.557498879	2.10985E-05	up-regulated gene
CDSN	ENSG00000204539	3.556291216	0.000146773	up-regulated gene
LIPK	ENSG00000204021	3.553313405	3.97288E-07	up-regulated gene
AC097512.1	ENSG00000248837	3.553175687	0.009098558	up-regulated gene
TGM1	ENSG00000092295	3.545600273	2.54255E-12	up-regulated gene
MMP20	ENSG00000137674	3.544450298	0.001247352	up-regulated gene
SCG5-AS1	ENSG00000241818	3.543588524	5.13503E-09	up-regulated gene
HOXC9	ENSG00000180806	3.542483541	2.10318E-12	up-regulated gene
SPANXC	ENSG00000198573	3.541471649	0.028299687	up-regulated gene
OTX2	ENSG00000165588	3.540855892	0.009907171	up-regulated gene
OR8A1	ENSG00000196119	3.536440751	0.00227564	up-regulated gene
GABRG2	ENSG00000113327	3.531365473	0.001403612	up-regulated gene
TFF2	ENSG00000160181	3.527736746	1.61311E-06	up-regulated gene
AL513123.1	ENSG00000236347	3.527238302	1.85256E-09	up-regulated gene
AC010595.1	ENSG00000250874	3.526004069	7.67775E-08	up-regulated gene
POU3F3	ENSG00000198914	3.522859393	0.000557852	up-regulated gene
LGALS17A	ENSG00000226025	3.521215865	4.90217E-07	up-regulated gene
GTSF1	ENSG00000170627	3.517021302	1.33641E-07	up-regulated gene
LINC01648	ENSG00000233399	3.514037832	0.000985068	up-regulated gene
SLC25A24P2	ENSG00000238118	3.512705639	8.97555E-05	up-regulated gene
USP24P1	ENSG00000229375	3.51116735	0.022100218	up-regulated gene
AC090796.1	ENSG00000253821	3.508219477	0.00015746	up-regulated gene
ZG16	ENSG00000174992	3.507011559	2.43075E-05	up-regulated gene
LINC01357	ENSG00000224167	3.506492105	9.78887E-08	up-regulated gene
INSL4	ENSG00000120211	3.504444142	0.001064655	up-regulated gene
AP000553.2	ENSG00000272954	3.50173003	6.80851E-14	up-regulated gene
CXCL10	ENSG00000169245	3.500985376	8.8579E-11	up-regulated gene
CATSPER1	ENSG00000175294	3.500192022	6.18953E-14	up-regulated gene
ZNF729	ENSG00000196350	3.490500037	0.004679408	up-regulated gene
HNF1A-AS1	ENSG00000241388	3.490464832	1.2176E-05	up-regulated gene
DUSP5P1	ENSG00000183929	3.490052951	4.55658E-10	up-regulated gene
LINC01203	ENSG00000226985	3.489847828	0.000723835	up-regulated gene
Z94160.1	ENSG00000237862	3.487723254	0.000153843	up-regulated gene
RPLP0P2	ENSG00000243742	3.487702219	1.29793E-18	up-regulated gene
AC068647.2	ENSG00000250271	3.480578104	5.02145E-05	up-regulated gene
DCAF8L2	ENSG00000189186	3.479861004	0.011014061	up-regulated gene
H2BC6	ENSG00000274290	3.479393856	8.06487E-13	up-regulated gene
AC007953.1	ENSG00000225790	3.475575531	0.000169375	up-regulated gene
ZNF861P	ENSG00000267235	3.474903697	0.000167744	up-regulated gene
AC012531.1	ENSG00000260597	3.474835936	2.05639E-06	up-regulated gene
AP000526.1	ENSG00000271127	3.47323274	4.18059E-08	up-regulated gene
AC006262.1	ENSG00000268460	3.46933176	2.52975E-09	up-regulated gene

CFAP47	ENSG00000165164	3.463723086	9.82138E-09	up-regulated gene
CSAG4	ENSG00000242599	3.462764137	0.001380329	up-regulated gene
LINC00601	ENSG00000235180	3.458134798	3.93291E-05	up-regulated gene
TRIM15	ENSG00000204610	3.454510085	5.02647E-06	up-regulated gene
H4C2	ENSG00000278705	3.453529407	1.67292E-07	up-regulated gene
AP001065.4	ENSG00000277352	3.452952855	0.003486016	up-regulated gene
RAET1K	ENSG00000218358	3.451829079	5.26463E-17	up-regulated gene
H2AC13	ENSG00000196747	3.450944858	1.55011E-13	up-regulated gene
ABCG8	ENSG00000143921	3.450892737	7.46393E-06	up-regulated gene
TEX19	ENSG00000182459	3.44555211	2.82934E-07	up-regulated gene
BECN2	ENSG00000196289	3.440796424	1.02481E-06	up-regulated gene
SPRR2F	ENSG00000244094	3.440713738	0.00010959	up-regulated gene
LINC02771	ENSG00000224535	3.4370163	3.41787E-06	up-regulated gene
G2E3-AS1	ENSG00000257636	3.426234336	1.46975E-07	up-regulated gene
AL451164.1	ENSG00000236968	3.425690668	4.30274E-06	up-regulated gene
H3C4	ENSG00000197409	3.425497519	1.04823E-18	up-regulated gene
LINC01561	ENSG00000177234	3.424060701	7.37614E-07	up-regulated gene
SOX11	ENSG00000176887	3.423552669	6.18908E-14	up-regulated gene
TCF24	ENSG00000261787	3.422039072	1.58057E-17	up-regulated gene
AC061975.1	ENSG00000260777	3.418888042	1.1241E-07	up-regulated gene
AC084783.1	ENSG00000261072	3.417865	1.83867E-05	up-regulated gene
PI3	ENSG00000124102	3.412119142	4.83067E-06	up-regulated gene
AP003171.1	ENSG00000254874	3.406397623	0.000526309	up-regulated gene
LINC01019	ENSG00000248118	3.403851763	0.090945615	up-regulated gene
Y_RNA	ENSG00000222881	3.402961381	2.51793E-09	up-regulated gene
LHX2	ENSG00000106689	3.401625083	4.07105E-08	up-regulated gene
AC005863.1	ENSG00000205325	3.4001893	0.003034399	up-regulated gene
PCSK1N	ENSG00000102109	3.399844436	1.54776E-09	up-regulated gene
AC025580.1	ENSG00000259342	3.395843746	2.93802E-07	up-regulated gene
AL445072.1	ENSG00000237208	3.394623365	2.5697E-05	up-regulated gene
CST5	ENSG00000170367	3.391960592	0.000199968	up-regulated gene
AP000997.2	ENSG00000255599	3.390878404	0.005855295	up-regulated gene
LINC01208	ENSG00000223715	3.389588137	4.05106E-06	up-regulated gene
LINC00200	ENSG00000229205	3.389474387	0.040655287	up-regulated gene
AL079305.1	ENSG00000279032	3.388216246	1.18628E-07	up-regulated gene
ORM1	ENSG00000229314	3.387881844	0.000148156	up-regulated gene
LINC02492	ENSG00000250590	3.376766938	0.000334193	up-regulated gene
BEST3	ENSG00000127325	3.376506636	1.51058E-05	up-regulated gene
PM20D1	ENSG00000162877	3.369988078	5.98974E-06	up-regulated gene
KRT77	ENSG00000189182	3.369609529	5.87006E-06	up-regulated gene
BAAT	ENSG00000136881	3.369523558	4.82861E-06	up-regulated gene
BLACAT1	ENSG00000281406	3.364319966	1.3814E-10	up-regulated gene
HOXC-AS3	ENSG00000251151	3.363066511	9.5938E-06	up-regulated gene
PSG9	ENSG00000183668	3.363022839	0.000206097	up-regulated gene
GAGE1	ENSG00000205777	3.358970549	0.042470498	up-regulated gene
SEPTIN14P12	ENSG00000235748	3.3580234	7.92023E-09	up-regulated gene
SOHLH1	ENSG00000165643	3.356084285	4.39837E-05	up-regulated gene
TERT	ENSG00000164362	3.351166858	1.52724E-13	up-regulated gene
EMX1	ENSG00000135638	3.350247325	1.15202E-08	up-regulated gene

FOLR1	ENSG00000110195	3.349974054	1.4697E-07	up-regulated gene
AL139280.1	ENSG00000227338	3.34846006	0.000249012	up-regulated gene
AC011487.2	ENSG00000268864	3.343874046	2.58582E-05	up-regulated gene
AL122126.2	ENSG00000258065	3.343330884	0.010221768	up-regulated gene
MAGEA8	ENSG00000156009	3.34316783	3.26965E-06	up-regulated gene
AC005256.1	ENSG00000267073	3.343077451	5.16057E-06	up-regulated gene
LINC00392	ENSG00000228295	3.341087355	0.002203139	up-regulated gene
CDX2	ENSG00000165556	3.340951232	3.96185E-06	up-regulated gene
AC025575.2	ENSG00000258053	3.340479152	1.13852E-06	up-regulated gene
AC084759.3	ENSG00000280362	3.340137585	0.00036526	up-regulated gene
KCNK9	ENSG00000169427	3.338379071	2.30458E-09	up-regulated gene
CSAG3	ENSG00000268916	3.337354441	1.62838E-06	up-regulated gene
AC108752.1	ENSG00000240241	3.334883386	0.001758024	up-regulated gene
ANKRD34B	ENSG00000189127	3.333211785	5.4564E-07	up-regulated gene
H1-5	ENSG00000184357	3.33318345	1.99057E-10	up-regulated gene
SCGB2A2	ENSG00000110484	3.332141649	0.00921249	up-regulated gene
AC013470.2	ENSG00000226690	3.326351082	1.54671E-08	up-regulated gene
KRTAP19-1	ENSG00000184351	3.326288936	0.044523733	up-regulated gene
MNX1	ENSG00000130675	3.325245346	1.10765E-14	up-regulated gene
SLC2A2	ENSG00000163581	3.3210627	0.000728076	up-regulated gene
SERPINA12	ENSG00000165953	3.320679324	0.004614712	up-regulated gene
AL136981.1	ENSG00000226668	3.318995287	8.48902E-05	up-regulated gene
LRRRC15	ENSG00000172061	3.317489448	7.45578E-09	up-regulated gene
H4C5	ENSG00000276966	3.312135541	2.08266E-13	up-regulated gene
PLUT	ENSG00000247381	3.311205628	0.000365248	up-regulated gene
AC006357.1	ENSG00000230033	3.299078735	4.57133E-05	up-regulated gene
AC010636.1	ENSG00000268560	3.297484293	8.57329E-05	up-regulated gene
IGF2	ENSG00000167244	3.296980963	8.6469E-07	up-regulated gene
RNU6-403P	ENSG00000200033	3.294537894	8.2175E-06	up-regulated gene
SERPINA10	ENSG00000140093	3.294002052	6.32709E-05	up-regulated gene
LINC00626	ENSG00000225826	3.293960315	0.000426602	up-regulated gene
OR8G3P	ENSG00000255425	3.292977436	0.006809739	up-regulated gene
LCN15	ENSG00000177984	3.291542497	0.000500743	up-regulated gene
OR7A5	ENSG00000188269	3.291120987	8.62061E-06	up-regulated gene
BCRP9	ENSG00000271287	3.289147519	0.005375643	up-regulated gene
SFTA3	ENSG00000229415	3.281236005	0.003362801	up-regulated gene
PSG3	ENSG00000221826	3.280587568	0.001634361	up-regulated gene
IL31RA	ENSG00000164509	3.280501324	3.52956E-07	up-regulated gene
AC112493.1	ENSG00000242021	3.280355433	0.000138095	up-regulated gene
FER1L6-AS2	ENSG00000253868	3.277628863	0.00960253	up-regulated gene
HOXC5	ENSG00000172789	3.276792379	1.13765E-06	up-regulated gene
AC093520.1	ENSG00000260757	3.276216631	1.27395E-08	up-regulated gene
CHIT1	ENSG00000133063	3.276111384	3.52014E-09	up-regulated gene
AQP12B	ENSG00000185176	3.272230922	0.001355642	up-regulated gene
MAGEA9B	ENSG00000267978	3.270372818	0.000196456	up-regulated gene
BEST2	ENSG00000039987	3.269880709	3.77693E-06	up-regulated gene
IGKV2-29	ENSG00000253998	3.268940635	0.000171714	up-regulated gene
AC245100.3	ENSG00000228626	3.265988991	0.000238028	up-regulated gene
LGALS7	ENSG00000205076	3.265751301	0.000528453	up-regulated gene

AC112721.2	ENSG00000222032	3.263504719	4.45354E-07	up-regulated gene
AC011453.1	ENSG00000269842	3.26350042	1.56169E-07	up-regulated gene
KRT16P4	ENSG00000229526	3.256268322	0.000258651	up-regulated gene
AL021920.2	ENSG00000280114	3.255615937	0.000192897	up-regulated gene
SYT13	ENSG00000019505	3.251771685	5.96831E-05	up-regulated gene
GAST	ENSG00000184502	3.250779596	0.000122568	up-regulated gene
PAGE2B	ENSG00000238269	3.249307791	0.000192036	up-regulated gene
RMRP	ENSG00000269900	3.247484803	0.00522993	up-regulated gene
VIL1	ENSG00000127831	3.246753913	2.94016E-06	up-regulated gene
MYOSLID	ENSG00000229647	3.246264725	6.58362E-09	up-regulated gene
AC023824.1	ENSG00000260073	3.24620125	0.093359398	up-regulated gene
AC025244.1	ENSG00000251185	3.24347861	2.8587E-05	up-regulated gene
AL589182.1	ENSG00000258314	3.241514141	6.03766E-06	up-regulated gene
NARF-AS1	ENSG00000266445	3.240919361	1.21605E-08	up-regulated gene
CYP26A1	ENSG00000095596	3.236167816	8.77714E-08	up-regulated gene
LINC00534	ENSG00000253394	3.234648912	1.18363E-05	up-regulated gene
LINC01694	ENSG00000233922	3.231186385	4.63586E-11	up-regulated gene
AL109615.3	ENSG00000237686	3.229322475	5.79582E-13	up-regulated gene
LINC00858	ENSG00000229404	3.223427058	6.56318E-07	up-regulated gene
FOXL2	ENSG00000183770	3.222634709	1.1939E-08	up-regulated gene
LINC01705	ENSG00000232679	3.219458673	1.22787E-06	up-regulated gene
LINC01820	ENSG00000228100	3.219165821	5.50323E-05	up-regulated gene
HOXB9	ENSG00000170689	3.218165696	1.06655E-10	up-regulated gene
HOXB-AS3	ENSG00000233101	3.217893169	1.14052E-10	up-regulated gene
OR56A3	ENSG00000184478	3.216529031	0.049919887	up-regulated gene
GLDC	ENSG00000178445	3.216523512	1.04067E-08	up-regulated gene
AL355922.4	ENSG00000258918	3.215486524	0.000463995	up-regulated gene
H3C11	ENSG00000275379	3.215073497	1.26289E-06	up-regulated gene
LINC01297	ENSG00000274827	3.21023965	8.8501E-05	up-regulated gene
ZNF722P	ENSG00000241149	3.208624265	0.048156011	up-regulated gene
AC008825.2	ENSG00000270495	3.207459591	0.036805038	up-regulated gene
IGDCC3	ENSG00000174498	3.207129838	1.28832E-06	up-regulated gene
LINC02167	ENSG00000261122	3.204787441	0.011616542	up-regulated gene
KRT33B	ENSG00000131738	3.20467865	5.85758E-07	up-regulated gene
DUXAP9	ENSG00000225210	3.20335427	5.64005E-14	up-regulated gene
LINC01666	ENSG00000279579	3.199952908	0.000118772	up-regulated gene
LINC01448	ENSG00000238284	3.199694955	0.002671037	up-regulated gene
OR2W6P	ENSG00000168126	3.199071369	5.84267E-06	up-regulated gene
AL359851.1	ENSG00000260585	3.198940879	6.10141E-05	up-regulated gene
KRT37	ENSG00000108417	3.196264892	2.41617E-05	up-regulated gene
H2BC10	ENSG00000278588	3.194274708	1.10507E-07	up-regulated gene
LINC02212	ENSG00000249396	3.194045239	0.004800337	up-regulated gene
AC016550.2	ENSG00000248363	3.19208368	0.0011111077	up-regulated gene
LINC02015	ENSG00000231574	3.190169638	1.0078E-07	up-regulated gene
ROPN1	ENSG00000065371	3.188105878	0.00206779	up-regulated gene
LINC02432	ENSG00000248810	3.188082772	4.23407E-06	up-regulated gene
DBET	ENSG00000281591	3.186243427	7.77668E-05	up-regulated gene
DMRT2	ENSG00000173253	3.184683299	7.21709E-07	up-regulated gene
AC126323.1	ENSG00000166104	3.18361106	0.000100823	up-regulated gene

C1orf68	ENSG00000198854	3.18190898	0.004664287	up-regulated gene
MYH16	ENSG00000002079	3.181551736	5.69303E-12	up-regulated gene
RNVU1-31	ENSG00000270722	3.181452787	0.000114461	up-regulated gene
LINC01901	ENSG00000267413	3.178857694	0.000232044	up-regulated gene
NFYAP1	ENSG00000237849	3.176369261	7.44294E-05	up-regulated gene
AL161908.1	ENSG00000224842	3.174534183	0.000621963	up-regulated gene
RNASEH1P1	ENSG00000265790	3.167123592	0.002424817	up-regulated gene
GPR149	ENSG00000174948	3.167052131	0.003415597	up-regulated gene
AC016710.1	ENSG00000229131	3.164724268	0.094380881	up-regulated gene
VCX	ENSG00000182583	3.163640956	4.79188E-06	up-regulated gene
SLC6A19	ENSG00000174358	3.163123224	0.00679475	up-regulated gene
AC068756.1	ENSG00000242828	3.161246121	0.014088144	up-regulated gene
H1-3	ENSG00000124575	3.160090652	4.80601E-13	up-regulated gene
AL449423.1	ENSG00000266446	3.157142036	5.89046E-06	up-regulated gene
PRORY	ENSG00000183146	3.156411667	0.07614712	up-regulated gene
AL355376.2	ENSG00000271220	3.153023449	0.013041997	up-regulated gene
AC087612.1	ENSG00000259672	3.152766203	0.022913769	up-regulated gene
IL1F10	ENSG00000136697	3.148581205	0.000966832	up-regulated gene
AL161729.2	ENSG00000271314	3.148560602	3.06967E-12	up-regulated gene
AC091133.3	ENSG00000250838	3.148421042	0.043498689	up-regulated gene
AL021940.1	ENSG00000230704	3.14247621	0.043603532	up-regulated gene
SALL4	ENSG00000101115	3.141018909	7.44687E-18	up-regulated gene
AC104131.1	ENSG00000213115	3.140839362	0.060802322	up-regulated gene
SLC30A10	ENSG00000196660	3.140363921	4.19189E-06	up-regulated gene
H2BC11	ENSG00000124635	3.136098024	1.54472E-16	up-regulated gene
IFNL3	ENSG00000197110	3.135642397	0.000164894	up-regulated gene
RXFP2	ENSG00000133105	3.135611405	0.045294753	up-regulated gene
AC139783.1	ENSG00000250767	3.1348317	5.49227E-05	up-regulated gene
TRIML1	ENSG00000184108	3.13357159	0.005662797	up-regulated gene
C20orf197	ENSG00000176659	3.133440214	8.97989E-09	up-regulated gene
MCRIP2P1	ENSG00000241418	3.1312418	6.14751E-11	up-regulated gene
MUC17	ENSG00000169876	3.130249996	0.004381173	up-regulated gene
AC009955.2	ENSG00000267919	3.129982115	5.45857E-06	up-regulated gene
RHBG	ENSG00000132677	3.128028558	7.77504E-09	up-regulated gene
RLBP1	ENSG00000140522	3.127485382	6.3042E-05	up-regulated gene
LINC02577	ENSG00000228742	3.126244697	1.39901E-07	up-regulated gene
CDKN2A-DT	ENSG00000224854	3.12532905	3.13811E-05	up-regulated gene
MYRFL	ENSG00000166268	3.124215515	1.21468E-09	up-regulated gene
AC069277.1	ENSG00000189229	3.118596235	2.49893E-08	up-regulated gene
CCR3	ENSG00000183625	3.118516673	2.44612E-11	up-regulated gene
LRRN4	ENSG00000125872	3.118019827	4.02703E-09	up-regulated gene
C7orf33	ENSG00000170279	3.115290133	0.031748034	up-regulated gene
LINC01169	ENSG00000259471	3.115245439	6.04235E-05	up-regulated gene
AC109635.4	ENSG00000255442	3.115096854	0.02312472	up-regulated gene
GBX2	ENSG00000168505	3.113061407	1.97173E-06	up-regulated gene
CALHM3	ENSG00000183128	3.112537386	2.36092E-07	up-regulated gene
NKX3-2	ENSG00000109705	3.112407479	9.06626E-11	up-regulated gene
SLC22A31	ENSG00000259803	3.105917246	8.00801E-07	up-regulated gene
AC113194.1	ENSG00000272457	3.105218962	1.46963E-05	up-regulated gene

AC015849.5	ENSG00000270977	3.104575838	4.23671E-11	up-regulated gene
NKX2-1-AS1	ENSG00000253563	3.104221788	0.011964804	up-regulated gene
BPIFC	ENSG00000184459	3.104191269	0.000390332	up-regulated gene
H2BW2	ENSG00000101812	3.100679638	0.000181564	up-regulated gene
FCRLB	ENSG00000162746	3.099666257	8.16286E-12	up-regulated gene
SAA2	ENSG00000134339	3.099247049	6.10173E-07	up-regulated gene
C19orf67	ENSG00000188032	3.097364258	1.25496E-08	up-regulated gene
GHRHR	ENSG00000106128	3.094710204	0.00214682	up-regulated gene
LINC01711	ENSG00000268941	3.094642835	1.58941E-07	up-regulated gene
LINC01322	ENSG00000244128	3.093334065	5.63604E-06	up-regulated gene
RPL10P6	ENSG00000230076	3.091503875	3.17376E-08	up-regulated gene
POU4F1	ENSG00000152192	3.091169836	1.03542E-06	up-regulated gene
AC024595.1	ENSG00000279379	3.089806178	0.002680473	up-regulated gene
DUXAP10	ENSG00000244306	3.089228997	1.03123E-11	up-regulated gene
AL356585.4	ENSG00000279924	3.089083458	0.017074548	up-regulated gene
PDZD3	ENSG00000172367	3.088491967	1.10161E-06	up-regulated gene
TAFA3	ENSG00000184599	3.086481291	1.8484E-09	up-regulated gene
AC110285.6	ENSG00000279692	3.083038831	9.44549E-16	up-regulated gene
LINC02522	ENSG00000231056	3.081679607	0.002529198	up-regulated gene
ZNF280A	ENSG00000169548	3.080246097	0.001718189	up-regulated gene
LHX9	ENSG00000143355	3.077359146	9.23937E-07	up-regulated gene
ZNF560	ENSG00000198028	3.076159869	0.00150602	up-regulated gene
IRX4	ENSG00000113430	3.075325387	0.000147875	up-regulated gene
LINC01429	ENSG00000227964	3.075109412	6.17309E-06	up-regulated gene
HKDC1	ENSG00000156510	3.074440194	1.0425E-07	up-regulated gene
MRGPRX3	ENSG00000179826	3.074077076	0.001233331	up-regulated gene
ULBP1	ENSG00000111981	3.074039331	1.73569E-14	up-regulated gene
SOST	ENSG00000167941	3.073375349	0.000300669	up-regulated gene
ATP6V1B1-AS1	ENSG00000239322	3.071823522	1.83023E-05	up-regulated gene
GPC2	ENSG00000213420	3.070603496	3.47969E-14	up-regulated gene
AC034213.1	ENSG00000250509	3.065523055	0.000977718	up-regulated gene
WNT7A	ENSG00000154764	3.063593009	4.35126E-07	up-regulated gene
C20orf141	ENSG00000258713	3.062844838	0.0012908	up-regulated gene
LGR5	ENSG00000139292	3.062716399	6.90613E-07	up-regulated gene
LYPD9P	ENSG00000229703	3.056185196	0.028102557	up-regulated gene
MS4A8	ENSG00000166959	3.054488442	0.000885463	up-regulated gene
LINC00514	ENSG00000262152	3.053073991	2.62896E-08	up-regulated gene
HOXC6	ENSG00000197757	3.053054537	2.03216E-12	up-regulated gene
BCAR4	ENSG00000262117	3.051729099	0.000326042	up-regulated gene
EGILA	ENSG00000258451	3.05168929	1.96137E-06	up-regulated gene
AL096677.1	ENSG00000273838	3.050786059	7.81996E-05	up-regulated gene
DSC1	ENSG00000134765	3.049494789	3.47045E-06	up-regulated gene
AC012354.2	ENSG00000274520	3.046366809	1.89484E-05	up-regulated gene
HOXC8	ENSG00000037965	3.03978259	5.80187E-09	up-regulated gene
AC093866.1	ENSG00000251095	3.032848657	2.43572E-06	up-regulated gene
AC004704.1	ENSG00000249815	3.031779013	0.007439861	up-regulated gene
H2AC10P	ENSG00000218690	3.030542652	1.08933E-06	up-regulated gene
MIR3153	ENSG00000265112	3.030399287	6.75335E-07	up-regulated gene
ONECUT1	ENSG00000169856	3.029665497	8.01927E-05	up-regulated gene

AC103808.3	ENSG00000265717	3.028390615	0.019735378	up-regulated gene
KLK10	ENSG00000129451	3.027939423	3.23195E-05	up-regulated gene
FBN2	ENSG00000138829	3.025332662	3.0158E-09	up-regulated gene
CFAP251	ENSG00000158023	3.024254852	5.09342E-12	up-regulated gene
OLIG3	ENSG00000177468	3.020825349	0.036157705	up-regulated gene
SLC25A24P1	ENSG00000241361	3.020726457	8.80901E-06	up-regulated gene
AL157400.2	ENSG00000232936	3.019605929	3.0921E-07	up-regulated gene
AP000525.1	ENSG00000272872	3.018909297	2.65427E-10	up-regulated gene
PNPLA3	ENSG00000100344	3.018563648	1.59635E-09	up-regulated gene
KRT3	ENSG00000186442	3.016400595	5.76741E-07	up-regulated gene
AC025423.3	ENSG00000256678	3.016140505	0.000243794	up-regulated gene
OVAAL	ENSG00000236719	3.015459869	0.000668615	up-regulated gene
IL36B	ENSG00000136696	3.015313792	0.000262132	up-regulated gene
AC007993.1	ENSG00000267166	3.012352672	4.04259E-07	up-regulated gene
AL355601.1	ENSG00000234692	3.010329728	0.001196595	up-regulated gene
AL354709.2	ENSG00000277653	3.010162159	6.5867E-05	up-regulated gene
LCT	ENSG00000115850	3.008461065	6.53781E-07	up-regulated gene
AP005057.1	ENSG00000264080	3.008367764	0.000131815	up-regulated gene
AF015262.1	ENSG00000234703	2.996474392	0.001705571	up-regulated gene
LINC01098	ENSG00000231171	2.995580066	8.92901E-05	up-regulated gene
TMEM145	ENSG00000167619	2.995458903	1.60662E-11	up-regulated gene
MRPL45P1	ENSG00000232508	2.995133967	0.000240295	up-regulated gene
LINC02465	ENSG00000249618	2.994976619	0.00044899	up-regulated gene
GRAMD4P3	ENSG00000278301	2.991179437	0.002292299	up-regulated gene
LINC02293	ENSG00000257185	2.98976121	0.007646214	up-regulated gene
FXVD4	ENSG00000150201	2.989719603	1.96646E-05	up-regulated gene
U91319.1	ENSG00000262801	2.987692306	0.014656896	up-regulated gene
AP001205.1	ENSG00000253740	2.986340725	0.000208602	up-regulated gene
SLC24A2	ENSG00000155886	2.986169389	1.38392E-11	up-regulated gene
TLR8-AS1	ENSG00000233338	2.986088748	0.000713582	up-regulated gene
RGS20	ENSG00000147509	2.984015966	4.05909E-11	up-regulated gene
AC108676.1	ENSG00000244675	2.983940542	2.67496E-07	up-regulated gene
AL162413.1	ENSG00000270372	2.982835096	3.82868E-05	up-regulated gene
AQP12A	ENSG00000184945	2.982604461	0.008347005	up-regulated gene
RNASE7	ENSG00000165799	2.981441176	4.21506E-08	up-regulated gene
PSG8	ENSG00000124467	2.980761895	0.007715907	up-regulated gene
AL139023.1	ENSG00000257869	2.979742002	0.001049414	up-regulated gene
FSTL5	ENSG00000168843	2.979181194	0.000171358	up-regulated gene
LINC02583	ENSG00000187600	2.978559568	0.031937911	up-regulated gene
SYNPR	ENSG00000163630	2.976150061	0.004985621	up-regulated gene
AC084781.1	ENSG00000277229	2.975959827	1.08856E-05	up-regulated gene
LCN1	ENSG00000160349	2.973330331	3.91776E-06	up-regulated gene
MOGAT3	ENSG00000106384	2.97032295	4.53547E-05	up-regulated gene
FOXP4-AS1	ENSG00000234753	2.970051364	6.06193E-11	up-regulated gene
C22orf42	ENSG00000205856	2.968984665	0.002402755	up-regulated gene
AC026369.1	ENSG00000249695	2.966939659	1.23189E-05	up-regulated gene
UGT2B4	ENSG00000156096	2.96572997	0.000983312	up-regulated gene
TLX1NB	ENSG00000236311	2.962094705	0.004728662	up-regulated gene
FGF3	ENSG00000186895	2.961956821	0.09887885	up-regulated gene

LINC01615	ENSG00000223485	2.961196893	7.29211E-09	up-regulated gene
VCX3A	ENSG00000169059	2.960928675	0.000188836	up-regulated gene
AL121578.1	ENSG00000259977	2.960390853	0.00710662	up-regulated gene
AC137834.2	ENSG00000276727	2.958049296	9.09735E-07	up-regulated gene
AP003900.1	ENSG00000277693	2.95804545	0.003553017	up-regulated gene
RDM1	ENSG00000278023	2.956671103	1.55276E-19	up-regulated gene
ARAP1-AS1	ENSG00000256007	2.956498288	0.000764755	up-regulated gene
UCP1	ENSG00000109424	2.955577289	3.73318E-05	up-regulated gene
LMX1B	ENSG00000136944	2.954914404	1.05508E-05	up-regulated gene
ECEL1P2	ENSG00000244280	2.953161399	9.82773E-05	up-regulated gene
TMEM249	ENSG00000261587	2.951704963	6.46072E-13	up-regulated gene
RDH8	ENSG00000080511	2.951073606	0.000257953	up-regulated gene
AC100791.2	ENSG00000262768	2.950474724	3.46595E-06	up-regulated gene
CACNG1	ENSG00000108878	2.950396571	0.000428076	up-regulated gene
SLC5A5	ENSG00000105641	2.949353571	8.62062E-08	up-regulated gene
ZPLD1	ENSG00000170044	2.948720994	2.15329E-06	up-regulated gene
AL161669.2	ENSG00000270705	2.948700113	0.000152567	up-regulated gene
BPIFA2	ENSG00000131050	2.946600272	0.000767496	up-regulated gene
SULT4A1	ENSG00000130540	2.946408745	8.55241E-05	up-regulated gene
HDGFL1	ENSG00000112273	2.945958276	5.81219E-05	up-regulated gene
H2AC16	ENSG00000276903	2.94592288	5.93098E-08	up-regulated gene
BOLA2P3	ENSG00000220771	2.945887615	9.56913E-07	up-regulated gene
MKRN3	ENSG00000179455	2.943763124	7.71109E-06	up-regulated gene
SIRLNT	ENSG00000253802	2.941725986	0.04700876	up-regulated gene
AC008443.2	ENSG00000248103	2.941211205	0.000182147	up-regulated gene
H3C10	ENSG00000278828	2.941127394	4.51807E-13	up-regulated gene
LPO	ENSG00000167419	2.938824856	2.82046E-07	up-regulated gene
ADAMTS20	ENSG00000173157	2.938025265	6.43186E-06	up-regulated gene
TMEM132D-AS1	ENSG00000249196	2.936904399	0.013646909	up-regulated gene
RPS16P9	ENSG00000242675	2.935466465	0.000850304	up-regulated gene
DLL3	ENSG00000090932	2.933901488	1.13343E-07	up-regulated gene
SH2D5	ENSG00000189410	2.932785196	1.05132E-07	up-regulated gene
LINC02275	ENSG00000248319	2.931270482	0.001212693	up-regulated gene
TBR1	ENSG00000136535	2.928110548	2.81138E-05	up-regulated gene
AC025881.1	ENSG00000253499	2.927685516	0.003746404	up-regulated gene
DNAJB6P3	ENSG00000231802	2.92749441	6.13836E-05	up-regulated gene
MYOD1	ENSG00000129152	2.9265319	0.022449808	up-regulated gene
LINC00462	ENSG00000233610	2.926415189	0.000384269	up-regulated gene
GPAT2P1	ENSG00000237510	2.925346147	0.000686829	up-regulated gene
AC007919.1	ENSG00000224611	2.924943916	5.02849E-05	up-regulated gene
RNA5SP18	ENSG00000212237	2.923643381	6.27896E-06	up-regulated gene
CTSV	ENSG00000136943	2.923557986	9.06482E-11	up-regulated gene
AC023824.3	ENSG00000260958	2.921939276	0.0490863	up-regulated gene
MANCR	ENSG00000231298	2.921241755	2.17103E-06	up-regulated gene
MNX1-AS2	ENSG00000235029	2.92110501	8.26603E-08	up-regulated gene
ELFN1-AS1	ENSG00000236081	2.920469456	1.32181E-07	up-regulated gene
AC006058.3	ENSG00000272121	2.919654708	1.43422E-05	up-regulated gene
GSTA9P	ENSG00000243236	2.918393142	0.015380202	up-regulated gene
TENM2	ENSG00000145934	2.918114152	8.75741E-05	up-regulated gene

AL589765.6	ENSG00000269489	2.918052787	1.19057E-08	up-regulated gene
PPP4R4	ENSG00000119698	2.916874678	4.77266E-06	up-regulated gene
MMP9	ENSG00000100985	2.916063085	6.42738E-09	up-regulated gene
AL049543.1	ENSG00000246350	2.915777678	3.87268E-06	up-regulated gene
DAW1	ENSG00000123977	2.913422641	0.000486528	up-regulated gene
LARP1P1	ENSG00000217159	2.912461545	7.84399E-07	up-regulated gene
KCNG1	ENSG00000026559	2.911578977	1.26879E-09	up-regulated gene
AC006141.1	ENSG00000264895	2.911341785	3.64624E-05	up-regulated gene
LINC02321	ENSG00000258884	2.90828628	1.40234E-10	up-regulated gene
LINC02532	ENSG00000235142	2.908100741	3.82167E-05	up-regulated gene
SNORA70	ENSG00000202379	2.906322858	1.10214E-07	up-regulated gene
AC018616.1	ENSG00000253859	2.905664115	0.000148466	up-regulated gene
GAGE12J	ENSG00000224659	2.905306415	0.224964395	up-regulated gene
CACNG4	ENSG00000075461	2.903929183	5.76912E-07	up-regulated gene
PRR36	ENSG00000183248	2.902957852	3.22616E-10	up-regulated gene
KRT9	ENSG00000171403	2.90272474	5.68509E-08	up-regulated gene
FAM238B	ENSG00000231976	2.902539729	0.003832645	up-regulated gene
AL021807.1	ENSG00000272468	2.899956663	9.17379E-15	up-regulated gene
PPIAP93	ENSG00000227847	2.897577751	0.215203413	up-regulated gene
MMP8	ENSG00000118113	2.895972367	3.48121E-05	up-regulated gene
SAA4	ENSG00000148965	2.895326626	0.000143502	up-regulated gene
AC023034.1	ENSG00000259594	2.894162762	1.77825E-05	up-regulated gene
TBX10	ENSG00000167800	2.893568911	0.000168326	up-regulated gene
LINC01444	ENSG00000264301	2.893555372	0.03146399	up-regulated gene
NRIR	ENSG00000225964	2.89261081	2.24108E-10	up-regulated gene
AC010343.3	ENSG00000250697	2.892323833	0.001275559	up-regulated gene
AL512785.1	ENSG00000227094	2.89175977	0.015910092	up-regulated gene
ZNF556	ENSG00000172000	2.891432194	1.46571E-07	up-regulated gene
CNIH3-AS2	ENSG00000233384	2.889138501	3.71071E-06	up-regulated gene
LINC02571	ENSG00000256166	2.888189547	0.001623794	up-regulated gene
METTL11B	ENSG00000203740	2.888046142	2.14303E-06	up-regulated gene
TRPM2-AS	ENSG00000230061	2.887975533	2.89358E-09	up-regulated gene
AF254983.1	ENSG00000273840	2.886571389	0.042103397	up-regulated gene
H3C7	ENSG00000277775	2.884372064	1.42151E-07	up-regulated gene
AMH	ENSG00000104899	2.883897998	4.4827E-10	up-regulated gene
HOMER2P1	ENSG00000228966	2.883735855	0.025924474	up-regulated gene
AC233992.2	ENSG00000271698	2.882227006	1.80809E-09	up-regulated gene
IFNL1	ENSG00000182393	2.882184095	6.80928E-05	up-regulated gene
PINCR	ENSG00000224294	2.881985731	0.021956045	up-regulated gene
AC008687.4	ENSG00000268655	2.880922544	8.00992E-10	up-regulated gene
LINC01143	ENSG00000237751	2.877740913	0.000820336	up-regulated gene
AL645608.3	ENSG00000231702	2.877148067	1.49232E-05	up-regulated gene
ATP5MC1P4	ENSG00000227440	2.876202433	2.83436E-17	up-regulated gene
SLC10A4	ENSG00000145248	2.875372535	7.52248E-08	up-regulated gene
FGF4	ENSG00000075388	2.873974748	0.073096625	up-regulated gene
LINC00456	ENSG00000233124	2.873626256	7.15857E-05	up-regulated gene
AC093063.1	ENSG00000268088	2.873102781	0.00312625	up-regulated gene
AC010872.1	ENSG00000280390	2.872806838	0.015400239	up-regulated gene
LCE1A	ENSG00000186844	2.872136445	0.076482726	up-regulated gene

SLCO6A1	ENSG00000205359	2.869655948	2.13585E-05	up-regulated gene
IFIT1P1	ENSG00000215515	2.869357767	5.96098E-07	up-regulated gene
AL354793.1	ENSG00000230105	2.868801394	3.39243E-05	up-regulated gene
LINC02505	ENSG00000248215	2.867751048	0.029062019	up-regulated gene
DMBX1	ENSG00000197587	2.867687716	2.23278E-07	up-regulated gene
AC008687.6	ENSG00000269706	2.866527494	0.032273189	up-regulated gene
DLGAP1-AS3	ENSG00000263724	2.866050963	0.005593433	up-regulated gene
KLF14	ENSG00000266265	2.865393904	3.74097E-06	up-regulated gene
AC010997.5	ENSG00000273248	2.865303228	1.17204E-07	up-regulated gene
LINC02575	ENSG00000228709	2.86496979	2.56116E-05	up-regulated gene
TMEM191B	ENSG00000278558	2.864212925	5.96301E-09	up-regulated gene
AL138759.1	ENSG00000244332	2.863453488	1.32629E-05	up-regulated gene
H2BU1	ENSG00000196890	2.862902444	3.77404E-15	up-regulated gene
SLC45A2	ENSG00000164175	2.861698207	4.15575E-07	up-regulated gene
EDDM3A	ENSG00000181562	2.86072801	0.001241109	up-regulated gene
SFTA2	ENSG00000196260	2.859510947	4.1267E-05	up-regulated gene
ZBBX	ENSG00000169064	2.857944013	0.000796135	up-regulated gene
AL513164.1	ENSG00000224658	2.856636628	0.003126717	up-regulated gene
OTOF	ENSG00000115155	2.855925674	7.69419E-10	up-regulated gene
EPHA8	ENSG00000070886	2.855901855	6.75791E-05	up-regulated gene
H2AC11	ENSG00000196787	2.854232653	7.81416E-14	up-regulated gene
AC107419.1	ENSG00000228933	2.853316019	7.63581E-05	up-regulated gene
CSTL1	ENSG00000125823	2.85198445	5.08273E-07	up-regulated gene
GHRH	ENSG00000118702	2.849494658	0.041901858	up-regulated gene
TMEM74B	ENSG00000125895	2.849359448	2.75054E-15	up-regulated gene
FABP12	ENSG00000197416	2.848763371	0.005350582	up-regulated gene
MYBL2	ENSG00000101057	2.848700477	8.55285E-23	up-regulated gene
TMEM88B	ENSG00000205116	2.848130136	1.37471E-05	up-regulated gene
LINC01305	ENSG00000231453	2.847293828	9.07869E-05	up-regulated gene
AC004988.1	ENSG00000203446	2.845294147	1.82095E-07	up-regulated gene
AP002981.1	ENSG00000253923	2.843752436	3.53494E-06	up-regulated gene
AP000439.2	ENSG00000255980	2.843228331	0.000624786	up-regulated gene
NBPF6	ENSG00000186086	2.841203054	0.000125245	up-regulated gene
OTOP3	ENSG00000182938	2.841182229	0.005007397	up-regulated gene
AC078852.2	ENSG00000254094	2.841153655	5.63443E-06	up-regulated gene
PPIAP78	ENSG00000234838	2.836714626	9.1315E-05	up-regulated gene
AC073352.1	ENSG00000272662	2.83352362	1.25935E-11	up-regulated gene
KRT83	ENSG00000170523	2.833431017	3.4313E-06	up-regulated gene
AC004233.1	ENSG00000262362	2.83256142	1.41261E-06	up-regulated gene
MYCN	ENSG00000134323	2.832420652	3.69969E-07	up-regulated gene
AC108515.1	ENSG00000253170	2.830889398	0.052125182	up-regulated gene
E2F6P4	ENSG00000231513	2.830747676	0.004336181	up-regulated gene
LINC02544	ENSG00000261039	2.830729509	7.75023E-07	up-regulated gene
ZNF209P	ENSG00000269138	2.830698997	0.041952829	up-regulated gene
LINC01205	ENSG00000228980	2.830366536	0.013968769	up-regulated gene
PCNPP3	ENSG00000213344	2.828463622	0.001835744	up-regulated gene
DNAH17-AS1	ENSG00000267432	2.827501343	1.07193E-06	up-regulated gene
AL589684.1	ENSG00000223811	2.827206913	0.000169174	up-regulated gene
AC103563.4	ENSG00000232594	2.827010685	0.071740911	up-regulated gene

LINC01077	ENSG00000233456	2.826873401	0.04869921	up-regulated gene
LINC01614	ENSG00000230838	2.825781505	2.06498E-06	up-regulated gene
KIF18B	ENSG00000186185	2.821962169	1.15388E-32	up-regulated gene
KANK4	ENSG00000132854	2.82078368	1.32922E-05	up-regulated gene
MAPK15	ENSG00000181085	2.818630802	1.9236E-13	up-regulated gene
AC068299.1	ENSG00000239093	2.818541928	6.35292E-06	up-regulated gene
PDZK1	ENSG00000174827	2.817977058	8.46194E-10	up-regulated gene
AC090502.3	ENSG00000258320	2.817596034	0.016313905	up-regulated gene
LINC01517	ENSG00000232624	2.817335678	0.007508475	up-regulated gene
RFPL2	ENSG00000128253	2.816297874	0.000114256	up-regulated gene
PYY2	ENSG00000237575	2.815771937	7.391E-10	up-regulated gene
AP000829.1	ENSG00000263551	2.814553461	0.000277481	up-regulated gene
METTL21C	ENSG00000139780	2.813436433	0.000354802	up-regulated gene
NEFL	ENSG00000277586	2.813155198	0.000894382	up-regulated gene
H2BC4	ENSG00000180596	2.809965654	4.17682E-13	up-regulated gene
FOXH1	ENSG00000160973	2.807915313	4.00243E-09	up-regulated gene
GABRR3	ENSG00000183185	2.807532085	0.000276828	up-regulated gene
AL355607.2	ENSG00000260454	2.807106938	0.000745293	up-regulated gene
R3HDML	ENSG00000101074	2.807038768	0.085555612	up-regulated gene
RBP3	ENSG00000265203	2.806764651	5.56362E-06	up-regulated gene
LINC00603	ENSG00000250048	2.805946026	0.06611146	up-regulated gene
SIGLEC5	ENSG00000105501	2.805845361	2.23967E-06	up-regulated gene
TRIM10	ENSG00000204613	2.80433434	0.000438936	up-regulated gene
AC015574.1	ENSG00000275016	2.804208957	0.050842054	up-regulated gene
LINC01655	ENSG00000227925	2.803213997	0.000220572	up-regulated gene
CYP1A1	ENSG00000140465	2.803095649	0.001883395	up-regulated gene
SDR9C7	ENSG00000170426	2.801605784	4.03534E-06	up-regulated gene
RN7SL535P	ENSG00000239419	2.796762719	1.86803E-06	up-regulated gene
KHDC1L	ENSG00000256980	2.795585592	0.000716968	up-regulated gene
AC131157.1	ENSG00000257253	2.795084336	0.102657407	up-regulated gene
B3GALT1-AS1	ENSG00000235335	2.794896294	0.007275884	up-regulated gene
ALOX15P2	ENSG00000188101	2.794639132	0.034230282	up-regulated gene
ELAVL2	ENSG00000107105	2.7946006	1.66157E-06	up-regulated gene
AL355987.5	ENSG00000274356	2.794528306	1.34221E-07	up-regulated gene
FMO8P	ENSG00000238087	2.789758461	0.004598345	up-regulated gene
LINC01391	ENSG00000244578	2.787733069	0.000238708	up-regulated gene
GTF2IP6	ENSG00000266736	2.787719465	0.108013694	up-regulated gene
SMC1B	ENSG00000077935	2.785330447	1.41606E-10	up-regulated gene
AC006262.4	ENSG00000277748	2.785230245	0.001240707	up-regulated gene
PGAM1P7	ENSG00000213997	2.784622664	1.72664E-07	up-regulated gene
OR7C1	ENSG00000127530	2.783620839	0.000626682	up-regulated gene
AC034223.1	ENSG00000249102	2.78046967	0.023504923	up-regulated gene
SIM1	ENSG00000112246	2.780193384	0.005204753	up-regulated gene
GRIN3B	ENSG00000116032	2.78002958	1.3025E-13	up-regulated gene
LINC01219	ENSG00000232987	2.779827243	0.003468286	up-regulated gene
AL772284.1	ENSG00000231270	2.779501664	0.001584718	up-regulated gene
PSAPL1	ENSG00000178597	2.778808374	0.000475385	up-regulated gene
LYPD8	ENSG00000259823	2.777289932	9.4887E-05	up-regulated gene
RPS6P12	ENSG00000233309	2.776880312	4.81239E-05	up-regulated gene

FLJ36000	ENSG00000276399	2.775450748	0.081422849	up-regulated gene
ZNF849P	ENSG00000198153	2.77504233	0.001490383	up-regulated gene
AC005722.3	ENSG00000262681	2.77453854	0.000221984	up-regulated gene
CCDC162P	ENSG00000203799	2.774453783	3.37815E-08	up-regulated gene
AL353751.1	ENSG00000232110	2.773030511	5.69386E-05	up-regulated gene
AC002351.1	ENSG00000258240	2.772864224	0.006499241	up-regulated gene
KRT16	ENSG00000186832	2.771795324	1.36967E-05	up-regulated gene
KRT34	ENSG00000131737	2.771710956	8.03063E-05	up-regulated gene
ECEL1	ENSG00000171551	2.770891839	3.67457E-07	up-regulated gene
AL136114.1	ENSG00000227579	2.770559721	0.000376264	up-regulated gene
AL713899.1	ENSG00000206878	2.769070576	1.0692E-05	up-regulated gene
LINC00393	ENSG00000224853	2.76879191	0.000596682	up-regulated gene
LINC02225	ENSG00000249584	2.767907958	0.000475372	up-regulated gene
LINC02621	ENSG00000234756	2.767849097	0.00196605	up-regulated gene
CELF5	ENSG00000161082	2.767520076	2.08607E-07	up-regulated gene
AC007333.1	ENSG00000260478	2.767395645	0.074876973	up-regulated gene
AL121785.1	ENSG00000279835	2.767285833	0.034721846	up-regulated gene
AC012354.7	ENSG00000277311	2.766616169	0.000166388	up-regulated gene
SERPINA1	ENSG00000197249	2.766361304	2.09345E-08	up-regulated gene
H4C10P	ENSG00000217862	2.764950494	3.82047E-05	up-regulated gene
RAC3	ENSG00000169750	2.764719836	2.6085E-21	up-regulated gene
AC005381.1	ENSG00000267243	2.764394527	0.012673105	up-regulated gene
NRCAM	ENSG00000091129	2.764045634	1.70217E-08	up-regulated gene
AC069061.2	ENSG00000264734	2.76324656	0.087211555	up-regulated gene
PRSS3P1	ENSG00000250591	2.759524611	0.106493592	up-regulated gene
SNORD14E	ENSG00000200879	2.75934531	2.11665E-10	up-regulated gene
PAX1	ENSG00000125813	2.758498109	0.004781025	up-regulated gene
AC133041.1	ENSG00000272710	2.757984241	0.000115105	up-regulated gene
AC090503.1	ENSG00000257682	2.757553918	0.027948479	up-regulated gene
AC019211.1	ENSG00000239498	2.757372627	2.8026E-05	up-regulated gene
FSD1	ENSG00000105255	2.757275712	3.17452E-08	up-regulated gene
DUXAP8	ENSG00000206195	2.756725015	9.26279E-12	up-regulated gene
H2AC17	ENSG00000278677	2.75636979	1.54213E-10	up-regulated gene
LAMC2	ENSG00000058085	2.756028426	1.11528E-08	up-regulated gene
AL357507.1	ENSG00000223786	2.755813621	0.008541159	up-regulated gene
HOXC12	ENSG00000123407	2.755467643	0.004075695	up-regulated gene
PDIA2	ENSG00000185615	2.753441771	2.68017E-08	up-regulated gene
H1-4	ENSG00000168298	2.752575004	2.4373E-11	up-regulated gene
CALML3-AS1	ENSG00000205488	2.752321129	5.10844E-07	up-regulated gene
LINC02236	ENSG00000251365	2.751628588	1.04665E-05	up-regulated gene
SLC22A11	ENSG00000168065	2.751560586	3.0313E-05	up-regulated gene
NKX2-8	ENSG00000136327	2.75144669	3.62143E-05	up-regulated gene
AC105118.1	ENSG00000253931	2.751040091	3.02016E-05	up-regulated gene
MESTP3	ENSG00000250927	2.749678505	0.000253096	up-regulated gene
CT45A1	ENSG00000268940	2.7486162	0.113523118	up-regulated gene
GREB1L	ENSG00000141449	2.74846666	1.52754E-07	up-regulated gene
OLR1	ENSG00000173391	2.74655477	7.41726E-08	up-regulated gene
FOXD1	ENSG00000251493	2.746061759	5.60984E-07	up-regulated gene
RAX	ENSG00000134438	2.745435562	0.003229145	up-regulated gene

CFAP77	ENSG00000188523	2.745339632	6.84186E-06	up-regulated gene
PRELID2P1	ENSG00000257336	2.744589213	9.79464E-06	up-regulated gene
GOLGA6L2	ENSG00000174450	2.744289278	0.006552968	up-regulated gene
AMBP	ENSG00000106927	2.74376733	7.76785E-05	up-regulated gene
MT1H	ENSG00000205358	2.743520301	3.04109E-07	up-regulated gene
AP002802.1	ENSG00000254511	2.74313409	0.068414291	up-regulated gene
KIF12	ENSG00000136883	2.741606716	3.4303E-07	up-regulated gene
AC011287.1	ENSG00000229618	2.741415555	6.40807E-05	up-regulated gene
CRP	ENSG00000132693	2.740364945	0.003130966	up-regulated gene
H3Y1	ENSG00000269466	2.740259588	0.105510693	up-regulated gene
LINC01842	ENSG00000267147	2.739563235	2.65527E-07	up-regulated gene
RNF182	ENSG00000180537	2.739150784	3.36312E-07	up-regulated gene
KIF26B	ENSG00000162849	2.738811283	1.31944E-16	up-regulated gene
CDH3	ENSG00000062038	2.738532979	2.4091E-10	up-regulated gene
SUMO1P1	ENSG00000241721	2.737171454	0.010150683	up-regulated gene
SPRR2B	ENSG00000196805	2.735862122	0.02257442	up-regulated gene
AC111000.4	ENSG00000250696	2.735440142	0.011168177	up-regulated gene
CENPIP1	ENSG00000224778	2.734717348	0.131311392	up-regulated gene
AL589182.2	ENSG00000278594	2.734547632	1.31742E-05	up-regulated gene
DLX6	ENSG00000006377	2.734191812	4.60311E-09	up-regulated gene
NOBOX	ENSG00000106410	2.733042909	0.034123211	up-regulated gene
AC084864.1	ENSG00000242078	2.732106062	4.45299E-07	up-regulated gene
AL359922.3	ENSG00000279670	2.73188622	1.94364E-05	up-regulated gene
IQGAP3	ENSG00000183856	2.730967265	3.40235E-30	up-regulated gene
AL022324.3	ENSG00000272942	2.729679957	0.000578543	up-regulated gene
MUC3A	ENSG00000169894	2.729510026	4.92979E-07	up-regulated gene
AP002957.1	ENSG00000255345	2.729320503	0.002597664	up-regulated gene
GAD2	ENSG00000136750	2.729243237	0.033496259	up-regulated gene
AC096656.1	ENSG00000279844	2.728555531	7.32403E-05	up-regulated gene
HOXC-AS2	ENSG00000250133	2.727906544	6.84716E-08	up-regulated gene
LBP	ENSG00000129988	2.727242928	3.21455E-06	up-regulated gene
AC004233.3	ENSG00000274367	2.726847163	6.43405E-06	up-regulated gene
LINC01732	ENSG00000237292	2.726644536	0.000156243	up-regulated gene
GS1-594A7.3	ENSG00000225833	2.725326303	0.007748698	up-regulated gene
KLHDC7B-DT	ENSG00000272666	2.724995499	1.16547E-08	up-regulated gene
DPRX	ENSG00000204595	2.723772854	0.005281931	up-regulated gene
B4GALNT4	ENSG00000182272	2.72092178	1.60627E-08	up-regulated gene
AGGF1P2	ENSG00000233435	2.719841883	5.7462E-06	up-regulated gene
RSPO4	ENSG00000101282	2.718979536	4.39143E-06	up-regulated gene
MKRN5P	ENSG00000224430	2.718182689	6.27413E-05	up-regulated gene
TMEM213	ENSG00000214128	2.717432134	4.41962E-05	up-regulated gene
HOXC13	ENSG00000123364	2.716991481	1.14076E-08	up-regulated gene
SLC28A2	ENSG00000137860	2.714736847	6.00132E-06	up-regulated gene
MSI1	ENSG00000135097	2.714468173	4.88363E-08	up-regulated gene
AL606490.8	ENSG00000235350	2.713942146	9.76147E-05	up-regulated gene
AC011369.2	ENSG00000279739	2.713314779	0.015319941	up-regulated gene
LINC02450	ENSG00000257114	2.712907652	1.10152E-05	up-regulated gene
H2AC4	ENSG00000278463	2.712127751	1.32915E-05	up-regulated gene
HMGA2-AS1	ENSG00000197301	2.711941749	1.34126E-07	up-regulated gene

KMT5AP3	ENSG00000242583	2.711176942	3.42919E-05	up-regulated gene
DMRT3	ENSG00000064218	2.711130938	4.87412E-05	up-regulated gene
GGTLC3	ENSG00000274252	2.709356465	0.017509776	up-regulated gene
MTND4P20	ENSG00000233377	2.709109829	0.00776394	up-regulated gene
GPRIN1	ENSG00000169258	2.708439179	2.01622E-17	up-regulated gene
AC104472.1	ENSG00000214919	2.708246199	9.26126E-05	up-regulated gene
AC129492.2	ENSG00000263427	2.707100193	0.001457363	up-regulated gene
MMP1	ENSG00000196611	2.706840006	9.70392E-07	up-regulated gene
LINC00308	ENSG00000184856	2.706532719	0.013024109	up-regulated gene
H19	ENSG00000130600	2.706080634	3.25325E-06	up-regulated gene
NCF4-AS1	ENSG00000183822	2.705869867	0.000193445	up-regulated gene
FAM72D	ENSG00000215784	2.704926242	3.23197E-23	up-regulated gene
AC011632.1	ENSG00000253706	2.704903653	0.00040605	up-regulated gene
LINC01639	ENSG00000236117	2.7038163	0.046003258	up-regulated gene
GLDCP1	ENSG00000248590	2.700468261	0.001549927	up-regulated gene
AC090116.1	ENSG00000277223	2.69898809	0.009982191	up-regulated gene
CALR4P	ENSG00000227742	2.698635514	2.71845E-05	up-regulated gene
KCNJ4	ENSG00000168135	2.697472713	0.001163091	up-regulated gene
DNAJB13	ENSG00000187726	2.69633963	6.11215E-08	up-regulated gene
SPATA31C2	ENSG00000177910	2.695268786	0.004783059	up-regulated gene
AC061975.7	ENSG00000267644	2.693994628	2.98125E-05	up-regulated gene
AC113189.4	ENSG00000272884	2.691058855	6.16035E-06	up-regulated gene
DIRC1	ENSG00000174325	2.690936708	8.76403E-05	up-regulated gene
H3C12	ENSG00000197153	2.690588997	7.82541E-07	up-regulated gene
AC023347.1	ENSG00000235774	2.690457271	0.066498029	up-regulated gene
PYCR1	ENSG00000183010	2.690040716	1.75868E-18	up-regulated gene
IGHV2-26	ENSG00000211951	2.689110985	0.000111194	up-regulated gene
AC018755.1	ENSG00000267808	2.688034138	9.60061E-06	up-regulated gene
STRIT1	ENSG00000240045	2.68614438	0.003384072	up-regulated gene
CCDC166	ENSG00000255181	2.684038522	0.000473443	up-regulated gene
ISX	ENSG00000175329	2.683587103	0.005855725	up-regulated gene
ZNF488	ENSG00000265763	2.683363245	1.5293E-09	up-regulated gene
AC073347.1	ENSG00000230936	2.683261983	0.029398556	up-regulated gene
KRTAP13-2	ENSG00000182816	2.681964418	0.320003897	up-regulated gene
SEMG2	ENSG00000124157	2.681188375	0.004195076	up-regulated gene
AC096637.2	ENSG00000231057	2.680370125	3.13157E-07	up-regulated gene
AL355922.2	ENSG00000258599	2.680308544	1.41108E-06	up-regulated gene
FAM47C	ENSG00000198173	2.679974042	0.001072875	up-regulated gene
APELA	ENSG00000248329	2.679848347	2.48023E-05	up-regulated gene
LINC02862	ENSG00000237571	2.678064801	0.00011671	up-regulated gene
AADACL3	ENSG00000188984	2.674861611	0.086773119	up-regulated gene
ROCR	ENSG00000228639	2.672830516	0.012882759	up-regulated gene
TRHDE-AS1	ENSG00000236333	2.672273336	2.61694E-05	up-regulated gene
NEUROD4	ENSG00000123307	2.671505658	0.087722513	up-regulated gene
SLCO4C1	ENSG00000173930	2.671429868	1.5709E-06	up-regulated gene
AC084759.2	ENSG00000259669	2.669049227	0.041893213	up-regulated gene
TMEM151A	ENSG00000179292	2.668558559	2.55074E-06	up-regulated gene
CCNP	ENSG00000105219	2.668024491	1.66902E-09	up-regulated gene
NXPH2	ENSG00000144227	2.666940239	0.006392685	up-regulated gene

AP000695.2	ENSG00000233818	2.664801734	1.04332E-13	up-regulated gene
AC005041.3	ENSG00000272183	2.664558668	5.20328E-21	up-regulated gene
PNMT	ENSG00000141744	2.663993824	7.06603E-07	up-regulated gene
LINC00165	ENSG00000261706	2.663948262	0.001109086	up-regulated gene
CHIA	ENSG00000134216	2.663129403	0.004682976	up-regulated gene
TRAV30	ENSG00000259092	2.662635641	0.0003944	up-regulated gene
AC010643.1	ENSG00000268686	2.662576852	3.02093E-06	up-regulated gene
LINC01833	ENSG00000259439	2.662248705	8.0645E-06	up-regulated gene
AP002478.1	ENSG00000266401	2.66078549	9.55709E-09	up-regulated gene
KRTAP3-1	ENSG00000212901	2.660624666	0.011220728	up-regulated gene
XKR7	ENSG00000260903	2.660353483	0.000406637	up-regulated gene
AC233280.2	ENSG00000271662	2.660051961	6.8213E-13	up-regulated gene
AL022326.1	ENSG00000224794	2.65993178	0.000198697	up-regulated gene
OR8G5	ENSG00000255298	2.658798784	0.017400887	up-regulated gene
AC010655.2	ENSG00000240758	2.65830482	3.25316E-11	up-regulated gene
TEDC2	ENSG00000162062	2.657700936	3.08587E-33	up-regulated gene
ACKR2	ENSG00000144648	2.657204587	3.22743E-07	up-regulated gene
TEX55	ENSG00000163424	2.65650283	0.000693556	up-regulated gene
LINC01484	ENSG00000253686	2.656060009	4.54372E-05	up-regulated gene
SBK1	ENSG00000188322	2.655871775	2.85491E-09	up-regulated gene
KRT18P8	ENSG00000264644	2.654164309	9.78553E-11	up-regulated gene
SPATA21	ENSG00000187144	2.653775105	9.74212E-05	up-regulated gene
LINC01971	ENSG00000278200	2.653642544	7.02301E-05	up-regulated gene
AC015923.1	ENSG00000233635	2.653104602	0.000113401	up-regulated gene
MTDHP4	ENSG00000268535	2.65307762	0.000909859	up-regulated gene
FAM72C	ENSG00000263513	2.649088589	8.92799E-19	up-regulated gene
IFITM3P2	ENSG00000223722	2.648814884	6.52071E-06	up-regulated gene
RHOXF2B	ENSG00000203989	2.648741154	0.247064364	up-regulated gene
LINC02470	ENSG00000225231	2.647120466	0.003811468	up-regulated gene
AL158166.1	ENSG00000227076	2.646710078	4.02961E-10	up-regulated gene
LUARIS	ENSG00000231638	2.646434467	1.28651E-05	up-regulated gene
AP000593.2	ENSG00000228286	2.646424915	0.01970316	up-regulated gene
HOXB6	ENSG00000108511	2.64618875	3.30511E-11	up-regulated gene
H3C13	ENSG00000183598	2.645406876	1.71962E-07	up-regulated gene
AL031736.2	ENSG00000229757	2.645342173	1.73317E-06	up-regulated gene
HOXB5	ENSG00000120075	2.643475633	9.90069E-11	up-regulated gene
ATP6V1B1	ENSG00000116039	2.64305345	1.41233E-08	up-regulated gene
H4C1	ENSG00000278637	2.642000268	8.47381E-05	up-regulated gene
LINC02365	ENSG00000254233	2.641940617	8.05824E-05	up-regulated gene
TM4SF5	ENSG00000142484	2.641480622	0.000817607	up-regulated gene
PSAT1P1	ENSG00000253810	2.640767679	0.000353949	up-regulated gene
TLX2	ENSG00000115297	2.640219879	1.33329E-08	up-regulated gene
FNDC1	ENSG00000164694	2.63952025	1.00603E-06	up-regulated gene
AL157937.1	ENSG00000236921	2.639303698	0.004885996	up-regulated gene
TINAG	ENSG00000137251	2.638485736	0.041557726	up-regulated gene
AL512353.2	ENSG00000233708	2.638448198	0.000870362	up-regulated gene
ADAM18	ENSG00000168619	2.63768933	0.004313184	up-regulated gene
AL136172.1	ENSG00000269846	2.637384747	4.0352E-07	up-regulated gene
KISS1R	ENSG00000116014	2.637379233	1.92429E-06	up-regulated gene

ATOH1	ENSG00000172238	2.637100601	0.082559887	up-regulated gene
LINC01320	ENSG00000228262	2.635742145	0.007025652	up-regulated gene
C1GALT1P1	ENSG00000257818	2.635653958	8.06247E-07	up-regulated gene
SLC5A4-AS1	ENSG00000242082	2.635276609	0.001531082	up-regulated gene
GABBR2	ENSG00000136928	2.633330171	6.07513E-05	up-regulated gene
H2BC3	ENSG00000276410	2.633098533	0.002370586	up-regulated gene
IFNB1	ENSG00000171855	2.633028619	0.002868834	up-regulated gene
CLPS	ENSG00000137392	2.632430403	0.006113011	up-regulated gene
DEFB4A	ENSG00000171711	2.631848222	0.060177661	up-regulated gene
FAM224B	ENSG00000230663	2.631602748	0.001509427	up-regulated gene
AC015660.1	ENSG00000259341	2.62975746	0.000705951	up-regulated gene
LINC01623	ENSG00000225595	2.627572289	0.00159278	up-regulated gene
LINC02122	ENSG00000248474	2.626642591	0.009412759	up-regulated gene
AC129926.1	ENSG00000265246	2.626569571	6.68641E-06	up-regulated gene
TSPEAR	ENSG00000175894	2.625905623	8.79932E-05	up-regulated gene
DDN	ENSG00000181418	2.625675694	1.47931E-09	up-regulated gene
CELSR3	ENSG00000008300	2.623795908	3.63049E-16	up-regulated gene
SCGB3A2	ENSG00000164265	2.623194149	0.000113195	up-regulated gene
CPLX2	ENSG00000145920	2.621713439	0.000257005	up-regulated gene
RN7SKP106	ENSG00000222764	2.621593771	0.00019174	up-regulated gene
AC099342.1	ENSG00000226097	2.620630266	6.79351E-05	up-regulated gene
LINC02437	ENSG00000248517	2.620501298	0.006007816	up-regulated gene
MED15P4	ENSG00000224679	2.619823801	0.014411097	up-regulated gene
TBX1	ENSG00000184058	2.619652738	3.37074E-08	up-regulated gene
PCAT14	ENSG00000280623	2.619441815	0.022383799	up-regulated gene
A1CF	ENSG00000148584	2.61773762	0.00013443	up-regulated gene
AKR1C4	ENSG00000198610	2.616983239	8.91741E-05	up-regulated gene
APOA4	ENSG00000110244	2.616307887	0.119184464	up-regulated gene
TROAP	ENSG00000135451	2.615873294	7.68028E-29	up-regulated gene
DGCR5	ENSG00000237517	2.615471812	6.52107E-08	up-regulated gene
AC060834.2	ENSG00000234710	2.6149587	0.191010651	up-regulated gene
OR51B5	ENSG00000167355	2.614347134	0.000629216	up-regulated gene
AC093627.1	ENSG00000232325	2.614126012	0.022860681	up-regulated gene
AL354751.1	ENSG00000234537	2.61344665	5.54283E-06	up-regulated gene
AL136018.1	ENSG00000258657	2.61244172	0.007669461	up-regulated gene
AP001542.1	ENSG00000266995	2.610282401	8.7254E-07	up-regulated gene
AKR1B15	ENSG00000227471	2.610220138	3.74748E-06	up-regulated gene
AC004835.1	ENSG00000230392	2.609491016	0.001210666	up-regulated gene
ATP6V0A4	ENSG00000105929	2.608682944	5.59779E-06	up-regulated gene
PCDHA11	ENSG00000249158	2.608043832	0.000541662	up-regulated gene
AC069120.1	ENSG00000253361	2.606163761	0.029713666	up-regulated gene
AC133561.1	ENSG00000198555	2.606033325	0.001927739	up-regulated gene
LINC02700	ENSG00000255666	2.605617611	0.001315988	up-regulated gene
RBMY2JP	ENSG00000227204	2.605210778	0.001222809	up-regulated gene
IFI6	ENSG00000126709	2.605140079	7.51084E-11	up-regulated gene
PSG6	ENSG00000170848	2.605065582	0.046773234	up-regulated gene
OR1N2	ENSG00000171501	2.604436214	0.121211701	up-regulated gene
ARSLP1	ENSG00000224060	2.604326159	0.000426556	up-regulated gene
LINC01804	ENSG00000231031	2.603262241	0.060121742	up-regulated gene

MEP1A	ENSG00000112818	2.602450255	2.2682E-05	up-regulated gene
LINC01399	ENSG00000233080	2.601228509	0.000482824	up-regulated gene
AP001628.2	ENSG00000233754	2.601205219	0.000659709	up-regulated gene
AC010329.5	ENSG00000280171	2.601161681	0.001955989	up-regulated gene
LIPG	ENSG00000101670	2.601094258	1.22225E-10	up-regulated gene
HSD17B3-AS1	ENSG00000232283	2.600388878	0.000418261	up-regulated gene
AC092118.1	ENSG00000187185	2.600057224	3.4329E-07	up-regulated gene
AC114803.1	ENSG00000230432	2.599218878	0.000607984	up-regulated gene
MKRN9P	ENSG00000258128	2.59908553	0.00101456	up-regulated gene
CENPA	ENSG00000115163	2.598144335	3.01909E-24	up-regulated gene
OBP2B	ENSG00000171102	2.596886094	0.003020737	up-regulated gene
AC123905.1	ENSG00000257265	2.594836141	0.001320277	up-regulated gene
SLC15A1	ENSG00000088386	2.594010068	2.26772E-08	up-regulated gene
H1-6	ENSG00000187475	2.593492762	0.000259442	up-regulated gene
LCE3D	ENSG00000163202	2.592851825	0.035551223	up-regulated gene
UBE2C	ENSG00000175063	2.59266275	5.34573E-27	up-regulated gene
AC011447.6	ENSG00000279039	2.591191332	2.52129E-08	up-regulated gene
AL078587.1	ENSG00000231081	2.591080386	5.37652E-08	up-regulated gene
AL023755.1	ENSG00000228697	2.590144156	0.000110137	up-regulated gene
KRT16P5	ENSG00000230088	2.589707421	0.006805782	up-regulated gene
CD200R1L	ENSG00000206531	2.589178243	9.35408E-05	up-regulated gene
LINC02242	ENSG00000249736	2.587142111	0.003708884	up-regulated gene
AP001011.1	ENSG00000266049	2.586572079	0.002806484	up-regulated gene
AC005670.1	ENSG00000261886	2.586213394	5.48323E-07	up-regulated gene
PDZK1IP1	ENSG00000162366	2.586000314	5.51613E-06	up-regulated gene
ITIH6	ENSG00000102313	2.58466264	3.74398E-08	up-regulated gene
CFHR4	ENSG00000134365	2.58370526	0.000210546	up-regulated gene
NT5DC4	ENSG00000144130	2.5803576	1.01736E-11	up-regulated gene
ABHD17AP4	ENSG00000229107	2.57996104	1.94083E-05	up-regulated gene
IGKV1D-17	ENSG00000242766	2.577569044	0.000983303	up-regulated gene
UGT2B10	ENSG00000109181	2.576483123	0.051329979	up-regulated gene
AC119751.4	ENSG00000250753	2.575566528	0.007843533	up-regulated gene
DLX2-DT	ENSG00000236651	2.575539472	0.000847942	up-regulated gene
AC091931.1	ENSG00000278958	2.573822061	0.002338818	up-regulated gene
AC027088.3	ENSG00000259265	2.573195614	0.006522353	up-regulated gene
TM4SF20	ENSG00000168955	2.573010919	0.003960105	up-regulated gene
GRAMD4P2	ENSG00000235992	2.572999561	0.029054268	up-regulated gene
LINC01254	ENSG00000260913	2.572668629	0.002579942	up-regulated gene
CT55	ENSG00000169551	2.572345738	0.00751884	up-regulated gene
MTND1P23	ENSG00000225972	2.572196735	2.33404E-05	up-regulated gene
Y_RNA	ENSG00000206640	2.571793496	7.32954E-05	up-regulated gene
ZNF695	ENSG00000197472	2.571473571	2.48566E-20	up-regulated gene
QRFPR	ENSG00000186867	2.570502319	0.00727857	up-regulated gene
C10orf88B	ENSG00000255624	2.570216221	3.34259E-12	up-regulated gene
MED15P8	ENSG00000248796	2.568128043	0.05079131	up-regulated gene
DISP3	ENSG00000204624	2.568018488	5.75687E-08	up-regulated gene
LINC02527	ENSG00000227012	2.568002692	0.000810247	up-regulated gene
PTH2R	ENSG00000144407	2.567739881	0.000231285	up-regulated gene
PLA2G2F	ENSG00000158786	2.567590282	1.07869E-05	up-regulated gene

CPN2	ENSG00000178772	2.566658474	0.000491166	up-regulated gene
AL158847.1	ENSG00000241720	2.566449379	0.001699008	up-regulated gene
EME1	ENSG00000154920	2.56491951	1.06907E-29	up-regulated gene
AC007128.2	ENSG00000272328	2.564830514	1.37531E-07	up-regulated gene
GRM4	ENSG00000124493	2.56411934	2.2497E-06	up-regulated gene
ZNF730	ENSG00000183850	2.563053202	8.65741E-07	up-regulated gene
IGF2-AS	ENSG00000099869	2.563010984	3.09259E-05	up-regulated gene
AL109615.2	ENSG00000231881	2.562390788	4.55222E-05	up-regulated gene
FAM181A	ENSG00000140067	2.561759922	0.000633479	up-regulated gene
RAPSN	ENSG00000165917	2.560341624	3.66736E-08	up-regulated gene
ETV4	ENSG00000175832	2.559703219	5.08306E-15	up-regulated gene
LINC02643	ENSG00000230109	2.559456451	0.008208097	up-regulated gene
LDC1P	ENSG00000260386	2.559291712	5.40835E-05	up-regulated gene
AL356234.2	ENSG00000230533	2.557547706	0.008452201	up-regulated gene
AC006262.3	ENSG00000269745	2.557286917	0.00658785	up-regulated gene
MYCL-AS1	ENSG00000236546	2.557001983	4.78341E-07	up-regulated gene
C20orf85	ENSG00000124237	2.556942076	0.026492672	up-regulated gene
TOMM40P2	ENSG00000215270	2.55689795	3.13765E-09	up-regulated gene
AC243773.1	ENSG00000276707	2.556815904	0.03307444	up-regulated gene
ASB10	ENSG00000146926	2.556483148	0.001347535	up-regulated gene
LINC01087	ENSG00000224559	2.555919186	0.001331785	up-regulated gene
CSF2	ENSG00000164400	2.555897554	3.05227E-06	up-regulated gene
AC008063.1	ENSG00000233397	2.555635926	0.02838016	up-regulated gene
PTPRN	ENSG00000054356	2.555441694	1.24965E-06	up-regulated gene
TTL11-IT1	ENSG00000237548	2.55534065	3.07095E-05	up-regulated gene
LINC02805	ENSG00000232265	2.555191227	0.001528932	up-regulated gene
NPY4R2	ENSG00000264717	2.554507736	0.00070803	up-regulated gene
AC145207.9	ENSG00000278876	2.553548698	4.97869E-15	up-regulated gene
MEX3A	ENSG00000254726	2.553141568	4.15628E-13	up-regulated gene
LINC01202	ENSG00000280776	2.553078793	0.019528955	up-regulated gene
FAM72B	ENSG00000188610	2.551758257	1.6387E-21	up-regulated gene
AL138789.1	ENSG00000233589	2.551351031	6.24625E-05	up-regulated gene
VEPH1	ENSG00000197415	2.551115743	1.85741E-08	up-regulated gene
AP006565.1	ENSG00000265737	2.550937093	0.017327218	up-regulated gene
CLEC12A-AS1	ENSG00000231560	2.550488359	0.000463924	up-regulated gene
C9orf163	ENSG00000196366	2.550336023	1.37646E-15	up-regulated gene
AL354766.2	ENSG00000236028	2.549555437	0.002022452	up-regulated gene
AL135878.1	ENSG00000258028	2.549545006	0.04990493	up-regulated gene
ACOD1	ENSG00000102794	2.548937254	0.001573616	up-regulated gene
LYZL6	ENSG00000275722	2.547642144	0.005160869	up-regulated gene
LINC00896	ENSG00000236499	2.54504991	3.91923E-10	up-regulated gene
LINC01413	ENSG00000260172	2.544948534	0.073236945	up-regulated gene
RFLNA	ENSG00000178882	2.544656038	2.02441E-06	up-regulated gene
CDKN2B-AS1	ENSG00000240498	2.543014543	2.89787E-08	up-regulated gene
GBP5	ENSG00000154451	2.542714678	2.27747E-06	up-regulated gene
AC022784.1	ENSG00000248538	2.540433854	1.86272E-05	up-regulated gene
CHRND	ENSG00000135902	2.539196222	0.004707206	up-regulated gene
H4C14	ENSG00000270882	2.538273849	4.80076E-10	up-regulated gene
AP005205.3	ENSG00000279479	2.537784577	0.001217075	up-regulated gene

AC022028.2	ENSG00000270002	2.537244774	0.015434567	up-regulated gene
INS	ENSG00000254647	2.537066631	0.014677789	up-regulated gene
IGSF23	ENSG00000216588	2.53689901	0.000112451	up-regulated gene
KRT18P15	ENSG00000234737	2.536846403	9.22364E-07	up-regulated gene
AL008633.1	ENSG00000225689	2.536834599	0.000400751	up-regulated gene
NUF2	ENSG00000143228	2.535813693	3.96761E-23	up-regulated gene
SEC14L4	ENSG00000133488	2.534996733	3.87499E-05	up-regulated gene
AC004888.1	ENSG00000231295	2.534169385	0.000175084	up-regulated gene
AC107871.1	ENSG00000260007	2.534116372	2.58248E-05	up-regulated gene
SLCO1A2	ENSG00000084453	2.533891697	8.75361E-05	up-regulated gene
NHP2P2	ENSG00000213786	2.53268321	0.007141075	up-regulated gene
VCX3B	ENSG00000205642	2.53244954	0.000733276	up-regulated gene
NR5A1	ENSG00000136931	2.531936585	0.000339878	up-regulated gene
TLL2	ENSG00000095587	2.531266416	1.59354E-08	up-regulated gene
LRP2	ENSG00000081479	2.531099405	1.64549E-06	up-regulated gene
LINC02159	ENSG00000253417	2.53015508	4.01497E-05	up-regulated gene
GPR1-AS	ENSG00000279220	2.529059892	0.012823268	up-regulated gene
DIO1	ENSG00000211452	2.528399882	6.13152E-07	up-regulated gene
PAGE4	ENSG00000101951	2.52791699	0.035736734	up-regulated gene
FEZF1-AS1	ENSG00000230316	2.527586536	3.13318E-05	up-regulated gene
AP000842.3	ENSG00000260209	2.52751876	0.000544551	up-regulated gene
AC005674.1	ENSG00000250413	2.526807295	5.75074E-06	up-regulated gene
CLEC2L	ENSG00000236279	2.526716226	0.000204568	up-regulated gene
XAGE5	ENSG00000171405	2.52635491	0.197807675	up-regulated gene
RPL23AP66	ENSG00000243141	2.524604113	1.43717E-05	up-regulated gene
ANKRD19P	ENSG00000187984	2.523174569	2.26658E-09	up-regulated gene
KCNA7	ENSG00000104848	2.521708189	7.23862E-08	up-regulated gene
AC126407.1	ENSG00000260978	2.520890786	0.007413602	up-regulated gene
AC025575.1	ENSG00000257454	2.520536459	0.001571697	up-regulated gene
AL031280.1	ENSG00000233478	2.520062994	2.53834E-05	up-regulated gene
NEK2P4	ENSG00000230450	2.519307626	0.001200414	up-regulated gene
FER1L6	ENSG00000214814	2.518483796	0.000179856	up-regulated gene
LINC01492	ENSG00000225564	2.517054296	0.002482064	up-regulated gene
LINC02443	ENSG00000256115	2.516526157	0.000308872	up-regulated gene
UCN2	ENSG00000145040	2.516293439	5.22445E-10	up-regulated gene
POU6F2-AS1	ENSG00000224122	2.515753216	0.018728383	up-regulated gene
HAO1	ENSG00000101323	2.51541039	0.013914718	up-regulated gene
AC090023.2	ENSG00000256915	2.515203806	0.016191119	up-regulated gene
AP002784.1	ENSG00000250519	2.514431128	0.000124377	up-regulated gene
ASIC5	ENSG00000256394	2.514330348	0.002742725	up-regulated gene
MELTF	ENSG00000163975	2.513213345	7.065E-09	up-regulated gene
LINC01819	ENSG00000231826	2.513128329	5.93748E-06	up-regulated gene
STK32A-AS1	ENSG00000250343	2.51211055	0.000515111	up-regulated gene
NKX6-1	ENSG00000163623	2.511379812	0.000306938	up-regulated gene
LINC02533	ENSG00000260239	2.511197274	0.000179525	up-regulated gene
AC016044.1	ENSG00000259203	2.510747232	0.023584576	up-regulated gene
BNIP3P24	ENSG00000269040	2.510621534	2.57148E-05	up-regulated gene
RNF144A-AS1	ENSG00000228203	2.510499386	3.07739E-11	up-regulated gene
HNF4A	ENSG00000101076	2.51034456	1.37921E-05	up-regulated gene

NKAIN4	ENSG00000101198	2.510242611	4.92744E-07	up-regulated gene
NDUFB4P11	ENSG00000259374	2.509702719	1.00622E-06	up-regulated gene
C1QTNF6	ENSG00000133466	2.507991893	1.04997E-16	up-regulated gene
MEST	ENSG00000106484	2.507847116	1.02124E-10	up-regulated gene
SLC28A3	ENSG00000197506	2.506428877	1.69509E-06	up-regulated gene
RBAKDN	ENSG00000273313	2.506260732	0.000112454	up-regulated gene
PSLNR	ENSG00000225255	2.50607163	0.001647918	up-regulated gene
SLC6A10P	ENSG00000214617	2.505177654	0.013801483	up-regulated gene
AC074124.1	ENSG00000249049	2.504258132	0.035262198	up-regulated gene
CDH15	ENSG00000129910	2.50374566	2.17365E-07	up-regulated gene
FEZF1	ENSG00000128610	2.501833811	0.000252657	up-regulated gene
METTL7B	ENSG00000170439	2.501106851	4.86595E-08	up-regulated gene
CAMK2N2	ENSG00000163888	2.501063363	3.6103E-09	up-regulated gene
AL645608.2	ENSG00000230699	2.499496611	1.01517E-05	up-regulated gene
AC006058.1	ENSG00000261786	2.498011634	4.36529E-06	up-regulated gene
H1-2	ENSG00000187837	2.497896088	1.31332E-13	up-regulated gene
RPS15P9	ENSG00000240846	2.497478717	0.008522717	up-regulated gene
NMRAL2P	ENSG00000171658	2.497439951	0.00023971	up-regulated gene
AC091812.2	ENSG00000273720	2.496549628	0.000116581	up-regulated gene
AC090286.3	ENSG00000235672	2.496196647	4.54004E-06	up-regulated gene
LINC01580	ENSG00000258785	2.496155313	0.078602095	up-regulated gene
MYLK2	ENSG00000101306	2.495053826	8.88436E-16	up-regulated gene
AC064853.1	ENSG00000236116	2.493671919	0.001799013	up-regulated gene
LINC01977	ENSG00000262772	2.493431154	9.38993E-10	up-regulated gene
LINC00525	ENSG00000146666	2.493201614	9.12541E-09	up-regulated gene
MIR181A1HG	ENSG00000229989	2.49300874	0.000304385	up-regulated gene
TAS2R1	ENSG00000169777	2.49244232	0.006650732	up-regulated gene
AC007128.1	ENSG00000229970	2.492355402	3.49576E-08	up-regulated gene
LINC02100	ENSG00000248693	2.48943225	2.72236E-06	up-regulated gene
NKX1-2	ENSG00000229544	2.489250943	0.001942522	up-regulated gene
LINC02188	ENSG00000261175	2.489229858	0.000978075	up-regulated gene
KCNS1	ENSG00000124134	2.487927604	2.67719E-07	up-regulated gene
AL355472.3	ENSG00000273367	2.487044701	4.54976E-07	up-regulated gene
AL162574.2	ENSG00000278698	2.487026388	0.001909541	up-regulated gene
SEPTIN14	ENSG00000154997	2.486317155	0.01218222	up-regulated gene
AC022336.1	ENSG00000242199	2.485502305	0.000200842	up-regulated gene
AC026369.2	ENSG00000256694	2.485332684	1.97965E-12	up-regulated gene
AC104564.4	ENSG00000264647	2.485319882	0.000230494	up-regulated gene
RPSAP71	ENSG00000254256	2.485080301	0.002198069	up-regulated gene
AC008464.1	ENSG00000253660	2.48481241	0.059522988	up-regulated gene
CEACAM5	ENSG00000105388	2.484218839	0.000612401	up-regulated gene
AC145146.1	ENSG00000249295	2.482301756	0.00182238	up-regulated gene
AC093720.1	ENSG00000250376	2.481486978	0.018306439	up-regulated gene
MGAT4EP	ENSG00000184774	2.481475502	4.21271E-07	up-regulated gene
AC090503.2	ENSG00000258294	2.47911748	0.003272224	up-regulated gene
TMEM191C	ENSG00000206140	2.478786809	8.1313E-10	up-regulated gene
HJURP	ENSG00000123485	2.478685883	7.74429E-29	up-regulated gene
LINC00520	ENSG00000258791	2.478637724	0.000136336	up-regulated gene
RNU1-70P	ENSG00000199488	2.47699218	0.005444143	up-regulated gene

NKX6-3	ENSG00000165066	2.476280235	0.009638433	up-regulated gene
LINC01127	ENSG00000281162	2.47576076	7.41802E-05	up-regulated gene
MAGEA10-MAGEA5	ENSG00000266560	2.475687316	0.000583745	up-regulated gene
KRT85	ENSG00000135443	2.47490907	0.002534217	up-regulated gene
AP003717.1	ENSG00000255847	2.474487329	0.000651601	up-regulated gene
Z83839.2	ENSG00000239674	2.473683037	0.094475601	up-regulated gene
ZIC4	ENSG00000174963	2.4731472	0.011343953	up-regulated gene
LINC02547	ENSG00000254486	2.47314484	5.47248E-05	up-regulated gene
AC132807.2	ENSG00000274840	2.471784376	0.000865466	up-regulated gene
Z82246.1	ENSG00000236054	2.470970398	0.000784435	up-regulated gene
ISG15	ENSG00000187608	2.47077324	2.01593E-12	up-regulated gene
OTP	ENSG00000171540	2.470508495	0.000190092	up-regulated gene
PTPRR	ENSG00000153233	2.470476341	6.49446E-06	up-regulated gene
AL008723.2	ENSG00000273325	2.46885223	0.001507101	up-regulated gene
AL008718.1	ENSG00000213752	2.468819059	0.001394335	up-regulated gene
GGT4P	ENSG00000280208	2.466659263	0.000513257	up-regulated gene
CDC20B	ENSG00000164287	2.46602287	1.03651E-05	up-regulated gene
KRTAP4-1	ENSG00000198443	2.466006608	2.73569E-09	up-regulated gene
SYNGR4	ENSG00000105467	2.465683707	7.28612E-09	up-regulated gene
APOC2	ENSG00000234906	2.465375266	4.84902E-06	up-regulated gene
TRIM17	ENSG00000162931	2.465336842	6.14646E-09	up-regulated gene
EPS8L3	ENSG00000198758	2.465185441	0.000190385	up-regulated gene
MNX1-AS1	ENSG00000243479	2.464134494	3.84832E-07	up-regulated gene
RETNLB	ENSG00000163515	2.463336526	0.000575192	up-regulated gene
DIO2-AS1	ENSG00000258766	2.463104375	0.006764054	up-regulated gene
SAPCD2	ENSG00000186193	2.46294576	2.29656E-19	up-regulated gene
MYO3A	ENSG00000095777	2.462932637	0.001681439	up-regulated gene
APOC1	ENSG00000130208	2.462840608	1.94492E-12	up-regulated gene
LINC00634	ENSG00000205704	2.462748604	1.95167E-10	up-regulated gene
AC019185.1	ENSG00000231896	2.46235156	0.0032343	up-regulated gene
LRFN2	ENSG00000156564	2.462299064	2.26623E-05	up-regulated gene
FAM171A2	ENSG00000161682	2.46212653	7.72274E-12	up-regulated gene
OR13Z2P	ENSG00000272443	2.461649091	0.001594356	up-regulated gene
LINC00659	ENSG00000228705	2.460986506	0.001502634	up-regulated gene
ZNF114-AS1	ENSG00000268186	2.459455005	0.000866011	up-regulated gene
BMS1P22	ENSG00000232775	2.457322301	4.88388E-05	up-regulated gene
AL592043.1	ENSG00000233571	2.456986947	0.001427072	up-regulated gene
LINC02074	ENSG00000266357	2.456333781	0.029576111	up-regulated gene
DDN-AS1	ENSG00000257913	2.454571206	9.25704E-14	up-regulated gene
AC233280.1	ENSG00000229178	2.45388751	1.77124E-11	up-regulated gene
AP005119.2	ENSG00000265417	2.453857204	0.005060507	up-regulated gene
AC025252.2	ENSG00000257035	2.453766769	0.082757917	up-regulated gene
YWHABP1	ENSG00000237557	2.451895373	0.015696979	up-regulated gene
AC024884.2	ENSG00000276272	2.451889799	5.58788E-08	up-regulated gene
KRT18P55	ENSG00000265480	2.450419594	1.91736E-07	up-regulated gene
ANKRD33	ENSG00000167612	2.448650887	0.002076114	up-regulated gene
ABCA12	ENSG00000144452	2.448625865	7.48708E-07	up-regulated gene
ALG1L5P	ENSG00000226943	2.448451838	9.87664E-05	up-regulated gene
AP000705.1	ENSG00000231136	2.447296759	0.019658866	up-regulated gene

AC099066.2	ENSG00000227496	2.447036102	1.48959E-06	up-regulated gene
MYEOV	ENSG00000172927	2.447014691	1.69413E-05	up-regulated gene
C21orf58	ENSG00000160298	2.446927831	4.26501E-26	up-regulated gene
AGGF1P1	ENSG00000214273	2.443759193	0.000255622	up-regulated gene
CTCF1	ENSG00000124092	2.44336342	0.009731045	up-regulated gene
AC007991.4	ENSG00000254287	2.442291905	0.002822839	up-regulated gene
MAGEB17	ENSG00000182798	2.442188394	0.000251472	up-regulated gene
AL117382.2	ENSG00000226812	2.442097403	0.075846152	up-regulated gene
ISL2	ENSG00000159556	2.44172003	1.91523E-16	up-regulated gene
LINC00536	ENSG00000249917	2.441516225	0.015761073	up-regulated gene
TMPRSS3	ENSG00000160183	2.439916612	2.00067E-06	up-regulated gene
AC009005.1	ENSG00000267751	2.439190303	1.07805E-10	up-regulated gene
TFR2	ENSG00000106327	2.438206234	5.92314E-13	up-regulated gene
AC027243.2	ENSG00000270036	2.437817356	2.61722E-06	up-regulated gene
AC090877.2	ENSG00000259721	2.437328647	0.00022489	up-regulated gene
HMGB1P16	ENSG00000229384	2.436034264	0.002377844	up-regulated gene
TMPOP1	ENSG00000229068	2.435286745	0.001452975	up-regulated gene
AP005233.2	ENSG00000260877	2.434804445	0.000101941	up-regulated gene
AC018953.1	ENSG00000253583	2.434665746	0.050447585	up-regulated gene
MTDHP1	ENSG00000270948	2.434162882	4.71598E-09	up-regulated gene
AL359265.1	ENSG00000227815	2.434125031	8.28066E-05	up-regulated gene
AC087499.4	ENSG00000235546	2.432975409	0.023748983	up-regulated gene
H2AW	ENSG00000181218	2.432643471	1.75541E-18	up-regulated gene
LINC01033	ENSG00000249069	2.430431828	0.004810401	up-regulated gene
AC008013.3	ENSG00000270926	2.429937622	0.000153129	up-regulated gene
KCNK13	ENSG00000152315	2.429872317	5.75272E-08	up-regulated gene
BOLA3P2	ENSG00000267332	2.429120467	0.018791321	up-regulated gene
FOXE3	ENSG00000186790	2.428902338	3.85889E-05	up-regulated gene
KRT12	ENSG00000187242	2.428690957	2.46008E-05	up-regulated gene
IFNL2	ENSG00000183709	2.42809303	0.004105764	up-regulated gene
AC083906.3	ENSG00000250643	2.426832164	0.001521899	up-regulated gene
H2AC21	ENSG00000184270	2.423848595	2.3025E-06	up-regulated gene
RN7SL3	ENSG00000278771	2.423601257	8.62241E-06	up-regulated gene
CGB2	ENSG00000104818	2.422079652	0.015942709	up-regulated gene
AC012640.1	ENSG00000248968	2.42192067	1.83154E-06	up-regulated gene
AC013457.1	ENSG00000259094	2.421518095	0.024786564	up-regulated gene
AC012354.9	ENSG00000278957	2.420005908	0.003993851	up-regulated gene
KC877373.1	ENSG00000243537	2.418465666	5.57275E-05	up-regulated gene
TTC4P1	ENSG00000221971	2.417576657	0.012739729	up-regulated gene
UHRF1	ENSG00000276043	2.416339643	7.05436E-28	up-regulated gene
AC008163.1	ENSG00000233491	2.415755814	0.081525469	up-regulated gene
PPY	ENSG00000108849	2.414922702	0.00213765	up-regulated gene
AL161668.3	ENSG00000258471	2.414100117	7.10398E-11	up-regulated gene
CYP2B6	ENSG00000197408	2.413082959	0.004939335	up-regulated gene
LINC01511	ENSG00000250584	2.412764338	0.002984376	up-regulated gene
CHRNA9	ENSG00000174343	2.412439348	0.000699964	up-regulated gene
AC004233.2	ENSG00000272079	2.412118262	2.02336E-07	up-regulated gene
ATP6V0D2	ENSG00000147614	2.411591352	7.33119E-08	up-regulated gene
LINC02315	ENSG00000251363	2.411043806	0.000415683	up-regulated gene

POTEH	ENSG00000198062	2.410621027	0.026401113	up-regulated gene
FRGCA	ENSG00000236663	2.410526894	6.31958E-05	up-regulated gene
AC084375.1	ENSG00000256969	2.410126419	0.026730715	up-regulated gene
SCARNA8	ENSG00000251733	2.409956807	7.25602E-05	up-regulated gene
LINC02178	ENSG00000261092	2.409525215	0.000457671	up-regulated gene
MTCYBP18	ENSG00000244921	2.409014154	2.38436E-05	up-regulated gene
U8	ENSG00000239148	2.40869656	0.046552194	up-regulated gene
TLCD3B	ENSG00000149926	2.408499905	3.42324E-07	up-regulated gene
CYP27B1	ENSG00000111012	2.407965633	4.50264E-17	up-regulated gene
LINC00645	ENSG00000258548	2.407435336	0.011003957	up-regulated gene
AC125616.1	ENSG00000256008	2.407143826	0.002068055	up-regulated gene
TUBAP5	ENSG00000214796	2.407048685	9.68221E-12	up-regulated gene
AC124944.1	ENSG00000231443	2.406905474	2.17235E-12	up-regulated gene
AC079160.1	ENSG00000250546	2.405353056	9.27407E-06	up-regulated gene
CDC20	ENSG00000117399	2.405160822	7.88696E-21	up-regulated gene
AC048337.1	ENSG00000258435	2.404406651	2.37055E-06	up-regulated gene
KRT8P38	ENSG00000226358	2.402533463	0.001198673	up-regulated gene
AFM	ENSG00000079557	2.402284603	0.027204959	up-regulated gene
AC003958.2	ENSG00000234859	2.401439455	0.002205625	up-regulated gene
LINC00564	ENSG00000260094	2.401239137	0.142187369	up-regulated gene
IFITM5	ENSG00000206013	2.400959112	0.001853129	up-regulated gene
AC063952.1	ENSG00000240661	2.400675243	9.80903E-08	up-regulated gene
CLEC12A	ENSG00000172322	2.400328118	1.67169E-06	up-regulated gene
LINC01398	ENSG00000224863	2.398802569	0.000712022	up-regulated gene
VGF	ENSG00000128564	2.397133125	1.46305E-09	up-regulated gene
CNTNAP2	ENSG00000174469	2.395882274	0.000807156	up-regulated gene
MUCL1	ENSG00000172551	2.395608043	0.000206117	up-regulated gene
OTX1	ENSG00000115507	2.394887717	6.64981E-16	up-regulated gene
AC090505.1	ENSG00000234805	2.394407096	0.008261514	up-regulated gene
PRR5-ARHGAP8	ENSG00000248405	2.393987727	1.65137E-10	up-regulated gene
GPR158	ENSG00000151025	2.393814309	3.28428E-06	up-regulated gene
CRYBA2	ENSG00000163499	2.393358028	0.006057917	up-regulated gene
MYH4	ENSG00000264424	2.393114373	0.001770514	up-regulated gene
CAGE1	ENSG00000164304	2.393098544	6.27568E-06	up-regulated gene
AL139351.1	ENSG00000276923	2.391274584	0.001351123	up-regulated gene
LINC01385	ENSG00000251604	2.391116205	0.066717128	up-regulated gene
SLC25A6P5	ENSG00000228948	2.391090621	0.000704875	up-regulated gene
DRAXIN	ENSG00000162490	2.3910805	3.66157E-10	up-regulated gene
AL356274.1	ENSG00000274549	2.390887662	8.05119E-05	up-regulated gene
CYP8B1	ENSG00000180432	2.390638058	4.67957E-05	up-regulated gene
Z82185.1	ENSG00000234979	2.389941555	0.043497544	up-regulated gene
AC097451.1	ENSG00000250657	2.387369158	0.199224267	up-regulated gene
AC099482.1	ENSG00000260741	2.386755511	0.00316594	up-regulated gene
TUBB3	ENSG00000258947	2.385955443	6.07001E-10	up-regulated gene
AL031736.1	ENSG00000227777	2.385621066	1.06679E-05	up-regulated gene
LRRC31	ENSG00000114248	2.385593915	3.46652E-05	up-regulated gene
FOX CUT	ENSG00000280916	2.385208581	4.44773E-07	up-regulated gene
ZBTB46-AS1	ENSG00000231208	2.384934787	0.055579013	up-regulated gene
AC122710.1	ENSG00000250060	2.384840178	0.127692257	up-regulated gene

CGREF1	ENSG00000138028	2.384778734	3.6898E-08	up-regulated gene
AC106798.1	ENSG00000250421	2.384219239	0.001698156	up-regulated gene
HOXC10	ENSG00000180818	2.383424215	0.000175894	up-regulated gene
GPR78	ENSG00000155269	2.381504387	5.50401E-06	up-regulated gene
AC244100.1	ENSG00000273736	2.381457871	0.001481251	up-regulated gene
ZNF670-ZNF695	ENSG00000135747	2.381373248	1.32249E-14	up-regulated gene
EFNA2	ENSG00000099617	2.381260954	0.000271513	up-regulated gene
FGF21	ENSG00000105550	2.381199761	0.012533172	up-regulated gene
AL031864.1	ENSG00000213060	2.381113349	3.86491E-05	up-regulated gene
ULBP2	ENSG00000131015	2.379990779	1.02854E-12	up-regulated gene
ENTPD8	ENSG00000188833	2.379121253	3.14538E-06	up-regulated gene
GUCA2B	ENSG00000044012	2.379085994	0.021869147	up-regulated gene
AC106772.1	ENSG00000249650	2.37800125	0.000107408	up-regulated gene
RNU6-705P	ENSG00000222533	2.377599932	0.003379516	up-regulated gene
AL121832.3	ENSG00000275437	2.377541452	1.20288E-17	up-regulated gene
AL163953.1	ENSG00000225680	2.377045604	0.038306509	up-regulated gene
LINC02687	ENSG00000255267	2.376688084	0.031749161	up-regulated gene
MIR4500HG	ENSG00000228824	2.374676643	0.007847149	up-regulated gene
AC087273.2	ENSG00000254054	2.373982028	0.000291987	up-regulated gene
HBE1	ENSG00000213931	2.37390223	0.005002105	up-regulated gene
CU639417.4	ENSG00000280095	2.373548193	0.003460169	up-regulated gene
LINC00839	ENSG00000185904	2.373403637	1.13451E-07	up-regulated gene
WNT3	ENSG00000108379	2.372555706	5.06728E-16	up-regulated gene
MIR4728	ENSG00000265178	2.372342583	6.48655E-05	up-regulated gene
H2BC5	ENSG00000158373	2.372097287	9.76208E-16	up-regulated gene
IGHV2-70	ENSG00000274576	2.371721281	0.000774352	up-regulated gene
AC073107.2	ENSG00000275833	2.371444887	5.42441E-06	up-regulated gene
AC011199.1	ENSG00000280053	2.370268886	3.63262E-05	up-regulated gene
STOML3	ENSG00000133115	2.369979516	0.000361036	up-regulated gene
CLDN10-AS1	ENSG00000223392	2.369340543	0.022951657	up-regulated gene
LRRC14B	ENSG00000185028	2.368771496	0.000634077	up-regulated gene
AC018716.1	ENSG00000254651	2.368581497	0.134378144	up-regulated gene
AC006058.2	ENSG00000271192	2.367415826	0.035302156	up-regulated gene
TPX2	ENSG00000088325	2.367272211	1.36514E-21	up-regulated gene
LINC01502	ENSG00000237339	2.366645451	0.023643219	up-regulated gene
AC129492.6	ENSG00000275011	2.36567407	0.000623262	up-regulated gene
PPFIA4	ENSG00000143847	2.36508769	1.28852E-10	up-regulated gene
INHBA	ENSG00000122641	2.364594202	1.94645E-08	up-regulated gene
FIGNL2-DT	ENSG00000259887	2.364090805	0.004940341	up-regulated gene
AC084757.2	ENSG00000259469	2.363280433	1.74812E-05	up-regulated gene
GTSE1	ENSG00000075218	2.362946756	3.42601E-27	up-regulated gene
AC124069.1	ENSG00000253168	2.362689416	0.003973345	up-regulated gene
AC105275.2	ENSG00000261314	2.36234325	0.001791949	up-regulated gene
CNFN	ENSG00000105427	2.362118709	5.73652E-09	up-regulated gene
MELK	ENSG00000165304	2.36184646	5.16028E-19	up-regulated gene
PFKFB4	ENSG00000114268	2.361297162	9.97374E-23	up-regulated gene
SSX2	ENSG00000241476	2.361131244	0.148293411	up-regulated gene
NAT16	ENSG00000167011	2.360952065	2.47238E-05	up-regulated gene
MIR4653	ENSG00000264425	2.359303267	3.58374E-15	up-regulated gene

AC084030.1	ENSG00000232328	2.358686675	0.001040802	up-regulated gene
AC068724.2	ENSG00000261687	2.358670839	2.49441E-05	up-regulated gene
PRICKLE2-DT	ENSG00000244564	2.358529544	0.000396859	up-regulated gene
AC024560.2	ENSG00000249626	2.358033411	3.27584E-12	up-regulated gene
G6PC	ENSG00000131482	2.357655533	0.003979678	up-regulated gene
SOX9-AS1	ENSG00000234899	2.35651977	5.88719E-08	up-regulated gene
NEUROG2	ENSG00000178403	2.356487189	0.011760749	up-regulated gene
EEF1A2	ENSG00000101210	2.355323187	5.69479E-05	up-regulated gene
ST8SIA2	ENSG00000140557	2.354678161	7.87357E-05	up-regulated gene
TMPRSS11BNL	ENSG00000250026	2.354402396	0.07152946	up-regulated gene
XRCC2	ENSG00000196584	2.353358916	2.4178E-28	up-regulated gene
APOBEC1	ENSG00000111701	2.353172371	0.125385639	up-regulated gene
PKLR	ENSG00000143627	2.352343882	0.000189421	up-regulated gene
ARF4P2	ENSG00000236527	2.350158879	8.67988E-05	up-regulated gene
CYP4F23P	ENSG00000269516	2.349861618	6.11397E-05	up-regulated gene
HOXC11	ENSG00000123388	2.349672238	1.11547E-05	up-regulated gene
AC005796.1	ENSG00000279617	2.349127199	0.004708607	up-regulated gene
LINC00942	ENSG00000249628	2.349105631	3.06619E-05	up-regulated gene
AC128709.1	ENSG00000229912	2.348850151	0.000306502	up-regulated gene
SHISA2	ENSG00000180730	2.34872467	1.2155E-05	up-regulated gene
TXNDC12-AS1	ENSG00000228369	2.348313242	0.000117526	up-regulated gene
DSCR4-IT1	ENSG00000223608	2.348113797	0.048110964	up-regulated gene
C4orf48	ENSG00000243449	2.347869937	5.48608E-13	up-regulated gene
CYP11A1	ENSG00000140459	2.346909999	3.31655E-05	up-regulated gene
AC125494.3	ENSG00000270068	2.346801237	0.000173235	up-regulated gene
PNPLA1	ENSG00000180316	2.346641225	8.59183E-07	up-regulated gene
PKMYT1	ENSG00000127564	2.345302683	1.32183E-21	up-regulated gene
AC087269.1	ENSG00000254367	2.344973605	0.006886369	up-regulated gene
RPL31P50	ENSG00000231788	2.344827918	0.007273003	up-regulated gene
AC093916.1	ENSG00000251598	2.344653666	0.018183873	up-regulated gene
AC091182.2	ENSG00000253746	2.343273754	2.06351E-05	up-regulated gene
CXCL9	ENSG00000138755	2.342196525	2.13824E-05	up-regulated gene
AC021945.1	ENSG00000279347	2.34156629	1.08337E-08	up-regulated gene
LINC02050	ENSG00000242781	2.341504647	0.113879408	up-regulated gene
HSPA8P13	ENSG00000253425	2.3404171	0.111868153	up-regulated gene
AP000593.3	ENSG00000255843	2.339786564	1.35719E-06	up-regulated gene
AL033397.1	ENSG00000231683	2.33963592	0.059388956	up-regulated gene
AC011447.7	ENSG00000280079	2.339161775	1.86528E-10	up-regulated gene
INHA	ENSG00000123999	2.338788485	1.55676E-08	up-regulated gene
LINC01647	ENSG00000235643	2.337991331	0.009698199	up-regulated gene
AURKA	ENSG00000087586	2.337607551	3.29977E-27	up-regulated gene
LINC01527	ENSG00000224308	2.336669462	0.001678637	up-regulated gene
DUSP9	ENSG00000130829	2.336523203	1.33344E-06	up-regulated gene
AC026355.2	ENSG00000228561	2.336388483	0.000114662	up-regulated gene
LINC02574	ENSG00000233975	2.335350422	0.000226377	up-regulated gene
KIF2C	ENSG00000142945	2.335304198	1.58126E-26	up-regulated gene
AL137060.3	ENSG00000274270	2.334376453	1.83379E-14	up-regulated gene
LINC02244	ENSG00000259590	2.334080223	0.001519317	up-regulated gene
PRDX2P4	ENSG00000213177	2.333357289	0.000283163	up-regulated gene

PSD2	ENSG00000146005	2.331601479	1.78693E-05	up-regulated gene
KNOP1P5	ENSG00000250563	2.331027688	0.023038257	up-regulated gene
TSPEAR-AS2	ENSG00000182912	2.330641303	0.000181894	up-regulated gene
ZP4	ENSG00000116996	2.33047974	0.175297598	up-regulated gene
PSG2	ENSG00000242221	2.330169255	0.024347039	up-regulated gene
PABPC1L	ENSG00000101104	2.329230644	3.20762E-17	up-regulated gene
LINC01096	ENSG00000246095	2.328753521	2.05331E-05	up-regulated gene
GNG4	ENSG00000168243	2.328547652	2.83364E-05	up-regulated gene
TBC1D3P1	ENSG00000238283	2.328438739	0.001214714	up-regulated gene
AC022613.1	ENSG00000256802	2.328077545	9.9062E-05	up-regulated gene
BNIP3P33	ENSG00000268717	2.32793437	0.135801336	up-regulated gene
HOXC-AS1	ENSG00000250451	2.32734164	5.07046E-05	up-regulated gene
AP001271.2	ENSG00000279459	2.326917718	2.06444E-05	up-regulated gene
AL671883.1	ENSG00000229836	2.32671071	0.001148793	up-regulated gene
LINC02163	ENSG00000251026	2.326629739	1.62164E-05	up-regulated gene
POLQ	ENSG00000051341	2.326349716	2.05051E-24	up-regulated gene
AL355796.1	ENSG00000220154	2.32575417	0.001577302	up-regulated gene
COL7A1	ENSG00000114270	2.324644792	2.45953E-10	up-regulated gene
POLD2P1	ENSG00000213730	2.324612107	0.000116975	up-regulated gene
CASP5	ENSG00000137757	2.32454659	1.45413E-05	up-regulated gene
AADACP1	ENSG00000240602	2.324165084	0.000591211	up-regulated gene
LUNAR1	ENSG00000278090	2.322646229	1.08766E-06	up-regulated gene
LINC02042	ENSG00000240893	2.322246185	0.002005128	up-regulated gene
IGF2BP2	ENSG00000073792	2.321523185	6.92902E-07	up-regulated gene
GJB7	ENSG00000164411	2.321509312	9.11149E-08	up-regulated gene
DKK2	ENSG00000155011	2.321483822	6.54873E-08	up-regulated gene
TMEM270	ENSG00000175877	2.318886529	1.81732E-06	up-regulated gene
AC112206.3	ENSG00000249721	2.318546961	0.000941389	up-regulated gene
SPEM2	ENSG00000184560	2.31821981	0.005147268	up-regulated gene
H4C4	ENSG00000277157	2.318024572	5.09909E-09	up-regulated gene
GAL3ST3	ENSG00000175229	2.317803376	0.003366648	up-regulated gene
DDX11L8	ENSG00000256263	2.317248327	0.001742784	up-regulated gene
AC019183.1	ENSG00000266450	2.317157468	0.003047084	up-regulated gene
AC023232.1	ENSG00000254780	2.31685877	0.002753815	up-regulated gene
ZNF492	ENSG00000229676	2.315847959	6.5889E-05	up-regulated gene
LINC00482	ENSG00000185168	2.315751868	8.23549E-06	up-regulated gene
TDO2	ENSG00000151790	2.315321596	2.68906E-10	up-regulated gene
MTRFR2P2	ENSG00000235647	2.315203925	0.037891354	up-regulated gene
GRAMD2A	ENSG00000175318	2.315183018	1.14091E-06	up-regulated gene
AP000302.1	ENSG00000231355	2.314856064	0.000313271	up-regulated gene
LBX2	ENSG00000179528	2.314104055	1.05631E-19	up-regulated gene
AC004980.4	ENSG00000250778	2.313232683	0.006018715	up-regulated gene
KCNJ6	ENSG00000157542	2.312771301	1.06039E-05	up-regulated gene
AP005262.1	ENSG00000266602	2.312594819	0.0009883	up-regulated gene
IGHV2-70D	ENSG00000211974	2.31225783	0.004354408	up-regulated gene
AL354714.1	ENSG00000198358	2.311123893	0.001559976	up-regulated gene
AL139130.1	ENSG00000237390	2.310709503	0.000121465	up-regulated gene
MARCHF10	ENSG00000173838	2.309328499	2.42255E-09	up-regulated gene
NAT8	ENSG00000144035	2.309140738	5.92831E-05	up-regulated gene

AC009121.3	ENSG00000262703	2.308990018	1.62852E-09	up-regulated gene
CDCA8	ENSG00000134690	2.308533472	1.43748E-25	up-regulated gene
SLC47A2	ENSG00000180638	2.307980493	2.20767E-05	up-regulated gene
CPHL1P	ENSG00000240216	2.30751512	2.38875E-05	up-regulated gene
H2AP	ENSG00000187516	2.306931921	0.059969508	up-regulated gene
LINC01356	ENSG00000215866	2.306162572	2.79353E-05	up-regulated gene
AC108681.1	ENSG00000224049	2.306061138	5.90605E-05	up-regulated gene
AC007314.1	ENSG00000234818	2.30495281	3.74623E-05	up-regulated gene
LINC02393	ENSG00000256597	2.304721773	0.055498619	up-regulated gene
AL050404.1	ENSG00000232358	2.303985971	0.007167184	up-regulated gene
CDK5R2	ENSG00000171450	2.303908717	0.000151147	up-regulated gene
SEPTIN3	ENSG00000100167	2.303472127	2.96049E-07	up-regulated gene
AP003174.1	ENSG00000255689	2.303072777	0.029192459	up-regulated gene
AKAP8P1	ENSG00000234146	2.302658868	0.004658163	up-regulated gene
AC126365.1	ENSG00000264215	2.302503032	0.000312564	up-regulated gene
AL132655.2	ENSG00000268649	2.302281525	0.000118239	up-regulated gene
SLC35D3	ENSG00000182747	2.301502822	0.000211691	up-regulated gene
AC243772.2	ENSG00000233030	2.301197558	3.20459E-11	up-regulated gene
MIR6859-1	ENSG00000278267	2.30073297	4.32664E-05	up-regulated gene
AC009065.1	ENSG00000259780	2.300372553	1.11846E-05	up-regulated gene
HP	ENSG00000257017	2.298492592	0.000988906	up-regulated gene
LRRC37A9P	ENSG00000271013	2.297631687	2.42333E-06	up-regulated gene
LINC02438	ENSG00000248238	2.296226361	0.006834182	up-regulated gene
AC126178.1	ENSG00000257194	2.295895809	4.69757E-06	up-regulated gene
DLX1	ENSG00000144355	2.295858534	3.38891E-05	up-regulated gene
AL161668.4	ENSG00000258604	2.295350245	0.00016981	up-regulated gene
KLK13	ENSG00000167759	2.295080633	0.002326852	up-regulated gene
LSAMP-AS1	ENSG00000240922	2.294942401	0.001196025	up-regulated gene
AL359878.2	ENSG00000229869	2.294687761	4.06897E-06	up-regulated gene
OLFM3	ENSG00000118733	2.294500253	0.044145841	up-regulated gene
IGKV2OR2-1	ENSG00000270748	2.294151707	0.002757478	up-regulated gene
LAMP5	ENSG00000125869	2.29404693	2.63987E-06	up-regulated gene
LINC02141	ENSG00000261807	2.292285264	0.053651463	up-regulated gene
AL591212.1	ENSG00000234019	2.291910982	0.000534422	up-regulated gene
AL512324.3	ENSG00000278531	2.291101295	0.021702355	up-regulated gene
ZNF725P	ENSG00000268100	2.290611296	0.03752395	up-regulated gene
OR9K1P	ENSG00000196534	2.290556193	0.006396212	up-regulated gene
SCAT2	ENSG00000257596	2.289875474	2.17923E-18	up-regulated gene
AC068473.4	ENSG00000267409	2.288905566	0.002388721	up-regulated gene
TMEM63C	ENSG00000165548	2.288142166	1.11823E-05	up-regulated gene
AC022164.1	ENSG00000260695	2.287874291	0.013232082	up-regulated gene
CDK1	ENSG00000170312	2.287630636	6.54142E-28	up-regulated gene
U8	ENSG00000238840	2.287568874	0.000553963	up-regulated gene
H2BW1	ENSG00000123569	2.287440565	0.002302698	up-regulated gene
IZUMO2	ENSG00000161652	2.286732097	0.007700326	up-regulated gene
AP001547.1	ENSG00000254885	2.286378168	0.03835605	up-regulated gene
KRT41P	ENSG00000225438	2.285591745	0.010843129	up-regulated gene
AC011511.3	ENSG00000267105	2.284749164	0.00022943	up-regulated gene
HTR1E	ENSG00000168830	2.284666246	0.02284472	up-regulated gene

LINC01271	ENSG00000233077	2.284592145	8.83184E-08	up-regulated gene
RPL5P13	ENSG00000242134	2.28251021	0.001261574	up-regulated gene
AC245047.8	ENSG00000241207	2.282476156	0.042372327	up-regulated gene
HOXB8	ENSG00000120068	2.281947951	4.53988E-06	up-regulated gene
DRD5	ENSG00000169676	2.281089542	0.001400357	up-regulated gene
AC090673.1	ENSG00000256083	2.280497974	0.024516379	up-regulated gene
FAM230I	ENSG00000178248	2.280444366	0.025181146	up-regulated gene
AL355472.2	ENSG00000236358	2.279836924	0.000313631	up-regulated gene
TRAV33	ENSG00000258812	2.279308805	0.025044979	up-regulated gene
AL772337.1	ENSG00000214888	2.279297032	0.003929509	up-regulated gene
AC099487.1	ENSG00000247402	2.279286848	0.000424006	up-regulated gene
AC016735.1	ENSG00000224739	2.278048927	3.17736E-05	up-regulated gene
INSL6	ENSG00000120210	2.277901291	0.0092409	up-regulated gene
AC011447.3	ENSG00000267383	2.277582083	3.34684E-09	up-regulated gene
TAS2R2P	ENSG00000203523	2.277408248	4.95734E-06	up-regulated gene
AC108066.1	ENSG00000223373	2.275770256	0.010235048	up-regulated gene
SST	ENSG00000157005	2.275537346	0.033373005	up-regulated gene
SYT12	ENSG00000173227	2.275408999	3.39811E-06	up-regulated gene
Y_RNA	ENSG00000207148	2.275046521	0.122815206	up-regulated gene
CXCR2P1	ENSG00000229754	2.275002051	6.46985E-05	up-regulated gene
AC007406.3	ENSG00000256540	2.274776484	1.52933E-08	up-regulated gene
FANCD2OS	ENSG00000163705	2.274728033	2.26793E-06	up-regulated gene
ACTBP13	ENSG00000234667	2.27443123	0.001270941	up-regulated gene
AC020633.1	ENSG00000240890	2.273540211	0.000428334	up-regulated gene
AC008708.2	ENSG00000254187	2.271160938	0.051189766	up-regulated gene
NEUROG2-AS1	ENSG00000249509	2.27089238	0.014097658	up-regulated gene
ONECUT2	ENSG00000119547	2.270398386	3.6354E-05	up-regulated gene
NEK2	ENSG00000117650	2.269971413	7.67033E-22	up-regulated gene
AC092490.1	ENSG00000249790	2.269833248	0.000861133	up-regulated gene
DLX2	ENSG00000115844	2.269032166	7.48691E-05	up-regulated gene
KIF4A	ENSG00000090889	2.267962321	8.13126E-23	up-regulated gene
AC239584.1	ENSG00000249942	2.266822129	0.02186898	up-regulated gene
CERNA3	ENSG00000253603	2.26598199	0.000236928	up-regulated gene
AC009292.1	ENSG00000245719	2.265832766	0.001236705	up-regulated gene
NPIPB15	ENSG00000196436	2.265428861	6.21171E-06	up-regulated gene
AC011503.2	ENSG00000269397	2.264880154	1.81491E-13	up-regulated gene
CFAP299	ENSG00000197826	2.263838911	5.6375E-05	up-regulated gene
TMEM52	ENSG00000178821	2.263493716	5.18435E-09	up-regulated gene
AC068134.2	ENSG00000237087	2.263489236	0.02178212	up-regulated gene
SNRPGP9	ENSG00000228551	2.262591138	1.18752E-08	up-regulated gene
AC125611.2	ENSG00000257954	2.262432927	4.32217E-07	up-regulated gene
AC007923.1	ENSG00000263567	2.262284548	0.028941149	up-regulated gene
AC091729.2	ENSG00000226291	2.261610189	0.000143823	up-regulated gene
AC009081.1	ENSG00000261310	2.261574944	0.061115004	up-regulated gene
LINC00487	ENSG00000205837	2.261562134	5.30665E-06	up-regulated gene
C15orf48	ENSG00000166920	2.260794981	3.51818E-07	up-regulated gene
AC091153.2	ENSG00000235085	2.259814201	0.000129578	up-regulated gene
LKAAEAR1	ENSG00000171695	2.259740417	6.57656E-05	up-regulated gene
LIN28B-AS1	ENSG00000203809	2.258505703	0.074499907	up-regulated gene

SGO1	ENSG00000129810	2.258088236	1.28319E-21	up-regulated gene
AL591848.2	ENSG00000235021	2.258007636	3.0029E-05	up-regulated gene
AC018904.2	ENSG00000259476	2.257650082	0.000799771	up-regulated gene
MRPL23-AS1	ENSG00000226416	2.257363141	0.001425997	up-regulated gene
COX4I1P2	ENSG00000228869	2.256751509	5.33855E-05	up-regulated gene
PAX2	ENSG00000075891	2.255405923	0.00443934	up-regulated gene
DNAJB6P8	ENSG00000264529	2.255349432	0.001376541	up-regulated gene
RPL29P19	ENSG00000224594	2.255083501	3.08404E-06	up-regulated gene
DDX43P3	ENSG00000230196	2.254732193	0.148312731	up-regulated gene
AP000697.1	ENSG00000224269	2.252283499	6.65762E-05	up-regulated gene
RAD54L	ENSG00000085999	2.252200995	7.62518E-24	up-regulated gene
LCE1B	ENSG00000196734	2.251154603	0.036863661	up-regulated gene
FAM96AP2	ENSG00000224566	2.249501654	5.66829E-06	up-regulated gene
GLP1R	ENSG00000112164	2.249457798	0.000559101	up-regulated gene
AC079354.1	ENSG00000231903	2.249128649	2.93136E-05	up-regulated gene
RNF2P1	ENSG00000231381	2.248989617	0.001187983	up-regulated gene
NAV2-AS2	ENSG00000254453	2.248633451	0.001502203	up-regulated gene
PRSS33	ENSG00000103355	2.247253895	0.004443187	up-regulated gene
RPS26P45	ENSG00000241765	2.246954127	0.000626293	up-regulated gene
B3GNT4	ENSG00000176383	2.24670582	2.46274E-12	up-regulated gene
SYCP2	ENSG00000196074	2.245772867	6.43465E-09	up-regulated gene
ADGRG7	ENSG00000144820	2.245727042	0.00213994	up-regulated gene
UGT3A1	ENSG00000145626	2.24572114	0.045028297	up-regulated gene
RARRES1	ENSG00000118849	2.245124267	2.18227E-05	up-regulated gene
AL161669.3	ENSG00000278071	2.244973934	4.21356E-06	up-regulated gene
RTN4R	ENSG00000040608	2.244625158	1.16027E-13	up-regulated gene
BNIP3P17	ENSG00000271524	2.242530338	6.60736E-08	up-regulated gene
HMMR-AS1	ENSG00000251018	2.239734555	0.000137796	up-regulated gene
CABP7	ENSG00000100314	2.239566313	3.0081E-07	up-regulated gene
RNU6-759P	ENSG00000252549	2.239108314	0.000520154	up-regulated gene
AL096828.3	ENSG00000273821	2.238792348	1.9573E-12	up-regulated gene
AL078605.1	ENSG00000271234	2.236337955	0.000928145	up-regulated gene
NBPF4	ENSG00000196427	2.236310575	0.000640828	up-regulated gene
AC108749.1	ENSG00000239572	2.236262772	0.005514501	up-regulated gene
AC114786.2	ENSG00000250612	2.235356731	0.098857375	up-regulated gene
FLJ42969	ENSG00000248599	2.234738009	0.000176364	up-regulated gene
AC006023.3	ENSG00000273444	2.23424356	0.001154028	up-regulated gene
KRT39	ENSG00000196859	2.234051844	0.001415413	up-regulated gene
ARL14EPL	ENSG00000268223	2.233585413	0.0034253	up-regulated gene
AC244093.2	ENSG00000276810	2.233160842	0.000336897	up-regulated gene
CHRNA3	ENSG00000196811	2.233131537	1.74026E-05	up-regulated gene
MYOM3	ENSG00000142661	2.233121017	1.40553E-07	up-regulated gene
AL161772.1	ENSG00000278291	2.232867144	9.75614E-10	up-regulated gene
ADM2	ENSG00000128165	2.230818128	1.00939E-09	up-regulated gene
SLC25A5P5	ENSG00000226421	2.230539816	1.27547E-08	up-regulated gene
MAPK8IP2	ENSG00000008735	2.230338832	4.39045E-08	up-regulated gene
DRC7	ENSG00000159625	2.230319841	3.52268E-05	up-regulated gene
KIF1A	ENSG00000130294	2.229841208	0.001195195	up-regulated gene
HOXC4	ENSG00000198353	2.229478054	3.37636E-07	up-regulated gene

AL157373.2	ENSG00000229896	2.228999729	5.1188E-06	up-regulated gene
STRIP2	ENSG00000128578	2.228916195	1.18951E-12	up-regulated gene
AC118755.1	ENSG00000262296	2.228577226	0.000464933	up-regulated gene
AC011473.4	ENSG00000269741	2.228506506	0.04804468	up-regulated gene
LEMD1-AS1	ENSG00000226235	2.228140997	0.001033737	up-regulated gene
AC091987.1	ENSG00000253584	2.228083795	0.068841183	up-regulated gene
TH	ENSG00000180176	2.227122228	0.000392822	up-regulated gene
AP001178.3	ENSG00000266456	2.226164005	3.3898E-07	up-regulated gene
ASPM	ENSG00000066279	2.225585189	8.133E-17	up-regulated gene
AC022784.6	ENSG00000279949	2.225354802	0.000206214	up-regulated gene
AP003108.5	ENSG00000279878	2.224876869	0.000167065	up-regulated gene
BNC1	ENSG00000169594	2.224512643	0.009581665	up-regulated gene
LINC00993	ENSG00000235687	2.224435451	0.051972857	up-regulated gene
AATBC	ENSG00000215458	2.224009236	3.33205E-07	up-regulated gene
LINC01522	ENSG00000237423	2.223015392	0.038248773	up-regulated gene
MRPS17P1	ENSG00000268949	2.222959842	3.7786E-05	up-regulated gene
TMEM139	ENSG00000178826	2.221959999	5.41219E-06	up-regulated gene
LINC00336	ENSG00000197251	2.221649073	0.000237631	up-regulated gene
MIA-RAB4B	ENSG00000268975	2.221523701	0.02263828	up-regulated gene
IGLV3-22	ENSG00000211661	2.221455336	0.035471164	up-regulated gene
WASF5P	ENSG00000231402	2.221187393	0.031368575	up-regulated gene
S100G	ENSG00000169906	2.220688208	0.069295271	up-regulated gene
POU6F2-AS2	ENSG00000233854	2.219156954	0.000936977	up-regulated gene
Z99127.2	ENSG00000237249	2.219139415	0.003048356	up-regulated gene
SLC30A2	ENSG00000158014	2.218780295	0.000239891	up-regulated gene
AL360181.1	ENSG00000226699	2.218245163	0.001118594	up-regulated gene
TTK	ENSG00000112742	2.21779351	1.44491E-21	up-regulated gene
AL353693.1	ENSG00000229312	2.2166038	7.71315E-05	up-regulated gene
AC124947.2	ENSG00000257512	2.216272689	1.08432E-10	up-regulated gene
ENKUR	ENSG00000151023	2.216257022	6.42978E-08	up-regulated gene
AL133325.3	ENSG00000278041	2.216066512	0.013714371	up-regulated gene
GUCY1B2	ENSG00000123201	2.215944925	2.50941E-07	up-regulated gene
PLK1	ENSG00000166851	2.215607572	2.77033E-20	up-regulated gene
AC104667.2	ENSG00000234949	2.215513572	3.66316E-08	up-regulated gene
MAST1	ENSG00000105613	2.213748583	8.87231E-10	up-regulated gene
AC026355.4	ENSG00000277241	2.213454738	0.007032532	up-regulated gene
CSH2	ENSG00000213218	2.213432807	0.080995929	up-regulated gene
AC023762.1	ENSG00000271148	2.212408897	0.0262377	up-regulated gene
STK19B	ENSG00000250535	2.21204991	0.005638901	up-regulated gene
AL022334.1	ENSG00000233388	2.211939739	0.003379437	up-regulated gene
PIWIL1	ENSG00000125207	2.210895207	0.00161263	up-regulated gene
PPIAP46	ENSG00000260266	2.210162693	0.000110465	up-regulated gene
LAPTM4A-DT	ENSG00000223734	2.209851027	3.82973E-05	up-regulated gene
AC080129.1	ENSG00000229964	2.209358115	0.058752266	up-regulated gene
CCNE1	ENSG00000105173	2.209287488	4.52122E-16	up-regulated gene
DNMT3B	ENSG00000088305	2.209165126	3.41269E-15	up-regulated gene
PALM3	ENSG00000187867	2.208554852	1.22032E-05	up-regulated gene
AC024937.2	ENSG00000231464	2.208286538	1.08311E-06	up-regulated gene
AC092957.1	ENSG00000243620	2.207754076	0.031484536	up-regulated gene

TM4SF19-AS1	ENSG00000235897	2.207002763	7.94953E-09	up-regulated gene
LINC01048	ENSG00000230390	2.206960786	0.006707856	up-regulated gene
AL359881.1	ENSG00000269978	2.206311672	0.000177102	up-regulated gene
THEG	ENSG00000105549	2.205757944	0.004511872	up-regulated gene
ASNSP3	ENSG00000236554	2.205392022	0.001147804	up-regulated gene
RAMACL	ENSG00000235272	2.205339486	0.000668278	up-regulated gene
AC011816.1	ENSG00000234073	2.204881852	0.003674247	up-regulated gene
AC078788.2	ENSG00000241912	2.204471347	0.00120094	up-regulated gene
TMEM132A	ENSG00000006118	2.202850484	2.66698E-19	up-regulated gene
PGC	ENSG00000096088	2.202697267	0.002486878	up-regulated gene
AC011523.1	ENSG00000267968	2.202336052	0.092055187	up-regulated gene
AC005828.1	ENSG00000226797	2.200660422	0.002382678	up-regulated gene
ERVMER34-1	ENSG00000226887	2.200654552	2.22343E-09	up-regulated gene
NPSR1-AS1	ENSG00000197085	2.199021568	0.000431672	up-regulated gene
AC067930.4	ENSG00000255050	2.198635967	2.15556E-09	up-regulated gene
C10orf67	ENSG00000179133	2.198514211	7.90905E-05	up-regulated gene
MYPN	ENSG00000138347	2.198220388	0.000788339	up-regulated gene
LINC02832	ENSG00000227308	2.197830006	7.06572E-06	up-regulated gene
AC092685.1	ENSG00000232906	2.197707967	0.008061094	up-regulated gene
AC087633.2	ENSG00000277654	2.197669556	0.019381286	up-regulated gene
PI4KAP1	ENSG00000274602	2.19724376	1.01344E-08	up-regulated gene
MS4A5	ENSG00000166930	2.19712516	0.011951682	up-regulated gene
AL512624.2	ENSG00000276888	2.19702283	0.201875268	up-regulated gene
RLN2	ENSG00000107014	2.196790048	5.65266E-07	up-regulated gene
PRELID3BP1	ENSG00000226226	2.19659505	0.021923635	up-regulated gene
LINC00911	ENSG00000259107	2.196492544	0.106598142	up-regulated gene
UGT2B17	ENSG00000197888	2.196277755	0.001947887	up-regulated gene
CPB2	ENSG00000080618	2.195932352	0.000122033	up-regulated gene
SMCP	ENSG00000163206	2.195797478	0.03712433	up-regulated gene
AL035420.3	ENSG00000277235	2.194051924	5.2972E-06	up-regulated gene
CCDC150	ENSG00000144395	2.193675479	1.01379E-19	up-regulated gene
AC105219.1	ENSG00000254548	2.192884721	1.65811E-06	up-regulated gene
H4C13	ENSG00000275126	2.192008058	0.019201938	up-regulated gene
PPIAP52	ENSG00000270606	2.191441937	0.000255149	up-regulated gene
PCSK9	ENSG00000169174	2.191127361	0.000188089	up-regulated gene
AC027281.1	ENSG00000279123	2.191080743	1.83277E-06	up-regulated gene
FOXB1	ENSG00000171956	2.190560805	0.001996674	up-regulated gene
AC092801.1	ENSG00000226876	2.189690523	0.019462493	up-regulated gene
AL138725.1	ENSG00000218976	2.188180179	0.000571871	up-regulated gene
AC120042.2	ENSG00000253121	2.186757893	0.001889573	up-regulated gene
LINC02211	ENSG00000245662	2.186463301	0.009970654	up-regulated gene
CFAP61-AS1	ENSG00000243810	2.186312824	0.00933514	up-regulated gene
AL133215.2	ENSG00000273162	2.186212768	2.94779E-17	up-regulated gene
AC022432.1	ENSG00000268747	2.185331552	0.001016551	up-regulated gene
AL109610.1	ENSG00000225785	2.185290564	0.042757625	up-regulated gene
DCSTAMP	ENSG00000164935	2.185198079	0.000110878	up-regulated gene
KISS1	ENSG00000170498	2.184607841	2.04828E-05	up-regulated gene
AL122008.3	ENSG00000233332	2.183124859	0.053614808	up-regulated gene
CACNA1B	ENSG00000148408	2.18303359	0.000897394	up-regulated gene

AC011453.2	ENSG00000270347	2.182489426	0.043087149	up-regulated gene
AC009097.2	ENSG00000260593	2.181951862	7.03104E-07	up-regulated gene
AC237221.2	ENSG00000280225	2.1819132	0.037647599	up-regulated gene
IDO1	ENSG00000131203	2.181629498	0.000179417	up-regulated gene
LHX3	ENSG00000107187	2.181629106	0.022960068	up-regulated gene
AC112777.1	ENSG00000256663	2.181030184	1.4662E-13	up-regulated gene
AL354707.1	ENSG00000225489	2.180940722	3.20222E-07	up-regulated gene
LINC01090	ENSG00000231689	2.180814913	0.015149467	up-regulated gene
ZWINT	ENSG00000122952	2.180165423	2.06668E-25	up-regulated gene
RUNDC3A-AS1	ENSG00000267750	2.178698733	7.70982E-10	up-regulated gene
SNORA60	ENSG00000199266	2.178292434	1.17224E-09	up-regulated gene
AP000619.3	ENSG00000256254	2.178121928	0.001560006	up-regulated gene
KRT18P65	ENSG00000215807	2.178031854	0.000267896	up-regulated gene
AC012625.1	ENSG00000251361	2.177503392	0.000261153	up-regulated gene
EXO1	ENSG00000174371	2.177035368	4.48523E-18	up-regulated gene
TEX45	ENSG00000198723	2.176489163	5.11804E-06	up-regulated gene
YTHDF1P1	ENSG00000251389	2.176251918	0.003926663	up-regulated gene
GBP7	ENSG00000213512	2.175832566	1.693E-07	up-regulated gene
CTSE	ENSG00000196188	2.175809331	0.001571092	up-regulated gene
MATN3	ENSG00000132031	2.175551326	5.41942E-12	up-regulated gene
AC002401.4	ENSG00000276851	2.175395679	7.14806E-05	up-regulated gene
AC117395.1	ENSG00000242791	2.174750673	2.87723E-06	up-regulated gene
AL034376.1	ENSG00000260673	2.173940485	0.065395168	up-regulated gene
LINC01405	ENSG00000185847	2.173815481	0.029044652	up-regulated gene
AC116025.2	ENSG00000262172	2.173541041	0.000285017	up-regulated gene
AL354685.1	ENSG00000233887	2.173308741	0.326112789	up-regulated gene
AC016885.3	ENSG00000268080	2.172930874	0.061383086	up-regulated gene
CLDN24	ENSG00000185758	2.172255097	0.013927803	up-regulated gene
CPSF1P1	ENSG00000214076	2.172042613	0.00013633	up-regulated gene
LINC02262	ENSG00000224932	2.171398619	0.07265342	up-regulated gene
AC091153.3	ENSG00000244184	2.170744425	2.9455E-10	up-regulated gene
AC090709.1	ENSG00000257191	2.170534327	0.000243901	up-regulated gene
AC111000.2	ENSG00000248763	2.17049738	0.026362858	up-regulated gene
ADGRD2	ENSG00000180264	2.169840371	0.000614038	up-regulated gene
AC069439.2	ENSG00000240033	2.169798666	0.066306925	up-regulated gene
ANKUB1	ENSG00000206199	2.168873864	0.000464818	up-regulated gene
AC004083.1	ENSG00000254180	2.168531436	0.000727141	up-regulated gene
ATP5PBP3	ENSG00000214003	2.168086569	0.025276038	up-regulated gene
SPRR1A	ENSG00000169474	2.167572316	0.000185391	up-regulated gene
SMKR1	ENSG00000240204	2.167143646	1.17333E-07	up-regulated gene
AC141557.2	ENSG00000278635	2.167090984	4.49222E-08	up-regulated gene
CHAC1	ENSG00000128965	2.16691082	6.82482E-14	up-regulated gene
STIL	ENSG00000123473	2.166681823	1.85784E-25	up-regulated gene
TDRKH-AS1	ENSG00000203288	2.165741176	7.06291E-13	up-regulated gene
DEPDC1B	ENSG00000035499	2.165650492	6.28385E-20	up-regulated gene
AL008733.1	ENSG00000226286	2.16555662	0.058121626	up-regulated gene
RNFT2	ENSG00000135119	2.165484267	7.97728E-14	up-regulated gene
U47924.1	ENSG00000271969	2.164951279	1.66212E-07	up-regulated gene
C1QL4	ENSG00000186897	2.164858456	0.000250139	up-regulated gene

AP1B1P1	ENSG00000234479	2.163659426	0.081362789	up-regulated gene
CCDC74BP1	ENSG00000250261	2.163249776	0.012077854	up-regulated gene
CHAT	ENSG00000070748	2.162525106	0.065045968	up-regulated gene
IGHG1	ENSG00000211896	2.162063476	0.000150125	up-regulated gene
FAM111B	ENSG00000189057	2.161582319	1.02919E-14	up-regulated gene
AP003469.2	ENSG00000253395	2.160767234	2.47491E-06	up-regulated gene
AC025176.1	ENSG00000250081	2.159696182	1.22254E-07	up-regulated gene
STK31	ENSG00000196335	2.159037634	1.19983E-10	up-regulated gene
AC114489.2	ENSG00000224409	2.158978982	4.88816E-06	up-regulated gene
CR383658.1	ENSG00000215398	2.158223639	0.053269275	up-regulated gene
RPL26P29	ENSG00000234806	2.157892389	0.000223986	up-regulated gene
AC124067.2	ENSG00000253414	2.157747705	5.31891E-06	up-regulated gene
AC100757.2	ENSG00000274835	2.157496725	0.024743026	up-regulated gene
GPR19	ENSG00000183150	2.157359669	2.14312E-11	up-regulated gene
AURKB	ENSG00000178999	2.157221089	1.02657E-18	up-regulated gene
AC015849.1	ENSG00000270240	2.157208528	1.71815E-05	up-regulated gene
AC113367.3	ENSG00000250405	2.157063903	0.071906223	up-regulated gene
EGLN3-AS1	ENSG00000258897	2.155906997	0.013331996	up-regulated gene
SERPINA11	ENSG00000186910	2.155691879	0.028211749	up-regulated gene
CU104787.1	ENSG00000279973	2.154789611	0.158975811	up-regulated gene
SMIM24	ENSG00000095932	2.154543157	2.76767E-07	up-regulated gene
NAGS	ENSG00000161653	2.154525756	3.40067E-16	up-regulated gene
Y_RNA	ENSG00000199890	2.153751022	0.00084833	up-regulated gene
KRT89P	ENSG00000274928	2.153638395	0.00092836	up-regulated gene
E2F7	ENSG00000165891	2.153370652	1.13389E-13	up-regulated gene
AC008147.4	ENSG00000278842	2.153304082	0.000427707	up-regulated gene
BTG4	ENSG00000137707	2.152977023	0.00577543	up-regulated gene
RAB40AL	ENSG00000102128	2.151770079	6.82469E-05	up-regulated gene
AC078950.1	ENSG00000255790	2.151482077	0.054914316	up-regulated gene
EMSLR	ENSG00000232445	2.151129959	8.29648E-06	up-regulated gene
AC015631.1	ENSG00000251199	2.150971489	0.177642845	up-regulated gene
BNIP3P39	ENSG00000269662	2.150445039	0.001303328	up-regulated gene
AC012645.4	ENSG00000275371	2.149929237	2.24388E-09	up-regulated gene
VAX2	ENSG00000116035	2.14991575	9.22612E-07	up-regulated gene
LINC02331	ENSG00000235269	2.149681307	0.121662976	up-regulated gene
NOS2P3	ENSG00000230528	2.149649369	0.004044453	up-regulated gene
AL132655.1	ENSG00000268333	2.149404141	0.007255059	up-regulated gene
IAPP	ENSG00000121351	2.149291825	0.026745655	up-regulated gene
AC011595.1	ENSG00000257438	2.149080755	0.004068469	up-regulated gene
AC025580.2	ENSG00000259354	2.148482682	4.02487E-08	up-regulated gene
CKAP2L	ENSG00000169607	2.14836048	2.65515E-17	up-regulated gene
CAPSL	ENSG00000152611	2.147964682	0.006294511	up-regulated gene
RPS15AP30	ENSG00000227560	2.147190999	1.54223E-05	up-regulated gene
GNG13	ENSG00000127588	2.146714305	0.000332423	up-regulated gene
CDX1	ENSG00000113722	2.146367769	9.2778E-06	up-regulated gene
LINC00261	ENSG00000259974	2.146334783	0.043878539	up-regulated gene
LINC00051	ENSG00000254008	2.145747407	0.093321562	up-regulated gene
ZNF804B	ENSG00000182348	2.145359435	0.054697244	up-regulated gene
AC006460.1	ENSG00000228509	2.145269187	0.000262086	up-regulated gene

TLE6	ENSG00000104953	2.144688241	4.24629E-07	up-regulated gene
CDC45	ENSG00000093009	2.144641768	3.60408E-20	up-regulated gene
AP000943.1	ENSG00000233536	2.144380702	0.004582133	up-regulated gene
NBEAP1	ENSG00000258590	2.1435789	0.000355428	up-regulated gene
AC055854.1	ENSG00000253125	2.143510952	0.001624323	up-regulated gene
ARL14EPP1	ENSG00000224891	2.143330516	0.000149042	up-regulated gene
AC073358.1	ENSG00000248374	2.142979995	0.036884922	up-regulated gene
NCAPH	ENSG00000121152	2.142285149	2.40663E-20	up-regulated gene
LINC01193	ENSG00000258710	2.14136657	0.148825523	up-regulated gene
SLC25A39P1	ENSG00000226148	2.14130139	0.001934905	up-regulated gene
AC110768.2	ENSG00000250613	2.140976773	0.003797809	up-regulated gene
DDX11L10	ENSG00000233614	2.140525361	0.00040101	up-regulated gene
C11orf86	ENSG00000173237	2.140219388	0.004992839	up-regulated gene
PMPCAP1	ENSG00000248817	2.139660305	0.030227889	up-regulated gene
AL353807.2	ENSG00000232519	2.139006878	8.10585E-06	up-regulated gene
RNASE10	ENSG00000182545	2.138901719	0.000114949	up-regulated gene
SLCO1B3-SLCO1B7	ENSG00000257046	2.138363335	0.072113631	up-regulated gene
AC012073.1	ENSG00000271936	2.138145203	2.44749E-23	up-regulated gene
DOC2A	ENSG00000149927	2.136927978	1.2031E-05	up-regulated gene
SAPCD1	ENSG00000228727	2.136717019	6.88707E-12	up-regulated gene
SNCB	ENSG00000074317	2.13651392	0.000709382	up-regulated gene
AL589740.1	ENSG00000271860	2.136323652	0.049687353	up-regulated gene
AL356417.2	ENSG00000233682	2.135740183	0.000454102	up-regulated gene
AC010947.1	ENSG00000278902	2.135728636	0.035233375	up-regulated gene
HTR2C	ENSG00000147246	2.135685872	0.000160664	up-regulated gene
SLC6A2	ENSG00000103546	2.135555645	0.000383514	up-regulated gene
PCDHA5	ENSG00000204965	2.135497578	0.000785919	up-regulated gene
AL512353.3	ENSG00000237090	2.135359923	0.011831813	up-regulated gene
AL445490.1	ENSG00000225886	2.135309301	4.40825E-05	up-regulated gene
AC138646.1	ENSG00000253659	2.134511115	0.218676396	up-regulated gene
SLC39A5	ENSG00000139540	2.133984669	1.71023E-06	up-regulated gene
ARSFP1	ENSG00000232226	2.133904005	0.036921177	up-regulated gene
DUXAP2	ENSG00000254063	2.133816772	0.014715478	up-regulated gene
NEURL3	ENSG00000163121	2.133568315	1.82768E-05	up-regulated gene
FOXL2NB	ENSG00000206262	2.132869342	0.001543639	up-regulated gene
ZNF252P-AS1	ENSG00000255559	2.132698994	1.73407E-12	up-regulated gene
AC092171.4	ENSG00000272953	2.132454488	3.91845E-13	up-regulated gene
IGSF9	ENSG00000085552	2.132243764	1.78271E-10	up-regulated gene
UBE2Q1-AS1	ENSG00000229780	2.132019366	6.43177E-09	up-regulated gene
RIPPLY3	ENSG00000183145	2.131293828	1.96437E-08	up-regulated gene
KLHL35	ENSG00000149243	2.13041216	1.12203E-10	up-regulated gene
CDCA3	ENSG00000111665	2.129694315	4.06427E-22	up-regulated gene
AC020910.7	ENSG00000279971	2.128775355	0.00152004	up-regulated gene
C10orf62	ENSG00000203942	2.128204033	0.001894934	up-regulated gene
ELDR	ENSG00000280890	2.128092566	0.002397434	up-regulated gene
NT5CP2	ENSG00000258408	2.127820644	0.01050398	up-regulated gene
AC136475.3	ENSG00000255026	2.12731143	5.37427E-06	up-regulated gene
DNAJC17P1	ENSG00000235218	2.127143465	0.093817302	up-regulated gene
U82695.1	ENSG00000224963	2.127139092	0.001058163	up-regulated gene

MIR1302-3	ENSG00000221055	2.126709592	0.000317296	up-regulated gene
RSAD2	ENSG00000134321	2.126157412	2.97921E-07	up-regulated gene
AC099066.1	ENSG00000226349	2.125619037	0.001178744	up-regulated gene
GIP	ENSG00000159224	2.125454449	0.003753701	up-regulated gene
DNASE2B	ENSG00000137976	2.125325251	0.000238967	up-regulated gene
AC008121.2	ENSG00000274156	2.125222481	0.000117491	up-regulated gene
AP000561.1	ENSG00000226043	2.124646763	0.041801404	up-regulated gene
FBXW12	ENSG00000164049	2.123627133	2.09309E-06	up-regulated gene
AC026464.5	ENSG00000261527	2.12342486	0.003921052	up-regulated gene
AP000695.1	ENSG00000230479	2.123184564	8.29681E-09	up-regulated gene
AC008105.1	ENSG00000233175	2.122255653	7.35759E-14	up-regulated gene
IYD	ENSG00000009765	2.121348948	0.000323376	up-regulated gene
LINC01141	ENSG00000236963	2.121183851	0.000276117	up-regulated gene
PES1P1	ENSG00000248191	2.120747163	0.123469752	up-regulated gene
IGFBP1	ENSG00000146678	2.120739216	0.000171157	up-regulated gene
OR10Y1P	ENSG00000254403	2.120630295	0.079436394	up-regulated gene
AP001208.1	ENSG00000254084	2.120493699	0.001177764	up-regulated gene
PSG11	ENSG00000243130	2.120246441	0.13156872	up-regulated gene
AC078860.2	ENSG00000257761	2.119931314	0.003573289	up-regulated gene
ABCA4	ENSG00000198691	2.119741054	4.09208E-05	up-regulated gene
RPL23AP11	ENSG00000230988	2.119528236	0.015579595	up-regulated gene
PLAU	ENSG00000122861	2.119220824	1.15689E-09	up-regulated gene
FOXN4	ENSG00000139445	2.11909012	0.009905956	up-regulated gene
TUBB8	ENSG00000261456	2.118867116	1.42111E-06	up-regulated gene
LINC00337	ENSG00000225077	2.118218781	1.49483E-10	up-regulated gene
OR1J4	ENSG00000239590	2.118170087	0.001610961	up-regulated gene
TAGLN3	ENSG00000144834	2.116652916	0.000515478	up-regulated gene
FMO7P	ENSG00000230231	2.116370068	0.004084003	up-regulated gene
BX005019.1	ENSG00000259946	2.11614711	0.105039245	up-regulated gene
CASKIN1	ENSG00000167971	2.116126339	2.82434E-06	up-regulated gene
WFDC21P	ENSG00000261040	2.115715163	0.00011367	up-regulated gene
LINC01460	ENSG00000205334	2.115343053	0.000279071	up-regulated gene
PIMREG	ENSG00000129195	2.11517799	4.00525E-14	up-regulated gene
AC130456.1	ENSG00000259871	2.1145069	0.005477572	up-regulated gene
AC114488.1	ENSG00000229167	2.114094784	1.1189E-07	up-regulated gene
PLPPR3	ENSG00000129951	2.112991476	0.000651399	up-regulated gene
AC009148.1	ENSG00000260495	2.112703688	6.41761E-11	up-regulated gene
AL359378.1	ENSG00000234763	2.112630666	0.021479944	up-regulated gene
AC008739.5	ENSG00000279404	2.11258222	0.001764067	up-regulated gene
AP000350.2	ENSG00000225282	2.111398575	4.40088E-05	up-regulated gene
PAX8	ENSG00000125618	2.111374426	7.82578E-07	up-regulated gene
HS3ST3A1	ENSG00000153976	2.111264679	0.000257791	up-regulated gene
RPL7P42	ENSG00000241825	2.110458041	0.00315057	up-regulated gene
TOP3BP1	ENSG00000228050	2.109330854	0.002733439	up-regulated gene
APLN	ENSG00000171388	2.109072478	3.21984E-08	up-regulated gene
CNIH2	ENSG00000174871	2.108874804	1.1304E-08	up-regulated gene
SCGB1A1	ENSG00000149021	2.10831504	0.044833742	up-regulated gene
ELOA2	ENSG00000206181	2.108005503	0.003152278	up-regulated gene
AL008721.1	ENSG00000272798	2.107451211	0.015668651	up-regulated gene

CGA	ENSG00000135346	2.107310078	0.010947899	up-regulated gene
AC124067.3	ENSG00000254111	2.107209136	0.078743146	up-regulated gene
HAP1	ENSG00000173805	2.106753399	9.13708E-07	up-regulated gene
RHPN1	ENSG00000158106	2.106724608	1.26671E-10	up-regulated gene
AC131902.2	ENSG00000274295	2.106073021	0.001574353	up-regulated gene
AL354674.1	ENSG00000266505	2.106058717	0.025933869	up-regulated gene
AL137802.2	ENSG00000261135	2.105591371	4.39188E-08	up-regulated gene
HNRNPA1P33	ENSG00000213412	2.105048516	2.08369E-05	up-regulated gene
SKA3	ENSG00000165480	2.10445789	1.66203E-22	up-regulated gene
AC104687.2	ENSG00000270244	2.103203599	2.77134E-05	up-regulated gene
AC027287.1	ENSG00000257350	2.102870157	0.04278745	up-regulated gene
PAQR4	ENSG00000162073	2.10270338	4.23085E-18	up-regulated gene
CLC	ENSG00000105205	2.10181931	0.003627393	up-regulated gene
RAPGEF4-AS1	ENSG00000228016	2.100833613	0.002293425	up-regulated gene
RECQL4	ENSG00000160957	2.100311843	6.38559E-22	up-regulated gene
DNASE1L2	ENSG00000167968	2.099867288	5.03106E-11	up-regulated gene
SPACA6P-AS	ENSG00000269959	2.099684811	2.95187E-07	up-regulated gene
LINC01843	ENSG00000251169	2.099401145	0.000378264	up-regulated gene
C7orf69	ENSG00000136275	2.099260696	0.01815738	up-regulated gene
PSORS1C3	ENSG00000204528	2.099141457	0.000150638	up-regulated gene
PRB2	ENSG00000121335	2.097068826	0.01348656	up-regulated gene
MYCNUT	ENSG00000223850	2.096995759	0.019947533	up-regulated gene
AC003092.1	ENSG00000236453	2.096724158	0.025287731	up-regulated gene
AC124319.1	ENSG00000262979	2.096321156	5.27306E-08	up-regulated gene
LINC02301	ENSG00000258743	2.096267638	0.042352893	up-regulated gene
MAP7D2	ENSG00000184368	2.095800453	4.81829E-05	up-regulated gene
AP001330.1	ENSG00000253282	2.095701557	0.036752565	up-regulated gene
AC008663.1	ENSG00000253768	2.095582219	0.035888487	up-regulated gene
F2	ENSG00000180210	2.095490826	0.001594247	up-regulated gene
PGBD4P8	ENSG00000229332	2.09547151	0.307853406	up-regulated gene
SSX3	ENSG00000165584	2.095352653	0.223127214	up-regulated gene
AC007603.1	ENSG00000261751	2.094897924	0.034392065	up-regulated gene
LINC02022	ENSG00000232746	2.094860435	0.118162025	up-regulated gene
SLC38A4	ENSG00000139209	2.094851877	0.000711522	up-regulated gene
CDT1	ENSG00000167513	2.094806508	5.5382E-19	up-regulated gene
C19orf84	ENSG00000262874	2.094666271	4.45166E-05	up-regulated gene
UPK2	ENSG00000110375	2.094220365	0.000495235	up-regulated gene
AL109923.1	ENSG00000277558	2.094038833	0.000360148	up-regulated gene
ABCA9-AS1	ENSG00000231749	2.093313976	0.001865041	up-regulated gene
HMGB1P15	ENSG00000238190	2.092727475	0.047340821	up-regulated gene
CNTN5	ENSG00000149972	2.09253903	0.001902562	up-regulated gene
S1PR5	ENSG00000180739	2.092126529	6.33765E-09	up-regulated gene
CDC25C	ENSG00000158402	2.092050913	1.70856E-20	up-regulated gene
AC010894.2	ENSG00000236449	2.091799251	0.00010322	up-regulated gene
AL133255.1	ENSG00000272312	2.091593585	0.000156324	up-regulated gene
AL158819.1	ENSG00000232765	2.091535039	0.10810705	up-regulated gene
PRSS21	ENSG00000007038	2.091278221	0.001828805	up-regulated gene
PODXL2	ENSG00000114631	2.091161076	9.63778E-10	up-regulated gene
G3BP1P1	ENSG00000235651	2.090852858	1.3852E-05	up-regulated gene

AC019129.2	ENSG00000273106	2.09074321	0.000388221	up-regulated gene
FAM72A	ENSG00000196550	2.090503935	2.88519E-19	up-regulated gene
RPS12P20	ENSG00000244134	2.090222771	0.001200995	up-regulated gene
CLEC12B	ENSG00000256660	2.089228826	0.000516338	up-regulated gene
ORC1	ENSG00000085840	2.088569548	1.65018E-19	up-regulated gene
C20orf144	ENSG00000149609	2.087777708	6.6112E-15	up-regulated gene
STPG3	ENSG00000197768	2.087220154	8.98258E-07	up-regulated gene
AC128685.1	ENSG00000241168	2.086538834	0.129985733	up-regulated gene
H3C1	ENSG00000275714	2.086162299	2.45301E-05	up-regulated gene
AC074389.2	ENSG00000231476	2.086023492	0.115207315	up-regulated gene
AC005089.1	ENSG00000274080	2.08560557	0.001284355	up-regulated gene
NTS	ENSG00000133636	2.085537608	0.001829988	up-regulated gene
RNU7-75P	ENSG00000251880	2.084795572	0.001136952	up-regulated gene
MRLN	ENSG00000227877	2.084446545	0.009094487	up-regulated gene
ELF2P4	ENSG00000225406	2.084342738	0.003112791	up-regulated gene
CLDN2	ENSG00000165376	2.084173375	9.58142E-07	up-regulated gene
RNVU1-25	ENSG00000274428	2.083581167	0.015206963	up-regulated gene
IGKV1-13	ENSG00000253497	2.083573176	0.023888668	up-regulated gene
MT1G	ENSG00000125144	2.08312598	9.20089E-06	up-regulated gene
LINC02014	ENSG00000248243	2.082319435	1.79955E-08	up-regulated gene
AC073573.1	ENSG00000257808	2.081836128	0.000284553	up-regulated gene
MIR4666A	ENSG00000266174	2.081648537	0.002739466	up-regulated gene
SPAG5	ENSG00000076382	2.081398147	2.37412E-23	up-regulated gene
AC116348.1	ENSG00000260487	2.081184493	0.000658604	up-regulated gene
AC020658.4	ENSG00000273786	2.081177907	1.33278E-05	up-regulated gene
HBQ1	ENSG00000086506	2.081076973	0.002041647	up-regulated gene
IFI27	ENSG00000165949	2.081076614	7.64915E-07	up-regulated gene
TRIP13	ENSG00000071539	2.080864558	1.28208E-15	up-regulated gene
ORC6	ENSG00000091651	2.080702865	2.15029E-21	up-regulated gene
FAM9C	ENSG00000187268	2.080609791	0.046116869	up-regulated gene
AC103996.3	ENSG00000259123	2.080397772	0.129155434	up-regulated gene
LINC02065	ENSG00000248846	2.080209663	0.010683898	up-regulated gene
LINC00543	ENSG00000260704	2.07980281	0.000188638	up-regulated gene
LINC02327	ENSG00000258038	2.079766495	0.065393157	up-regulated gene
AC245884.1	ENSG00000227407	2.079730631	0.000843018	up-regulated gene
UCA1	ENSG00000214049	2.078560388	0.000398618	up-regulated gene
AC020907.1	ENSG00000179066	2.078342893	0.00088698	up-regulated gene
AC118757.1	ENSG00000267627	2.077991575	0.000526891	up-regulated gene
BNIP3P10	ENSG00000270270	2.077484106	1.21479E-05	up-regulated gene
CFAP74	ENSG00000142609	2.077204242	3.76821E-06	up-regulated gene
MCM10	ENSG00000065328	2.076459377	3.80323E-16	up-regulated gene
CBX2	ENSG00000173894	2.076285386	2.2162E-09	up-regulated gene
AC106865.1	ENSG00000250771	2.076193634	5.15729E-05	up-regulated gene
NPW	ENSG00000183971	2.075752691	9.27719E-06	up-regulated gene
HOXB-AS4	ENSG00000242207	2.07565619	0.000292903	up-regulated gene
RNU6-583P	ENSG00000251821	2.07495457	0.000405906	up-regulated gene
FANCA	ENSG00000187741	2.074893938	7.80984E-25	up-regulated gene
LINC00351	ENSG00000226317	2.074750194	0.165253454	up-regulated gene
ZMYND10	ENSG00000004838	2.074081514	6.44922E-08	up-regulated gene

KIF18A	ENSG00000121621	2.073779362	1.57093E-17	up-regulated gene
TMSB15A	ENSG00000158164	2.0735475	2.13921E-05	up-regulated gene
AC139103.1	ENSG00000255000	2.072978686	0.004581217	up-regulated gene
LINC01363	ENSG00000231605	2.072765225	0.011043291	up-regulated gene
KRT71	ENSG00000139648	2.072091484	0.005002738	up-regulated gene
RXFP3	ENSG00000182631	2.071976134	0.010092985	up-regulated gene
THORLNC	ENSG00000226856	2.071723884	5.62997E-08	up-regulated gene
AC103563.3	ENSG00000231331	2.071372785	0.008158452	up-regulated gene
MUC22	ENSG00000261272	2.070765782	0.010196939	up-regulated gene
MESP1	ENSG00000166823	2.069848614	6.14055E-05	up-regulated gene
LRR1Q4	ENSG00000188306	2.06953587	9.15176E-06	up-regulated gene
RBMV2EP	ENSG00000223637	2.069331971	0.290967429	up-regulated gene
LINC02466	ENSG00000246876	2.069067349	0.003146595	up-regulated gene
SKA1	ENSG00000154839	2.067884684	4.14874E-19	up-regulated gene
AL133153.1	ENSG00000258446	2.067847958	9.66763E-05	up-regulated gene
IRS3P	ENSG00000184414	2.067340215	6.9081E-05	up-regulated gene
LHFPL5	ENSG00000197753	2.067288615	0.00037486	up-regulated gene
RDH16	ENSG00000139547	2.066967558	3.31539E-07	up-regulated gene
CNGB3	ENSG00000170289	2.06664152	8.52428E-10	up-regulated gene
CYP3A43	ENSG00000021461	2.066158737	0.000619553	up-regulated gene
AL353708.3	ENSG00000272906	2.066040422	1.16373E-14	up-regulated gene
AL157778.1	ENSG00000281566	2.065884877	0.022960285	up-regulated gene
AC009533.2	ENSG00000255753	2.065852612	6.93551E-05	up-regulated gene
NEUROD1	ENSG00000162992	2.06349884	0.118327386	up-regulated gene
INA	ENSG00000148798	2.062896623	0.000180324	up-regulated gene
AL022100.1	ENSG00000227722	2.0627842	0.012103711	up-regulated gene
SIM2	ENSG00000159263	2.062776835	1.9617E-11	up-regulated gene
AP000790.2	ENSG00000255331	2.062627921	0.072163154	up-regulated gene
SEMG1	ENSG00000124233	2.062361596	0.020519002	up-regulated gene
PRSS8	ENSG00000052344	2.062262071	1.37975E-08	up-regulated gene
AC011511.4	ENSG00000267303	2.061686086	6.09796E-05	up-regulated gene
AL645608.8	ENSG00000273443	2.061347081	8.66603E-06	up-regulated gene
AL160408.4	ENSG00000241475	2.060793955	0.003851676	up-regulated gene
GYG2P1	ENSG00000206159	2.060671475	0.013482959	up-regulated gene
SPINK6	ENSG00000178172	2.06049439	0.012396622	up-regulated gene
VSTM2B	ENSG00000187135	2.060083258	0.197034874	up-regulated gene
AL512604.2	ENSG00000233242	2.060082957	0.001812313	up-regulated gene
GJA3	ENSG00000121743	2.060043159	8.9405E-05	up-regulated gene
GABRQ	ENSG00000268089	2.059708906	0.000524435	up-regulated gene
CYP3A4	ENSG00000160868	2.059140197	0.000481592	up-regulated gene
NKX2-3	ENSG00000119919	2.059091642	0.011579177	up-regulated gene
CCDC194	ENSG00000269720	2.059037584	6.0929E-05	up-regulated gene
LINC00501	ENSG00000203645	2.058600269	0.00336498	up-regulated gene
AC017076.1	ENSG00000271947	2.058547524	7.97148E-06	up-regulated gene
KRT6A	ENSG00000205420	2.058543235	0.008595725	up-regulated gene
ASF1B	ENSG00000105011	2.058232967	3.20461E-22	up-regulated gene
CDCA2	ENSG00000184661	2.057915195	5.1569E-17	up-regulated gene
AGGF1P3	ENSG00000241532	2.057820798	0.007400731	up-regulated gene
AL162511.1	ENSG00000258844	2.05720518	0.046737013	up-regulated gene

IL36A	ENSG00000136694	2.056662881	0.120733321	up-regulated gene
F9	ENSG00000101981	2.056660703	0.287086454	up-regulated gene
HPDL	ENSG00000186603	2.056201721	5.17687E-06	up-regulated gene
AL591767.3	ENSG00000259155	2.055762259	0.000730913	up-regulated gene
LINC01795	ENSG00000225226	2.055381054	0.184438697	up-regulated gene
OR7E126P	ENSG00000254593	2.055060263	4.977E-09	up-regulated gene
FABP6	ENSG00000170231	2.054795087	3.95417E-05	up-regulated gene
AC005391.1	ENSG00000275162	2.054714931	0.00355412	up-regulated gene
BOLL	ENSG00000152430	2.054559133	0.000426688	up-regulated gene
HMGN1P16	ENSG00000249503	2.05421367	0.017853419	up-regulated gene
CD164L2	ENSG00000174950	2.054058247	9.79784E-07	up-regulated gene
AL096803.2	ENSG00000233196	2.054040138	0.000368356	up-regulated gene
AC097063.1	ENSG00000224570	2.053836863	0.007156542	up-regulated gene
GAPDHP62	ENSG00000251013	2.053739082	3.46263E-06	up-regulated gene
OR8Q1P	ENSG00000255341	2.053415936	0.069903358	up-regulated gene
AVP	ENSG00000101200	2.051675946	0.035710883	up-regulated gene
AC011487.4	ENSG00000274892	2.050847407	0.004245412	up-regulated gene
CCK	ENSG00000187094	2.05084178	0.001327172	up-regulated gene
ELOVL3	ENSG00000119915	2.050505967	2.56485E-06	up-regulated gene
AC006449.3	ENSG00000275665	2.050283022	0.000214398	up-regulated gene
FOXM1	ENSG00000111206	2.049768942	1.84541E-15	up-regulated gene
KLHL6-AS1	ENSG00000242522	2.049573244	0.030736866	up-regulated gene
CLEC5A	ENSG00000258227	2.04923827	1.24587E-07	up-regulated gene
MIR196A1	ENSG00000210741	2.048925381	0.008088003	up-regulated gene
RN7SL706P	ENSG00000244677	2.0481922	0.042252589	up-regulated gene
Y_RNA	ENSG00000200120	2.048164078	0.00393897	up-regulated gene
PSG7	ENSG00000221878	2.047883396	0.174024351	up-regulated gene
AMZ1	ENSG00000174945	2.04736234	1.05198E-05	up-regulated gene
LINC02392	ENSG00000258183	2.047345482	0.004232783	up-regulated gene
AC026310.2	ENSG00000255921	2.046867334	0.008221416	up-regulated gene
APOA5	ENSG00000110243	2.046598416	0.014660376	up-regulated gene
TMEM114	ENSG00000232258	2.045453964	0.035121337	up-regulated gene
IER5L	ENSG00000188483	2.044847291	3.20557E-18	up-regulated gene
LINC01224	ENSG00000269416	2.044010105	0.000153319	up-regulated gene
Y_RNA	ENSG00000252671	2.043976333	0.01540502	up-regulated gene
TPPP2	ENSG00000179636	2.043343238	0.000947177	up-regulated gene
C2orf69P1	ENSG00000261046	2.043103542	0.283783202	up-regulated gene
MCIDAS	ENSG00000234602	2.0420902	2.75524E-09	up-regulated gene
AC126915.2	ENSG00000274813	2.041569669	0.134593366	up-regulated gene
SPEF1	ENSG00000101222	2.041525089	1.36836E-07	up-regulated gene
TESMIN	ENSG00000132749	2.041444191	7.82354E-11	up-regulated gene
ANLN	ENSG00000011426	2.040011243	1.0613E-14	up-regulated gene
KRT43P	ENSG00000236473	2.03987381	0.161595219	up-regulated gene
LINP1	ENSG00000223784	2.039518477	0.002053237	up-regulated gene
HPN	ENSG00000105707	2.03916832	0.000265865	up-regulated gene
AC139792.1	ENSG00000271771	2.039141908	0.003625156	up-regulated gene
AC012668.3	ENSG00000237525	2.038552974	0.048570639	up-regulated gene
Z99129.3	ENSG00000279114	2.03822511	5.74535E-06	up-regulated gene
RPL23AP20	ENSG00000235990	2.037588413	0.001764245	up-regulated gene

AC025678.3	ENSG00000279092	2.037551442	1.87695E-05	up-regulated gene
AC013451.2	ENSG00000258976	2.036789108	0.008118987	up-regulated gene
AC005821.1	ENSG00000265702	2.036344225	5.83977E-05	up-regulated gene
LINC01788	ENSG00000229051	2.036067725	0.033462269	up-regulated gene
SSTR5-AS1	ENSG00000261713	2.035607319	0.023705704	up-regulated gene
SLC6A17	ENSG00000197106	2.035268385	1.90684E-05	up-regulated gene
AL162632.1	ENSG00000257900	2.035235156	0.000518522	up-regulated gene
PCP2	ENSG00000174788	2.035067382	3.02156E-07	up-regulated gene
LINC00237	ENSG00000225127	2.034935797	0.058129923	up-regulated gene
C21orf91-OT1	ENSG00000240770	2.034667552	0.004935817	up-regulated gene
MTFR2	ENSG00000146410	2.034002119	7.95217E-22	up-regulated gene
MIR181A2HG	ENSG00000224020	2.03373785	1.55966E-08	up-regulated gene
AC025811.1	ENSG00000270947	2.033433773	0.162211565	up-regulated gene
PRDM7	ENSG00000126856	2.033424867	0.002047607	up-regulated gene
MMP10	ENSG00000166670	2.033375638	0.001261404	up-regulated gene
KLC3	ENSG00000104892	2.033261611	3.73758E-07	up-regulated gene
CCN4	ENSG00000104415	2.032489275	7.24963E-06	up-regulated gene
SMTNL1	ENSG00000214872	2.032079595	4.65042E-07	up-regulated gene
SP9	ENSG00000217236	2.031834936	0.035147566	up-regulated gene
AC084033.1	ENSG00000257159	2.030802483	0.000569869	up-regulated gene
FZD2	ENSG00000180340	2.030680277	1.03524E-12	up-regulated gene
PANX3	ENSG00000154143	2.030514531	0.039746878	up-regulated gene
MIR2052HG	ENSG00000254349	2.030076042	0.000422287	up-regulated gene
EIF4E2P2	ENSG00000244157	2.030031945	0.031919883	up-regulated gene
DCST1-AS1	ENSG00000232093	2.029667727	5.95288E-15	up-regulated gene
TOP2A	ENSG00000131747	2.029386157	2.155E-16	up-regulated gene
IGLV4-69	ENSG00000211637	2.029186614	0.002519608	up-regulated gene
AC092794.2	ENSG00000275197	2.028777058	0.000288127	up-regulated gene
RPS2P25	ENSG00000241965	2.028626534	0.011245392	up-regulated gene
AL354726.1	ENSG00000236896	2.028453787	0.002085551	up-regulated gene
RNU1-134P	ENSG00000199805	2.027570707	0.001580563	up-regulated gene
CEACAMP10	ENSG00000241104	2.027059335	0.013274896	up-regulated gene
AC017083.1	ENSG00000273064	2.027021095	1.81138E-13	up-regulated gene
IGLVIVOR22-1	ENSG00000271138	2.026638639	0.0143889	up-regulated gene
AC012354.4	ENSG00000276048	2.026512774	0.008511556	up-regulated gene
LINC02405	ENSG00000249345	2.026204797	0.046957338	up-regulated gene
AL160281.1	ENSG00000270575	2.025919282	0.011788351	up-regulated gene
FOXR1	ENSG00000176302	2.025806899	0.008359676	up-regulated gene
CASC17	ENSG00000260785	2.025759774	0.168565122	up-regulated gene
SMCO2	ENSG00000165935	2.0230825	7.9458E-09	up-regulated gene
CCNB2	ENSG00000157456	2.021927678	7.03749E-20	up-regulated gene
NEIL3	ENSG00000109674	2.021627205	1.31538E-10	up-regulated gene
FAM8A2P	ENSG00000254722	2.021388637	0.194554159	up-regulated gene
ABCA13	ENSG00000179869	2.021281151	0.000204242	up-regulated gene
LHB	ENSG00000104826	2.02067925	2.80366E-07	up-regulated gene
LINC01122	ENSG00000233723	2.02061469	0.004124711	up-regulated gene
RPL23AP77	ENSG00000267301	2.020593186	0.002831245	up-regulated gene
KIFC1	ENSG00000237649	2.020112928	4.02953E-19	up-regulated gene
RNU7-123P	ENSG00000251720	2.019680959	0.000148784	up-regulated gene

AL021407.3	ENSG00000218073	2.019274895	1.76829E-05	up-regulated gene
AC012645.2	ENSG00000261367	2.019221766	0.000468916	up-regulated gene
AC073648.3	ENSG00000250804	2.018771549	0.056178811	up-regulated gene
C5orf34-AS1	ENSG00000248554	2.018597753	5.95724E-07	up-regulated gene
AC099850.3	ENSG00000265415	2.018509041	4.58449E-13	up-regulated gene
LINC01152	ENSG00000256124	2.018410078	0.002362474	up-regulated gene
AL138688.1	ENSG00000279065	2.018177792	0.003900724	up-regulated gene
HLA-V	ENSG00000181126	2.017968795	3.60507E-05	up-regulated gene
MAGEA5	ENSG00000242520	2.017916604	0.006096553	up-regulated gene
AUNIP	ENSG00000127423	2.01764603	1.0712E-18	up-regulated gene
DLX4	ENSG00000108813	2.017483065	2.19088E-07	up-regulated gene
RN7SL399P	ENSG00000239542	2.01734847	0.007404006	up-regulated gene
LINC01952	ENSG00000234183	2.017321075	0.000485082	up-regulated gene
CBS	ENSG00000160200	2.017205169	2.81718E-05	up-regulated gene
MYADML2	ENSG00000185105	2.01708769	0.000222117	up-regulated gene
ARHGAP29-AS1	ENSG00000226835	2.017011291	0.026373274	up-regulated gene
DSG4	ENSG00000175065	2.016898396	0.007930353	up-regulated gene
FAM242C	ENSG00000250432	2.016428853	0.000180155	up-regulated gene
DLGAP5	ENSG00000126787	2.016411411	9.20825E-16	up-regulated gene
AL772337.3	ENSG00000234460	2.016151266	0.004781836	up-regulated gene
AC006270.1	ENSG00000264513	2.0151875	1.16559E-05	up-regulated gene
HMMR	ENSG00000072571	2.015023963	9.33272E-17	up-regulated gene
ZNF724	ENSG00000196081	2.014463801	1.65326E-11	up-regulated gene
SLC12A8	ENSG00000221955	2.013752654	4.28132E-13	up-regulated gene
WASIR2	ENSG00000231439	2.013547321	1.94276E-06	up-regulated gene
GGTLC5P	ENSG00000276160	2.012808816	0.061178209	up-regulated gene
TSACC	ENSG00000163467	2.012414106	2.00075E-15	up-regulated gene
LINC01747	ENSG00000230400	2.012297331	0.00034528	up-regulated gene
H4C9	ENSG00000276180	2.012193152	1.05235E-12	up-regulated gene
TDRD5	ENSG00000162782	2.012142773	8.2216E-05	up-regulated gene
COMP	ENSG00000105664	2.011635807	0.000488508	up-regulated gene
SATL1	ENSG00000184788	2.01143982	0.009286556	up-regulated gene
AC068196.1	ENSG00000238171	2.011386957	1.47201E-05	up-regulated gene
LYZL2	ENSG00000151033	2.010887715	0.122417952	up-regulated gene
AP001258.1	ENSG00000255381	2.010843664	0.000799595	up-regulated gene
LINC02783	ENSG00000204362	2.010682433	0.000120631	up-regulated gene
AC015813.2	ENSG00000266086	2.010373606	0.002241085	up-regulated gene
RNU6-800P	ENSG00000207202	2.009088095	0.008377637	up-regulated gene
MST1P2	ENSG00000186301	2.008900434	1.11807E-10	up-regulated gene
TDRG1	ENSG00000204091	2.008867918	0.005275759	up-regulated gene
U95743.1	ENSG00000262267	2.008295232	0.106275761	up-regulated gene
LINC02803	ENSG00000227740	2.008230726	2.98649E-08	up-regulated gene
KRT18P10	ENSG00000214207	2.007779625	5.08993E-08	up-regulated gene
LINC02671	ENSG00000224714	2.006660138	0.069794977	up-regulated gene
ZAR1L	ENSG00000189167	2.005708173	0.000618778	up-regulated gene
LINC01424	ENSG00000236519	2.005657434	1.39758E-09	up-regulated gene
LINC01605	ENSG00000253161	2.003900934	7.53332E-06	up-regulated gene
CCNE2	ENSG00000175305	2.003532625	3.06586E-13	up-regulated gene
AC090826.1	ENSG00000261821	2.003281254	0.000247825	up-regulated gene

KIF14	ENSG00000118193	2.003192788	2.34126E-14	up-regulated gene
RNU6-890P	ENSG00000206848	2.003000029	0.010547376	up-regulated gene
LDHAL6A	ENSG00000166800	2.002838744	0.003075472	up-regulated gene
BRIP1	ENSG00000136492	2.002776188	2.76806E-18	up-regulated gene
GLYCTK-AS1	ENSG00000242797	2.002599691	0.000111569	up-regulated gene
CDC6	ENSG00000094804	2.002288918	1.60697E-21	up-regulated gene
GPR50	ENSG00000102195	2.002124966	0.146021623	up-regulated gene
AC021146.1	ENSG00000198277	2.001821048	0.15365217	up-regulated gene
GPAT2	ENSG00000186281	2.001350468	0.000105967	up-regulated gene
NCAPG	ENSG00000109805	2.001039711	3.08415E-17	up-regulated gene
DANT1	ENSG00000229335	2.000339779	0.275992222	up-regulated gene
IGLV1-41	ENSG00000253818	2.000140857	0.010255214	up-regulated gene
AC026355.3	ENSG00000236385	1.999813325	0.034964273	up-regulated gene
CABP4	ENSG00000175544	1.999015346	3.83163E-07	up-regulated gene
REG3A	ENSG00000172016	1.998254071	0.341938994	up-regulated gene
SLC8A1-AS1	ENSG00000227028	1.997890897	0.000110429	up-regulated gene
LINC01980	ENSG00000225548	1.997276032	0.003863596	up-regulated gene
AP000695.3	ENSG00000279365	1.997060991	2.34354E-07	up-regulated gene
AC087857.1	ENSG00000229642	1.997056678	0.000706965	up-regulated gene
GINS1	ENSG00000101003	1.997040548	3.33834E-22	up-regulated gene
LYPD4	ENSG00000273111	1.996951428	0.021795682	up-regulated gene
UBE2U	ENSG00000177414	1.996690636	0.075155567	up-regulated gene
RPL21P121	ENSG00000237382	1.996617919	0.006092555	up-regulated gene
USP21P1	ENSG00000224826	1.996077645	0.045184865	up-regulated gene
AL136162.1	ENSG00000271888	1.995775768	3.0666E-13	up-regulated gene
TEX41	ENSG00000226674	1.995716304	5.57566E-05	up-regulated gene
LINC02041	ENSG00000228952	1.995192896	7.89605E-05	up-regulated gene
AC004584.3	ENSG00000263120	1.995094174	0.000199786	up-regulated gene
SPATA17	ENSG00000162814	1.994361338	3.80827E-10	up-regulated gene
LINC02073	ENSG00000267452	1.994294509	0.000136493	up-regulated gene
STPG3-AS1	ENSG00000275549	1.994229911	1.86096E-06	up-regulated gene
SLX1A	ENSG00000132207	1.993714665	0.000387047	up-regulated gene
AL031123.2	ENSG00000261211	1.993488198	7.14397E-11	up-regulated gene
SLC39A4	ENSG00000147804	1.993434458	2.52438E-15	up-regulated gene
TREM2	ENSG00000095970	1.992892882	2.23569E-08	up-regulated gene
DISC1FP1	ENSG00000261645	1.992517886	0.003027498	up-regulated gene
AC007750.1	ENSG00000236841	1.992293385	6.66227E-06	up-regulated gene
AL353801.3	ENSG00000273363	1.991895002	1.24251E-06	up-regulated gene
LMNTD2-AS1	ENSG00000254815	1.99179153	7.02774E-08	up-regulated gene
H3P9	ENSG00000227430	1.991519792	0.052111088	up-regulated gene
BUB1B	ENSG00000156970	1.991175794	1.53152E-18	up-regulated gene
LINC02026	ENSG00000214146	1.990769039	2.23246E-05	up-regulated gene
LCE1E	ENSG00000186226	1.990424184	0.014180368	up-regulated gene
OR11H13P	ENSG00000196143	1.988411163	0.019629635	up-regulated gene
AC093019.1	ENSG00000226952	1.988391651	0.002283762	up-regulated gene
AL161729.3	ENSG00000271384	1.987600954	7.77825E-07	up-regulated gene
TK1	ENSG00000167900	1.987071558	1.99651E-17	up-regulated gene
LYPD1	ENSG00000150551	1.986885139	1.91943E-06	up-regulated gene
AC116914.1	ENSG00000262358	1.986618431	2.56515E-05	up-regulated gene

AC104984.2	ENSG00000265394	1.986582878	0.000981814	up-regulated gene
AC026320.1	ENSG00000232353	1.986534013	0.228294864	up-regulated gene
FER1L4	ENSG00000088340	1.986422204	1.97161E-05	up-regulated gene
RPL6P4	ENSG00000226080	1.986323255	0.004189334	up-regulated gene
DNAI1	ENSG00000122735	1.986026187	0.000598806	up-regulated gene
AC109635.3	ENSG00000255042	1.985562738	0.211759368	up-regulated gene
AL353726.2	ENSG00000279154	1.985113192	0.07172387	up-regulated gene
AC073195.1	ENSG00000271855	1.984341457	6.2516E-15	up-regulated gene
DRC1	ENSG00000157856	1.984313682	4.22341E-05	up-regulated gene
AP003041.2	ENSG00000255535	1.984186536	0.229687571	up-regulated gene
DCDC1	ENSG00000170959	1.984097923	1.11229E-05	up-regulated gene
GRIN1	ENSG00000176884	1.984093139	1.03697E-06	up-regulated gene
AC036214.1	ENSG00000249328	1.984028975	0.00037068	up-regulated gene
BNIP3P42	ENSG00000223974	1.983532755	0.009180452	up-regulated gene
LRAT	ENSG00000121207	1.983371632	0.002553973	up-regulated gene
SCARNA22	ENSG00000249784	1.983183861	0.001974306	up-regulated gene
PDZD7	ENSG00000186862	1.982797716	2.1859E-09	up-regulated gene
AC092969.1	ENSG00000240086	1.982562246	0.002852868	up-regulated gene
AC023282.1	ENSG00000274461	1.982363754	0.000350005	up-regulated gene
AP003469.3	ENSG00000253737	1.982345503	0.00176307	up-regulated gene
CEACAM16	ENSG00000213892	1.981686673	0.010703161	up-regulated gene
PHC2-AS1	ENSG00000233246	1.981339102	9.52856E-06	up-regulated gene
AC131280.1	ENSG00000279628	1.980630184	0.064093952	up-regulated gene
YWHAEP7	ENSG00000276715	1.980477506	0.000187472	up-regulated gene
AL354751.3	ENSG00000275756	1.980276335	0.008363972	up-regulated gene
LINC00862	ENSG00000203721	1.979778533	0.000131819	up-regulated gene
GLRA3	ENSG00000145451	1.978770904	0.000253199	up-regulated gene
SPAM1	ENSG00000106304	1.977959148	0.09045131	up-regulated gene
NHLH2	ENSG00000177551	1.977851357	0.001986347	up-regulated gene
IGLV4-60	ENSG00000211639	1.977306525	0.004173966	up-regulated gene
AC090159.1	ENSG00000255094	1.977152636	0.002508735	up-regulated gene
LINC00879	ENSG00000239589	1.976579305	0.336243622	up-regulated gene
CA7	ENSG00000168748	1.975926649	0.001663598	up-regulated gene
ZNF969P	ENSG00000251046	1.975427311	0.002163401	up-regulated gene
LINC00964	ENSG00000249816	1.975009828	1.67668E-06	up-regulated gene
SYT14	ENSG00000143469	1.974250236	0.000719773	up-regulated gene
H2BC12	ENSG00000197903	1.973354837	3.29755E-11	up-regulated gene
EPS15P1	ENSG00000242948	1.972920032	0.010452325	up-regulated gene
KIF15	ENSG00000163808	1.97274169	4.72767E-18	up-regulated gene
LINC02840	ENSG00000224893	1.972647433	0.146691131	up-regulated gene
ARSDP1	ENSG00000225117	1.972329213	0.016365499	up-regulated gene
KIF20A	ENSG00000112984	1.970585465	1.08812E-16	up-regulated gene
PURPL	ENSG00000250337	1.970446145	0.017726128	up-regulated gene
AL603839.4	ENSG00000279667	1.970381647	5.77132E-06	up-regulated gene
LINC02195	ENSG00000236481	1.970253111	0.000177978	up-regulated gene
AL132780.5	ENSG00000280129	1.969861164	8.93201E-11	up-regulated gene
AL023803.3	ENSG00000277581	1.96977609	5.81701E-05	up-regulated gene
NLRP3P1	ENSG00000277883	1.969752727	5.9599E-05	up-regulated gene
AL358473.1	ENSG00000229191	1.969750395	0.000936011	up-regulated gene

DCAF8L1	ENSG00000226372	1.969600291	0.163891899	up-regulated gene
ERCC6L	ENSG00000186871	1.968887674	3.07304E-16	up-regulated gene
ERVV-1	ENSG00000269526	1.968843981	0.001468181	up-regulated gene
FAM227A	ENSG00000184949	1.968769004	1.09409E-11	up-regulated gene
HMGB3	ENSG00000029993	1.96840027	1.24313E-24	up-regulated gene
NCAPD2P1	ENSG00000230356	1.968365582	0.018793261	up-regulated gene
LINC00691	ENSG00000224074	1.968156948	0.000358225	up-regulated gene
POU5F1	ENSG00000204531	1.967489317	3.55792E-06	up-regulated gene
AC020928.2	ENSG00000267353	1.967449333	0.002524381	up-regulated gene
AC134312.5	ENSG00000261327	1.967420128	4.37726E-05	up-regulated gene
LINC01702	ENSG00000235200	1.967372355	0.102493096	up-regulated gene
SYNE4	ENSG00000181392	1.965489016	4.09719E-08	up-regulated gene
GALNT6	ENSG00000139629	1.96543291	7.19369E-10	up-regulated gene
TOX3	ENSG00000103460	1.96499021	0.004529241	up-regulated gene
SULT1B1	ENSG00000173597	1.964700574	0.000309086	up-regulated gene
HAGHL	ENSG00000103253	1.964086516	9.7806E-12	up-regulated gene
KAAG1	ENSG00000146049	1.963645505	0.005515711	up-regulated gene
XIAPP3	ENSG00000180152	1.963028977	0.004604039	up-regulated gene
AC104982.2	ENSG00000263477	1.962621004	0.006477112	up-regulated gene
AL021395.1	ENSG00000233508	1.962454894	0.152207562	up-regulated gene
MKI67	ENSG00000148773	1.961505903	2.58919E-16	up-regulated gene
AL513218.1	ENSG00000272100	1.961231343	2.60498E-11	up-regulated gene
AC020922.4	ENSG00000276831	1.96103807	0.004224248	up-regulated gene
AC005522.1	ENSG00000250614	1.960769471	0.002796098	up-regulated gene
TM4SF19-TC TEX1D2	ENSG00000273331	1.960527253	0.000428007	up-regulated gene
EPPIN	ENSG00000101448	1.960276338	0.021232286	up-regulated gene
CENPM	ENSG00000100162	1.958982852	7.13532E-18	up-regulated gene
AL353572.1	ENSG00000225385	1.958970226	0.001510442	up-regulated gene
HAPLN1	ENSG00000145681	1.958679209	4.28975E-05	up-regulated gene
ZAN	ENSG00000146839	1.958371131	0.003602392	up-regulated gene
RABGAP1L-AS1	ENSG00000229531	1.958306318	0.002721019	up-regulated gene
LINC01767	ENSG00000223956	1.95767402	0.000220544	up-regulated gene
AL121904.1	ENSG00000238129	1.957666907	0.192793929	up-regulated gene
PRR11	ENSG00000068489	1.957664043	1.15849E-16	up-regulated gene
AC130456.2	ENSG00000259925	1.957657799	0.001810696	up-regulated gene
LRTM1	ENSG00000144771	1.957613639	0.025365333	up-regulated gene
U62317.3	ENSG00000273272	1.957368547	2.84357E-05	up-regulated gene
RAD21L1	ENSG00000244588	1.957127967	0.009657675	up-regulated gene
AL035078.1	ENSG00000254584	1.956606297	0.013775649	up-regulated gene
CCNB1	ENSG00000134057	1.956128936	3.45995E-18	up-regulated gene
AC112484.3	ENSG00000261159	1.95543056	1.4524E-07	up-regulated gene
AC008736.1	ENSG00000267475	1.955416241	6.7329E-08	up-regulated gene
AC073413.1	ENSG00000270480	1.955264325	0.002000854	up-regulated gene
LINC01186	ENSG00000236751	1.955172919	6.41803E-05	up-regulated gene
C7orf77	ENSG00000275356	1.954857454	0.108581463	up-regulated gene
ARID3A	ENSG00000116017	1.954396379	1.71469E-07	up-regulated gene
VCX2	ENSG00000177504	1.954317406	0.04088735	up-regulated gene
AC083906.1	ENSG00000248459	1.954242008	0.006842678	up-regulated gene
AC020978.2	ENSG00000260441	1.953836158	0.000501237	up-regulated gene

AC091057.2	ENSG00000206846	1.952766589	0.004943643	up-regulated gene
AC010776.2	ENSG00000267774	1.952274174	0.036278747	up-regulated gene
TM4SF4	ENSG00000169903	1.95196079	0.014406011	up-regulated gene
HYAL6P	ENSG00000228211	1.951950545	0.175782395	up-regulated gene
ARID3C	ENSG00000205143	1.95184848	1.18881E-05	up-regulated gene
LINC01293	ENSG00000230836	1.951334546	0.000322415	up-regulated gene
FGF11	ENSG00000161958	1.951266025	4.66725E-07	up-regulated gene
MYCNOS	ENSG00000233718	1.951094163	0.003747246	up-regulated gene
HNRNPA1P22	ENSG00000236459	1.950879285	0.000460243	up-regulated gene
AC093249.2	ENSG00000260167	1.950816847	4.92912E-08	up-regulated gene
BNIP3P8	ENSG00000269431	1.950175124	0.017622908	up-regulated gene
AC092336.1	ENSG00000249166	1.950095958	0.197164187	up-regulated gene
HHLA1	ENSG00000132297	1.950018067	0.024336017	up-regulated gene
MICC	ENSG00000226577	1.94997859	0.012440985	up-regulated gene
STEAP1B	ENSG00000105889	1.949561151	0.000499917	up-regulated gene
SCARNA10	ENSG00000239002	1.949329001	0.00296929	up-regulated gene
AC005832.1	ENSG00000256381	1.94891368	0.001474043	up-regulated gene
AC011294.1	ENSG00000233539	1.948793952	0.000383587	up-regulated gene
AL163952.1	ENSG00000259868	1.948546268	0.000216321	up-regulated gene
SPAG6	ENSG00000077327	1.948449702	0.000633644	up-regulated gene
AC023389.2	ENSG00000265713	1.94842149	0.001135745	up-regulated gene
SNORA2C	ENSG00000221491	1.948326708	5.22623E-05	up-regulated gene
RNASE3	ENSG00000169397	1.948005642	0.001081536	up-regulated gene
AL136221.1	ENSG00000276434	1.947736923	1.40903E-05	up-regulated gene
KLK15	ENSG00000174562	1.947409842	0.050527018	up-regulated gene
AC073957.1	ENSG00000225146	1.946951519	0.00821426	up-regulated gene
SIX3	ENSG00000138083	1.946905582	0.002560388	up-regulated gene
Z93403.1	ENSG00000231772	1.946038919	0.001657286	up-regulated gene
FMO9P	ENSG00000215834	1.945992328	0.004736565	up-regulated gene
RPS3AP54	ENSG00000229057	1.945793751	0.011672955	up-regulated gene
SNHG27	ENSG00000251676	1.945766954	0.109807922	up-regulated gene
TMPO-AS1	ENSG00000257167	1.945275903	7.81665E-20	up-regulated gene
AC104365.2	ENSG00000267476	1.944814315	0.019449476	up-regulated gene
AC005379.1	ENSG00000267159	1.944642517	0.013822248	up-regulated gene
TPSP2	ENSG00000260284	1.943965353	0.001722067	up-regulated gene
AC104041.1	ENSG00000259692	1.943729314	0.001214608	up-regulated gene
FLJ12825	ENSG00000248265	1.943344227	2.34373E-06	up-regulated gene
SGO1-AS1	ENSG00000231304	1.942822699	0.006149111	up-regulated gene
MCM8-AS1	ENSG00000278719	1.942523943	0.000602735	up-regulated gene
H2BC15	ENSG00000233822	1.94247501	9.08241E-09	up-regulated gene
FCGR3A	ENSG00000203747	1.940954198	7.8548E-06	up-regulated gene
IGLJCOR18	ENSG00000265243	1.940805756	0.035037996	up-regulated gene
AL138720.1	ENSG00000234261	1.940650515	0.000850741	up-regulated gene
AC090229.1	ENSG00000267397	1.939827898	6.93911E-08	up-regulated gene
MZT1P2	ENSG00000271404	1.939006005	0.001263655	up-regulated gene
LINC01443	ENSG00000266554	1.938877915	0.083609385	up-regulated gene
AP000696.1	ENSG00000231324	1.938196246	0.002413723	up-regulated gene
H4C8	ENSG00000158406	1.938162651	7.17281E-06	up-regulated gene
SLC10A2	ENSG00000125255	1.936689572	0.134323213	up-regulated gene

ALOX12B	ENSG00000179477	1.93664449	0.00025961	up-regulated gene
MED15P6	ENSG00000257162	1.936552821	0.139837196	up-regulated gene
AC139769.2	ENSG00000267924	1.936156923	0.000787159	up-regulated gene
MYB	ENSG00000118513	1.935871613	1.52455E-07	up-regulated gene
AC010655.4	ENSG00000273184	1.935830143	0.000210956	up-regulated gene
AC010331.1	ENSG00000277383	1.935749057	3.84731E-10	up-regulated gene
CDK8P2	ENSG00000227368	1.935272589	0.005048716	up-regulated gene
KCNC3	ENSG00000131398	1.934588241	2.82071E-08	up-regulated gene
AC008267.7	ENSG00000279785	1.933692059	0.001249023	up-regulated gene
UBD	ENSG00000213886	1.931859356	0.000720529	up-regulated gene
AC026167.1	ENSG00000226022	1.93183161	0.007203791	up-regulated gene
CENPK	ENSG00000123219	1.931537295	2.14177E-18	up-regulated gene
POTEKP	ENSG00000204434	1.930888189	0.000390761	up-regulated gene
AP004550.1	ENSG00000254573	1.929374982	0.074453735	up-regulated gene
RNU7-18P	ENSG00000252174	1.929094947	0.005138388	up-regulated gene
RN7SL452P	ENSG00000243103	1.928856578	0.001846011	up-regulated gene
NPIP81P	ENSG00000257513	1.928641078	0.000502543	up-regulated gene
OIP5	ENSG00000104147	1.928326519	2.08036E-17	up-regulated gene
PPIAP35	ENSG00000232369	1.927803492	6.85437E-06	up-regulated gene
PLCH1-AS2	ENSG00000242925	1.927553965	0.011866891	up-regulated gene
CTBP2P7	ENSG00000267091	1.927350752	0.000610386	up-regulated gene
MRGPRX1	ENSG00000170255	1.926717633	0.283589708	up-regulated gene
HRK	ENSG00000135116	1.92650494	0.002121112	up-regulated gene
CACNA2D3-AS1	ENSG00000243715	1.926341555	0.021729199	up-regulated gene
LCE2C	ENSG00000187180	1.926292088	0.259116546	up-regulated gene
GSTCD-AS1	ENSG00000251175	1.925636281	3.203E-05	up-regulated gene
RN7SL151P	ENSG00000244230	1.925443779	0.087012481	up-regulated gene
MYLK4	ENSG00000145949	1.924988613	1.84535E-05	up-regulated gene
SNX6P1	ENSG00000267920	1.924667066	0.005659093	up-regulated gene
AC122694.1	ENSG00000250122	1.923932644	0.028618965	up-regulated gene
AP003392.3	ENSG00000255114	1.923746426	1.70876E-08	up-regulated gene
AC103702.2	ENSG00000272763	1.923639203	0.000436609	up-regulated gene
AC011447.4	ENSG00000267771	1.923595489	0.018693151	up-regulated gene
KC877982.1	ENSG00000269993	1.923463269	0.155221782	up-regulated gene
TAT	ENSG00000198650	1.923193365	1.8457E-05	up-regulated gene
KRT40	ENSG00000204889	1.923011982	0.001689147	up-regulated gene
AC110741.1	ENSG00000253593	1.922990884	0.003454004	up-regulated gene
CDIPTOSP	ENSG00000214725	1.922880654	3.40834E-05	up-regulated gene
RN7SL128P	ENSG00000240869	1.922697828	0.00042587	up-regulated gene
LINC01701	ENSG00000232212	1.922324234	0.041326865	up-regulated gene
LINC01633	ENSG00000260976	1.921334804	5.95356E-07	up-regulated gene
ITLN2	ENSG00000158764	1.921093683	0.002975624	up-regulated gene
AC138625.1	ENSG00000259798	1.920857311	0.022330353	up-regulated gene
GP2	ENSG00000169347	1.920619263	0.140162474	up-regulated gene
AC005726.2	ENSG00000264044	1.920524237	0.000181249	up-regulated gene
LARS2-AS1	ENSG00000232455	1.920514883	0.004980191	up-regulated gene
LINC01339	ENSG00000248555	1.920227649	0.026893685	up-regulated gene
SNORD17	ENSG00000212232	1.920130389	1.18246E-05	up-regulated gene
CPNE4	ENSG00000196353	1.919583441	0.000529919	up-regulated gene

FBXO43	ENSG00000156509	1.919175732	5.61594E-09	up-regulated gene
DNAH11	ENSG00000105877	1.918528929	0.000901665	up-regulated gene
SLC18A3	ENSG00000187714	1.918253908	0.109063149	up-regulated gene
AL513188.1	ENSG00000233848	1.918094	0.069224511	up-regulated gene
MAGEB6	ENSG00000176746	1.917425653	0.079946591	up-regulated gene
SNORD104	ENSG00000199753	1.917374704	1.71395E-11	up-regulated gene
SATB2-AS1	ENSG00000225953	1.916844138	2.35155E-05	up-regulated gene
FTMT	ENSG00000181867	1.916823718	0.207849605	up-regulated gene
H2BU2P	ENSG00000181201	1.916341171	0.020148413	up-regulated gene
AC097478.2	ENSG00000276542	1.915653915	0.074244465	up-regulated gene
DNAJC22	ENSG00000178401	1.915611365	4.04524E-06	up-regulated gene
OTOG	ENSG00000188162	1.91560789	0.031652085	up-regulated gene
KRT18P5	ENSG00000236670	1.915394106	1.39775E-07	up-regulated gene
GAPDHP33	ENSG00000240244	1.915330753	0.001186935	up-regulated gene
DNAAF3	ENSG00000167646	1.915009959	5.31297E-07	up-regulated gene
DDX4	ENSG00000152670	1.914971707	0.002817637	up-regulated gene
AC073934.1	ENSG00000240790	1.914715813	0.002521046	up-regulated gene
AC244093.3	ENSG00000277579	1.914686416	0.006438011	up-regulated gene
AC108174.1	ENSG00000248112	1.914051469	0.014836138	up-regulated gene
MIR7111	ENSG00000276712	1.913823773	6.2936E-08	up-regulated gene
AC138207.7	ENSG00000266340	1.913768142	0.000640517	up-regulated gene
LINC02097	ENSG00000226101	1.913479019	0.015173148	up-regulated gene
H2BC13	ENSG00000185130	1.913104415	7.20446E-06	up-regulated gene
M1AP	ENSG00000159374	1.912798569	0.000328271	up-regulated gene
AIM2	ENSG00000163568	1.912520701	0.000179554	up-regulated gene
LDLRAD1	ENSG00000203985	1.912444873	0.007968679	up-regulated gene
POSTN	ENSG00000133110	1.912199486	6.01743E-05	up-regulated gene
FRMD5	ENSG00000171877	1.911504288	1.17444E-07	up-regulated gene
SIX1	ENSG00000126778	1.911400456	3.82551E-10	up-regulated gene
RPL37P3	ENSG00000215369	1.91069624	0.018470885	up-regulated gene
SLC12A5-AS1	ENSG00000204044	1.910618515	2.43398E-05	up-regulated gene
AL032819.1	ENSG00000260132	1.910612696	0.000231106	up-regulated gene
BEAN1	ENSG00000166546	1.91037244	4.82455E-06	up-regulated gene
AC005746.3	ENSG00000273982	1.910239397	0.000975613	up-regulated gene
AC022167.4	ENSG00000261481	1.910213727	0.00017575	up-regulated gene
DCST1	ENSG00000163357	1.909504146	6.11064E-11	up-regulated gene
LRGUK	ENSG00000155530	1.909435448	1.90228E-08	up-regulated gene
ZNF732	ENSG00000186777	1.90942136	5.89807E-05	up-regulated gene
AC106771.1	ENSG00000248783	1.908927565	0.091348099	up-regulated gene
CCNA1	ENSG00000133101	1.907326128	0.005359947	up-regulated gene
MEPE	ENSG00000152595	1.906907702	0.004147677	up-regulated gene
SLAMF9	ENSG00000162723	1.906856284	0.000122777	up-regulated gene
PITX3	ENSG00000107859	1.906705836	0.000997918	up-regulated gene
DPF1	ENSG00000011332	1.906482836	2.20554E-07	up-regulated gene
OR211P	ENSG00000237988	1.906385863	0.001027646	up-regulated gene
AP003068.4	ENSG00000278952	1.906288298	1.3467E-05	up-regulated gene
AL021407.1	ENSG00000217078	1.906016319	2.22738E-05	up-regulated gene
GNLY	ENSG00000115523	1.905365514	0.00011573	up-regulated gene
LINC01192	ENSG00000241369	1.9045612	0.044870212	up-regulated gene

HCAR1	ENSG00000196917	1.904513583	2.02113E-06	up-regulated gene
AL359075.1	ENSG00000276563	1.904436029	0.003588772	up-regulated gene
ZNF726	ENSG00000213967	1.904187238	8.42502E-10	up-regulated gene
SIGLEC10-AS1	ENSG00000255441	1.903912865	0.001744307	up-regulated gene
PIF1	ENSG00000140451	1.903816649	2.78842E-18	up-regulated gene
C1QTNF12	ENSG00000184163	1.903760245	6.05516E-07	up-regulated gene
GAPDHS	ENSG00000105679	1.903702818	0.004635949	up-regulated gene
CCDC78	ENSG00000162004	1.903414236	1.07841E-09	up-regulated gene
AC009060.1	ENSG00000247228	1.902995011	0.025465849	up-regulated gene
FANCB	ENSG00000181544	1.902970751	3.96951E-18	up-regulated gene
AL512363.1	ENSG00000224984	1.902959967	2.42064E-05	up-regulated gene
AGAP1-IT1	ENSG00000235529	1.901847088	3.02539E-06	up-regulated gene
OXTR	ENSG00000180914	1.901643486	1.10063E-07	up-regulated gene
RHPN1-AS1	ENSG00000254389	1.901588401	1.31454E-11	up-regulated gene
RBBP8NL	ENSG00000130701	1.901578922	2.84846E-06	up-regulated gene
CDC37P1	ENSG00000259982	1.901244588	0.007020457	up-regulated gene
AC245884.9	ENSG00000268496	1.901240489	0.001093048	up-regulated gene
RASL10A	ENSG00000100276	1.900848774	1.21817E-06	up-regulated gene
AC091980.2	ENSG00000275038	1.90011259	0.058061036	up-regulated gene
AP000812.2	ENSG00000255860	1.899845206	0.037182796	up-regulated gene
AC074135.1	ENSG00000267886	1.898655172	0.001202256	up-regulated gene
AC007938.3	ENSG00000270953	1.898356667	6.45226E-11	up-regulated gene
PVALEF	ENSG00000225180	1.897843168	0.039129073	up-regulated gene
OR2J3	ENSG00000204701	1.897820306	0.052322024	up-regulated gene
TUFMP1	ENSG00000265646	1.897791128	0.004638338	up-regulated gene
KCNQ1DN	ENSG00000237941	1.897767135	0.028583899	up-regulated gene
AC084026.3	ENSG00000280147	1.897559167	0.0776864	up-regulated gene
AL139128.1	ENSG00000234937	1.897233095	2.0961E-06	up-regulated gene
UGT3A2	ENSG00000168671	1.89684529	0.001122671	up-regulated gene
RPS27P25	ENSG00000239881	1.896245519	0.00877818	up-regulated gene
FTLP15	ENSG00000233952	1.896180556	0.030632166	up-regulated gene
CDCA5	ENSG00000146670	1.89537232	7.0839E-15	up-regulated gene
ZBED2	ENSG00000177494	1.895185779	0.000645857	up-regulated gene
AC068533.2	ENSG00000229886	1.8947421	0.000415556	up-regulated gene
AL031848.1	ENSG00000231868	1.894422637	0.000692254	up-regulated gene
AMBN	ENSG00000178522	1.893886393	0.162930525	up-regulated gene
AL451050.2	ENSG00000272205	1.893387134	2.98311E-09	up-regulated gene
AC018641.1	ENSG00000226468	1.893073205	4.53651E-05	up-regulated gene
SYT5	ENSG00000129990	1.89300608	0.000591604	up-regulated gene
AC021491.4	ENSG00000275897	1.892906356	1.65134E-05	up-regulated gene
AC062015.1	ENSG00000235070	1.892820626	0.120493094	up-regulated gene
ASCL5	ENSG00000232237	1.892547926	2.5793E-06	up-regulated gene
H4C11	ENSG00000197238	1.892199654	1.56952E-05	up-regulated gene
MEIOB	ENSG00000162039	1.89209835	0.003685314	up-regulated gene
AC091812.1	ENSG00000231317	1.891433642	0.078696221	up-regulated gene
AC104984.4	ENSG00000266120	1.890981191	0.018238419	up-regulated gene
Y_RNA	ENSG00000201916	1.890648139	0.002008338	up-regulated gene
BIRC5	ENSG00000089685	1.889959133	2.45383E-14	up-regulated gene
AC138409.1	ENSG00000215156	1.889152185	4.93804E-05	up-regulated gene

AL356277.2	ENSG00000224583	1.889034477	0.204159753	up-regulated gene
TMBIM7P	ENSG00000230927	1.888834831	0.005980484	up-regulated gene
AC009630.2	ENSG00000253174	1.887919579	0.002017863	up-regulated gene
PIK3C2G	ENSG00000139144	1.88787268	0.015273308	up-regulated gene
GAPDHP1	ENSG00000228232	1.887638281	1.81947E-05	up-regulated gene
TGIF2LX	ENSG00000153779	1.887574439	0.163424041	up-regulated gene
LINC02820	ENSG00000258815	1.887319729	0.000154579	up-regulated gene
TBC1D3D	ENSG00000274419	1.887089136	0.090748152	up-regulated gene
SLC6A20	ENSG00000163817	1.886979646	0.000218448	up-regulated gene
CES5AP1	ENSG00000215478	1.886842279	0.032646727	up-regulated gene
BSND	ENSG00000162399	1.885796615	0.018946041	up-regulated gene
EXD1	ENSG00000178997	1.885743286	9.95127E-05	up-regulated gene
POLR3DP1	ENSG00000214626	1.885420008	0.004400941	up-regulated gene
AP000251.1	ENSG00000237594	1.885188482	2.1919E-08	up-regulated gene
AC108097.1	ENSG00000260183	1.885005319	0.009676878	up-regulated gene
NDC80	ENSG00000080986	1.884671916	1.24573E-15	up-regulated gene
RBMY1A3P	ENSG00000197038	1.884633849	0.400671402	up-regulated gene
MMP2-AS1	ENSG00000260135	1.884608694	0.000344153	up-regulated gene
LINC01978	ENSG00000262188	1.884465043	6.39231E-05	up-regulated gene
RPSAP69	ENSG00000233487	1.883350502	2.371E-07	up-regulated gene
SNHG25	ENSG00000266402	1.882520531	1.12305E-10	up-regulated gene
PDCL3P6	ENSG00000224255	1.88171723	0.002964109	up-regulated gene
AL390067.1	ENSG00000226609	1.881546694	4.11545E-05	up-regulated gene
MCHR2-AS1	ENSG00000229315	1.881478488	0.035617671	up-regulated gene
AF123462.1	ENSG00000258416	1.880898076	0.02431543	up-regulated gene
KRT84	ENSG00000161849	1.880663035	0.038205107	up-regulated gene
CCL20	ENSG00000115009	1.88036342	0.000728496	up-regulated gene
CENPI	ENSG00000102384	1.880066654	7.27674E-17	up-regulated gene
PCLAF	ENSG00000166803	1.880065834	2.81946E-17	up-regulated gene
CA1	ENSG00000133742	1.880018676	0.01514042	up-regulated gene
FREM2	ENSG00000150893	1.87990427	0.007267177	up-regulated gene
SSC4D	ENSG00000146700	1.879866626	1.36331E-09	up-regulated gene
PI4KAP2	ENSG00000183506	1.879201231	7.53172E-09	up-regulated gene
AL355512.1	ENSG00000273143	1.878629442	0.000171628	up-regulated gene
LINC01338	ENSG00000281327	1.878388574	0.000927999	up-regulated gene
AL358394.1	ENSG00000227683	1.878313804	0.019372918	up-regulated gene
STAM-AS1	ENSG00000260589	1.878156452	1.00868E-11	up-regulated gene
LINC02561	ENSG00000224034	1.87812247	0.002182646	up-regulated gene
CFAP65	ENSG00000181378	1.877519723	0.006223742	up-regulated gene
AC124861.1	ENSG00000227479	1.877311518	0.053002844	up-regulated gene
RNY4P34	ENSG00000201649	1.877191002	0.136000031	up-regulated gene
MAFG-DT	ENSG00000265688	1.877000879	5.55126E-12	up-regulated gene
VSTM2L	ENSG00000132821	1.876273193	0.000517186	up-regulated gene
AC078778.1	ENSG00000258344	1.875827087	0.000142259	up-regulated gene
CNTFR-AS1	ENSG00000237159	1.875640552	0.089103836	up-regulated gene
AC093843.1	ENSG00000224819	1.87539276	0.012806993	up-regulated gene
AC011466.2	ENSG00000269321	1.875007955	0.003312174	up-regulated gene
AC145343.1	ENSG00000265055	1.874980991	5.44806E-09	up-regulated gene
LINC01583	ENSG00000259518	1.874495222	0.020854945	up-regulated gene

H4C3	ENSG00000197061	1.874470282	7.51422E-06	up-regulated gene
NPPB	ENSG00000120937	1.874391148	0.042084803	up-regulated gene
AC011481.3	ENSG00000280087	1.874238374	1.32297E-07	up-regulated gene
TSNAX-DISC1	ENSG00000270106	1.874212438	0.002444585	up-regulated gene
GRM3	ENSG00000198822	1.874087743	0.000983042	up-regulated gene
AL928654.4	ENSG00000279495	1.873836464	6.60762E-15	up-regulated gene
NECTIN4-AS1	ENSG00000228917	1.873620111	1.74927E-06	up-regulated gene
KRT18P61	ENSG00000267083	1.872363177	0.007592272	up-regulated gene
AC005993.1	ENSG00000266869	1.872321957	0.000160532	up-regulated gene
AL033539.1	ENSG00000228772	1.872305305	0.041863055	up-regulated gene
CSTA	ENSG00000121552	1.872115944	6.32861E-06	up-regulated gene
RPS27AP13	ENSG00000244159	1.871607549	0.016360136	up-regulated gene
RN7SL200P	ENSG00000265123	1.871073537	0.02471766	up-regulated gene
AC104257.1	ENSG00000253507	1.870709589	0.084384924	up-regulated gene
PAX3	ENSG00000135903	1.870285296	0.03667689	up-regulated gene
AC139718.1	ENSG00000248432	1.869359651	0.157122952	up-regulated gene
FAM217A	ENSG00000145975	1.869345475	0.000286053	up-regulated gene
Y_RNA	ENSG00000199466	1.869268421	0.003447705	up-regulated gene
Y_RNA	ENSG00000239823	1.869143318	0.031114664	up-regulated gene
MICB	ENSG00000204516	1.869135435	1.00765E-09	up-regulated gene
ENTR1P2	ENSG00000181101	1.869080209	0.011651196	up-regulated gene
LINC01426	ENSG00000234380	1.868716758	1.3768E-05	up-regulated gene
SHOX2	ENSG00000168779	1.868699518	8.64054E-05	up-regulated gene
AC023310.4	ENSG00000278626	1.868436858	0.007016655	up-regulated gene
AC078852.1	ENSG00000253399	1.868290198	0.001202431	up-regulated gene
RHEBL1	ENSG00000167550	1.867580342	2.08686E-13	up-regulated gene
FGF8	ENSG00000107831	1.867577076	0.001503717	up-regulated gene
AL021328.1	ENSG00000269985	1.86726464	0.010944434	up-regulated gene
AC007773.1	ENSG00000267213	1.867018162	2.58307E-10	up-regulated gene
GPX6	ENSG00000198704	1.86701705	0.160613201	up-regulated gene
C7orf65	ENSG00000221845	1.866877419	0.007364285	up-regulated gene
MIR5587	ENSG00000266124	1.86675047	0.001425092	up-regulated gene
CA2	ENSG00000104267	1.866202663	2.02741E-05	up-regulated gene
AP002761.1	ENSG00000215841	1.866103564	2.49572E-05	up-regulated gene
SULT1D1P	ENSG00000236959	1.865794474	0.055102006	up-regulated gene
SYT16	ENSG00000139973	1.865693084	0.000109573	up-regulated gene
TMEM207	ENSG00000198398	1.865579511	0.287651484	up-regulated gene
SLC13A5	ENSG00000141485	1.865272915	0.00016168	up-regulated gene
SIRPG-AS1	ENSG00000237914	1.864777138	0.008484272	up-regulated gene
HRH3	ENSG00000101180	1.864715668	0.0118019	up-regulated gene
AC055811.3	ENSG00000266498	1.864481841	0.007331123	up-regulated gene
AC105917.1	ENSG00000232327	1.863676649	0.139179798	up-regulated gene
TMEM210	ENSG00000185863	1.863524842	0.021216479	up-regulated gene
CAMK2B	ENSG00000058404	1.863352218	6.54717E-05	up-regulated gene
AC026992.2	ENSG00000261634	1.862822736	0.004299655	up-regulated gene
AC100782.1	ENSG00000254238	1.862649065	0.011036488	up-regulated gene
AC011483.1	ENSG00000267879	1.86232833	0.108781822	up-regulated gene
H2AC20	ENSG00000184260	1.862283893	5.77899E-10	up-regulated gene
AC015660.2	ENSG00000259760	1.861764249	0.016899775	up-regulated gene

BNIP5	ENSG00000189325	1.861699495	0.00167596	up-regulated gene
AC007540.1	ENSG00000257579	1.86094809	0.018368886	up-regulated gene
AP005136.1	ENSG00000238575	1.860598132	0.005823392	up-regulated gene
CKS1BP3	ENSG00000268942	1.860394976	0.001794122	up-regulated gene
AC012339.1	ENSG00000248762	1.859918282	0.225994399	up-regulated gene
LINC00504	ENSG00000248360	1.859153787	0.005441461	up-regulated gene
LINC02725	ENSG00000273415	1.858718597	0.032646239	up-regulated gene
AL109628.1	ENSG00000259121	1.858593979	0.009408977	up-regulated gene
TACC3	ENSG00000013810	1.858566722	1.15377E-15	up-regulated gene
AC064807.2	ENSG00000253844	1.858539976	0.000602492	up-regulated gene
NR2E1	ENSG00000112333	1.858323687	0.001584996	up-regulated gene
AC021146.11	ENSG00000251529	1.85721627	0.076498973	up-regulated gene
BMS1P17	ENSG00000228294	1.857043725	0.021552056	up-regulated gene
AC007161.2	ENSG00000270314	1.857038406	0.018739217	up-regulated gene
AP001630.1	ENSG00000224100	1.856940818	0.003583256	up-regulated gene
OR9K2	ENSG00000170605	1.856933582	0.078380012	up-regulated gene
WASH6P	ENSG00000182484	1.856699	2.53588E-05	up-regulated gene
AC093249.4	ENSG00000261588	1.856560339	1.46214E-06	up-regulated gene
AC006254.2	ENSG00000270941	1.855872682	0.003431947	up-regulated gene
AC020928.1	ENSG00000267260	1.855713799	9.19569E-05	up-regulated gene
AC137695.2	ENSG00000270773	1.855515486	0.00865962	up-regulated gene
BX547991.1	ENSG00000215065	1.855096425	0.021844718	up-regulated gene
AC067956.1	ENSG00000236451	1.854124955	0.001619265	up-regulated gene
KCNH7	ENSG00000184611	1.853649733	0.002874957	up-regulated gene
AAACL2-AS1	ENSG00000242908	1.853406711	0.03105268	up-regulated gene
AC104785.1	ENSG00000270720	1.853381724	4.57955E-08	up-regulated gene
AC016245.1	ENSG00000262833	1.852166021	0.004964813	up-regulated gene
AC116348.2	ENSG00000261332	1.852070379	0.001748055	up-regulated gene
LINC01526	ENSG00000224995	1.85202259	0.00243463	up-regulated gene
RN7SL12P	ENSG00000239553	1.851291409	0.002918225	up-regulated gene
TP73	ENSG00000078900	1.851274568	1.59425E-06	up-regulated gene
QRSL1P1	ENSG00000215833	1.851200334	0.017726457	up-regulated gene
ICAM5	ENSG00000105376	1.850575672	7.03439E-06	up-regulated gene
AL161449.1	ENSG00000234586	1.850425841	0.034332342	up-regulated gene
CCDC114	ENSG00000105479	1.849644027	1.17665E-07	up-regulated gene
RIBC2	ENSG00000128408	1.849433401	8.19596E-12	up-regulated gene
IGKV2D-29	ENSG00000243264	1.849336915	0.005606325	up-regulated gene
LINC00381	ENSG00000226240	1.849220503	0.049199841	up-regulated gene
RSU1P2	ENSG00000232554	1.849180744	0.085214695	up-regulated gene
AC026333.4	ENSG00000274191	1.848928176	3.24751E-08	up-regulated gene
H4C12	ENSG00000273542	1.848874903	2.35644E-05	up-regulated gene
C8B	ENSG00000021852	1.848744638	0.053436843	up-regulated gene
PPM1N	ENSG00000213889	1.848385665	1.6556E-05	up-regulated gene
CDCA7	ENSG00000144354	1.84777685	3.99719E-11	up-regulated gene
RN7SKP243	ENSG00000199975	1.847623371	0.039345264	up-regulated gene
PCAT6	ENSG00000228288	1.847324387	3.6389E-12	up-regulated gene
GTF2IP3	ENSG00000187721	1.846899607	0.219405897	up-regulated gene
AC100858.3	ENSG00000255491	1.846874614	0.003979548	up-regulated gene
HASPIN	ENSG00000177602	1.846813389	1.31236E-13	up-regulated gene

AC099499.1	ENSG00000251654	1.846757785	0.160281831	up-regulated gene
ADGRE1	ENSG00000174837	1.846743471	0.000253522	up-regulated gene
AL513366.1	ENSG00000237351	1.846164749	0.000999649	up-regulated gene
AL355075.4	ENSG00000259001	1.845677317	0.027036016	up-regulated gene
AL353753.1	ENSG00000276759	1.845353207	0.191279095	up-regulated gene
SNORD7	ENSG00000207297	1.8445648	1.87053E-06	up-regulated gene
MIR548AN	ENSG00000263515	1.843535562	0.002940482	up-regulated gene
SERPINC1	ENSG00000117601	1.842374725	0.00019604	up-regulated gene
CHI3L1	ENSG00000133048	1.842321991	0.000381195	up-regulated gene
SNORA14A	ENSG00000201643	1.842155143	0.01628582	up-regulated gene
MAP1LC3BP1	ENSG00000231909	1.841907799	0.022260665	up-regulated gene
CU634019.5	ENSG00000280018	1.841474823	0.00024872	up-regulated gene
AC016229.2	ENSG00000267677	1.841214837	0.001186684	up-regulated gene
AC004034.1	ENSG00000262482	1.840920947	2.13041E-06	up-regulated gene
HIC2	ENSG00000169635	1.840761337	3.12678E-07	up-regulated gene
SLC26A6	ENSG00000225697	1.840726483	3.77874E-22	up-regulated gene
HTR3E	ENSG00000186038	1.840455724	0.005446734	up-regulated gene
PVALB	ENSG00000100362	1.839877069	0.006881931	up-regulated gene
RPS26P49	ENSG00000239365	1.839728028	0.010457474	up-regulated gene
MFAP2	ENSG00000117122	1.839473378	5.14299E-08	up-regulated gene
RBPM5L	ENSG00000234159	1.838832593	0.017966279	up-regulated gene
BX322234.2	ENSG00000233085	1.838801134	0.011186951	up-regulated gene
AC106794.1	ENSG00000249053	1.838497293	0.177004875	up-regulated gene
LINC00379	ENSG00000229557	1.83797653	0.131776647	up-regulated gene
FO680682.1	ENSG00000266579	1.837756466	0.001769542	up-regulated gene
IL12RB2	ENSG00000081985	1.837419988	0.000165148	up-regulated gene
GCKR	ENSG00000084734	1.837383225	0.000304102	up-regulated gene
AC008750.6	ENSG00000268889	1.836975616	0.00253849	up-regulated gene
LINC01267	ENSG00000251576	1.836112152	0.001487345	up-regulated gene
MRPS21P9	ENSG00000262759	1.836009532	0.011107733	up-regulated gene
AL606490.9	ENSG00000270747	1.835942406	0.102637021	up-regulated gene
MCM2	ENSG00000073111	1.834466114	4.79965E-17	up-regulated gene
NUSAP1	ENSG00000137804	1.833866348	7.67514E-16	up-regulated gene
OR11N1P	ENSG00000185903	1.833805493	0.017334727	up-regulated gene
TUBB4BP2	ENSG00000224802	1.83274707	0.023734784	up-regulated gene
TCHH	ENSG00000159450	1.832327859	0.00015172	up-regulated gene
AF121898.1	ENSG00000253500	1.832058086	0.045318725	up-regulated gene
AC104966.1	ENSG00000253525	1.832043914	0.013606096	up-regulated gene
LINC00278	ENSG00000231535	1.83170836	0.009151582	up-regulated gene
AC010729.2	ENSG00000242540	1.831563881	0.03612412	up-regulated gene
LINC02228	ENSG00000251273	1.831295626	0.042497624	up-regulated gene
TMPRSS11B	ENSG00000185873	1.830612187	0.174437928	up-regulated gene
IGHG3	ENSG00000211897	1.830509249	0.001518052	up-regulated gene
SUCNR1	ENSG00000198829	1.83011909	3.13622E-05	up-regulated gene
RNU2-11P	ENSG00000239122	1.829211642	3.28102E-05	up-regulated gene
APOC4-APOC2	ENSG00000224916	1.829208986	0.002068716	up-regulated gene
DEPDC1	ENSG0000024526	1.829089858	1.59039E-12	up-regulated gene
LINC02873	ENSG00000175728	1.828679173	0.022565902	up-regulated gene
AGRP	ENSG00000159723	1.828534087	4.37295E-05	up-regulated gene

VDAC1P11	ENSG00000237679	1.827463064	0.011960951	up-regulated gene
AP003385.1	ENSG00000227834	1.827227742	0.009875668	up-regulated gene
MIR4477B	ENSG00000266017	1.827087765	2.28861E-09	up-regulated gene
AC104692.1	ENSG00000204894	1.82658697	0.036354261	up-regulated gene
SLC30A3	ENSG00000115194	1.826264307	0.000185823	up-regulated gene
HYAL4	ENSG00000106302	1.826262374	0.001404308	up-regulated gene
H2BC21	ENSG00000184678	1.826128727	1.42906E-09	up-regulated gene
SPTLC1P4	ENSG00000232678	1.825936365	0.017030577	up-regulated gene
AC011773.1	ENSG00000254208	1.825848979	0.000908836	up-regulated gene
AC008026.3	ENSG00000264546	1.825374627	0.000119176	up-regulated gene
RN7SL255P	ENSG00000239808	1.824805237	0.07807214	up-regulated gene
AC092724.1	ENSG00000278862	1.824788286	0.022693243	up-regulated gene
KIF23	ENSG00000137807	1.824608204	2.50938E-16	up-regulated gene
AF305872.1	ENSG00000240237	1.824560581	0.203887904	up-regulated gene
NF1P7	ENSG00000278143	1.824449664	0.236027579	up-regulated gene
KIFC2	ENSG00000167702	1.824289545	5.32104E-10	up-regulated gene
AP005328.1	ENSG00000272461	1.823775681	0.015341985	up-regulated gene
MFFP2	ENSG00000251583	1.823233149	0.008301647	up-regulated gene
DNMT3L	ENSG00000142182	1.822002588	0.058744047	up-regulated gene
LINC02444	ENSG00000258123	1.821538342	0.023466051	up-regulated gene
AC016745.1	ENSG00000234997	1.821529404	0.00180149	up-regulated gene
SLC10A1	ENSG00000100652	1.821100261	0.003525573	up-regulated gene
AC019117.1	ENSG00000236039	1.821049149	0.000946937	up-regulated gene
PSMC1P7	ENSG00000243838	1.82002009	0.002979516	up-regulated gene
SEC13P1	ENSG00000223899	1.819835668	0.003008361	up-regulated gene
SLC29A2	ENSG00000174669	1.819732058	9.40746E-12	up-regulated gene
AC022872.1	ENSG00000261632	1.819170933	0.004141108	up-regulated gene
AC012494.2	ENSG00000229494	1.818784556	0.109205176	up-regulated gene
LIPC-AS1	ENSG00000259293	1.818388917	0.001081193	up-regulated gene
SEPTIN7P3	ENSG00000226102	1.818112661	0.026668571	up-regulated gene
PAGE5	ENSG00000158639	1.817687292	0.00230247	up-regulated gene
LINC00397	ENSG00000223404	1.817651276	0.101876192	up-regulated gene
AL158211.3	ENSG00000272366	1.817511728	0.002061703	up-regulated gene
TICRR	ENSG00000140534	1.817112394	5.64737E-18	up-regulated gene
AL049870.2	ENSG00000258633	1.816456946	0.001290905	up-regulated gene
IL17C	ENSG00000124391	1.816431043	0.003743563	up-regulated gene
RUNDC3A	ENSG00000108309	1.816322784	1.29586E-05	up-regulated gene
PRDX2P3	ENSG00000249140	1.816231778	0.007249266	up-regulated gene
ALG1L3P	ENSG00000251087	1.815989612	0.005098282	up-regulated gene
RNF113B	ENSG00000139797	1.81545669	0.016212228	up-regulated gene
RFX6	ENSG00000185002	1.815061281	0.027311809	up-regulated gene
AC098934.1	ENSG00000234996	1.815048195	7.91394E-09	up-regulated gene
AC002401.1	ENSG00000236472	1.814956733	0.001952948	up-regulated gene
ACP7	ENSG00000183760	1.814893597	0.000704063	up-regulated gene
LINC00941	ENSG00000235884	1.81451685	6.5514E-05	up-regulated gene
VGLL1	ENSG00000102243	1.814165518	8.56166E-05	up-regulated gene
HROB	ENSG00000125319	1.814055506	1.16734E-20	up-regulated gene
CARD9	ENSG00000187796	1.813637469	1.03031E-08	up-regulated gene
CLSPN	ENSG00000092853	1.813322109	3.07126E-10	up-regulated gene

SNRPP2	ENSG00000229786	1.81291509	0.005716498	up-regulated gene
AC022405.1	ENSG00000259254	1.812910981	0.003579521	up-regulated gene
TOMM40P1	ENSG00000277156	1.812780387	0.000118909	up-regulated gene
AC062028.1	ENSG00000145063	1.812281745	0.000566308	up-regulated gene
SFTPB	ENSG00000168878	1.812088552	0.004597537	up-regulated gene
AC126177.5	ENSG00000257951	1.812026629	0.015867114	up-regulated gene
RAD51	ENSG00000051180	1.811671253	1.09835E-19	up-regulated gene
ZMAT4	ENSG00000165061	1.811273365	0.013093006	up-regulated gene
GALR2	ENSG00000182687	1.810999064	9.81109E-05	up-regulated gene
DLG3-AS1	ENSG00000231651	1.810992377	0.000300617	up-regulated gene
AC016642.1	ENSG00000248475	1.810950767	0.128822079	up-regulated gene
MIR559	ENSG00000207923	1.810709106	0.001785605	up-regulated gene
TRBV6-8	ENSG00000253534	1.810335672	0.02694378	up-regulated gene
C5orf17	ENSG00000248874	1.810180463	0.045198314	up-regulated gene
GALNT14	ENSG00000158089	1.810167895	2.89551E-06	up-regulated gene
AC118755.2	ENSG00000265349	1.809988968	0.00239939	up-regulated gene
RAD51AP1	ENSG00000111247	1.809763284	9.37957E-15	up-regulated gene
RNU6-689P	ENSG00000206924	1.809755274	0.000853692	up-regulated gene
AP000344.2	ENSG00000248409	1.809711287	0.016729367	up-regulated gene
HES7	ENSG00000179111	1.80955895	0.000224138	up-regulated gene
KIF26B-AS1	ENSG00000232192	1.809551418	0.013425915	up-regulated gene
NANOGNBP3	ENSG00000270813	1.809259557	3.36112E-06	up-regulated gene
PRAL	ENSG00000279296	1.808990057	2.4255E-05	up-regulated gene
AP001178.1	ENSG00000263727	1.808946034	0.002526129	up-regulated gene
PTCHD3P3	ENSG00000219700	1.80868941	0.00789396	up-regulated gene
AIFM3	ENSG00000183773	1.808528059	2.79686E-06	up-regulated gene
GLYATL1B	ENSG00000255151	1.808425595	0.013120754	up-regulated gene
MT-TM	ENSG00000210112	1.807915317	0.002056922	up-regulated gene
BX537318.2	ENSG00000280424	1.807542011	1.975E-05	up-regulated gene
AKR7A2P1	ENSG00000229020	1.807198878	0.00669934	up-regulated gene
MROH3P	ENSG00000233217	1.807035988	0.000181168	up-regulated gene
BLM	ENSG00000197299	1.806967352	3.08795E-23	up-regulated gene
HSD17B1	ENSG00000108786	1.806899234	2.66566E-08	up-regulated gene
CDC37P2	ENSG00000261089	1.806846999	0.001232269	up-regulated gene
CDH18	ENSG00000145526	1.80673708	0.056428618	up-regulated gene
REG4	ENSG00000134193	1.806433537	0.002275067	up-regulated gene
COL22A1	ENSG00000169436	1.806415152	0.00094833	up-regulated gene
AC008825.1	ENSG00000250453	1.806365303	0.30362086	up-regulated gene
AC068985.1	ENSG00000243486	1.806221798	0.179586799	up-regulated gene
SI	ENSG00000090402	1.805833068	0.173132488	up-regulated gene
LINC00698	ENSG00000244342	1.805689911	0.043639994	up-regulated gene
MIR6075	ENSG00000273742	1.80568355	0.078350535	up-regulated gene
LINC02253	ENSG00000259485	1.805466459	0.024150824	up-regulated gene
AC012501.2	ENSG00000227400	1.804605668	0.020216981	up-regulated gene
GPR45	ENSG00000135973	1.804429115	0.00111516	up-regulated gene
AC010867.1	ENSG00000259619	1.803758036	0.234732233	up-regulated gene
AC025871.1	ENSG00000253567	1.802827702	0.008917383	up-regulated gene
GOLGA6L7	ENSG00000261649	1.802270657	0.031289839	up-regulated gene
SEC61G-DT	ENSG00000234707	1.802190216	0.007046929	up-regulated gene

LAMA1	ENSG00000101680	1.802063007	0.000448544	up-regulated gene
AC002044.1	ENSG00000272330	1.801880709	0.001218858	up-regulated gene
AP001025.1	ENSG00000266578	1.801288318	0.000812244	up-regulated gene
APOBEC3B	ENSG00000179750	1.801115871	3.70509E-07	up-regulated gene
AC020923.1	ENSG00000280009	1.801007239	0.005135608	up-regulated gene
CIBAR2	ENSG00000153789	1.800904167	0.004652159	up-regulated gene
CENPE	ENSG00000138778	1.800798544	4.78457E-16	up-regulated gene
ZNF117	ENSG00000152926	1.80062384	5.94792E-07	up-regulated gene
AC010615.2	ENSG00000268119	1.800038023	4.48453E-06	up-regulated gene
SAMD7	ENSG00000187033	1.799752943	0.018226202	up-regulated gene
RMST	ENSG00000255794	1.79949537	0.013462671	up-regulated gene
AC108860.2	ENSG00000261437	1.799448869	1.23943E-08	up-regulated gene
SCD	ENSG00000099194	1.799358758	6.14645E-08	up-regulated gene
RNA5SP323	ENSG00000212396	1.799249863	0.003421133	up-regulated gene
PRODH2	ENSG00000250799	1.799174445	0.06534166	up-regulated gene
SIGLEC12	ENSG00000254521	1.799143475	0.000388567	up-regulated gene
NLRP2	ENSG00000022556	1.798977752	0.003041523	up-regulated gene
AC108471.1	ENSG00000249019	1.79837698	0.003061541	up-regulated gene
CHDH	ENSG00000016391	1.798340033	7.65466E-07	up-regulated gene
RNF183	ENSG00000165188	1.797944644	0.000917736	up-regulated gene
AC008655.2	ENSG00000269392	1.797929394	0.000139493	up-regulated gene
LMNB1-DT	ENSG00000251072	1.797587506	0.006025416	up-regulated gene
SPC24	ENSG00000161888	1.797281881	1.88151E-15	up-regulated gene
HSD17B3	ENSG00000130948	1.797268957	0.000116237	up-regulated gene
ONECUT3	ENSG00000205922	1.796735829	0.006314481	up-regulated gene
WASHC5-AS1	ENSG00000253167	1.796713933	1.08347E-06	up-regulated gene
RLN1	ENSG00000107018	1.796395061	7.31145E-05	up-regulated gene
CFAP52	ENSG00000166596	1.796302617	3.55246E-08	up-regulated gene
TRPM8	ENSG00000144481	1.796216225	0.001168001	up-regulated gene
STATH	ENSG00000126549	1.796077475	0.186899633	up-regulated gene
CCNA2	ENSG00000145386	1.795908639	3.48016E-15	up-regulated gene
OTOS	ENSG00000178602	1.795739419	0.067804	up-regulated gene
CYP4A22-AS1	ENSG00000225506	1.79564934	4.63563E-08	up-regulated gene
IHH	ENSG00000163501	1.795571427	0.011787542	up-regulated gene
FOXA3	ENSG00000170608	1.795240399	0.00126635	up-regulated gene
AL133373.2	ENSG00000279286	1.794627603	0.000980775	up-regulated gene
TFAP2B	ENSG00000008196	1.794589861	0.021755735	up-regulated gene
SMPDL3B	ENSG00000130768	1.794384883	1.42369E-06	up-regulated gene
SKP2	ENSG00000145604	1.794358377	6.89191E-18	up-regulated gene
SHD	ENSG00000105251	1.794090838	0.0020579	up-regulated gene
AL161756.1	ENSG00000214770	1.794044601	9.86126E-12	up-regulated gene
AP000487.2	ENSG00000254495	1.793830124	0.004081637	up-regulated gene
PTHLH	ENSG00000087494	1.793774107	0.001697855	up-regulated gene
TYMSOS	ENSG00000176912	1.793706877	2.70229E-10	up-regulated gene
AL132777.1	ENSG00000258445	1.793408778	0.008616614	up-regulated gene
KIF4B	ENSG00000226650	1.793174895	0.000408041	up-regulated gene
IGLV1-36	ENSG00000211655	1.79313988	0.012112961	up-regulated gene
AC022274.1	ENSG00000253712	1.792900541	0.003369932	up-regulated gene
AC018767.2	ENSG00000260003	1.79261649	0.195611889	up-regulated gene

LINC01993	ENSG00000204277	1.792526081	0.000660273	up-regulated gene
LRRC46	ENSG00000141294	1.791882761	2.42669E-15	up-regulated gene
SCN8A	ENSG00000196876	1.791287874	2.1075E-05	up-regulated gene
RHOXF2	ENSG00000131721	1.790709475	0.267631495	up-regulated gene
KRT74	ENSG00000170484	1.790565836	0.00393684	up-regulated gene
LINC01416	ENSG00000260930	1.790130359	0.034639781	up-regulated gene
SLC17A1	ENSG00000124568	1.78973304	0.182571107	up-regulated gene
AC020978.1	ENSG00000259797	1.789610292	0.003266056	up-regulated gene
TSGA13	ENSG00000213265	1.789217286	0.00566494	up-regulated gene
AC093752.2	ENSG00000250950	1.788892721	0.001547641	up-regulated gene
AC037487.2	ENSG00000266598	1.78853026	0.012808678	up-regulated gene
MIR3609	ENSG00000266019	1.788420149	0.013028923	up-regulated gene
TARDBPP2	ENSG00000238213	1.788154671	0.010094077	up-regulated gene
PRR19	ENSG00000188368	1.787896215	3.60924E-15	up-regulated gene
HCN4	ENSG00000138622	1.787103956	0.006481478	up-regulated gene
RPS14P4	ENSG00000226928	1.787054683	0.023759616	up-regulated gene
C8orf49	ENSG00000255394	1.787027851	0.114990315	up-regulated gene
NETO1	ENSG00000166342	1.786785178	0.003186555	up-regulated gene
AC005909.1	ENSG00000265425	1.786752033	0.358693728	up-regulated gene
H3C14	ENSG00000203811	1.786204482	0.074348741	up-regulated gene
AL031666.3	ENSG00000273451	1.785946409	0.007749104	up-regulated gene
PKD1L1	ENSG00000158683	1.785500771	9.20837E-05	up-regulated gene
AC068790.6	ENSG00000270095	1.785247338	0.005605114	up-regulated gene
AC009319.1	ENSG00000236182	1.785143112	0.004821739	up-regulated gene
AP000221.1	ENSG00000229962	1.785110443	0.153531006	up-regulated gene
RN7SL471P	ENSG00000263426	1.78479811	0.177924095	up-regulated gene
AC090952.1	ENSG00000235629	1.784781589	0.007898876	up-regulated gene
LINC01214	ENSG00000243550	1.784534696	0.005327316	up-regulated gene
KLHL1	ENSG00000150361	1.784449472	0.206075131	up-regulated gene
ZNF887P	ENSG00000267500	1.783718897	9.48435E-10	up-regulated gene
AL031602.1	ENSG00000278966	1.783701363	0.002355344	up-regulated gene
MARK2P9	ENSG00000232709	1.783427811	8.78671E-05	up-regulated gene
IGLV11-55	ENSG00000211641	1.782720687	0.094623991	up-regulated gene
LINC02125	ENSG00000250514	1.781969961	0.124191671	up-regulated gene
AMIGO3	ENSG00000176020	1.781918716	0.000363768	up-regulated gene
BX842568.4	ENSG00000235510	1.781777886	0.077132003	up-regulated gene
LINC01681	ENSG00000233985	1.781516286	0.096649768	up-regulated gene
UBE2T	ENSG00000077152	1.781110443	2.32476E-20	up-regulated gene
AL139274.1	ENSG00000218313	1.780525724	0.058212879	up-regulated gene
Y_RNA	ENSG00000202251	1.779991304	0.004100021	up-regulated gene
KRT18P40	ENSG00000269012	1.779991092	0.005203606	up-regulated gene
AL355987.4	ENSG00000273066	1.779973928	1.6116E-05	up-regulated gene
MIR3944	ENSG00000265395	1.779485542	0.015071207	up-regulated gene
SNTG1	ENSG00000147481	1.779282473	0.01239682	up-regulated gene
EZH1P	ENSG00000187690	1.778962178	0.057957998	up-regulated gene
LINC02416	ENSG00000257924	1.778153788	7.32684E-06	up-regulated gene
FAM225A	ENSG00000231528	1.778113327	1.43117E-05	up-regulated gene
AC114550.1	ENSG00000253130	1.777888442	0.076572464	up-regulated gene
AC021876.1	ENSG00000232627	1.777866068	0.033218547	up-regulated gene

AC243829.5	ENSG00000278097	1.776920201	0.279604955	up-regulated gene
CR1L	ENSG00000197721	1.775945073	0.000323545	up-regulated gene
E2F1	ENSG00000101412	1.775775552	1.51144E-11	up-regulated gene
AC018809.1	ENSG00000269894	1.775611819	6.0502E-08	up-regulated gene
AC096734.1	ENSG00000251517	1.775178974	0.019023856	up-regulated gene
AC027287.2	ENSG00000257870	1.775001787	0.28112212	up-regulated gene
AC007405.2	ENSG00000235934	1.774913529	0.011018093	up-regulated gene
GATA4	ENSG00000136574	1.7744446622	0.035535665	up-regulated gene
LINC02826	ENSG00000275212	1.774154729	0.234560277	up-regulated gene
KRT33A	ENSG00000006059	1.77306516	0.001566763	up-regulated gene
LINC01836	ENSG00000267530	1.773064454	0.000316094	up-regulated gene
H2BP9	ENSG00000231787	1.772681687	0.001501835	up-regulated gene
AL606970.1	ENSG00000224417	1.771941909	0.307690684	up-regulated gene
SYT7	ENSG00000011347	1.771940616	2.15987E-06	up-regulated gene
RPS2P41	ENSG00000244060	1.771838208	0.002809451	up-regulated gene
LINC00922	ENSG00000261742	1.771610851	0.002627597	up-regulated gene
LINC00656	ENSG00000233746	1.770945266	0.008438835	up-regulated gene
AL731563.1	ENSG00000232646	1.770753922	0.011072289	up-regulated gene
MRGPRG-AS1	ENSG00000236301	1.770574552	0.089682179	up-regulated gene
RN7SL8P	ENSG00000243352	1.769563168	0.068431134	up-regulated gene
SYPL1P2	ENSG00000265683	1.76948082	4.53779E-08	up-regulated gene
AC106820.2	ENSG00000259895	1.769367744	0.00019927	up-regulated gene
AL139288.1	ENSG00000231563	1.769305241	1.37377E-06	up-regulated gene
CATIP-AS2	ENSG00000237281	1.769225947	0.00778403	up-regulated gene
FGF22	ENSG00000070388	1.768690212	4.62258E-05	up-regulated gene
AL049794.2	ENSG00000275728	1.768665662	0.003859392	up-regulated gene
RPL35AP28	ENSG00000242041	1.768633281	0.108694532	up-regulated gene
TNFRSF11B	ENSG00000164761	1.768243755	0.000129872	up-regulated gene
ALDOB	ENSG00000136872	1.767555236	0.003949424	up-regulated gene
AP003559.1	ENSG00000256443	1.767186994	3.01819E-05	up-regulated gene
AL390334.1	ENSG00000258932	1.766955053	0.021807305	up-regulated gene
RNA5SP284	ENSG00000207277	1.766933132	0.009976503	up-regulated gene
CCDC140	ENSG00000163081	1.766867936	0.204265203	up-regulated gene
CFAP20DC	ENSG00000163689	1.766644626	9.60473E-06	up-regulated gene
LAGE3P1	ENSG00000225693	1.766303488	9.18844E-07	up-regulated gene
RNU6-77P	ENSG00000222486	1.765742634	0.295898976	up-regulated gene
AC024581.1	ENSG00000249894	1.765528981	0.001743386	up-regulated gene
AL121949.2	ENSG00000218274	1.76545207	0.10143648	up-regulated gene
AL139352.1	ENSG00000132832	1.765267346	0.000133416	up-regulated gene
AC016773.2	ENSG00000270195	1.765208272	8.85442E-10	up-regulated gene
ZP1	ENSG00000149506	1.765048496	0.000163655	up-regulated gene
OR10AC1	ENSG00000176510	1.764284977	0.023230741	up-regulated gene
LINC02860	ENSG00000222004	1.764190326	0.006270528	up-regulated gene
AC087499.2	ENSG00000226521	1.763746437	0.043251341	up-regulated gene
AC007673.1	ENSG00000267311	1.763651825	0.020546949	up-regulated gene
GGH	ENSG00000137563	1.763299139	1.81606E-11	up-regulated gene
AC090227.3	ENSG00000267674	1.763133851	0.055448649	up-regulated gene
SPC25	ENSG00000152253	1.762586442	2.51338E-14	up-regulated gene
AP001619.2	ENSG00000236545	1.762509113	0.000886685	up-regulated gene

HIGD1AP6	ENSG00000253229	1.762224603	0.028867029	up-regulated gene
AC002059.1	ENSG00000273216	1.761923577	3.78265E-05	up-regulated gene
FRG2C	ENSG00000172969	1.761635683	0.032508384	up-regulated gene
AC073210.1	ENSG00000227113	1.761617059	0.000348327	up-regulated gene
AC002310.2	ENSG00000239791	1.761492275	3.36689E-05	up-regulated gene
LINC02633	ENSG00000224265	1.760847775	0.009297192	up-regulated gene
FEZF2	ENSG00000153266	1.760330638	0.374061652	up-regulated gene
FCGR1A	ENSG00000150337	1.760198882	1.70417E-05	up-regulated gene
AC023490.3	ENSG00000277690	1.760160062	0.061966569	up-regulated gene
RPS20P33	ENSG00000242085	1.760024565	8.60857E-12	up-regulated gene
CKS2	ENSG00000123975	1.760009609	1.48758E-17	up-regulated gene
AC104984.5	ENSG00000266987	1.759990664	0.005919096	up-regulated gene
ZNF733P	ENSG00000185037	1.759318725	0.289606454	up-regulated gene
KRTAP3-3	ENSG00000212899	1.75908801	0.499609532	up-regulated gene
NF1P6	ENSG00000224435	1.759026192	0.136771069	up-regulated gene
AC006946.2	ENSG00000273203	1.758921281	0.005425112	up-regulated gene
AC011511.2	ENSG00000266978	1.758372799	0.009546898	up-regulated gene
SLC19A1	ENSG00000173638	1.758208104	1.21213E-18	up-regulated gene
AL110292.1	ENSG00000258081	1.757656673	0.040753337	up-regulated gene
AC116666.1	ENSG00000231937	1.75751699	0.037371618	up-regulated gene
AC108463.3	ENSG00000271590	1.756623597	0.001002329	up-regulated gene
AC008013.1	ENSG00000226472	1.75648077	0.00010254	up-regulated gene
AC002116.2	ENSG00000267698	1.756271763	3.24507E-15	up-regulated gene
AC023908.3	ENSG00000261136	1.755684931	2.39632E-09	up-regulated gene
KCNMB2-AS1	ENSG00000237978	1.755614302	4.00811E-06	up-regulated gene
SCARNA23	ENSG00000251869	1.75554929	0.178797358	up-regulated gene
RARRES2P8	ENSG00000259996	1.755399198	0.318714052	up-regulated gene
Y_RNA	ENSG00000206914	1.755294505	0.001313056	up-regulated gene
LINC01068	ENSG00000227676	1.755171502	0.000162256	up-regulated gene
MIR499A	ENSG00000207635	1.754791056	0.000692996	up-regulated gene
SLC23A3	ENSG00000213901	1.754651523	1.58787E-08	up-regulated gene
AC012462.1	ENSG00000225166	1.754608208	0.032326579	up-regulated gene
LINC02254	ENSG00000259664	1.75446709	0.037397718	up-regulated gene
SLC5A6	ENSG00000138074	1.754319057	1.20755E-16	up-regulated gene
LMO7-AS1	ENSG00000261105	1.754083025	1.35448E-07	up-regulated gene
CECR7	ENSG00000237438	1.753558042	0.002738927	up-regulated gene
AL162734.1	ENSG00000227673	1.753195037	0.02112508	up-regulated gene
ECEL1P3	ENSG00000230122	1.752828682	0.022397671	up-regulated gene
AC005828.7	ENSG00000271919	1.752820309	0.026200017	up-regulated gene
CCL1	ENSG00000108702	1.752572342	0.033681805	up-regulated gene
PAX7	ENSG00000009709	1.752453296	0.091264244	up-regulated gene
CCL7	ENSG00000108688	1.752415821	0.002666919	up-regulated gene
AC091046.1	ENSG00000182625	1.752311502	0.060059695	up-regulated gene
AC024884.1	ENSG00000274569	1.751978421	0.00148915	up-regulated gene
OR10H1	ENSG00000186723	1.751761392	0.004025103	up-regulated gene
AC079907.1	ENSG00000257222	1.751404129	3.05286E-11	up-regulated gene
PRDM12	ENSG00000130711	1.751156933	2.38724E-05	up-regulated gene
SALRNA1	ENSG00000258952	1.751054106	0.000321355	up-regulated gene
CLDN3	ENSG00000165215	1.75099395	0.004067259	up-regulated gene

DIAPH3	ENSG00000139734	1.750894274	2.334E-11	up-regulated gene
AC124856.1	ENSG00000268105	1.750278771	0.007884281	up-regulated gene
CCL18	ENSG00000275385	1.749854174	0.00136061	up-regulated gene
NANOGP1	ENSG00000176654	1.749591529	0.069967432	up-regulated gene
AL512637.1	ENSG00000215796	1.749049589	0.015162687	up-regulated gene
AC100821.2	ENSG00000260955	1.749005255	7.73575E-06	up-regulated gene
CHTF18	ENSG00000127586	1.748635473	6.43661E-19	up-regulated gene
AC004707.1	ENSG00000253102	1.747897132	0.000133268	up-regulated gene
JSRP1	ENSG00000167476	1.747525226	7.89473E-05	up-regulated gene
MIR924HG	ENSG00000267374	1.747217926	5.32778E-05	up-regulated gene
PLK4	ENSG00000142731	1.7471382	6.96421E-21	up-regulated gene
PADI6	ENSG00000276747	1.747030801	0.025807183	up-regulated gene
FBXO36P1	ENSG00000266117	1.746647859	0.009261412	up-regulated gene
AC022762.1	ENSG00000254444	1.746636864	0.019413638	up-regulated gene
AL109983.1	ENSG00000271426	1.746265176	0.002934576	up-regulated gene
AP000569.1	ENSG00000273102	1.745969009	0.001805361	up-regulated gene
RAC1P9	ENSG00000271306	1.745805781	0.118136072	up-regulated gene
IFIT3	ENSG00000119917	1.745587018	4.44164E-06	up-regulated gene
BCAS2P1	ENSG00000255051	1.745520974	0.109785531	up-regulated gene
SEPTIN4-AS1	ENSG00000264672	1.745408678	1.07063E-08	up-regulated gene
SGK2	ENSG00000101049	1.74505865	0.001173379	up-regulated gene
SHOC1	ENSG00000165181	1.745057922	1.05446E-05	up-regulated gene
Z99127.1	ENSG00000235869	1.744755387	0.025629298	up-regulated gene
LINC02004	ENSG00000240006	1.744438049	0.000427051	up-regulated gene
NKAIN1	ENSG00000084628	1.744258692	0.000183695	up-regulated gene
PPIAP45	ENSG00000258116	1.743975098	7.47058E-07	up-regulated gene
AC044784.1	ENSG00000223808	1.74383509	0.15633854	up-regulated gene
MIR6832	ENSG00000274494	1.743492935	0.00312114	up-regulated gene
RASGRF1	ENSG00000058335	1.743357804	5.44491E-05	up-regulated gene
AC092447.5	ENSG00000233288	1.743353067	0.117616443	up-regulated gene
RNU4-25P	ENSG00000222501	1.743184688	0.015886119	up-regulated gene
RANBP20P	ENSG00000259144	1.742569733	0.013398357	up-regulated gene
AL355488.1	ENSG00000273373	1.740749624	5.3853E-15	up-regulated gene
AC024361.3	ENSG00000263321	1.740217866	5.8479E-06	up-regulated gene
AP002812.2	ENSG00000254459	1.740084106	0.000272749	up-regulated gene
AF127936.1	ENSG00000232884	1.739570013	0.001089761	up-regulated gene
AC093844.1	ENSG00000250292	1.739553754	0.059084154	up-regulated gene
AL121899.1	ENSG00000226644	1.739136273	0.000232737	up-regulated gene
BNIP3P27	ENSG00000268438	1.738999959	0.00047104	up-regulated gene
PILRB	ENSG00000121716	1.738854584	5.80072E-09	up-regulated gene
HTR5BP	ENSG00000125631	1.738696795	0.000260237	up-regulated gene
AC011446.1	ENSG00000267512	1.738307793	0.000525755	up-regulated gene
NPIP13	ENSG00000198064	1.737537544	0.000255514	up-regulated gene
CEP55	ENSG00000138180	1.737476359	2.08869E-13	up-regulated gene
AP000864.1	ENSG00000272788	1.736458209	5.4025E-05	up-regulated gene
LINC00648	ENSG00000259129	1.736396338	0.051877398	up-regulated gene
SLC23A1	ENSG00000170482	1.734958393	1.1951E-05	up-regulated gene
LRRC37A12P	ENSG00000229259	1.734938219	0.064286731	up-regulated gene
AC010328.1	ENSG00000267943	1.734804137	0.000826516	up-regulated gene

AL354877.1	ENSG00000224067	1.734624797	2.64956E-06	up-regulated gene
AC087884.1	ENSG00000244540	1.734093771	0.015832829	up-regulated gene
PCDHA1	ENSG00000204970	1.733741469	0.007345127	up-regulated gene
TUBB3P1	ENSG00000220418	1.733534717	0.019134431	up-regulated gene
DTL	ENSG00000143476	1.733465313	2.29217E-14	up-regulated gene
RNA5SP268	ENSG00000252637	1.733069954	0.050677924	up-regulated gene
IGHJ2	ENSG00000211904	1.731733686	0.011167207	up-regulated gene
HERC2P8	ENSG00000261599	1.731484807	0.019635092	up-regulated gene
AC020922.3	ENSG00000269275	1.731186181	2.88651E-05	up-regulated gene
LINC01582	ENSG00000259611	1.730955283	0.300239863	up-regulated gene
OR9A4	ENSG00000258083	1.730904125	0.056858287	up-regulated gene
GAPDHP32	ENSG00000226443	1.730815925	0.002150581	up-regulated gene
TLX3	ENSG00000164438	1.730609699	0.041706491	up-regulated gene
AC073370.1	ENSG00000230526	1.729619959	0.014677406	up-regulated gene
AL445209.1	ENSG00000271776	1.729585076	0.045750561	up-regulated gene
MKRN2OS	ENSG00000225526	1.729475796	1.68452E-07	up-regulated gene
LGALS7B	ENSG00000178934	1.729203008	0.018992504	up-regulated gene
PPP1R14B-AS1	ENSG00000256940	1.729066854	4.14178E-09	up-regulated gene
AL683887.1	ENSG00000271252	1.728862397	0.189246027	up-regulated gene
AC019080.4	ENSG00000271996	1.728818021	0.038118207	up-regulated gene
IQCM	ENSG00000234828	1.728583849	0.004571455	up-regulated gene
AL031665.1	ENSG00000274269	1.728529475	0.00464966	up-regulated gene
AD000813.1	ENSG00000280023	1.728321795	0.007308963	up-regulated gene
MIR6745	ENSG00000275208	1.727393709	0.002801328	up-regulated gene
MELTF-AS1	ENSG00000228109	1.727297942	1.424E-11	up-regulated gene
AC018904.1	ENSG00000259250	1.727288998	1.12955E-08	up-regulated gene
GCG	ENSG00000115263	1.726980913	0.232867242	up-regulated gene
BRCA2	ENSG00000139618	1.726526041	3.98718E-14	up-regulated gene
OFCC1	ENSG00000181355	1.726373317	0.002271806	up-regulated gene
CHEK2P2	ENSG00000259156	1.726343838	0.223616092	up-regulated gene
DDIAS	ENSG00000165490	1.72629421	6.50907E-16	up-regulated gene
UGT2B15	ENSG00000196620	1.725706954	0.020372189	up-regulated gene
PPP1R14BP2	ENSG00000213082	1.724959553	5.36851E-05	up-regulated gene
SNX10	ENSG00000086300	1.724845962	3.67715E-10	up-regulated gene
H1-1	ENSG00000124610	1.724805802	0.112294729	up-regulated gene
IGLV6-57	ENSG00000211640	1.724295715	0.005930537	up-regulated gene
LINC02408	ENSG00000203585	1.724234693	0.000597322	up-regulated gene
USP41	ENSG00000161133	1.724006542	0.008594587	up-regulated gene
OR7E121P	ENSG00000244222	1.723895106	0.019583749	up-regulated gene
LRP8	ENSG00000157193	1.723726997	6.15959E-09	up-regulated gene
Metazoa_SRP	ENSG00000276645	1.723641332	0.018776188	up-regulated gene
UGT2B27P	ENSG00000251685	1.723138831	0.150823415	up-regulated gene
CTB-178M22.2	ENSG00000253978	1.722949684	9.84862E-05	up-regulated gene
ATP1A3	ENSG00000105409	1.722904556	8.97452E-05	up-regulated gene
WNT2	ENSG00000105989	1.722893346	6.16766E-05	up-regulated gene
BUB1	ENSG00000169679	1.722468899	1.8327E-15	up-regulated gene
LINC02732	ENSG00000254416	1.72236395	0.015852011	up-regulated gene
AL355303.1	ENSG00000231039	1.722291656	0.036097618	up-regulated gene
AL645608.4	ENSG00000241180	1.722286263	0.077445149	up-regulated gene

AC083880.1	ENSG00000273391	1.722065498	6.77341E-12	up-regulated gene
SNRPGP5	ENSG00000235763	1.721697849	0.014473214	up-regulated gene
BPIFB1	ENSG00000125999	1.721424989	0.016288091	up-regulated gene
MAD2L1	ENSG00000164109	1.721224187	2.95407E-15	up-regulated gene
AC068299.2	ENSG00000280270	1.7210696	0.055672546	up-regulated gene
LINC01060	ENSG00000249378	1.720368526	0.007039574	up-regulated gene
TONSL	ENSG00000160949	1.720308428	7.73895E-23	up-regulated gene
MTND4P24	ENSG00000232177	1.72002283	0.004926592	up-regulated gene
C12orf77	ENSG00000226397	1.719922238	0.079495851	up-regulated gene
AC126763.1	ENSG00000257391	1.719758989	0.030600124	up-regulated gene
LEXM	ENSG00000162398	1.719652621	0.0001701	up-regulated gene
CACNA1E	ENSG00000198216	1.719388053	0.000872213	up-regulated gene
AL356056.1	ENSG00000229227	1.71921281	0.021538258	up-regulated gene
CP	ENSG00000047457	1.718916905	0.004958984	up-regulated gene
GABRD	ENSG00000187730	1.718800126	2.74963E-07	up-regulated gene
PNLDC1	ENSG00000146453	1.7180136	0.002390459	up-regulated gene
OR8B7P	ENSG00000254976	1.717697951	0.083453772	up-regulated gene
AP003721.1	ENSG00000256196	1.717417566	0.000795347	up-regulated gene
UGT2A1	ENSG00000173610	1.717136645	0.034851005	up-regulated gene
AC026471.3	ENSG00000260740	1.71666128	0.000882984	up-regulated gene
AC243829.2	ENSG00000276241	1.716506643	0.022990238	up-regulated gene
AC008649.1	ENSG00000267291	1.716484252	0.012165858	up-regulated gene
EREG	ENSG00000124882	1.716386727	0.007783801	up-regulated gene
AADAC	ENSG00000114771	1.716151865	0.010771292	up-regulated gene
SRY	ENSG00000184895	1.716129431	0.059443202	up-regulated gene
EZH2	ENSG00000106462	1.715873371	8.36582E-16	up-regulated gene
AC117834.1	ENSG00000253197	1.715873066	0.013624965	up-regulated gene
AP006545.2	ENSG00000272128	1.715730608	9.29592E-06	up-regulated gene
AC211476.2	ENSG00000272843	1.71563709	6.73767E-06	up-regulated gene
AC068790.5	ENSG00000270061	1.715375407	3.09628E-05	up-regulated gene
AC091212.1	ENSG00000239462	1.715048585	0.021108856	up-regulated gene
MAGEA2B	ENSG00000183305	1.714923635	0.070692363	up-regulated gene
AC079741.1	ENSG00000180019	1.714903079	0.001989511	up-regulated gene
BPIFA1	ENSG00000198183	1.714541755	0.09771712	up-regulated gene
AL133319.1	ENSG00000236378	1.714136653	0.301200799	up-regulated gene
GSTA1	ENSG00000243955	1.713872901	0.023342833	up-regulated gene
SPAG4	ENSG00000061656	1.713518702	6.15238E-09	up-regulated gene
LRRC26	ENSG00000184709	1.712832763	0.003487249	up-regulated gene
DEUP1	ENSG00000165325	1.712755699	0.006472222	up-regulated gene
AL356867.1	ENSG00000234262	1.712260003	0.01185353	up-regulated gene
RNU6-1278P	ENSG00000251939	1.711899161	0.002928382	up-regulated gene
AC061975.5	ENSG00000266306	1.711284921	0.024242395	up-regulated gene
AC011944.1	ENSG00000177699	1.710977106	0.000284431	up-regulated gene
VTRNA1-2	ENSG00000202111	1.71077351	0.029836816	up-regulated gene
RNF14P1	ENSG00000232915	1.710134519	0.09141877	up-regulated gene
AC010422.2	ENSG00000268945	1.709855643	3.17306E-07	up-regulated gene
RP1	ENSG00000104237	1.709583068	0.016844374	up-regulated gene
RN7SL45P	ENSG00000264862	1.70954013	0.028953122	up-regulated gene
MYBPH	ENSG00000133055	1.709170202	0.010261268	up-regulated gene

MIR25	ENSG00000207547	1.708654432	5.44558E-09	up-regulated gene
AP002498.1	ENSG00000254988	1.708615194	0.049469697	up-regulated gene
MIR9-3HG	ENSG00000255571	1.708068974	0.000317902	up-regulated gene
BX842568.2	ENSG00000223723	1.70780515	0.000714216	up-regulated gene
AC099552.1	ENSG00000217825	1.707719303	0.087631159	up-regulated gene
HES2	ENSG00000069812	1.706793567	0.00119449	up-regulated gene
AC110760.2	ENSG00000250315	1.706455923	0.021362526	up-regulated gene
AC011503.1	ENSG00000269289	1.706355291	0.00586358	up-regulated gene
PSMD10P2	ENSG00000226652	1.70612553	0.003631657	up-regulated gene
CDK2AP2P2	ENSG00000237451	1.706025181	6.89865E-06	up-regulated gene
ANAPC10P1	ENSG00000213735	1.705946537	0.011281186	up-regulated gene
LINC02055	ENSG00000254101	1.705224289	0.080271096	up-regulated gene
AL357153.1	ENSG00000245466	1.70520024	0.000702073	up-regulated gene
SUN3	ENSG00000164744	1.704760068	0.000341443	up-regulated gene
SFR1P1	ENSG00000227541	1.70443114	0.030938394	up-regulated gene
POU5F1P5	ENSG00000236375	1.704322787	0.045668767	up-regulated gene
AP005432.1	ENSG00000266805	1.704229834	0.000323836	up-regulated gene
AL354707.2	ENSG00000232946	1.704024106	0.01676334	up-regulated gene
AC100860.1	ENSG00000253266	1.703892705	0.002024992	up-regulated gene
AC130324.1	ENSG00000263531	1.703759971	3.44678E-06	up-regulated gene
CAMKV	ENSG00000164076	1.703059454	0.006998786	up-regulated gene
FAAHP1	ENSG00000232022	1.702843891	2.60131E-06	up-regulated gene
PROC	ENSG00000115718	1.702825027	1.60018E-05	up-regulated gene
LINC01708	ENSG00000224445	1.702363875	0.080082673	up-regulated gene
AP005230.1	ENSG00000263745	1.702149202	5.96156E-06	up-regulated gene
AL137803.1	ENSG00000230863	1.701890729	0.001393316	up-regulated gene
BMP8B	ENSG00000116985	1.701565749	6.47319E-08	up-regulated gene
AC012363.1	ENSG00000224789	1.70146468	0.203311489	up-regulated gene
AC023509.5	ENSG00000275488	1.701395868	0.011346922	up-regulated gene
AL391152.1	ENSG00000258592	1.701261012	0.000173722	up-regulated gene
SNORA14B	ENSG00000207181	1.701146399	0.000187268	up-regulated gene
NKILA	ENSG00000278709	1.700802296	3.0416E-05	up-regulated gene
AC004466.3	ENSG00000276691	1.699489569	7.50719E-06	up-regulated gene
SLCO1B7	ENSG00000205754	1.699177416	0.120474005	up-regulated gene
RPL30P11	ENSG00000244573	1.699140751	0.013577284	up-regulated gene
AC003965.2	ENSG00000263325	1.698624736	0.000194111	up-regulated gene
COCH	ENSG00000100473	1.698388754	8.31841E-05	up-regulated gene
AC104662.1	ENSG00000271172	1.698334485	0.018603131	up-regulated gene
LINC02506	ENSG00000251129	1.698165691	0.072061585	up-regulated gene
BTBD7P1	ENSG00000203414	1.697891059	0.004732252	up-regulated gene
CCKBR	ENSG00000110148	1.697793045	0.053786874	up-regulated gene
KLKP1	ENSG00000197588	1.697779293	0.049814544	up-regulated gene
ZFPM2-AS1	ENSG00000251003	1.697750085	0.000184711	up-regulated gene
LINC01555	ENSG00000180869	1.697432195	0.034796368	up-regulated gene
CDKL4	ENSG00000205111	1.697170506	0.000344353	up-regulated gene
AC110998.1	ENSG00000253223	1.697078503	0.006325886	up-regulated gene
AC073283.1	ENSG00000225187	1.697003193	0.000658811	up-regulated gene
DPRXP4	ENSG00000264743	1.696772086	3.3148E-06	up-regulated gene
AC024267.5	ENSG00000265908	1.696635677	0.003718348	up-regulated gene

TINAGL1	ENSG00000142910	1.695999572	7.11758E-08	up-regulated gene
AP001626.1	ENSG00000235023	1.694731152	0.001919516	up-regulated gene
TSPEAR-AS1	ENSG00000235890	1.694659183	0.011692884	up-regulated gene
ENPP7P8	ENSG00000255319	1.693669806	0.019366654	up-regulated gene
AC131009.2	ENSG00000256955	1.693618755	0.013896252	up-regulated gene
RNU4ATAC12P	ENSG00000252269	1.693381777	0.031333771	up-regulated gene
TMEFF1	ENSG00000241697	1.692865374	0.008020138	up-regulated gene
KRTAP11-1	ENSG00000182591	1.692559261	0.378933514	up-regulated gene
IFNG	ENSG00000111537	1.692532967	0.00434659	up-regulated gene
ACTBP8	ENSG00000220267	1.692337924	0.004611068	up-regulated gene
AL929601.3	ENSG00000275563	1.691340219	0.224471114	up-regulated gene
VWDE	ENSG00000146530	1.690703051	0.000977282	up-regulated gene
FAM71F1	ENSG00000135248	1.690552286	0.012772261	up-regulated gene
LINC01731	ENSG00000234283	1.690548577	0.022625585	up-regulated gene
OR10V3P	ENSG00000254743	1.690262821	0.079096499	up-regulated gene
AC011921.1	ENSG00000259349	1.688552464	3.85681E-07	up-regulated gene
AC037486.1	ENSG00000254303	1.688281521	0.014163927	up-regulated gene
VPS26AP1	ENSG00000240375	1.688209009	0.022728671	up-regulated gene
FOXJ1	ENSG00000129654	1.687313976	0.00572085	up-regulated gene
KNL1	ENSG00000137812	1.687059501	3.58746E-13	up-regulated gene
AC005828.4	ENSG00000265282	1.686782364	3.79135E-05	up-regulated gene
CLEC18A	ENSG00000157322	1.686364047	3.2363E-05	up-regulated gene
CEACAM20	ENSG00000273777	1.686193641	0.011647566	up-regulated gene
PPP1R14C	ENSG00000198729	1.685894922	0.00127928	up-regulated gene
AL513523.1	ENSG00000223599	1.685818145	0.000107761	up-regulated gene
AL136038.5	ENSG00000261242	1.685605984	3.7862E-06	up-regulated gene
AC132219.1	ENSG00000253334	1.685421149	0.005918314	up-regulated gene
EFNA3	ENSG00000143590	1.685074091	5.94192E-09	up-regulated gene
TFAP2A-AS1	ENSG00000229950	1.684984497	4.46822E-09	up-regulated gene
KRT28	ENSG00000173908	1.684768093	0.328484949	up-regulated gene
AC020917.2	ENSG00000267703	1.684556953	0.005116939	up-regulated gene
AC011465.1	ENSG00000268764	1.684492086	0.00155848	up-regulated gene
AC034111.1	ENSG00000260093	1.684491802	0.012471238	up-regulated gene
LINC00705	ENSG00000225269	1.684408063	0.011977693	up-regulated gene
AP000997.4	ENSG00000279771	1.683996607	0.054862933	up-regulated gene
MIR149	ENSG00000207611	1.683728018	0.034204118	up-regulated gene
C1orf61	ENSG00000125462	1.683420438	0.001343523	up-regulated gene
LCN12	ENSG00000184925	1.683082647	7.55064E-06	up-regulated gene
AC004943.3	ENSG00000279206	1.682753527	0.000216711	up-regulated gene
LINC01030	ENSG00000253799	1.682688036	0.041475459	up-regulated gene
AKR1B1P7	ENSG00000266899	1.682677613	0.018558179	up-regulated gene
AC011005.4	ENSG00000243230	1.682574085	0.00172998	up-regulated gene
AC020915.3	ENSG00000268866	1.682488214	0.00961278	up-regulated gene
CTAGE15	ENSG00000271079	1.681900488	0.003443203	up-regulated gene
AC022148.2	ENSG00000267115	1.681528478	0.002655407	up-regulated gene
GJB1	ENSG00000169562	1.681162	0.014812065	up-regulated gene
PROSER2	ENSG00000148426	1.680547019	1.53048E-08	up-regulated gene
FBXL6	ENSG00000182325	1.680509783	1.39207E-21	up-regulated gene
VPS9D1-AS1	ENSG00000261373	1.680219167	1.1858E-07	up-regulated gene

AC110285.2	ENSG00000262877	1.680106818	3.24585E-05	up-regulated gene
ECT2	ENSG00000114346	1.679932676	1.17452E-14	up-regulated gene
IGLV7-43	ENSG00000211652	1.67990327	0.007647595	up-regulated gene
FOXD2-AS1	ENSG00000237424	1.679851007	1.54752E-10	up-regulated gene
GAPDHP51	ENSG00000236973	1.679526536	0.044907561	up-regulated gene
DDX12P	ENSG00000214826	1.679447999	2.40596E-14	up-regulated gene
E2F3-IT1	ENSG00000224707	1.679220323	0.069532368	up-regulated gene
RPS3AP3	ENSG00000231241	1.678883749	0.008690635	up-regulated gene
AC093012.1	ENSG00000257896	1.678876272	0.001922488	up-regulated gene
AC011503.3	ENSG00000269421	1.678829238	0.000222059	up-regulated gene
AC073111.1	ENSG00000239377	1.678743579	0.000653927	up-regulated gene
AL158166.2	ENSG00000232259	1.67731433	0.000646369	up-regulated gene
SERPINA7	ENSG00000123561	1.677039804	0.128120417	up-regulated gene
TMPOP2	ENSG00000262904	1.676853001	1.45343E-06	up-regulated gene
Y_RNA	ENSG00000252202	1.676772509	2.34322E-06	up-regulated gene
TRIB3	ENSG00000101255	1.676005484	1.73018E-09	up-regulated gene
AC022031.2	ENSG00000267284	1.675931632	0.025849542	up-regulated gene
AC004817.3	ENSG00000269927	1.675779875	0.005421735	up-regulated gene
AC011481.1	ENSG00000267114	1.675660975	9.09024E-08	up-regulated gene
KNTC1	ENSG00000184445	1.674276831	6.64071E-20	up-regulated gene
AL121832.1	ENSG00000233017	1.674257064	0.00068567	up-regulated gene
RNU6-218P	ENSG00000252929	1.674029593	0.009267408	up-regulated gene
GRB7	ENSG00000141738	1.673951492	8.43065E-07	up-regulated gene
RNU1-16P	ENSG00000202347	1.673947483	0.008941788	up-regulated gene
PPEF1	ENSG00000086717	1.673877937	1.46999E-05	up-regulated gene
AC005009.1	ENSG00000231255	1.673566056	0.004794768	up-regulated gene
Z94721.1	ENSG00000227598	1.673471854	2.2544E-06	up-regulated gene
NDUFS5P2	ENSG00000234226	1.673225106	0.024698579	up-regulated gene
SCARNA18	ENSG00000238835	1.672814871	0.133888348	up-regulated gene
FANCD2	ENSG00000144554	1.672557667	1.04939E-19	up-regulated gene
TBC1D3P7	ENSG00000233014	1.672495705	0.015400631	up-regulated gene
UNC13D	ENSG00000092929	1.672280448	8.87942E-08	up-regulated gene
YWHAQP5	ENSG00000236564	1.672060587	0.046255563	up-regulated gene
AL138830.2	ENSG00000232395	1.672033453	0.201813697	up-regulated gene
PPIAP28	ENSG00000226633	1.67098353	0.006622377	up-regulated gene
CYP4F27P	ENSG00000248313	1.669972726	0.082330675	up-regulated gene
ATAD5	ENSG00000176208	1.669875498	1.37843E-17	up-regulated gene
TTC3-AS1	ENSG00000228677	1.669666407	1.77656E-05	up-regulated gene
KCNH6	ENSG00000173826	1.669474387	0.007197513	up-regulated gene
AL136528.1	ENSG00000227589	1.669424309	0.031248715	up-regulated gene
RC3H1-IT1	ENSG00000236535	1.669413869	0.063848439	up-regulated gene
H2AC5P	ENSG00000234816	1.669409216	0.01544764	up-regulated gene
HILPDA	ENSG00000135245	1.668730271	3.49982E-08	up-regulated gene
AL139289.1	ENSG00000234694	1.66860581	5.13324E-10	up-regulated gene
RNU6-762P	ENSG00000252916	1.668247142	4.91756E-06	up-regulated gene
CHAF1B	ENSG00000159259	1.668119518	1.07282E-15	up-regulated gene
LRRC52-AS1	ENSG00000237463	1.668113751	0.158234049	up-regulated gene
ARHGAP39	ENSG00000147799	1.668025196	2.0388E-24	up-regulated gene
WDR93	ENSG00000140527	1.667933622	7.24034E-07	up-regulated gene

AP001207.3	ENSG00000254024	1.667896512	0.000686241	up-regulated gene
LINC01924	ENSG00000267134	1.667732947	0.088017853	up-regulated gene
AC093520.2	ENSG00000261245	1.667010074	0.009330956	up-regulated gene
ZFP57	ENSG00000204644	1.666721202	0.018700295	up-regulated gene
AC008738.6	ENSG00000270212	1.666599006	0.016716891	up-regulated gene
AC020934.1	ENSG00000267424	1.666394139	0.028991106	up-regulated gene
SOX4	ENSG00000124766	1.666176215	7.63429E-12	up-regulated gene
USP32P3	ENSG00000189423	1.666175119	0.000161882	up-regulated gene
LINC02584	ENSG00000254417	1.66586142	0.005599506	up-regulated gene
AC008883.1	ENSG00000248758	1.665829529	0.02017053	up-regulated gene
TREML3P	ENSG00000184106	1.665818494	0.002882341	up-regulated gene
AC007731.1	ENSG00000215493	1.665627245	2.69105E-07	up-regulated gene
CENPF	ENSG00000117724	1.665558934	3.47937E-12	up-regulated gene
SCNN1G	ENSG00000166828	1.665403144	0.002919836	up-regulated gene
LDHC	ENSG00000166796	1.665153361	0.016752986	up-regulated gene
AL049539.1	ENSG00000275576	1.66514167	2.60649E-05	up-regulated gene
AC004449.1	ENSG00000261204	1.665066854	5.30921E-05	up-regulated gene
AC090774.2	ENSG00000266369	1.665023807	0.065330591	up-regulated gene
C19orf81	ENSG00000235034	1.664786738	0.010383132	up-regulated gene
EPHB2	ENSG00000133216	1.664526889	6.47861E-08	up-regulated gene
CARS1P2	ENSG00000253756	1.664256955	0.074963861	up-regulated gene
AL355916.1	ENSG00000232774	1.664078602	6.23598E-06	up-regulated gene
C7orf61	ENSG00000185955	1.663312671	5.21012E-09	up-regulated gene
KRT20	ENSG00000171431	1.662549017	0.018031662	up-regulated gene
LINC00664	ENSG00000268658	1.662516301	0.000322441	up-regulated gene
MTBP	ENSG00000172167	1.662379379	4.18671E-18	up-regulated gene
AC037487.1	ENSG00000265912	1.662291992	9.87674E-05	up-regulated gene
AC026120.1	ENSG00000278399	1.662166446	0.000182239	up-regulated gene
GRIN2B	ENSG00000273079	1.66175696	0.011071053	up-regulated gene
BAIAP2L2	ENSG00000128298	1.661374835	7.75571E-05	up-regulated gene
PLEKHG4	ENSG00000196155	1.661321557	7.26474E-06	up-regulated gene
CCDC144NL-AS1	ENSG00000233098	1.661198876	0.00104429	up-regulated gene
AC092757.1	ENSG00000241640	1.661196224	0.030912614	up-regulated gene
CCDC144CP	ENSG00000154898	1.66042647	0.000762052	up-regulated gene
AC036176.2	ENSG00000267430	1.66000189	0.005979461	up-regulated gene
SPEM1	ENSG00000181323	1.65988963	0.029098675	up-regulated gene
TRBV6-7	ENSG00000253188	1.659715115	0.053596368	up-regulated gene
NUP210	ENSG00000132182	1.659469808	6.37676E-08	up-regulated gene
ZDHHC19	ENSG00000163958	1.659071474	0.000189225	up-regulated gene
AC092964.1	ENSG00000279862	1.657867696	7.99172E-06	up-regulated gene
IGHG4	ENSG00000211892	1.657621021	0.005516634	up-regulated gene
CLYBL-AS2	ENSG00000227659	1.657403546	0.010134803	up-regulated gene
ZAR1	ENSG00000182223	1.657299382	0.011841084	up-regulated gene
RN7SKP248	ENSG00000252087	1.657264636	0.041837104	up-regulated gene
AC022034.3	ENSG00000253369	1.657246796	0.006510862	up-regulated gene
AC060814.2	ENSG00000268531	1.657052423	0.14312012	up-regulated gene
CASC19	ENSG00000254166	1.656984502	0.04308653	up-regulated gene
ECE2	ENSG00000145194	1.656906555	1.14485E-16	up-regulated gene
LINC01740	ENSG00000228067	1.656903456	0.014768959	up-regulated gene

ARHGEF39	ENSG00000137135	1.655999748	2.88204E-16	up-regulated gene
TEX101	ENSG00000131126	1.655911083	0.018613546	up-regulated gene
AC002044.3	ENSG00000280092	1.655354806	0.019960188	up-regulated gene
AC079075.1	ENSG00000259561	1.655276621	0.030719353	up-regulated gene
AC136759.1	ENSG00000205035	1.655178191	0.10784068	up-regulated gene
CR392039.3	ENSG00000279414	1.655079482	0.010853154	up-regulated gene
AL365223.1	ENSG00000213109	1.654917082	0.017035245	up-regulated gene
BX842568.3	ENSG00000231069	1.654775343	0.008296415	up-regulated gene
AC023043.4	ENSG00000274849	1.654760945	7.67335E-11	up-regulated gene
APOA1	ENSG00000118137	1.654738369	0.003609171	up-regulated gene
AC092894.1	ENSG00000243081	1.654638902	0.087959937	up-regulated gene
AC078795.1	ENSG00000269984	1.654449689	9.22436E-07	up-regulated gene
MUC6	ENSG00000184956	1.654187134	0.004080632	up-regulated gene
DNA2	ENSG00000138346	1.654096438	1.24036E-19	up-regulated gene
AC020922.1	ENSG00000267706	1.653664972	0.011701941	up-regulated gene
CDC25A	ENSG00000164045	1.653390451	2.45815E-14	up-regulated gene
AL049870.3	ENSG00000258949	1.653340809	0.000930005	up-regulated gene
AC007240.1	ENSG00000206647	1.653146192	0.001231863	up-regulated gene
AP001207.2	ENSG00000253991	1.652771359	0.007955272	up-regulated gene
C12orf75	ENSG00000235162	1.652208064	1.13527E-05	up-regulated gene
AC125611.1	ENSG00000257464	1.65126971	0.000170348	up-regulated gene
SIX3-AS1	ENSG00000236502	1.651145287	0.018028608	up-regulated gene
AC073342.1	ENSG00000231840	1.650989647	0.005451622	up-regulated gene
RHOXF1P1	ENSG00000234493	1.650695316	0.102852444	up-regulated gene
STMN1	ENSG00000117632	1.650635015	6.36747E-13	up-regulated gene
AL049794.1	ENSG00000273998	1.650076494	1.64221E-05	up-regulated gene
AL713866.1	ENSG00000261642	1.650055527	0.245748428	up-regulated gene
CYP3A7	ENSG00000160870	1.650033285	0.000177078	up-regulated gene
EPCAM	ENSG00000119888	1.649229234	1.31461E-07	up-regulated gene
RN7SL552P	ENSG00000239466	1.648813058	0.020074174	up-regulated gene
PHBP21	ENSG00000260326	1.648649056	0.001820187	up-regulated gene
LINC01309	ENSG00000234551	1.64857883	0.227742077	up-regulated gene
AP001099.1	ENSG00000265728	1.648092738	0.013438886	up-regulated gene
AC025031.2	ENSG00000258096	1.647704188	0.001836631	up-regulated gene
TINCR	ENSG00000223573	1.647611957	2.6879E-05	up-regulated gene
LINC01918	ENSG00000226508	1.647571012	0.010013007	up-regulated gene
AC080080.1	ENSG00000279048	1.647353624	5.13102E-10	up-regulated gene
MESTIT1	ENSG00000272701	1.64712359	0.000134704	up-regulated gene
HMGB2P1	ENSG00000267736	1.647018424	0.003683033	up-regulated gene
AC097724.1	ENSG00000273233	1.64698813	0.003235554	up-regulated gene
AL355482.1	ENSG00000224810	1.646958212	0.026342738	up-regulated gene
CCDC189	ENSG00000196118	1.646879956	1.2427E-12	up-regulated gene
PSMC1P11	ENSG00000217385	1.645866319	0.01144799	up-regulated gene
AC099778.2	ENSG00000276925	1.64585387	0.003970759	up-regulated gene
EFCAB3	ENSG00000172421	1.645393384	0.017971142	up-regulated gene
AC010969.1	ENSG00000188525	1.644936752	0.019112341	up-regulated gene
AKR1C8P	ENSG00000264006	1.644811069	0.030969811	up-regulated gene
PDCL3P3	ENSG00000214286	1.644629397	0.004381117	up-regulated gene
AL390964.1	ENSG00000277047	1.644516713	0.193963348	up-regulated gene

CARD17	ENSG00000255221	1.644289973	0.011918927	up-regulated gene
RN7SKP185	ENSG00000199683	1.644285334	0.065663305	up-regulated gene
DBNDD1	ENSG00000003249	1.644244142	7.27885E-08	up-regulated gene
AC004080.4	ENSG00000270182	1.644203683	0.002616836	up-regulated gene
SLC28A1	ENSG00000156222	1.644141979	0.000541848	up-regulated gene
AC007490.1	ENSG00000279427	1.64385218	0.020986217	up-regulated gene
UBE2V1P1	ENSG00000226632	1.643707603	0.00143511	up-regulated gene
PGGHG	ENSG00000142102	1.642803058	9.47391E-07	up-regulated gene
AC152010.1	ENSG00000224931	1.642774479	0.44232178	up-regulated gene
SUGT1-DT	ENSG00000273723	1.641914519	8.12291E-12	up-regulated gene
AC009804.1	ENSG00000274879	1.641846572	0.066893243	up-regulated gene
MIR320C1	ENSG00000221493	1.641529537	0.115732005	up-regulated gene
AC087301.1	ENSG00000265010	1.641164063	0.000198245	up-regulated gene
ZNF737	ENSG00000237440	1.640842707	0.000154131	up-regulated gene
TYMP	ENSG00000025708	1.640759714	1.1261E-05	up-regulated gene
AC091053.2	ENSG00000254900	1.640023635	0.011726376	up-regulated gene
AL603839.1	ENSG00000227278	1.639975157	0.009186529	up-regulated gene
RFX8	ENSG00000196460	1.63986016	9.34487E-05	up-regulated gene
AL121989.1	ENSG00000267734	1.639665759	0.007694056	up-regulated gene
AC008667.1	ENSG00000249526	1.639497282	0.017076826	up-regulated gene
AC006058.4	ENSG00000280435	1.63927534	0.006104706	up-regulated gene
AL590627.2	ENSG00000274841	1.639177003	0.045014234	up-regulated gene
TREM1	ENSG00000124731	1.63906617	0.000603955	up-regulated gene
PRDX3P2	ENSG00000231468	1.639061586	0.000429839	up-regulated gene
RN7SL434P	ENSG00000241868	1.639036649	0.06085566	up-regulated gene
AL391845.1	ENSG00000226969	1.639033029	0.008475765	up-regulated gene
SINHC AFP3	ENSG00000253488	1.638480223	0.018226771	up-regulated gene
AC091812.3	ENSG00000275875	1.638306939	0.02203071	up-regulated gene
LINC02531	ENSG00000220908	1.638036079	0.383787175	up-regulated gene
AL645940.1	ENSG00000272217	1.638002494	3.42544E-06	up-regulated gene
AC011447.2	ENSG00000267220	1.637484555	0.007607592	up-regulated gene
AL139424.1	ENSG00000271989	1.637483921	0.001591691	up-regulated gene
CLRN3	ENSG00000180745	1.637195192	0.00697637	up-regulated gene
GRB14	ENSG00000115290	1.636953552	3.47352E-05	up-regulated gene
AC006539.2	ENSG00000268070	1.636887161	0.001392573	up-regulated gene
AC026765.2	ENSG00000257517	1.636540942	0.016315679	up-regulated gene
RN7SL113P	ENSG00000278590	1.636221626	0.000468469	up-regulated gene
AC012103.1	ENSG00000253376	1.636126739	0.231934592	up-regulated gene
AC016737.1	ENSG00000271151	1.636035097	7.59024E-08	up-regulated gene
KSR2	ENSG00000171435	1.635999952	0.000712767	up-regulated gene
AL121782.1	ENSG00000278153	1.635711302	3.53729E-05	up-regulated gene
MORN3	ENSG00000139714	1.635528178	7.60966E-06	up-regulated gene
AL136038.7	ENSG00000274015	1.634992106	1.1219E-06	up-regulated gene
SPATA46	ENSG00000171722	1.634980634	0.001619867	up-regulated gene
NR0B2	ENSG00000131910	1.634939201	0.009504577	up-regulated gene
RNVU1-32	ENSG00000207110	1.634695404	4.12676E-06	up-regulated gene
AC015871.4	ENSG00000279394	1.634654297	0.00961404	up-regulated gene
OR2AO1P	ENSG00000240621	1.634648253	0.02948974	up-regulated gene
LINC-ROR	ENSG00000258609	1.633723201	0.105500296	up-regulated gene

ERVW-1	ENSG00000242950	1.633616306	0.01007372	up-regulated gene
TRIM67	ENSG00000119283	1.633243525	5.79901E-05	up-regulated gene
AC007014.2	ENSG00000274038	1.633192462	9.45473E-07	up-regulated gene
AL669818.1	ENSG00000231744	1.632238566	0.012025933	up-regulated gene
HOXC13-AS	ENSG00000249641	1.632211109	0.001573018	up-regulated gene
RAB3IP	ENSG00000127328	1.631707067	3.61603E-09	up-regulated gene
AC107909.1	ENSG00000253532	1.631590241	0.100784927	up-regulated gene
LINC01397	ENSG00000258673	1.631034585	0.00592441	up-regulated gene
AL035458.2	ENSG00000250917	1.630972249	0.00010785	up-regulated gene
U2	ENSG00000278234	1.630631349	0.032213688	up-regulated gene
SUSD2	ENSG00000099994	1.630600411	2.1904E-05	up-regulated gene
AL359881.2	ENSG00000270035	1.630160315	0.009740675	up-regulated gene
AC131238.1	ENSG00000274859	1.630028261	0.00356841	up-regulated gene
ZNF365	ENSG00000138311	1.629539285	0.0003138	up-regulated gene
AC004221.1	ENSG00000267778	1.629252643	0.000846474	up-regulated gene
AC009065.5	ENSG00000261123	1.629110283	4.59869E-05	up-regulated gene
ANKRD1	ENSG00000148677	1.628978178	0.005222177	up-regulated gene
AC068790.3	ENSG00000269997	1.628892417	3.94195E-05	up-regulated gene
SNORA58	ENSG00000249020	1.628720606	0.034587942	up-regulated gene
AC010086.1	ENSG00000226918	1.628626599	0.090021332	up-regulated gene
SDAD1-AS1	ENSG00000245928	1.628595275	0.03048024	up-regulated gene
AC010719.1	ENSG00000270933	1.628570599	2.13163E-05	up-regulated gene
AC011611.2	ENSG00000257329	1.628052646	0.07371315	up-regulated gene
AC026992.1	ENSG00000259504	1.62765323	0.019140854	up-regulated gene
PRMT8	ENSG00000111218	1.62752885	0.017056246	up-regulated gene
GSTA3	ENSG00000174156	1.627492127	0.118784886	up-regulated gene
AC079610.2	ENSG00000272519	1.627320415	0.012759605	up-regulated gene
HMX3	ENSG00000188620	1.627236369	0.133656912	up-regulated gene
PAFAH1B3	ENSG00000079462	1.627096071	3.54828E-13	up-regulated gene
AC018470.1	ENSG00000280414	1.626882092	0.116305449	up-regulated gene
F13B	ENSG00000143278	1.626743396	0.075870119	up-regulated gene
FMR1NB	ENSG00000176988	1.626262848	0.023782392	up-regulated gene
HORMAD1	ENSG00000143452	1.625630443	0.017001027	up-regulated gene
AC139792.2	ENSG00000278900	1.625614773	0.029562963	up-regulated gene
PGAM1P11	ENSG00000233623	1.624558735	0.007790979	up-regulated gene
AL391095.1	ENSG00000224635	1.624527704	9.01511E-06	up-regulated gene
AC004817.2	ENSG00000259907	1.624384495	0.045616456	up-regulated gene
ZBED9	ENSG00000232040	1.623881606	1.52435E-05	up-regulated gene
PCMTD1P3	ENSG00000234800	1.623850122	0.000614309	up-regulated gene
MIR6728	ENSG00000274258	1.623593821	0.003899212	up-regulated gene
AL133551.1	ENSG00000272892	1.623295112	3.07979E-06	up-regulated gene
LINC01671	ENSG00000225431	1.622709325	0.003297768	up-regulated gene
TMEM185AP1	ENSG00000235254	1.622696808	0.081414211	up-regulated gene
AC008496.2	ENSG00000250258	1.622630283	0.007926742	up-regulated gene
AC069257.2	ENSG00000237418	1.622547205	0.001035786	up-regulated gene
CMPK2	ENSG00000134326	1.622535152	1.86217E-07	up-regulated gene
SIX4	ENSG00000100625	1.622503273	1.07214E-12	up-regulated gene
AC063977.6	ENSG00000269072	1.622437819	0.012435972	up-regulated gene
RN7SL851P	ENSG00000240718	1.622408883	0.015898278	up-regulated gene

RRM2	ENSG00000171848	1.622164124	8.681E-10	up-regulated gene
LINC01362	ENSG00000230817	1.622108496	0.014306926	up-regulated gene
KIF11	ENSG00000138160	1.62175052	2.12846E-14	up-regulated gene
BORA	ENSG00000136122	1.621661342	3.95149E-18	up-regulated gene
AL512310.11	ENSG00000273639	1.621255698	0.167714789	up-regulated gene
RNU6-930P	ENSG00000212240	1.620884489	0.008709068	up-regulated gene
SEPTIN12	ENSG00000140623	1.620832591	0.002500978	up-regulated gene
AL162581.1	ENSG00000202198	1.620818107	0.000276575	up-regulated gene
AC112206.4	ENSG00000250669	1.620263435	0.012591472	up-regulated gene
AL162293.1	ENSG00000204117	1.620191421	0.017992914	up-regulated gene
AC107886.1	ENSG00000255372	1.619764792	0.247966554	up-regulated gene
GPX5	ENSG00000224586	1.619171274	0.22152496	up-regulated gene
AC025766.1	ENSG00000270133	1.618774828	0.000175572	up-regulated gene
LINC00707	ENSG00000238266	1.618762945	0.015197191	up-regulated gene
NR0B1	ENSG00000169297	1.618536575	0.103773091	up-regulated gene
AC103810.3	ENSG00000265982	1.618523378	4.07036E-07	up-regulated gene
RELL2	ENSG00000164620	1.618505039	1.14713E-13	up-regulated gene
AC004584.1	ENSG00000262298	1.618480291	7.30527E-05	up-regulated gene
LINC01232	ENSG00000280734	1.618315305	1.25808E-10	up-regulated gene
SNORA20	ENSG00000207392	1.618260768	0.011107445	up-regulated gene
KRT8P39	ENSG00000233560	1.618110579	8.32268E-07	up-regulated gene
CLEC2A	ENSG00000188393	1.617766787	0.174637927	up-regulated gene
IGLV3-32	ENSG00000211657	1.616929796	0.120203624	up-regulated gene
RGS21	ENSG00000253148	1.616874268	0.116910028	up-regulated gene
DGCR5	ENSG00000273032	1.616754236	0.000897499	up-regulated gene
AC084125.4	ENSG00000265393	1.616359215	2.44108E-07	up-regulated gene
CBSL	ENSG00000274276	1.615546865	0.008818679	up-regulated gene
HELLS	ENSG00000119969	1.614884255	1.36061E-18	up-regulated gene
AC010186.1	ENSG00000256442	1.614167441	0.006835857	up-regulated gene
TRBV20OR9-2	ENSG00000205274	1.614127519	0.01444537	up-regulated gene
AC004672.2	ENSG00000267285	1.613788937	0.085528409	up-regulated gene
RCCD1-AS1	ENSG00000258384	1.613486875	1.71029E-10	up-regulated gene
AL133368.1	ENSG00000242888	1.613414138	0.0450854	up-regulated gene
CTAGE4	ENSG00000225932	1.613143835	9.69861E-05	up-regulated gene
Y_RNA	ENSG00000200428	1.613023348	0.00596834	up-regulated gene
PPP1R2P6	ENSG00000241661	1.612997915	0.004688641	up-regulated gene
AC105450.1	ENSG00000231482	1.612804463	0.042080482	up-regulated gene
TAB3P1	ENSG00000235462	1.612764939	0.124886511	up-regulated gene
AC026700.1	ENSG00000251066	1.612713111	0.007825049	up-regulated gene
AC009955.1	ENSG00000228973	1.61252837	0.042206297	up-regulated gene
HMG2P23	ENSG00000236124	1.612381975	0.042589204	up-regulated gene
RNY1P13	ENSG00000201900	1.612076839	0.004706493	up-regulated gene
LINC01645	ENSG00000224968	1.612010006	0.034826445	up-regulated gene
AP005205.2	ENSG00000266441	1.611834587	0.004944463	up-regulated gene
RNU6-850P	ENSG00000252743	1.611734519	3.35882E-05	up-regulated gene
OSTCP6	ENSG00000219790	1.611712887	0.031705141	up-regulated gene
KRT17P3	ENSG00000231870	1.611655892	0.005113153	up-regulated gene
AL162727.2	ENSG00000237073	1.611605613	0.001070443	up-regulated gene
LINC01714	ENSG00000227634	1.611464949	0.015504774	up-regulated gene

AC138761.1	ENSG00000264956	1.611451646	0.137697452	up-regulated gene
AL451063.1	ENSG00000225755	1.611319889	0.056832716	up-regulated gene
AC087752.1	ENSG00000243979	1.611081095	0.006054215	up-regulated gene
WFDC6	ENSG00000243543	1.610555617	0.166627973	up-regulated gene
OCSTAMP	ENSG00000149635	1.610119816	0.032638906	up-regulated gene
ZSCAN10	ENSG00000130182	1.610057904	0.021775034	up-regulated gene
E2F2	ENSG00000007968	1.610026692	4.76265E-08	up-regulated gene
AL603832.1	ENSG00000225075	1.610017758	1.7793E-06	up-regulated gene
NFE2L3	ENSG00000050344	1.609779485	1.77999E-09	up-regulated gene
AL133371.1	ENSG00000258642	1.609652407	0.066414736	up-regulated gene
PPIAP26	ENSG00000150276	1.609504925	0.022373471	up-regulated gene
AC012435.2	ENSG00000260103	1.609108277	1.78565E-09	up-regulated gene
FMO6P	ENSG00000117507	1.608592486	0.135367273	up-regulated gene
AC090877.1	ENSG00000259392	1.60853257	0.010144305	up-regulated gene
SLFN13	ENSG00000154760	1.608499427	2.89496E-05	up-regulated gene
Z82188.2	ENSG00000235237	1.608462671	0.000572869	up-regulated gene
TSBP1	ENSG00000204296	1.608372766	0.060547891	up-regulated gene
AC084128.1	ENSG00000253699	1.608079856	0.13621151	up-regulated gene
ACSBG1	ENSG00000103740	1.607576752	0.002179241	up-regulated gene
SYNGR3	ENSG00000127561	1.607362208	0.000116466	up-regulated gene
SNORA22B	ENSG00000206603	1.607266638	0.010288955	up-regulated gene
SCRT2	ENSG00000215397	1.607255553	0.24958582	up-regulated gene
RN7SL472P	ENSG00000240457	1.607251081	0.043845181	up-regulated gene
AC017002.1	ENSG00000225744	1.607174314	0.011748641	up-regulated gene
AC084024.1	ENSG00000240015	1.60663283	0.017220068	up-regulated gene
AC078925.4	ENSG00000280002	1.606452585	0.138294001	up-regulated gene
PLA2G12B	ENSG00000138308	1.606294818	0.062168753	up-regulated gene
MYO3B-AS1	ENSG00000231898	1.606114962	0.018847952	up-regulated gene
TPTE2P4	ENSG00000215506	1.606042305	0.27846648	up-regulated gene
OR6C70	ENSG00000184954	1.605909909	0.261389345	up-regulated gene
LINC00919	ENSG00000260268	1.605727855	0.177659502	up-regulated gene
POLE2	ENSG00000100479	1.605700684	2.93207E-16	up-regulated gene
FSIP2-AS2	ENSG00000226747	1.605502453	0.000799791	up-regulated gene
AL359273.1	ENSG00000199959	1.605480932	0.19684967	up-regulated gene
LINC02120	ENSG00000248279	1.605406692	0.13504972	up-regulated gene
LINC02598	ENSG00000256155	1.60487324	0.005871021	up-regulated gene
AC079416.4	ENSG00000280227	1.604831292	0.05032509	up-regulated gene
AC012186.3	ENSG00000280376	1.604276752	0.01010389	up-regulated gene
AL161645.1	ENSG00000278518	1.604078927	0.028616019	up-regulated gene
AC067852.4	ENSG00000280183	1.603644702	0.001210598	up-regulated gene
ARHGAP40	ENSG00000124143	1.603586911	0.000236159	up-regulated gene
AC000067.1	ENSG00000225007	1.603258653	0.003287148	up-regulated gene
AL024507.2	ENSG00000272476	1.603029983	5.35815E-15	up-regulated gene
AL137802.1	ENSG00000224174	1.602546486	0.015901582	up-regulated gene
MESP2	ENSG00000188095	1.602523686	0.001626622	up-regulated gene
U4	ENSG00000278374	1.60238868	0.009634588	up-regulated gene
AC012574.2	ENSG00000254002	1.602357174	0.329635541	up-regulated gene
AC007431.1	ENSG00000263499	1.601720421	0.02307387	up-regulated gene
AL391825.1	ENSG00000229808	1.601719785	2.37116E-07	up-regulated gene

AC112504.1	ENSG00000279147	1.601660632	0.005320698	up-regulated gene
AC013489.3	ENSG00000279945	1.601443412	0.000129185	up-regulated gene
PLA2G2C	ENSG00000187980	1.601373336	0.004398496	up-regulated gene
AL353804.2	ENSG00000271199	1.600844613	0.001523776	up-regulated gene
SLC25A5P1	ENSG00000215347	1.600613897	2.18576E-06	up-regulated gene
AC015802.4	ENSG00000267546	1.600497584	1.27604E-09	up-regulated gene
LINC00853	ENSG00000224805	1.60043332	3.10256E-07	up-regulated gene
RPL34P21	ENSG00000244451	1.599701004	0.073507496	up-regulated gene
KRBOX1-AS1	ENSG00000206552	1.599642669	0.033237753	up-regulated gene
AC006450.3	ENSG00000236668	1.599635463	0.181681991	up-regulated gene
LINC02828	ENSG00000224164	1.599623912	0.00812659	up-regulated gene
Y_RNA	ENSG00000252367	1.59943246	0.01016815	up-regulated gene
HSF2BP	ENSG00000160207	1.5993763	5.27857E-09	up-regulated gene
AC074237.1	ENSG00000265980	1.599175872	0.281946516	up-regulated gene
CIP2A	ENSG00000163507	1.598612929	3.28925E-14	up-regulated gene
LINC02389	ENSG00000255693	1.598526022	0.005798217	up-regulated gene
H2AZP4	ENSG00000255329	1.598048121	0.009365093	up-regulated gene
LINC01303	ENSG00000250548	1.597318334	0.000684792	up-regulated gene
AC091057.1	ENSG00000187951	1.597287995	1.37778E-16	up-regulated gene
TEKT2	ENSG00000092850	1.597264122	0.000155501	up-regulated gene
MIR647	ENSG00000207554	1.596999638	4.24723E-09	up-regulated gene
Y_RNA	ENSG00000202222	1.596798705	0.057241704	up-regulated gene
AC234917.1	ENSG00000255343	1.596620295	0.006470703	up-regulated gene
AC068831.4	ENSG00000275929	1.596569506	0.014999541	up-regulated gene
CDHR2	ENSG00000074276	1.596463879	6.65905E-06	up-regulated gene
AL049747.1	ENSG00000268818	1.596386609	0.0282027	up-regulated gene
KRT7	ENSG00000135480	1.59630377	0.00025056	up-regulated gene
LINC01981	ENSG00000229243	1.595990593	0.032464124	up-regulated gene
FAM222A-AS1	ENSG00000255650	1.595873422	0.000752099	up-regulated gene
BNIP3P37	ENSG00000270479	1.595852656	0.044643283	up-regulated gene
AC118282.4	ENSG00000280043	1.595714102	0.136730878	up-regulated gene
YWHAEP1	ENSG00000232727	1.595513242	0.004919081	up-regulated gene
SH3TC2-DT	ENSG00000250072	1.595509249	0.000457593	up-regulated gene
DDX11-AS1	ENSG00000245614	1.595433545	1.57579E-12	up-regulated gene
AP001574.1	ENSG00000253217	1.595113116	0.000918189	up-regulated gene
ARMC4P1	ENSG00000238021	1.594942708	0.068409023	up-regulated gene
H4C6	ENSG00000274618	1.594533203	0.165249976	up-regulated gene
IGLV1-44	ENSG00000211651	1.594326083	0.011051888	up-regulated gene
FANCD2P2	ENSG00000230342	1.59427017	0.074053593	up-regulated gene
AC010531.6	ENSG00000270006	1.594181231	9.56366E-08	up-regulated gene
AC004263.1	ENSG00000275936	1.594167576	0.0004216	up-regulated gene
AC003070.2	ENSG00000267446	1.59403397	0.020457221	up-regulated gene
ADAM20P3	ENSG00000249162	1.593964169	0.189808199	up-regulated gene
PAH	ENSG00000171759	1.593861469	0.024342073	up-regulated gene
CLEC18C	ENSG00000157335	1.593805648	0.009666378	up-regulated gene
LINC00470	ENSG00000132204	1.593560678	0.037472519	up-regulated gene
AL355385.1	ENSG00000272170	1.593426342	2.74368E-06	up-regulated gene
LINC02521	ENSG00000228718	1.593304293	0.00916063	up-regulated gene
RN7SL166P	ENSG00000275014	1.59297798	0.129272143	up-regulated gene

TTPA	ENSG00000137561	1.592890634	0.005724442	up-regulated gene
SLC31A1P1	ENSG00000224426	1.592308913	0.013534699	up-regulated gene
MIR194-2HG	ENSG00000229719	1.592170804	0.001833179	up-regulated gene
BX088651.4	ENSG00000237357	1.592064374	0.001393752	up-regulated gene
DEPDC1-AS1	ENSG00000234264	1.591911192	0.00062386	up-regulated gene
LENEP	ENSG00000163352	1.591755425	0.004632384	up-regulated gene
LLPHP2	ENSG00000235514	1.591518143	0.081697082	up-regulated gene
RN7SL521P	ENSG00000240877	1.590827996	1.5522E-05	up-regulated gene
MS4A13	ENSG00000204979	1.590817503	0.221381608	up-regulated gene
AC079594.1	ENSG00000243687	1.590741672	0.062135842	up-regulated gene
CR559946.1	ENSG00000227484	1.590712226	0.004105672	up-regulated gene
FOLH1B	ENSG00000134612	1.590264163	0.03153569	up-regulated gene
AC231533.1	ENSG00000232828	1.590188682	0.005947103	up-regulated gene
PBK	ENSG00000168078	1.590076181	1.04499E-09	up-regulated gene
GAPDHP35	ENSG00000250982	1.589773632	0.001032986	up-regulated gene
POPDC3	ENSG00000132429	1.589761868	0.005192698	up-regulated gene
ENPP7P2	ENSG00000239959	1.589478527	0.008143984	up-regulated gene
FNDC1-IT1	ENSG00000235086	1.589438634	0.041659613	up-regulated gene
ACOT4	ENSG00000177465	1.589391698	1.44882E-09	up-regulated gene
SRRM1P3	ENSG00000237307	1.589338044	0.000635508	up-regulated gene
XCL1	ENSG00000143184	1.589111714	8.36079E-05	up-regulated gene
SCTR	ENSG00000080293	1.588887705	0.004003998	up-regulated gene
AC016717.2	ENSG00000273301	1.588475897	0.016551738	up-regulated gene
AC027801.2	ENSG00000248954	1.587570971	0.021545821	up-regulated gene
OACYLP	ENSG00000224367	1.587255356	0.000275271	up-regulated gene
AC026771.1	ENSG00000260545	1.587184286	0.003392327	up-regulated gene
FBLL1	ENSG00000188573	1.586947994	0.002398725	up-regulated gene
AC011363.1	ENSG00000254391	1.586663689	0.032594948	up-regulated gene
AC073592.5	ENSG00000279121	1.586357315	0.052203891	up-regulated gene
AC022098.4	ENSG00000275091	1.586206577	0.001618102	up-regulated gene
LINC01389	ENSG00000225762	1.586189578	8.3518E-08	up-regulated gene
AL391845.2	ENSG00000233542	1.585686932	4.45414E-05	up-regulated gene
AL360181.3	ENSG00000254536	1.585593527	0.000104452	up-regulated gene
AC073073.1	ENSG00000223886	1.585414336	5.04651E-07	up-regulated gene
AL031658.2	ENSG00000278012	1.5852994	0.087189674	up-regulated gene
AC135050.4	ENSG00000261124	1.584544829	0.000550279	up-regulated gene
AC024405.2	ENSG00000254840	1.584510083	0.403215955	up-regulated gene
TRIM36	ENSG00000152503	1.584502952	9.98646E-05	up-regulated gene
TRAIP	ENSG00000183763	1.584482862	3.91762E-17	up-regulated gene
AC007731.3	ENSG00000236003	1.584460505	0.010061506	up-regulated gene
AC092612.1	ENSG00000248521	1.583568605	0.173135968	up-regulated gene
MIR5689HG	ENSG00000229401	1.583564974	0.016065787	up-regulated gene
AC090578.2	ENSG00000271156	1.583519257	0.028555427	up-regulated gene
H2AC14	ENSG00000276368	1.583435494	0.0013318	up-regulated gene
CASC8	ENSG00000246228	1.583341063	0.000150286	up-regulated gene
AC097376.1	ENSG00000239005	1.583239977	0.007016896	up-regulated gene
TMEM97P1	ENSG00000234030	1.583238489	0.007937795	up-regulated gene
IGLC7	ENSG00000211685	1.583010019	0.022398054	up-regulated gene
EPHA10	ENSG00000183317	1.582947964	0.000536373	up-regulated gene

AC023824.5	ENSG00000261800	1.582810165	0.497004176	up-regulated gene
SCX	ENSG00000260428	1.582742339	4.404E-07	up-regulated gene
AC008735.2	ENSG00000267523	1.582513505	1.66424E-09	up-regulated gene
AC006128.1	ENSG00000279716	1.582405218	5.33199E-09	up-regulated gene
AL161729.4	ENSG00000271659	1.582222883	1.24565E-05	up-regulated gene
AC138150.2	ENSG00000267288	1.582098226	5.44752E-09	up-regulated gene
AC254629.1	ENSG00000274993	1.581853443	0.006345908	up-regulated gene
LINC00677	ENSG00000259717	1.581694098	0.001399297	up-regulated gene
AC020765.4	ENSG00000278725	1.581574054	0.017730865	up-regulated gene
TNNI2	ENSG00000130598	1.581357787	0.003551565	up-regulated gene
POTEH-AS1	ENSG00000236666	1.581336838	0.357200141	up-regulated gene
FAM215A	ENSG00000267496	1.581054564	0.003438589	up-regulated gene
HGFAC	ENSG00000109758	1.580882767	0.000257585	up-regulated gene
LINC02668	ENSG00000226762	1.580710043	0.061240547	up-regulated gene
PCBP2P1	ENSG00000235701	1.58050726	0.004747978	up-regulated gene
TEX43	ENSG00000196900	1.580044069	0.042665404	up-regulated gene
AL645608.1	ENSG00000224969	1.579665695	5.23848E-05	up-regulated gene
ZNF101P2	ENSG00000234473	1.579419631	0.011496811	up-regulated gene
MIR4685	ENSG00000264610	1.579165461	0.003445213	up-regulated gene
PKIB	ENSG00000135549	1.578851086	1.05136E-05	up-regulated gene
TNNC1	ENSG00000114854	1.578782692	0.001734335	up-regulated gene
AL024498.1	ENSG00000272097	1.578337281	5.68046E-11	up-regulated gene
AC025048.4	ENSG00000267416	1.578086401	4.38926E-08	up-regulated gene
MTATP8P2	ENSG00000229604	1.577516411	0.0016272	up-regulated gene
AC010287.1	ENSG00000260865	1.577410969	0.02734878	up-regulated gene
CKS1BP7	ENSG00000254331	1.577285644	0.001495335	up-regulated gene
BX546450.2	ENSG00000270052	1.577217673	0.008708071	up-regulated gene
OLFM2	ENSG00000105088	1.576978978	2.18204E-05	up-regulated gene
MIR643	ENSG00000208002	1.576778997	0.026360164	up-regulated gene
LINC02475	ENSG00000251350	1.576645901	0.01658503	up-regulated gene
LINC01134	ENSG00000236423	1.576616354	7.0698E-07	up-regulated gene
KLK14	ENSG00000129437	1.576551839	0.003395069	up-regulated gene
AC108463.1	ENSG00000227992	1.576360219	1.32018E-06	up-regulated gene
NRBF2P5	ENSG00000270427	1.576320034	4.33635E-05	up-regulated gene
KCNG3	ENSG00000171126	1.576208777	0.008856341	up-regulated gene
AC016394.1	ENSG00000272599	1.576145168	1.15856E-11	up-regulated gene
CHST8	ENSG00000124302	1.576112788	0.010152485	up-regulated gene
ARGFXP2	ENSG00000265293	1.575866984	0.002669834	up-regulated gene
AL391262.1	ENSG00000276063	1.575820537	0.013875897	up-regulated gene
KRT18P37	ENSG00000253943	1.575818484	0.000559221	up-regulated gene
RPL38P2	ENSG00000237077	1.575513867	0.01400359	up-regulated gene
LINC02006	ENSG00000238755	1.575475393	0.002419395	up-regulated gene
AC087632.2	ENSG00000259316	1.575270697	0.000114925	up-regulated gene
ARHGEF38	ENSG00000236699	1.575129625	0.000144905	up-regulated gene
AC126773.5	ENSG00000260860	1.574559702	0.022476866	up-regulated gene
AL096803.3	ENSG00000273198	1.574489849	0.012935087	up-regulated gene
CDHR5	ENSG00000099834	1.57440823	0.002468179	up-regulated gene
GOLGA2P8	ENSG00000214433	1.574070612	0.000488696	up-regulated gene
SNRFPF4	ENSG00000235627	1.573980604	0.005761707	up-regulated gene

TRIM43	ENSG00000144015	1.573731062	0.295766662	up-regulated gene
PCDHA6	ENSG00000081842	1.573641903	0.013935453	up-regulated gene
DGAT2L7P	ENSG00000205267	1.573631275	0.02471094	up-regulated gene
ADAMTS12	ENSG00000151388	1.573498768	0.000103229	up-regulated gene
AC104958.2	ENSG00000272502	1.572709572	0.001240883	up-regulated gene
AC099684.2	ENSG00000262445	1.57240399	0.022164087	up-regulated gene
CACNA11	ENSG00000100346	1.571955438	0.003784941	up-regulated gene
AC103810.4	ENSG00000266155	1.571923296	0.030094814	up-regulated gene
ABHD11-AS1	ENSG00000225969	1.571818274	0.000578431	up-regulated gene
H3C6	ENSG00000274750	1.571429451	4.55473E-06	up-regulated gene
AC005702.2	ENSG00000267526	1.57141905	0.016379759	up-regulated gene
AC012640.5	ENSG00000280369	1.57122425	0.000581605	up-regulated gene
AL355596.1	ENSG00000259828	1.571131451	0.011792339	up-regulated gene
AC105105.4	ENSG00000276403	1.571079011	0.14115632	up-regulated gene
SLX1B	ENSG00000181625	1.571058493	0.00163459	up-regulated gene
NFE2L1-DT	ENSG00000263412	1.57088757	1.66089E-10	up-regulated gene
AL121949.3	ENSG00000218617	1.570632793	0.22033127	up-regulated gene
AL390037.1	ENSG00000277901	1.570301505	0.000561028	up-regulated gene
AP001992.1	ENSG00000241170	1.570075517	7.75215E-07	up-regulated gene
AL356277.3	ENSG00000272243	1.569435249	0.088046163	up-regulated gene
AC010998.2	ENSG00000271670	1.569234898	0.000947422	up-regulated gene
LINC02595	ENSG00000231566	1.569144931	0.002626565	up-regulated gene
AC020910.2	ENSG00000268683	1.569044907	0.057732985	up-regulated gene
AC022826.1	ENSG00000253273	1.568942569	0.031557156	up-regulated gene
UGT1A10	ENSG00000242515	1.568860907	0.033107017	up-regulated gene
C2orf27AP3	ENSG00000230804	1.568567244	0.06527775	up-regulated gene
SREK1IP1P1	ENSG00000229336	1.568491623	0.0241571	up-regulated gene
PGBP	ENSG00000227179	1.568467181	0.090729312	up-regulated gene
CYMP-AS1	ENSG00000235407	1.568017485	0.127310502	up-regulated gene
DSCR9	ENSG00000230366	1.567983796	4.66344E-06	up-regulated gene
AC132825.4	ENSG00000266885	1.567852816	0.112454352	up-regulated gene
HMGA1P2	ENSG00000248641	1.567615067	1.05108E-05	up-regulated gene
PROZ	ENSG00000126231	1.567534717	3.32072E-05	up-regulated gene
TBX2-AS1	ENSG00000267280	1.567256507	0.000781529	up-regulated gene
MED15P5	ENSG00000236595	1.566879542	0.122118909	up-regulated gene
AL159163.1	ENSG00000249141	1.566756297	5.7737E-06	up-regulated gene
PCDHB8	ENSG00000120322	1.56629361	0.000754263	up-regulated gene
AGRN	ENSG00000188157	1.566168362	8.07878E-16	up-regulated gene
RNU4-52P	ENSG00000206936	1.566167527	0.001155005	up-regulated gene
STRC	ENSG00000242866	1.566141918	0.000846354	up-regulated gene
RPL39P18	ENSG00000229468	1.566079417	0.003309489	up-regulated gene
AC126177.6	ENSG00000258072	1.565955857	0.031461285	up-regulated gene
OIT3	ENSG00000138315	1.565901456	0.000451317	up-regulated gene
AC022748.2	ENSG00000261303	1.565851819	0.034827856	up-regulated gene
FRAS1	ENSG00000138759	1.565774668	0.00013502	up-regulated gene
UGT2B7	ENSG00000171234	1.565371641	0.028644062	up-regulated gene
PRL	ENSG00000172179	1.565321948	0.05364579	up-regulated gene
HHLA2	ENSG00000114455	1.565214613	0.017064431	up-regulated gene
OR51Q1	ENSG00000167360	1.565139786	0.12965195	up-regulated gene

AC006277.1	ENSG00000279452	1.565067373	2.51436E-09	up-regulated gene
MIR4258	ENSG00000264349	1.564633731	0.000159533	up-regulated gene
AC027801.4	ENSG00000254039	1.564308064	0.046831473	up-regulated gene
CENPU	ENSG00000151725	1.564225114	3.97352E-13	up-regulated gene
LINC01925	ENSG00000264265	1.564150614	0.439929702	up-regulated gene
FAM91A3P	ENSG00000242352	1.564058858	0.002629901	up-regulated gene
LHX5-AS1	ENSG00000257935	1.564034283	0.097940377	up-regulated gene
Metazoa_SRP	ENSG00000274510	1.563851153	0.024470134	up-regulated gene
CTD-2194D22.4	ENSG00000249326	1.563805704	0.258624471	up-regulated gene
CDKN3	ENSG00000100526	1.563620724	1.97889E-10	up-regulated gene
AC027335.1	ENSG00000250001	1.563532792	0.086244743	up-regulated gene
AP000866.5	ENSG00000255045	1.563366832	0.000171683	up-regulated gene
AL137804.1	ENSG00000255525	1.56336485	0.024889776	up-regulated gene
KCP	ENSG00000135253	1.563300651	6.31898E-06	up-regulated gene
AL136084.1	ENSG00000267026	1.562832065	0.000298149	up-regulated gene
CBX8	ENSG00000141570	1.562075137	4.73487E-19	up-regulated gene
AC106729.1	ENSG00000259995	1.562019228	0.192388097	up-regulated gene
AC022201.1	ENSG00000229229	1.561512665	0.12960509	up-regulated gene
WT1	ENSG00000184937	1.561473706	0.021265983	up-regulated gene
PF4V1	ENSG00000109272	1.561364697	0.013918658	up-regulated gene
PARPBP	ENSG00000185480	1.561316292	2.2316E-16	up-regulated gene
KRT18	ENSG00000111057	1.56120238	3.01484E-07	up-regulated gene
FOXC2-AS1	ENSG00000260944	1.561160368	0.104123185	up-regulated gene
AL589765.4	ENSG00000249602	1.560733954	9.15497E-08	up-regulated gene
SNORA63C	ENSG00000201448	1.560686178	0.022000743	up-regulated gene
LRRC43	ENSG00000158113	1.560675629	4.1493E-07	up-regulated gene
LINC01470	ENSG00000249484	1.560612947	0.091327261	up-regulated gene
AL354890.1	ENSG00000223787	1.560272632	0.023492672	up-regulated gene
KRT18P58	ENSG00000254831	1.560229199	0.014522484	up-regulated gene
FLJ30679	ENSG00000280278	1.559838979	0.000221191	up-regulated gene
ESPL1	ENSG00000135476	1.559739491	6.46516E-11	up-regulated gene
LMNB1	ENSG00000113368	1.559427485	1.87829E-14	up-regulated gene
AL590666.3	ENSG00000237588	1.558993816	0.00124528	up-regulated gene
AC132938.6	ENSG00000279744	1.558805041	1.55276E-06	up-regulated gene
AC010491.1	ENSG00000261360	1.558786904	1.14035E-08	up-regulated gene
ISM2	ENSG00000100593	1.558764119	0.001960849	up-regulated gene
AC010997.6	ENSG00000279814	1.558440657	0.131257195	up-regulated gene
LINC00628	ENSG00000280924	1.558311087	0.000101122	up-regulated gene
TSPAN19	ENSG00000231738	1.557927844	0.092906938	up-regulated gene
CLEC1B	ENSG00000165682	1.557812831	0.007047332	up-regulated gene
SMIM36	ENSG00000261873	1.557810309	0.095933261	up-regulated gene
NPM1P9	ENSG00000231066	1.557513255	1.74575E-07	up-regulated gene
AP000640.2	ENSG00000255355	1.557077068	0.000585078	up-regulated gene
CACNG6	ENSG00000130433	1.557033398	0.066938702	up-regulated gene
AC002519.1	ENSG00000259810	1.55685041	0.003545088	up-regulated gene
SNORA28	ENSG00000272533	1.55681807	0.007176735	up-regulated gene
CPA4	ENSG00000128510	1.556668474	0.011210056	up-regulated gene
LINC00485	ENSG00000258169	1.556615312	0.082961691	up-regulated gene
GUCA1A	ENSG00000048545	1.556535973	0.005818505	up-regulated gene

AC026770.1	ENSG00000259377	1.556124916	0.045887822	up-regulated gene
VN2R17P	ENSG00000213014	1.555625312	0.00225338	up-regulated gene
AC106028.3	ENSG00000260361	1.55556474	1.23955E-09	up-regulated gene
RPL18P13	ENSG00000244485	1.55552524	0.008217495	up-regulated gene
AC078845.1	ENSG00000232053	1.554817331	0.038536828	up-regulated gene
WNK4	ENSG00000126562	1.554421702	0.000368552	up-regulated gene
AF235103.1	ENSG00000255164	1.554190607	0.018340241	up-regulated gene
SOWAHCP5	ENSG00000278631	1.553844612	0.157332591	up-regulated gene
H2AC18	ENSG00000203812	1.553605791	0.066941153	up-regulated gene
HERC2P5	ENSG00000260644	1.553246673	0.048211486	up-regulated gene
CYP2C8	ENSG00000138115	1.553004485	0.001072839	up-regulated gene
LINC01976	ENSG00000261514	1.552911578	0.088335929	up-regulated gene
AC013287.1	ENSG00000228566	1.552511898	0.002880375	up-regulated gene
C2-AS1	ENSG00000281756	1.552391301	0.00316729	up-regulated gene
IGHGP	ENSG00000253755	1.552198773	0.005830642	up-regulated gene
FNDC10	ENSG00000228594	1.55219557	9.84726E-08	up-regulated gene
NAV2-AS3	ENSG00000254542	1.551711202	0.028241237	up-regulated gene
RPL7P49	ENSG00000242931	1.55101486	0.044004647	up-regulated gene
SUGT1P2	ENSG00000213842	1.5507974	0.000905764	up-regulated gene
AC010200.1	ENSG00000257803	1.550764887	0.029207456	up-regulated gene
FAP	ENSG00000078098	1.55065643	0.000260924	up-regulated gene
KRT18P11	ENSG00000215089	1.55012356	2.18478E-05	up-regulated gene
SNORA26	ENSG00000212588	1.549848007	1.05671E-06	up-regulated gene
AP006216.1	ENSG00000226645	1.54983481	0.004597082	up-regulated gene
RNU6-315P	ENSG00000199536	1.549665211	0.042604115	up-regulated gene
EIF4EBP1	ENSG00000187840	1.549474629	2.68688E-09	up-regulated gene
RPL23AP95	ENSG00000236848	1.549328014	0.002343386	up-regulated gene
WDHD1	ENSG00000198554	1.548959783	1.54706E-15	up-regulated gene
TTC23L	ENSG00000205838	1.548810828	7.78735E-05	up-regulated gene
AP001102.1	ENSG00000213287	1.548716885	0.185599708	up-regulated gene
OR7E145P	ENSG00000235855	1.548703616	0.109501277	up-regulated gene
RNU6-875P	ENSG00000252297	1.548385468	0.015036472	up-regulated gene
AL133371.3	ENSG00000259130	1.548343773	0.023371359	up-regulated gene
AC108727.1	ENSG00000248773	1.548122624	0.00046511	up-regulated gene
ADH4	ENSG00000198099	1.548095115	0.007458776	up-regulated gene
EXOSC10-AS1	ENSG00000230337	1.547996612	6.17183E-11	up-regulated gene
AC023824.6	ENSG00000280180	1.547914921	0.264864965	up-regulated gene
COX6B2	ENSG00000160471	1.54779139	0.000201384	up-regulated gene
CYP4F34P	ENSG00000244155	1.547643354	0.176862297	up-regulated gene
TMED2-DT	ENSG00000247373	1.547638826	1.2693E-15	up-regulated gene
RNA5SP246	ENSG00000239021	1.54733671	0.021939738	up-regulated gene
PLPPR1	ENSG00000148123	1.546846433	0.028422282	up-regulated gene
SNORD99	ENSG00000221539	1.546819522	9.94287E-09	up-regulated gene
TEX29	ENSG00000153495	1.546671253	1.36809E-05	up-regulated gene
GAD1	ENSG00000128683	1.546642329	0.000717581	up-regulated gene
MME	ENSG00000196549	1.546210899	0.000476704	up-regulated gene
AL928970.1	ENSG00000227518	1.544992804	0.005178998	up-regulated gene
MIR6895	ENSG00000276575	1.544898025	0.003561255	up-regulated gene
AL157838.1	ENSG00000197670	1.544896353	1.31781E-06	up-regulated gene

AL445933.1	ENSG00000230638	1.54488804	4.06538E-05	up-regulated gene
AL034397.2	ENSG00000237311	1.544531658	0.138674476	up-regulated gene
AC097641.2	ENSG00000277728	1.544515307	1.29422E-08	up-regulated gene
RN7SL481P	ENSG00000240322	1.544458804	0.000331297	up-regulated gene
IFITM3P9	ENSG00000271134	1.544346546	0.078402999	up-regulated gene
CLDN18	ENSG00000066405	1.544242514	0.001276469	up-regulated gene
GPRC6A	ENSG00000173612	1.544130784	0.099467324	up-regulated gene
GCM1	ENSG00000137270	1.544090422	0.003366742	up-regulated gene
AC005730.3	ENSG00000266126	1.543811473	0.000856448	up-regulated gene
FO393401.1	ENSG00000242507	1.543773357	0.033083497	up-regulated gene
DPEP1	ENSG00000015413	1.543020571	0.001523647	up-regulated gene
KRT32	ENSG00000108759	1.542838053	0.031240685	up-regulated gene
FABP9	ENSG00000205186	1.542779449	0.060685448	up-regulated gene
AL109761.1	ENSG00000244676	1.542375326	0.002913979	up-regulated gene
AC097358.2	ENSG00000272202	1.541866981	2.19354E-05	up-regulated gene
AC069544.1	ENSG00000272853	1.541841986	2.75743E-14	up-regulated gene
BNIP3P11	ENSG00000271550	1.541799749	5.50876E-08	up-regulated gene
COX6B1P5	ENSG00000249047	1.541735023	0.001042692	up-regulated gene
TOPAZ1	ENSG00000173769	1.541648968	0.094556987	up-regulated gene
AC021092.1	ENSG00000186019	1.541226898	7.14332E-05	up-regulated gene
BIRC7	ENSG00000101197	1.541192319	0.001347341	up-regulated gene
KRT23	ENSG00000108244	1.541145195	0.00742247	up-regulated gene
PCDHB17P	ENSG00000255622	1.541106167	0.00870221	up-regulated gene
LINC02870	ENSG00000180066	1.540890583	5.37446E-05	up-regulated gene
AC040169.3	ENSG00000274677	1.540630032	2.4589E-08	up-regulated gene
THAP5P1	ENSG00000224324	1.540238855	0.00183559	up-regulated gene
CEMIP	ENSG00000103888	1.54015946	6.44847E-05	up-regulated gene
AL929236.1	ENSG00000228470	1.539942636	0.000608649	up-regulated gene
MTRNR2L1	ENSG00000256618	1.539930094	0.050018835	up-regulated gene
DPYSL5	ENSG00000157851	1.539907977	0.066155579	up-regulated gene
ITIH4-AS1	ENSG00000239799	1.539637128	0.007608154	up-regulated gene
PODNL1	ENSG00000132000	1.539416193	3.6166E-05	up-regulated gene
AC007950.1	ENSG00000259268	1.539122926	0.073911644	up-regulated gene
SMIM23	ENSG00000185662	1.539080278	0.029236485	up-regulated gene
SLC6A15	ENSG00000072041	1.538991657	0.089255126	up-regulated gene
AC023024.2	ENSG00000279970	1.538926355	7.99575E-05	up-regulated gene
AC118282.1	ENSG00000237961	1.538214229	0.112902794	up-regulated gene
TPM3P6	ENSG00000250731	1.538130673	5.60073E-07	up-regulated gene
AC009163.4	ENSG00000261476	1.537994861	0.004098986	up-regulated gene
ATOH7	ENSG00000179774	1.537541231	0.000514792	up-regulated gene
LINC02626	ENSG00000236799	1.537240056	0.002662524	up-regulated gene
NTN3	ENSG00000162068	1.537176932	0.003117276	up-regulated gene
C9	ENSG00000113600	1.537165308	0.002260471	up-regulated gene
SETP5	ENSG00000233998	1.537000297	0.00361106	up-regulated gene
AL354989.2	ENSG00000239392	1.536806756	0.020264874	up-regulated gene
UBE2E1-AS1	ENSG00000223791	1.536601134	0.001747164	up-regulated gene
C1orf112	ENSG00000000460	1.536108589	4.27768E-12	up-regulated gene
CCT4P2	ENSG00000225569	1.535744462	0.053453203	up-regulated gene
EGFEM1P	ENSG00000206120	1.535468247	0.006984376	up-regulated gene

SBNO1-AS1	ENSG00000256092	1.535334718	2.93093E-09	up-regulated gene
AC073878.2	ENSG00000261797	1.535234194	0.069260808	up-regulated gene
ATP5F1AP1	ENSG00000234861	1.535067402	0.128717956	up-regulated gene
ZNF432	ENSG00000256087	1.535061036	2.08885E-06	up-regulated gene
ODCP	ENSG00000244556	1.534955253	1.69012E-05	up-regulated gene
AC099788.1	ENSG00000229846	1.534887019	0.1489965	up-regulated gene
AC105219.3	ENSG00000254973	1.534846574	7.84542E-07	up-regulated gene
EIPR1-IT1	ENSG00000224885	1.534823779	0.001205227	up-regulated gene
AC087721.1	ENSG00000259396	1.534191161	0.059108702	up-regulated gene
AC114786.1	ENSG00000249763	1.533656374	0.217061065	up-regulated gene
TMEM215	ENSG00000188133	1.533466656	0.064342023	up-regulated gene
GINS2	ENSG00000131153	1.53337595	1.65301E-12	up-regulated gene
TUBA8	ENSG00000183785	1.533287249	3.57296E-05	up-regulated gene
AC002069.2	ENSG00000233420	1.532877872	0.157077531	up-regulated gene
USP18	ENSG00000184979	1.532046708	2.46649E-08	up-regulated gene
AC103409.1	ENSG00000253901	1.532000555	0.043777525	up-regulated gene
AC113410.3	ENSG00000279691	1.531778146	0.000257948	up-regulated gene
OLIG2	ENSG00000205927	1.531138554	0.065356482	up-regulated gene
LINC00552	ENSG00000279770	1.531091797	0.052774126	up-regulated gene
CYP2W1	ENSG00000073067	1.530787242	0.011593478	up-regulated gene
PSRC1	ENSG00000134222	1.530749778	3.66856E-13	up-regulated gene
FANCI	ENSG00000140525	1.530738305	2.59923E-19	up-regulated gene
AC011290.2	ENSG00000236015	1.530564491	4.62113E-09	up-regulated gene
AC122710.2	ENSG00000272071	1.53028213	0.002951311	up-regulated gene
AC021683.3	ENSG00000267665	1.530129185	0.034326957	up-regulated gene
AC012494.1	ENSG00000227088	1.529856321	0.115706252	up-regulated gene
SLC2A6	ENSG00000160326	1.529484283	9.15346E-07	up-regulated gene
FCHO1	ENSG00000130475	1.529458789	2.66371E-07	up-regulated gene
AC087821.1	ENSG00000278886	1.529336227	0.060370707	up-regulated gene
YDJC	ENSG00000161179	1.529255165	3.58616E-15	up-regulated gene
DNAH3	ENSG00000158486	1.529144193	1.59957E-06	up-regulated gene
AC110015.1	ENSG00000227279	1.528998631	0.147494364	up-regulated gene
ZNF385C	ENSG00000187595	1.528851592	2.66018E-07	up-regulated gene
AC018755.3	ENSG00000269388	1.528525916	6.19024E-06	up-regulated gene
HCN3	ENSG00000143630	1.528498938	7.44836E-12	up-regulated gene
LY6E	ENSG00000160932	1.528189726	5.81372E-06	up-regulated gene
AC023866.2	ENSG00000254222	1.527962172	0.104077354	up-regulated gene
CREB3L3	ENSG00000060566	1.527524762	0.007082226	up-regulated gene
AL589765.5	ENSG00000268288	1.527441376	0.000686637	up-regulated gene
AL353622.1	ENSG00000270605	1.527172982	4.57051E-08	up-regulated gene
AC012456.2	ENSG00000230790	1.527103421	0.034564319	up-regulated gene
SAMD15	ENSG00000100583	1.526938896	3.49218E-11	up-regulated gene
MT4	ENSG00000102891	1.526705998	0.474996214	up-regulated gene
SSX5	ENSG00000165583	1.526692084	0.231299691	up-regulated gene
AC008764.6	ENSG00000269399	1.526626284	1.46902E-11	up-regulated gene
TMEM254-AS1	ENSG00000230091	1.526468357	1.39498E-05	up-regulated gene
AC005841.1	ENSG00000258092	1.526382526	0.000701402	up-regulated gene
NDUFA3P1	ENSG00000267590	1.52629216	0.010153349	up-regulated gene
EPO	ENSG00000130427	1.526250666	0.002689896	up-regulated gene

LINC00491	ENSG00000250682	1.526241405	0.015069018	up-regulated gene
AC125611.4	ENSG00000258334	1.526089388	0.000310319	up-regulated gene
AC016629.2	ENSG00000269600	1.525787725	0.014261019	up-regulated gene
AC022493.2	ENSG00000248967	1.525646737	0.104814941	up-regulated gene
C6orf52	ENSG00000137434	1.525616114	2.95034E-06	up-regulated gene
SPINK8	ENSG00000229453	1.525280715	0.075661008	up-regulated gene
TPBGL	ENSG00000261594	1.525153612	0.000376037	up-regulated gene
IRF5	ENSG00000128604	1.524712339	7.07727E-10	up-regulated gene
C5orf38	ENSG00000186493	1.524700743	0.067861288	up-regulated gene
CHKB-DT	ENSG00000205559	1.524548751	1.3797E-10	up-regulated gene
GNAS-AS1	ENSG00000235590	1.52445263	0.003091154	up-regulated gene
FO681548.1	ENSG00000229492	1.524409188	0.020737693	up-regulated gene
MIR4300HG	ENSG00000245832	1.524295061	0.056197242	up-regulated gene
AC078788.1	ENSG00000241220	1.524288707	0.007820337	up-regulated gene
AC106052.1	ENSG00000272862	1.52420643	0.000186922	up-regulated gene
GPR89P	ENSG00000216915	1.523670702	0.032132918	up-regulated gene
LINC01012	ENSG00000281706	1.523539584	2.39286E-05	up-regulated gene
RPL7AP9	ENSG00000213272	1.523353767	0.003616399	up-regulated gene
AL356740.2	ENSG00000269356	1.523275202	0.004339163	up-regulated gene
AP000845.1	ENSG00000263884	1.522657225	4.20715E-07	up-regulated gene
CIT	ENSG00000122966	1.522598889	2.70217E-13	up-regulated gene
OR1Q1	ENSG00000165202	1.521969061	0.015933124	up-regulated gene
NOS2	ENSG00000007171	1.521862722	0.001467177	up-regulated gene
AC078909.2	ENSG00000274444	1.521642046	0.000360998	up-regulated gene
AC069439.1	ENSG00000239227	1.521557946	0.016951049	up-regulated gene
RNA5SP441	ENSG00000252618	1.521466591	0.023884437	up-regulated gene
PTPRG-AS1	ENSG00000241472	1.521437142	3.10213E-05	up-regulated gene
AC021146.3	ENSG00000248613	1.52136735	0.035309886	up-regulated gene
CST9LP2	ENSG00000204658	1.52129943	0.026062574	up-regulated gene
AC007785.3	ENSG00000268401	1.521202709	0.001484499	up-regulated gene
AC104771.1	ENSG00000271676	1.52111245	0.03314947	up-regulated gene
GNG3	ENSG00000162188	1.521079049	9.13306E-07	up-regulated gene
AC074091.1	ENSG00000206731	1.521012893	0.026986482	up-regulated gene
AC020687.1	ENSG00000259560	1.520804966	0.296631075	up-regulated gene
AC087752.2	ENSG00000253528	1.520739573	0.014756221	up-regulated gene
CES3	ENSG00000172828	1.520686844	0.001190824	up-regulated gene
AC023301.1	ENSG00000265579	1.520320482	0.018109357	up-regulated gene
GABRA3	ENSG00000011677	1.519982436	0.001468235	up-regulated gene
RAD54B	ENSG00000197275	1.519902245	3.27152E-14	up-regulated gene
LINC01213	ENSG00000244541	1.519752075	0.002317947	up-regulated gene
SNORD124	ENSG00000238793	1.519466677	0.000849535	up-regulated gene
MIR6753	ENSG00000275022	1.519247895	5.38276E-05	up-regulated gene
ANK3-DT	ENSG00000254271	1.519136163	0.000665237	up-regulated gene
CHORDC2P	ENSG00000259050	1.519123758	0.023402198	up-regulated gene
AC106712.1	ENSG00000241280	1.518852017	0.072636797	up-regulated gene
TRIM51BP	ENSG00000204455	1.518475796	0.23369023	up-regulated gene
AC021088.1	ENSG00000250619	1.518349825	0.066318096	up-regulated gene
PRSS55	ENSG00000184647	1.518337488	0.053186991	up-regulated gene
AC073346.1	ENSG00000225457	1.517889459	0.064287294	up-regulated gene

SILC1	ENSG00000232044	1.517844514	0.140702381	up-regulated gene
AL353718.1	ENSG00000237158	1.517501234	0.145744421	up-regulated gene
AC091804.1	ENSG00000243635	1.517365992	0.113272035	up-regulated gene
AL357556.1	ENSG00000230026	1.516839008	0.015172058	up-regulated gene
AC006946.3	ENSG00000273442	1.516788352	0.061592341	up-regulated gene
GHRLOS	ENSG00000240288	1.516716686	2.92646E-07	up-regulated gene
AL354813.1	ENSG00000255438	1.516566623	0.023595398	up-regulated gene
KRT18P13	ENSG00000214417	1.516465406	0.000635321	up-regulated gene
SLC16A10	ENSG00000112394	1.516171573	0.000143262	up-regulated gene
Z97206.1	ENSG00000219088	1.516144138	0.060938808	up-regulated gene
CTBP2P1	ENSG00000235857	1.516137864	0.289691442	up-regulated gene
LGALS14	ENSG00000006659	1.51599936	0.261229966	up-regulated gene
AC114776.1	ENSG00000235881	1.515635398	0.050157605	up-regulated gene
FGF5	ENSG00000138675	1.515414849	0.017644243	up-regulated gene
XIAPP2	ENSG00000254843	1.515391917	0.017108923	up-regulated gene
MUC1	ENSG00000185499	1.515172781	0.000400746	up-regulated gene
RN7SL4P	ENSG00000263740	1.514825982	0.004303742	up-regulated gene
AC092916.1	ENSG00000239311	1.514793168	0.13311438	up-regulated gene
LIPC	ENSG00000166035	1.514584673	0.001559833	up-regulated gene
AC084125.2	ENSG00000255182	1.514440221	2.90543E-07	up-regulated gene
SPINK1	ENSG00000164266	1.514322818	0.030542986	up-regulated gene
AC087359.1	ENSG00000250869	1.514314988	0.003819707	up-regulated gene
RNA5SP38	ENSG00000222682	1.514097302	0.133817763	up-regulated gene
AC010333.2	ENSG00000259899	1.513922399	0.04027783	up-regulated gene
FTH1P19	ENSG00000219186	1.513784728	0.013861345	up-regulated gene
CHRNA6	ENSG00000147434	1.513546377	0.003379596	up-regulated gene
TTYH3	ENSG00000136295	1.51354248	1.51075E-19	up-regulated gene
IGF2BP2-AS1	ENSG00000163915	1.513460133	0.016840164	up-regulated gene
AC016876.4	ENSG00000276384	1.513362182	4.95192E-06	up-regulated gene
SAC3D1	ENSG00000168061	1.513195987	1.49532E-12	up-regulated gene
KRT18P16	ENSG00000235275	1.51302742	0.000839827	up-regulated gene
AC013731.1	ENSG00000270557	1.512701588	9.89368E-07	up-regulated gene
AC010267.1	ENSG00000249150	1.512700788	0.313635514	up-regulated gene
TCF15	ENSG00000125878	1.512653401	0.000742934	up-regulated gene
GSTM1	ENSG00000134184	1.512577101	0.058136493	up-regulated gene
AC009065.6	ENSG00000261240	1.512438892	0.01999843	up-regulated gene
TMEM191A	ENSG00000226287	1.511960874	1.80666E-08	up-regulated gene
GNGT1	ENSG00000127928	1.511899363	8.49557E-05	up-regulated gene
LINC02076	ENSG00000220161	1.511640931	0.003168469	up-regulated gene
KRT18P31	ENSG00000249850	1.511180303	0.001128953	up-regulated gene
SCG2	ENSG00000171951	1.511068877	0.00095334	up-regulated gene
LINC01114	ENSG00000234177	1.511022591	0.156406343	up-regulated gene
HSPE1P13	ENSG00000225900	1.510755993	0.098734506	up-regulated gene
MDK	ENSG00000110492	1.509979105	1.04263E-07	up-regulated gene
PNMA6E	ENSG00000214897	1.509942029	0.284366341	up-regulated gene
GBP1P1	ENSG00000225492	1.509905547	1.07186E-05	up-regulated gene
AP001439.1	ENSG00000224541	1.509783464	0.021871542	up-regulated gene
CCDC63	ENSG00000173093	1.509607376	0.047226113	up-regulated gene
LINC02742	ENSG00000249867	1.509597555	0.194946522	up-regulated gene

AC010385.3	ENSG00000277878	1.509586626	0.224534576	up-regulated gene
ELFN2	ENSG00000166897	1.509519972	0.011638347	up-regulated gene
H2AX	ENSG00000188486	1.509332016	1.98135E-15	up-regulated gene
HRAT92	ENSG00000223855	1.509324705	4.01934E-05	up-regulated gene
KRT8P24	ENSG00000259500	1.50911929	0.001269687	up-regulated gene
SNORD9	ENSG00000199436	1.508862065	0.005179762	up-regulated gene
CFAP44-AS1	ENSG00000243849	1.508555728	0.005904988	up-regulated gene
RN7SL546P	ENSG00000239224	1.508462371	0.063470174	up-regulated gene
UNC93A	ENSG00000112494	1.508306105	0.110135454	up-regulated gene
SLC6A11	ENSG00000132164	1.507553919	0.003190486	up-regulated gene
AC131009.4	ENSG00000279283	1.507405332	0.000109282	up-regulated gene
AL157402.2	ENSG00000261573	1.507327938	0.260615668	up-regulated gene
SCARNA13	ENSG00000252481	1.507172155	3.21076E-06	up-regulated gene
LIME1	ENSG00000203896	1.506716996	1.50182E-11	up-regulated gene
AC009065.3	ENSG00000260447	1.50655715	0.019617549	up-regulated gene
RNU6-126P	ENSG00000252494	1.506545436	0.052741249	up-regulated gene
RN7SL75P	ENSG00000239908	1.506469858	0.003106139	up-regulated gene
NYAP2	ENSG00000144460	1.50610801	0.020266101	up-regulated gene
RPLP2P1	ENSG00000214374	1.506009548	0.025155066	up-regulated gene
LINC01146	ENSG00000258867	1.505852517	0.002364033	up-regulated gene
AC007448.4	ENSG00000266473	1.505850838	1.37979E-05	up-regulated gene
AL031123.3	ENSG00000279368	1.505838902	1.32917E-05	up-regulated gene
DLEU7	ENSG00000186047	1.505559473	6.72317E-06	up-regulated gene
THOC7-AS1	ENSG00000240549	1.505411897	0.030599782	up-regulated gene
PHACTR3	ENSG00000087495	1.505408406	0.002322375	up-regulated gene
LINC02800	ENSG00000230023	1.505073801	0.006148193	up-regulated gene
C20orf204	ENSG00000196421	1.504950575	2.7704E-06	up-regulated gene
C8orf31	ENSG00000177335	1.504579719	0.000293089	up-regulated gene
HS6ST3	ENSG00000185352	1.504502685	0.027499649	up-regulated gene
ADAM8	ENSG00000151651	1.504386028	2.07709E-07	up-regulated gene
AC136443.3	ENSG00000257264	1.504155615	0.015889567	up-regulated gene
AC004678.1	ENSG00000275468	1.504094425	2.66847E-05	up-regulated gene
MUC13	ENSG00000173702	1.504062202	0.020950932	up-regulated gene
ARHGAP42-AS1	ENSG00000248027	1.50392593	6.489E-05	up-regulated gene
C1orf53	ENSG00000203724	1.503917866	2.21242E-11	up-regulated gene
AC009652.1	ENSG00000255160	1.503799021	0.010960073	up-regulated gene
AC020891.2	ENSG00000259306	1.503435843	0.000279695	up-regulated gene
BSN-DT	ENSG00000226913	1.503381719	0.005249058	up-regulated gene
ALOXE3	ENSG00000179148	1.503315606	0.001414759	up-regulated gene
OPRK1	ENSG00000082556	1.502777305	0.055506737	up-regulated gene
FAM24B	ENSG00000213185	1.502628609	3.82929E-08	up-regulated gene
AL390835.1	ENSG00000226861	1.502585137	0.079715589	up-regulated gene
MINAR1	ENSG00000169330	1.502452039	4.75597E-09	up-regulated gene
AC245047.4	ENSG00000232813	1.502280004	0.183978393	up-regulated gene
GPX1P1	ENSG00000197582	1.502123159	7.65715E-05	up-regulated gene
AL161757.2	ENSG00000258428	1.502067943	0.024764764	up-regulated gene
LINC01909	ENSG00000266258	1.501869795	5.53404E-06	up-regulated gene
AC006978.2	ENSG00000281593	1.501855585	0.000475052	up-regulated gene
AC015849.4	ENSG00000270894	1.501583319	0.00577284	up-regulated gene

AC097714.1	ENSG00000248452	1.501314236	0.073204482	up-regulated gene
AL590617.1	ENSG00000216802	1.50130376	0.012571727	up-regulated gene
AL512324.1	ENSG00000275312	1.501004001	0.160793206	up-regulated gene
RTKN2	ENSG00000182010	1.500840469	3.69375E-07	up-regulated gene
AC008056.2	ENSG00000259106	1.50038252	0.134554267	up-regulated gene
CA15P1	ENSG00000241527	1.500330854	0.004814799	up-regulated gene
ADCY10	ENSG00000143199	1.500307167	0.000882428	up-regulated gene
AC068189.1	ENSG00000254248	1.500255766	0.00208959	up-regulated gene
TYMS	ENSG00000176890	1.499970549	6.37046E-10	up-regulated gene
AL133299.1	ENSG00000261120	1.499925348	0.08718536	up-regulated gene
TNFRSF18	ENSG00000186891	1.499790672	0.000170439	up-regulated gene
AC114485.1	ENSG00000233359	1.499653972	0.362527786	up-regulated gene
SNORD8	ENSG00000200785	1.499546704	0.093910782	up-regulated gene
AC104073.2	ENSG00000237026	1.499535031	0.118985974	up-regulated gene
AMN	ENSG00000166126	1.499437493	4.40557E-05	up-regulated gene
CHEK1	ENSG00000149554	1.499050548	4.88616E-16	up-regulated gene
AC091959.2	ENSG00000239602	1.498918022	0.044227906	up-regulated gene
PCAT4	ENSG00000251321	1.498335567	0.205992625	up-regulated gene
AC107016.1	ENSG00000257389	1.4983228	0.201668593	up-regulated gene
AC092296.2	ENSG00000267053	1.49813588	4.17926E-05	up-regulated gene
AC013714.1	ENSG00000254606	1.498093921	0.038146755	up-regulated gene
AC044839.3	ENSG00000255447	1.497974911	0.04321279	up-regulated gene
AC104446.2	ENSG00000275956	1.497753084	9.83164E-05	up-regulated gene
MSH5	ENSG00000204410	1.497642813	2.05602E-10	up-regulated gene
MTCO1P40	ENSG00000262902	1.497606766	0.002698466	up-regulated gene
SPINK5	ENSG00000133710	1.497569967	0.000976534	up-regulated gene
AC008395.1	ENSG00000268051	1.497252262	0.086280049	up-regulated gene
RNU6-1099P	ENSG00000200403	1.497251189	0.001233403	up-regulated gene
AL645608.6	ENSG00000272438	1.496949896	0.009092719	up-regulated gene
SUMO4	ENSG00000177688	1.496756397	7.56892E-05	up-regulated gene
AL731569.1	ENSG00000227896	1.496471089	8.88721E-11	up-regulated gene
RNA5SP494	ENSG00000222585	1.496372745	0.034285404	up-regulated gene
AC246785.2	ENSG00000233586	1.495987049	0.015548322	up-regulated gene
LINC01675	ENSG00000234142	1.495979446	0.001805914	up-regulated gene
EEF1E1P1	ENSG00000236307	1.495767813	5.25919E-06	up-regulated gene
CSE1L-AS1	ENSG00000227431	1.495181568	0.003029773	up-regulated gene
PCDHA2	ENSG00000204969	1.494594136	0.021835603	up-regulated gene
AL031600.2	ENSG00000261430	1.494339741	0.018813712	up-regulated gene
SNORD15A	ENSG00000206941	1.494338716	0.017038202	up-regulated gene
LINC00508	ENSG00000256971	1.494008137	0.414566966	up-regulated gene
SNORD18	ENSG00000200677	1.493961953	0.036420699	up-regulated gene
AC131009.3	ENSG00000273568	1.493799441	1.11921E-09	up-regulated gene
WDR72	ENSG00000166415	1.49364553	0.001203564	up-regulated gene
IGLV2-18	ENSG00000211664	1.493581679	0.023101846	up-regulated gene
LINC01409	ENSG00000237491	1.493441411	4.14657E-09	up-regulated gene
CTHRC1	ENSG00000164932	1.493163855	0.000239853	up-regulated gene
AC004775.1	ENSG00000272203	1.493000788	0.038565369	up-regulated gene
POM121L2	ENSG00000158553	1.492798624	0.017297041	up-regulated gene
Y_RNA	ENSG00000201555	1.4927831	2.15868E-05	up-regulated gene

AC016705.1	ENSG00000258010	1.492778373	0.052197254	up-regulated gene
SPDYE22P	ENSG00000266537	1.492757125	0.061898201	up-regulated gene
WBP11P2	ENSG00000226789	1.492737009	0.007948731	up-regulated gene
AC005578.1	ENSG00000280247	1.492624599	0.001261913	up-regulated gene
ASZ1	ENSG00000154438	1.492599787	0.195051076	up-regulated gene
AC023043.2	ENSG00000267404	1.492570775	0.013197466	up-regulated gene
AGAP12P	ENSG00000265018	1.49255136	0.00037175	up-regulated gene
PGLYRP2	ENSG00000161031	1.492505423	0.005408081	up-regulated gene
AC027627.1	ENSG00000249084	1.492450561	0.017160489	up-regulated gene
LINC02579	ENSG00000233694	1.492230531	0.019753497	up-regulated gene
PPP1R14BP3	ENSG00000179967	1.492226295	8.7977E-14	up-regulated gene
FAM166C	ENSG00000173557	1.492007716	0.001976965	up-regulated gene
SAA1	ENSG00000173432	1.491717441	0.021346029	up-regulated gene
AL592437.1	ENSG00000228366	1.491568569	0.065978988	up-regulated gene
TYR	ENSG00000077498	1.491485774	0.136962777	up-regulated gene
CDH26	ENSG00000124215	1.49136948	0.000997699	up-regulated gene
PDCD5P1	ENSG00000255909	1.491364686	0.000615925	up-regulated gene
NMB	ENSG00000197696	1.49114221	2.17171E-09	up-regulated gene
AP000844.2	ENSG00000238117	1.490776673	0.124549182	up-regulated gene
AC126773.4	ENSG00000260577	1.490468205	5.60541E-06	up-regulated gene
AC008736.2	ENSG00000267567	1.490336924	0.000409444	up-regulated gene
TMEM238	ENSG00000233493	1.490201941	5.02264E-07	up-regulated gene
RN7SL180P	ENSG00000242860	1.489807154	0.011752147	up-regulated gene
AL359195.2	ENSG00000279359	1.489652073	0.173484588	up-regulated gene
AL355870.1	ENSG00000233256	1.489516601	0.174966809	up-regulated gene
AL445524.1	ENSG00000233461	1.489341943	4.43644E-09	up-regulated gene
PRC1	ENSG00000198901	1.489329758	4.45429E-12	up-regulated gene
AC093416.2	ENSG00000275227	1.48930178	0.015392107	up-regulated gene
RMI2	ENSG00000175643	1.489162851	4.27072E-10	up-regulated gene
RASGEF1A	ENSG00000198915	1.48915196	0.000171228	up-regulated gene
VN1R78P	ENSG00000268272	1.489077974	0.10407438	up-regulated gene
H2AL1RP	ENSG00000229674	1.489064081	0.122239662	up-regulated gene
FKBP6	ENSG00000077800	1.489033456	0.010201905	up-regulated gene
Z99496.1	ENSG00000169075	1.488761014	0.06791019	up-regulated gene
MTND2P40	ENSG00000236483	1.488602911	0.011716977	up-regulated gene
SNORD60	ENSG00000206630	1.488426726	1.91648E-05	up-regulated gene
DAAM2-AS1	ENSG00000235033	1.48835614	0.000137104	up-regulated gene
MTHFD1L	ENSG00000120254	1.488201834	3.20516E-13	up-regulated gene
TEX46	ENSG00000227868	1.487808908	0.000687338	up-regulated gene
HAGLROS	ENSG00000226363	1.487764966	3.78161E-05	up-regulated gene
AL354864.1	ENSG00000232335	1.487603183	0.008044174	up-regulated gene
GRM5-AS1	ENSG00000255082	1.487550773	0.098945682	up-regulated gene
AC097532.2	ENSG00000272769	1.487304389	0.001050129	up-regulated gene
AL445487.1	ENSG00000226535	1.487037208	0.031289118	up-regulated gene
TRPV6	ENSG00000165125	1.487001584	0.002395584	up-regulated gene
IGKV2D-40	ENSG00000251039	1.486608519	0.045702731	up-regulated gene
OR7E122P	ENSG00000215160	1.486389433	0.090839064	up-regulated gene
KPNA2	ENSG00000182481	1.48610848	2.83508E-14	up-regulated gene
AL513327.2	ENSG00000270115	1.48584561	7.96579E-05	up-regulated gene

AC008734.2	ENSG00000269400	1.485787004	0.017170745	up-regulated gene
AC019197.1	ENSG00000236283	1.485696712	0.004870308	up-regulated gene
AC016747.2	ENSG00000271889	1.485613502	0.00617451	up-regulated gene
RN7SL239P	ENSG00000242999	1.485396485	0.011323842	up-regulated gene
AC093072.1	ENSG00000266951	1.485323392	0.07184412	up-regulated gene
AC104435.2	ENSG00000244345	1.48515157	0.010480591	up-regulated gene
AL356124.1	ENSG00000226149	1.484987718	0.000709881	up-regulated gene
AF107885.1	ENSG00000242488	1.484483849	0.064462905	up-regulated gene
AC103764.1	ENSG00000251218	1.484365427	0.214168705	up-regulated gene
ZNF738	ENSG00000172687	1.484179237	1.44427E-09	up-regulated gene
AL596087.3	ENSG00000230898	1.484072192	0.107192672	up-regulated gene
GOLGA8G	ENSG00000183629	1.484028475	0.148274718	up-regulated gene
HGD	ENSG00000113924	1.483837378	0.00234846	up-regulated gene
AC013400.1	ENSG00000271991	1.483832667	0.000349803	up-regulated gene
CDCA4	ENSG00000170779	1.483505325	1.70637E-14	up-regulated gene
AC211433.1	ENSG00000232729	1.483370329	5.2878E-05	up-regulated gene
AC244035.1	ENSG00000226780	1.483355378	0.090034168	up-regulated gene
AC097639.1	ENSG00000261572	1.482913025	9.79516E-06	up-regulated gene
SYTL5	ENSG00000147041	1.482764552	0.004988648	up-regulated gene
GSTP1P1	ENSG00000257569	1.482468135	0.009962508	up-regulated gene
AC105129.1	ENSG00000259232	1.482382745	0.068302696	up-regulated gene
WDR97	ENSG00000179698	1.482331519	4.02923E-07	up-regulated gene
FAM83A-AS1	ENSG00000204949	1.481997372	0.004954823	up-regulated gene
CNN2P8	ENSG00000213355	1.481551603	0.114068857	up-regulated gene
C12orf40	ENSG00000180116	1.481438205	0.120295118	up-regulated gene
MB	ENSG00000198125	1.481405747	0.009089742	up-regulated gene
AC027237.1	ENSG00000259191	1.481355174	0.060702451	up-regulated gene
AP001636.2	ENSG00000254877	1.481346472	0.104363798	up-regulated gene
MICE	ENSG00000273340	1.480947312	0.000223182	up-regulated gene
GGTLC1	ENSG00000149435	1.480530886	0.089622778	up-regulated gene
CTSLP1	ENSG00000236417	1.480413284	0.12254477	up-regulated gene
AC006449.1	ENSG00000274996	1.480382751	0.139362907	up-regulated gene
AC083798.1	ENSG00000242531	1.480236094	0.016425742	up-regulated gene
PRSS51	ENSG00000253649	1.480175071	0.002476189	up-regulated gene
AL133396.1	ENSG00000278595	1.480132647	0.008134883	up-regulated gene
GINS4	ENSG00000147536	1.479975073	4.72393E-10	up-regulated gene
DENND5B-AS1	ENSG00000255867	1.479965957	0.004490634	up-regulated gene
AC025030.1	ENSG00000257864	1.479777587	0.028500348	up-regulated gene
MESTP1	ENSG00000220884	1.479639798	0.021445872	up-regulated gene
AC093895.1	ENSG00000249001	1.479529548	0.000912712	up-regulated gene
AC026401.1	ENSG00000257769	1.479193852	0.041867319	up-regulated gene
LINC01933	ENSG00000254226	1.47894082	0.010546311	up-regulated gene
TLL6	ENSG00000170703	1.478829698	0.010281244	up-regulated gene
WFDC11	ENSG00000180083	1.478589003	0.170513708	up-regulated gene
SULT1A3	ENSG00000261052	1.478216582	9.24852E-05	up-regulated gene
JAKMIP2-AS1	ENSG00000280780	1.478010286	0.067252527	up-regulated gene
AL356274.2	ENSG00000279511	1.478001382	0.002558313	up-regulated gene
AC104129.1	ENSG00000176349	1.47787074	0.027272786	up-regulated gene
AL008729.2	ENSG00000272379	1.477604702	0.006668942	up-regulated gene

ATP2C2-AS1	ENSG00000261286	1.477536728	2.66665E-05	up-regulated gene
NCBP2-AS1	ENSG00000225578	1.477353431	2.741E-05	up-regulated gene
EMC3-AS1	ENSG00000180385	1.477299904	3.52035E-09	up-regulated gene
ESCO2	ENSG00000171320	1.477264432	9.14685E-10	up-regulated gene
SNAP23P1	ENSG00000230758	1.476950513	0.008861237	up-regulated gene
LINC01607	ENSG00000272138	1.476791324	0.000184338	up-regulated gene
CTAGE8	ENSG00000244693	1.476154102	0.000218059	up-regulated gene
LCTL	ENSG00000188501	1.476028272	2.81896E-07	up-regulated gene
TPTE2P2	ENSG00000272281	1.475881115	0.027338259	up-regulated gene
AL109917.1	ENSG00000231050	1.475805328	3.17647E-06	up-regulated gene
PPIAP74	ENSG00000220343	1.475765907	0.011355981	up-regulated gene
SCGB2A1	ENSG00000124939	1.475756036	0.058940601	up-regulated gene
SLC35F3	ENSG00000183780	1.475508711	0.015619366	up-regulated gene
AC024475.3	ENSG00000255314	1.475380511	0.129241083	up-regulated gene
AC079943.2	ENSG00000242536	1.474597939	0.119860806	up-regulated gene
AL021026.1	ENSG00000225243	1.47370473	0.090280605	up-regulated gene
AC073592.3	ENSG00000279071	1.473631083	0.03050464	up-regulated gene
AC108729.2	ENSG00000243518	1.473580437	0.049729928	up-regulated gene
AL355802.2	ENSG00000252218	1.473390712	0.044516395	up-regulated gene
AC006252.1	ENSG00000243224	1.473061904	2.68864E-09	up-regulated gene
AL358613.2	ENSG00000279607	1.472644413	0.098830277	up-regulated gene
TLCD1	ENSG00000160606	1.472485722	5.57085E-09	up-regulated gene
AC024940.5	ENSG00000275097	1.47240977	2.69326E-06	up-regulated gene
IFI44L	ENSG00000137959	1.472374298	0.000396641	up-regulated gene
E2F8	ENSG00000129173	1.472161104	1.45174E-08	up-regulated gene
LINC01572	ENSG00000261008	1.472089377	3.61052E-08	up-regulated gene
MIR548L	ENSG00000221230	1.471926701	0.06773029	up-regulated gene
AC138305.3	ENSG00000279225	1.471604354	0.000177808	up-regulated gene
FAM131C	ENSG00000185519	1.471557575	0.000320664	up-regulated gene
KCNJ13	ENSG00000115474	1.471126941	0.015454097	up-regulated gene
MGAM2	ENSG00000257743	1.470830169	0.076628636	up-regulated gene
AC010168.2	ENSG00000261324	1.47011279	4.09008E-07	up-regulated gene
KRT18P18	ENSG00000261764	1.47004751	0.009619496	up-regulated gene
AC010463.3	ENSG00000269815	1.469956147	1.77587E-06	up-regulated gene
AC040934.1	ENSG00000253347	1.469855496	0.00019038	up-regulated gene
AMER2	ENSG00000165566	1.469795912	0.085865025	up-regulated gene
FEN1	ENSG00000168496	1.469636932	8.09126E-13	up-regulated gene
KIF24	ENSG00000186638	1.469343027	4.62471E-11	up-regulated gene
SNORD73B	ENSG00000201264	1.469206049	0.006443981	up-regulated gene
LINC01410	ENSG00000238113	1.469203605	5.04685E-09	up-regulated gene
AP001453.2	ENSG00000256116	1.46914303	1.47633E-06	up-regulated gene
P3H4	ENSG00000141696	1.469123861	1.90257E-10	up-regulated gene
AC092329.2	ENSG00000269471	1.469066464	0.057880365	up-regulated gene
EPSTI1	ENSG00000133106	1.468841622	2.78471E-05	up-regulated gene
MCM4	ENSG00000104738	1.468713026	2.76295E-15	up-regulated gene
AL109946.1	ENSG00000236064	1.468445776	0.005247118	up-regulated gene
DHCR7	ENSG00000172893	1.4684184	1.98761E-12	up-regulated gene
RCC1	ENSG00000180198	1.468417769	2.95963E-21	up-regulated gene
RNU5E-4P	ENSG00000201801	1.468338352	0.202496164	up-regulated gene

AC098848.1	ENSG00000267112	1.468140989	0.011060602	up-regulated gene
AC010768.2	ENSG00000255092	1.467969188	0.023288228	up-regulated gene
SNORD121A	ENSG00000238886	1.467605719	0.043123398	up-regulated gene
AC023090.1	ENSG00000267015	1.467530854	0.042688603	up-regulated gene
AL135844.1	ENSG00000201151	1.467444431	0.000189593	up-regulated gene
IGFBP3	ENSG00000146674	1.467293417	9.59011E-05	up-regulated gene
AC006512.2	ENSG00000257078	1.467165483	0.321310994	up-regulated gene
DLX5	ENSG00000105880	1.46712791	0.000808186	up-regulated gene
RNU7-61P	ENSG00000251706	1.467034071	0.127312977	up-regulated gene
AC079070.1	ENSG00000265380	1.466794269	0.18987129	up-regulated gene
AL031600.1	ENSG00000260051	1.466792827	2.35425E-07	up-regulated gene
AC068669.1	ENSG00000279199	1.466657603	5.79486E-05	up-regulated gene
AC007881.1	ENSG00000233870	1.466527855	0.106920807	up-regulated gene
Y_RNA	ENSG00000201207	1.466226453	3.45042E-06	up-regulated gene
SNORD88A	ENSG00000221241	1.466117151	0.001650516	up-regulated gene
EWSAT1	ENSG00000212766	1.465935235	0.001088985	up-regulated gene
AC119150.1	ENSG00000249916	1.465831	0.007282482	up-regulated gene
KCTD16	ENSG00000183775	1.465683361	0.002613041	up-regulated gene
AC104763.1	ENSG00000241157	1.465393152	0.00124864	up-regulated gene
AL359692.1	ENSG00000213556	1.465246757	0.284523608	up-regulated gene
AC133550.1	ENSG00000252461	1.464626974	0.053750584	up-regulated gene
FOXD2	ENSG00000186564	1.464396614	8.12027E-06	up-regulated gene
AL445623.1	ENSG00000233906	1.464328034	0.086725101	up-regulated gene
MAFA-AS1	ENSG00000254338	1.464137605	0.02237162	up-regulated gene
AC245041.2	ENSG00000276850	1.464038044	3.47563E-05	up-regulated gene
LINC01494	ENSG00000228135	1.463739335	0.038638575	up-regulated gene
POLHP1	ENSG00000232970	1.46370038	0.065059718	up-regulated gene
UGT2B11	ENSG00000213759	1.463675022	0.069849365	up-regulated gene
AL121772.1	ENSG00000274414	1.463389916	0.000103578	up-regulated gene
AC010326.4	ENSG00000270804	1.463144998	5.7923E-12	up-regulated gene
AC069360.1	ENSG00000250041	1.462889215	0.000239289	up-regulated gene
CDC7	ENSG00000097046	1.462698637	3.01397E-13	up-regulated gene
AC096711.1	ENSG00000249463	1.462508153	0.148084176	up-regulated gene
AL161909.2	ENSG00000232978	1.462405737	0.046579953	up-regulated gene
RN7SL381P	ENSG00000263968	1.462371455	0.00241511	up-regulated gene
AC009120.5	ENSG00000275236	1.462282097	0.000161735	up-regulated gene
AC079140.5	ENSG00000251689	1.462254495	0.011068357	up-regulated gene
ITIH2	ENSG00000151655	1.462247349	0.002863993	up-regulated gene
AC011815.2	ENSG00000274184	1.462234986	0.000108885	up-regulated gene
NPM1P43	ENSG00000259440	1.46216312	0.095498939	up-regulated gene
ISM1-AS1	ENSG00000226263	1.461944347	0.007081715	up-regulated gene
MTCO3P12	ENSG00000198744	1.461881238	0.001825973	up-regulated gene
AL110115.1	ENSG00000274364	1.461852704	0.002766792	up-regulated gene
AC010655.1	ENSG00000228700	1.461497831	0.017740821	up-regulated gene
RPL18AP2	ENSG00000225043	1.461495437	0.028721809	up-regulated gene
AC026362.1	ENSG00000256028	1.461456086	5.68684E-11	up-regulated gene
Y_RNA	ENSG00000206660	1.461006828	0.010858851	up-regulated gene
AC073850.1	ENSG00000229436	1.460999572	0.118570558	up-regulated gene
AC012354.8	ENSG00000277809	1.46091026	0.102341766	up-regulated gene

TGFB3L	ENSG00000260001	1.460466357	0.000490354	up-regulated gene
AC104332.1	ENSG00000225505	1.459993334	0.058297742	up-regulated gene
OR2B2	ENSG00000168131	1.459644122	0.121144114	up-regulated gene
TMEM78	ENSG00000177800	1.459308431	0.055747855	up-regulated gene
SLAMF8	ENSG00000158714	1.459097809	0.000155414	up-regulated gene
AC008060.1	ENSG00000218672	1.459089647	0.171183347	up-regulated gene
FSLP6	ENSG00000254984	1.458973715	0.086584402	up-regulated gene
MTND4P11	ENSG00000234099	1.458897794	0.090900087	up-regulated gene
NDUFB4P12	ENSG00000124399	1.458896475	0.011337595	up-regulated gene
DUTP2	ENSG00000254388	1.458891677	0.018664001	up-regulated gene
LINC02844	ENSG00000253679	1.458800679	0.087545277	up-regulated gene
WFDC5	ENSG00000175121	1.45868915	0.026317306	up-regulated gene
AL139241.1	ENSG00000230928	1.458600465	0.022376749	up-regulated gene
TIMELESS	ENSG00000111602	1.458514073	3.08851E-19	up-regulated gene
DSCC1	ENSG00000136982	1.458092538	1.95474E-11	up-regulated gene
RPSAP13	ENSG00000233924	1.458076987	0.032380824	up-regulated gene
RTKN	ENSG00000114993	1.458018833	3.29995E-09	up-regulated gene
AC092198.1	ENSG00000223486	1.457771998	0.030937487	up-regulated gene
TMEM151B	ENSG00000178233	1.457634346	0.001222036	up-regulated gene
AL731567.1	ENSG00000231964	1.457433637	0.000165196	up-regulated gene
F11-AS1	ENSG00000251165	1.457262204	0.16202883	up-regulated gene
AC022031.1	ENSG00000267172	1.457138179	0.093706085	up-regulated gene
CYP4F2	ENSG00000186115	1.457024941	0.024677451	up-regulated gene
AL109945.1	ENSG00000233775	1.456684217	0.011209335	up-regulated gene
AC073621.2	ENSG00000227158	1.456355902	0.030789441	up-regulated gene
RNA5SP108	ENSG00000271924	1.456298526	0.001905805	up-regulated gene
METTL21AP1	ENSG00000229623	1.455892345	0.132455107	up-regulated gene
TRPM2	ENSG00000142185	1.455351177	2.41568E-06	up-regulated gene
MIR200CHG	ENSG00000257084	1.455081313	3.74614E-05	up-regulated gene
BBIP1P1	ENSG00000271532	1.454989314	0.009680725	up-regulated gene
AL390755.2	ENSG00000279965	1.454980903	0.095160096	up-regulated gene
MIR210	ENSG00000199038	1.454945236	0.001068022	up-regulated gene
AC011445.1	ENSG00000269246	1.454795785	2.77114E-05	up-regulated gene
FBXO2	ENSG00000116661	1.454711151	0.000369076	up-regulated gene
RN7SL444P	ENSG00000265753	1.454691837	0.011084076	up-regulated gene
PACC1	ENSG00000065600	1.454547276	8.30144E-20	up-regulated gene
CATSPERB	ENSG00000133962	1.454537172	5.79514E-05	up-regulated gene
AC087761.1	ENSG00000259967	1.454517248	0.051466842	up-regulated gene
BRDT	ENSG00000137948	1.454123176	0.075856187	up-regulated gene
PAUPAR	ENSG00000281880	1.45405826	0.168019052	up-regulated gene
AP001412.1	ENSG00000272948	1.453815581	1.26053E-06	up-regulated gene
AC007040.3	ENSG00000277764	1.453671075	0.09721556	up-regulated gene
ACAN	ENSG00000157766	1.453534403	0.000155884	up-regulated gene
GLYATL1P2	ENSG00000254717	1.45348285	0.267887671	up-regulated gene
AP002373.1	ENSG00000255663	1.453333214	0.024121002	up-regulated gene
FBXO41	ENSG00000163013	1.453301165	1.14862E-10	up-regulated gene
AC103957.2	ENSG00000254153	1.453206553	0.001944566	up-regulated gene
HSPA8P3	ENSG00000234788	1.453061652	0.03127034	up-regulated gene
LN1-AS1	ENSG00000250930	1.45300065	0.037733882	up-regulated gene

EHMT2-AS1	ENSG00000237080	1.452863775	0.000845475	up-regulated gene
POU5F1P4	ENSG00000237872	1.452805438	0.027423152	up-regulated gene
AL353622.2	ENSG00000271398	1.452457132	0.001704105	up-regulated gene
AC012501.3	ENSG00000242575	1.452380306	0.0466916	up-regulated gene
ADGRE2	ENSG00000127507	1.452316601	6.54425E-06	up-regulated gene
AC012174.1	ENSG00000260115	1.452238917	0.022807459	up-regulated gene
AP003086.1	ENSG00000254420	1.452216539	0.00523607	up-regulated gene
ERAS	ENSG00000187682	1.452112335	0.003522463	up-regulated gene
AC008763.1	ENSG00000268204	1.451945363	7.12292E-05	up-regulated gene
EGFR-AS1	ENSG00000224057	1.451903689	0.00240303	up-regulated gene
Z98752.2	ENSG00000234271	1.451844192	0.060865594	up-regulated gene
WNT6	ENSG00000115596	1.45163688	0.003171532	up-regulated gene
RN7SL466P	ENSG00000241347	1.451604336	0.136865481	up-regulated gene
GJB2	ENSG00000165474	1.45151534	0.002702764	up-regulated gene
LINC01595	ENSG00000259108	1.451443645	0.242498865	up-regulated gene
CDRT15	ENSG00000223510	1.451423536	0.001747061	up-regulated gene
AC026336.3	ENSG00000276122	1.451107434	0.091953605	up-regulated gene
TBC1D26	ENSG00000214946	1.450870843	0.029174572	up-regulated gene
LINC02223	ENSG00000249937	1.449812504	0.098710539	up-regulated gene
SHCBP1	ENSG00000171241	1.449724008	1.19309E-09	up-regulated gene
AC002470.1	ENSG00000272829	1.449669214	4.28902E-07	up-regulated gene
FOCAD-AS1	ENSG00000227071	1.44952027	0.007171749	up-regulated gene
AC092953.1	ENSG00000244346	1.449357116	0.006561187	up-regulated gene
MFSD3	ENSG00000167700	1.448307919	4.07335E-12	up-regulated gene
AC084781.2	ENSG00000277790	1.448276942	0.145096621	up-regulated gene
OR10V2P	ENSG00000255538	1.448239258	0.03203974	up-regulated gene
AL121917.2	ENSG00000270951	1.448089707	0.000369637	up-regulated gene
AC128709.2	ENSG00000235126	1.448038942	0.045352042	up-regulated gene
AC005387.1	ENSG00000268938	1.44803641	1.16192E-06	up-regulated gene
DHCR24-DT	ENSG00000233203	1.447970455	2.36623E-05	up-regulated gene
AL391669.1	ENSG00000274594	1.447706752	0.028902899	up-regulated gene
TBC1D3E	ENSG00000278599	1.4474611	0.035571984	up-regulated gene
AP002770.2	ENSG00000256898	1.447308653	0.004735754	up-regulated gene
NP1PB11	ENSG00000254206	1.447040732	0.000364633	up-regulated gene
TCF19	ENSG00000137310	1.446789974	2.24138E-09	up-regulated gene
LRRC45	ENSG00000169683	1.446756529	7.31644E-16	up-regulated gene
AC009075.1	ENSG00000261673	1.446549621	0.022300795	up-regulated gene
SPATA13	ENSG00000228741	1.446252755	0.011936899	up-regulated gene
MANEAL	ENSG00000185090	1.445567527	1.37531E-06	up-regulated gene
AL590133.1	ENSG00000231073	1.445324683	0.000733283	up-regulated gene
IGHVII-78-1	ENSG00000253674	1.445324146	0.058711835	up-regulated gene
AL390961.3	ENSG00000279212	1.445143789	0.002102856	up-regulated gene
AC018442.2	ENSG00000253539	1.445082198	0.126794705	up-regulated gene
SQLE	ENSG00000104549	1.444954031	4.7741E-10	up-regulated gene
IFI44	ENSG00000137965	1.444535549	4.28249E-05	up-regulated gene
Y_RNA	ENSG00000200135	1.444204808	0.021051628	up-regulated gene
ISCA2P1	ENSG00000226912	1.444103531	0.026594156	up-regulated gene
AC020663.1	ENSG00000266994	1.443885213	0.037632021	up-regulated gene
AC010326.2	ENSG00000269476	1.44384535	0.000848653	up-regulated gene

AL121809.2	ENSG00000278147	1.443811777	0.01170937	up-regulated gene
SNORD42B	ENSG00000238423	1.443572147	0.011477771	up-regulated gene
AC021016.2	ENSG00000273361	1.443408644	4.9963E-05	up-regulated gene
AC008759.1	ENSG00000267490	1.443294695	0.030083778	up-regulated gene
AL137002.1	ENSG00000269125	1.443203465	0.004281137	up-regulated gene
SLC6A13	ENSG00000010379	1.442942444	0.006641845	up-regulated gene
AC069257.1	ENSG00000228028	1.442875873	0.018666554	up-regulated gene
AC011306.1	ENSG00000272180	1.442072552	0.003815642	up-regulated gene
FAM155B	ENSG00000130054	1.442034568	0.005385117	up-regulated gene
AL132712.1	ENSG00000258534	1.442010574	3.56307E-05	up-regulated gene
PLAAT2	ENSG00000133328	1.441973338	0.010372838	up-regulated gene
AL358075.2	ENSG00000227857	1.441847249	0.000770191	up-regulated gene
RPS15AP36	ENSG00000213013	1.441779642	0.0012897	up-regulated gene
AC233968.1	ENSG00000274615	1.441772592	0.001848673	up-regulated gene
TENT5D	ENSG00000174016	1.441707031	0.062251882	up-regulated gene
AL008718.2	ENSG00000273287	1.441688818	0.000538113	up-regulated gene
DLX3	ENSG00000064195	1.441688248	0.001763089	up-regulated gene
AC105137.2	ENSG00000276744	1.441679832	9.97826E-07	up-regulated gene
AL117344.1	ENSG00000218631	1.441655859	0.000239144	up-regulated gene
CKS1B	ENSG00000173207	1.44163425	8.83916E-13	up-regulated gene
NBAT1	ENSG00000260455	1.441492347	0.018047163	up-regulated gene
AC109583.1	ENSG00000206549	1.441274079	0.006815216	up-regulated gene
MIR1972-1	ENSG00000238728	1.441039789	0.038952878	up-regulated gene
AP001330.2	ENSG00000253942	1.440920262	0.171260789	up-regulated gene
AC004828.1	ENSG00000258871	1.440712318	0.047428878	up-regulated gene
ELF3-AS1	ENSG00000234678	1.440694188	1.09454E-06	up-regulated gene
AC134878.2	ENSG00000278212	1.440603429	0.003400553	up-regulated gene
CHRNA2	ENSG00000160716	1.440520902	0.000858935	up-regulated gene
Metazoa_SRP	ENSG00000277794	1.440138341	0.001173008	up-regulated gene
ATG9B	ENSG00000181652	1.439824858	0.000204998	up-regulated gene
AL590282.1	ENSG00000274024	1.439647425	0.011489262	up-regulated gene
AC064872.1	ENSG00000270470	1.43964235	0.587699142	up-regulated gene
C11orf72	ENSG00000184224	1.43923765	0.000975294	up-regulated gene
SLC22A1	ENSG00000175003	1.439099503	0.000134972	up-regulated gene
LHFPL3-AS2	ENSG00000225329	1.438987565	0.032065049	up-regulated gene
BMP2KL	ENSG00000204113	1.438598603	0.282413751	up-regulated gene
LINC02528	ENSG00000226004	1.438413237	0.056624746	up-regulated gene
AC093458.1	ENSG00000273293	1.438371566	0.042814154	up-regulated gene
SCARNA21	ENSG00000252835	1.438321075	0.003250232	up-regulated gene
AL031985.3	ENSG00000260920	1.437871491	1.83427E-10	up-regulated gene
AP006287.2	ENSG00000255038	1.437837448	0.000362492	up-regulated gene
SOX9	ENSG00000125398	1.437747422	0.000408265	up-regulated gene
AC072039.2	ENSG00000273455	1.437502324	0.002139965	up-regulated gene
AC003101.2	ENSG00000278546	1.437473369	0.001863916	up-regulated gene
CHST6	ENSG00000183196	1.437430698	0.000487149	up-regulated gene
AC002558.1	ENSG00000239291	1.437149397	0.001326954	up-regulated gene
PGF	ENSG00000119630	1.437026021	1.52172E-05	up-regulated gene
RNASEH2A	ENSG00000104889	1.436930488	1.90911E-16	up-regulated gene
MIR6740	ENSG00000275207	1.436907194	0.017830382	up-regulated gene

NF1P11	ENSG00000278184	1.43678066	0.310900829	up-regulated gene
GPR84	ENSG00000139572	1.43654065	0.000215867	up-regulated gene
SNORA3B	ENSG00000212607	1.436442257	0.000114544	up-regulated gene
FAM8A4P	ENSG00000232730	1.436269575	0.136941631	up-regulated gene
MIR548AA1	ENSG00000207704	1.436261906	0.006469958	up-regulated gene
LINC02816	ENSG00000225857	1.435855081	0.006650149	up-regulated gene
SPDYE16	ENSG00000185040	1.434956994	0.021334092	up-regulated gene
NCAN	ENSG00000130287	1.434819499	0.021682793	up-regulated gene
MYLK-AS1	ENSG00000239523	1.434275905	2.12733E-09	up-regulated gene
AC007014.1	ENSG00000262020	1.434011674	0.101952845	up-regulated gene
AC002558.2	ENSG00000261872	1.433758297	0.034414344	up-regulated gene
RN7SL426P	ENSG00000263815	1.433716903	0.051879136	up-regulated gene
AC010618.2	ENSG00000269161	1.4330407	3.30372E-06	up-regulated gene
AL157871.5	ENSG00000258904	1.43286349	0.00070179	up-regulated gene
AP004608.1	ENSG00000255545	1.432769179	0.056679116	up-regulated gene
CFL1P6	ENSG00000215785	1.432714121	0.006698951	up-regulated gene
AC068987.2	ENSG00000260473	1.4324212	0.061307601	up-regulated gene
WDR62	ENSG00000075702	1.432376812	3.28592E-09	up-regulated gene
ISCA1P4	ENSG00000259405	1.43235193	0.000907973	up-regulated gene
ABCB10P1	ENSG00000274099	1.432335328	0.185573422	up-regulated gene
RNU6-1043P	ENSG00000222287	1.432282573	0.07641605	up-regulated gene
AC124283.5	ENSG00000279613	1.432148763	0.000400165	up-regulated gene
SPZ1	ENSG00000164299	1.432027318	0.16967554	up-regulated gene
CLCN2	ENSG00000114859	1.431949038	4.05871E-18	up-regulated gene
AP003555.1	ENSG00000254605	1.431882514	0.001591554	up-regulated gene
AL391095.3	ENSG00000275401	1.431864207	0.000624135	up-regulated gene
PACSIN1	ENSG00000124507	1.431830805	0.000489291	up-regulated gene
AL445250.1	ENSG00000225096	1.431681028	0.015047653	up-regulated gene
CSMD2	ENSG00000121904	1.431646175	2.81431E-05	up-regulated gene
BNIP3P40	ENSG00000268058	1.431633004	0.013957716	up-regulated gene
LINC02555	ENSG00000260943	1.431480378	0.076534076	up-regulated gene
AJ011931.1	ENSG00000276633	1.431344533	0.181499793	up-regulated gene
WARS1	ENSG00000140105	1.430757864	0.00015931	up-regulated gene
AP003500.1	ENSG00000281386	1.430351791	0.182239813	up-regulated gene
KRT18P19	ENSG00000213601	1.430085238	0.002063708	up-regulated gene
CBLIF	ENSG00000134812	1.430062707	0.131757978	up-regulated gene
POTEM	ENSG00000222036	1.429996858	0.245579515	up-regulated gene
AC128687.2	ENSG00000273394	1.42982404	0.000332844	up-regulated gene
THEMIS3P	ENSG00000229442	1.42948432	0.099515815	up-regulated gene
AC010894.3	ENSG00000237798	1.429462222	0.030681668	up-regulated gene
RPEP4	ENSG00000233010	1.429335243	0.103283123	up-regulated gene
AC026320.2	ENSG00000237653	1.42914863	0.376844879	up-regulated gene
CT62	ENSG00000225362	1.429051552	0.009427002	up-regulated gene
RNU6-377P	ENSG00000251774	1.428959591	0.03800984	up-regulated gene
CCDC58P5	ENSG00000256681	1.428876002	0.037602065	up-regulated gene
SIGLEC14	ENSG00000254415	1.428842265	0.006946202	up-regulated gene
CLRN1-AS1	ENSG00000239265	1.4288249	0.109920079	up-regulated gene
H2AC6	ENSG00000180573	1.428770153	3.45407E-07	up-regulated gene
CDH24	ENSG00000139880	1.428642946	1.61729E-10	up-regulated gene

AC243967.3	ENSG00000278239	1.428617974	0.08993476	up-regulated gene
KRT18P38	ENSG00000214012	1.428573857	0.00311298	up-regulated gene
OR7E5P	ENSG00000214880	1.428563967	0.331229168	up-regulated gene
AC008870.2	ENSG00000260751	1.42796747	4.9689E-09	up-regulated gene
Y_RNA	ENSG00000223220	1.427960781	0.022928601	up-regulated gene
AC027612.1	ENSG00000223703	1.427904958	0.076365365	up-regulated gene
SNORA38B	ENSG00000200394	1.427793113	0.026395574	up-regulated gene
AC119751.5	ENSG00000250769	1.427760434	0.197615686	up-regulated gene
AC138951.2	ENSG00000279107	1.427337694	0.138025989	up-regulated gene
NEB	ENSG00000183091	1.427303937	4.6647E-05	up-regulated gene
AC006270.2	ENSG00000272383	1.427231096	0.332810101	up-regulated gene
TPM3P9	ENSG00000241015	1.427149811	4.34783E-09	up-regulated gene
ATP13A5	ENSG00000187527	1.427109122	0.065526318	up-regulated gene
OOEP	ENSG00000203907	1.427072245	0.04105054	up-regulated gene
CDK6-AS1	ENSG00000237819	1.426980655	0.011394642	up-regulated gene
KHSRPP1	ENSG00000229835	1.426973707	0.009324415	up-regulated gene
DHDH	ENSG00000104808	1.426881941	0.000107497	up-regulated gene
RNU6-554P	ENSG00000222398	1.42656259	0.040878084	up-regulated gene
FLG2	ENSG00000143520	1.426349327	0.120682127	up-regulated gene
AC011405.1	ENSG00000249593	1.426115375	0.000284974	up-regulated gene
CR392039.4	ENSG00000279501	1.426070672	0.349325838	up-regulated gene
RPL9P33	ENSG00000244071	1.425914613	0.1716761	up-regulated gene
AL359636.2	ENSG00000234156	1.425887241	0.009485206	up-regulated gene
AC034154.1	ENSG00000254044	1.425681528	0.110808163	up-regulated gene
FASN	ENSG00000169710	1.42567897	7.37717E-11	up-regulated gene
LINC01341	ENSG00000227953	1.42560658	0.000729132	up-regulated gene
FGF12-AS3	ENSG00000226709	1.425548426	0.048215246	up-regulated gene
LINC02267	ENSG00000248510	1.42500059	0.281670255	up-regulated gene
MTND1P9	ENSG00000228995	1.424924029	0.175851005	up-regulated gene
Y_RNA	ENSG00000202382	1.424488036	0.012148136	up-regulated gene
AC006023.2	ENSG00000270577	1.424019598	0.08241954	up-regulated gene
DNAH14	ENSG00000185842	1.423831857	1.77818E-08	up-regulated gene
AL358334.2	ENSG00000258711	1.423689863	0.000264261	up-regulated gene
TBC1D3J	ENSG00000274658	1.423390527	0.078866999	up-regulated gene
AMMECR1LP1	ENSG00000233273	1.423348027	0.115010166	up-regulated gene
NF1P9	ENSG00000281347	1.423302896	0.302145358	up-regulated gene
AJ239322.1	ENSG00000235615	1.42311482	0.174788258	up-regulated gene
ETV7-AS1	ENSG00000224666	1.422452779	8.19749E-05	up-regulated gene
RAB3B	ENSG00000169213	1.421979144	0.001230541	up-regulated gene
H2BC20P	ENSG00000261716	1.421879376	1.78402E-08	up-regulated gene
AC125603.2	ENSG00000257883	1.421702764	0.254369627	up-regulated gene
SNORA79B	ENSG00000222489	1.421321383	0.010106147	up-regulated gene
AL162411.1	ENSG00000236924	1.421313144	0.021397887	up-regulated gene
NRG1-IT1	ENSG00000253974	1.421275928	0.448947779	up-regulated gene
C19orf48	ENSG00000167747	1.421114856	1.20092E-15	up-regulated gene
ITGA2B	ENSG00000005961	1.420937549	0.000192966	up-regulated gene
MAGEA8-AS1	ENSG00000230899	1.420936621	0.034367236	up-regulated gene
ANKRD30B	ENSG00000180777	1.420929936	0.087204717	up-regulated gene
AC116096.1	ENSG00000261734	1.420746658	0.026347165	up-regulated gene

RPL39P40	ENSG00000226580	1.420586046	0.00650555	up-regulated gene
AC079949.2	ENSG00000278266	1.420552916	0.019859281	up-regulated gene
WNT16	ENSG00000002745	1.420347894	0.00330647	up-regulated gene
LARGE2	ENSG00000165905	1.420234613	0.000386253	up-regulated gene
AC002540.1	ENSG00000279067	1.420012229	0.030690506	up-regulated gene
RNU6-50P	ENSG00000199226	1.419868757	0.006132898	up-regulated gene
CEL	ENSG00000170835	1.41970452	0.002863504	up-regulated gene
AC092119.2	ENSG00000274460	1.419702384	8.30669E-07	up-regulated gene
MLXP1	ENSG00000226539	1.419640708	0.018476837	up-regulated gene
SMARCE1P1	ENSG00000225215	1.419408975	0.044751078	up-regulated gene
FSCN1	ENSG00000075618	1.419329502	4.60723E-06	up-regulated gene
SEC14L2	ENSG00000100003	1.419245804	1.90115E-06	up-regulated gene
FRG2JP	ENSG00000259897	1.419051881	0.242675035	up-regulated gene
AL691432.1	ENSG00000269737	1.419027406	2.79873E-05	up-regulated gene
DDX11L16	ENSG00000227159	1.418721725	0.126083421	up-regulated gene
RARRES2P1	ENSG00000241622	1.418640427	0.037574323	up-regulated gene
ERFE	ENSG00000178752	1.418552288	5.51691E-05	up-regulated gene
AC108516.2	ENSG00000255723	1.418149808	0.018663929	up-regulated gene
HSD3B2	ENSG00000203859	1.418030803	0.064555835	up-regulated gene
AC105235.1	ENSG00000279786	1.417749485	0.000516448	up-regulated gene
AC006254.3	ENSG00000271137	1.417540138	0.070947495	up-regulated gene
LINC02869	ENSG00000228208	1.417376966	0.04455683	up-regulated gene
MIR3164	ENSG00000265539	1.417286608	0.010383456	up-regulated gene
DRGX	ENSG00000165606	1.41723007	0.124992731	up-regulated gene
AC120498.9	ENSG00000274751	1.417193453	0.000293782	up-regulated gene
ARTN	ENSG00000117407	1.416944606	6.05519E-05	up-regulated gene
LY6K	ENSG00000160886	1.416827998	0.000489574	up-regulated gene
AC063948.1	ENSG00000257543	1.416773901	1.74447E-07	up-regulated gene
AC105250.1	ENSG00000250746	1.416736954	0.000484728	up-regulated gene
AC092941.1	ENSG00000225058	1.416721347	0.261251221	up-regulated gene
CILP2	ENSG00000160161	1.416676967	0.000562019	up-regulated gene
ACTBP12	ENSG00000233125	1.416650201	0.037582534	up-regulated gene
AP005264.5	ENSG00000267733	1.416316415	0.000798741	up-regulated gene
PRR15L	ENSG00000167183	1.416271088	0.002550068	up-regulated gene
DUSP5P2	ENSG00000235338	1.416098396	0.093960203	up-regulated gene
AP002414.1	ENSG00000212712	1.415818601	0.08525431	up-regulated gene
IFIT2	ENSG00000119922	1.41572928	0.000171941	up-regulated gene
LHFPL3	ENSG00000187416	1.415567991	0.074131118	up-regulated gene
RPL7P28	ENSG00000218632	1.4152256	0.042393442	up-regulated gene
DMRTC2	ENSG00000142025	1.415138957	0.088920661	up-regulated gene
WASIR1	ENSG00000185203	1.415087179	0.047382222	up-regulated gene
IFIT1B	ENSG00000204010	1.415023078	0.04918461	up-regulated gene
AL139039.3	ENSG00000237685	1.415000951	0.041021241	up-regulated gene
NDST3	ENSG00000164100	1.414883554	0.010164079	up-regulated gene
OR1J1	ENSG00000136834	1.414761767	0.014085047	up-regulated gene
AC138696.2	ENSG00000272172	1.414250771	4.58485E-07	up-regulated gene
FOXP1-IT1	ENSG00000242094	1.414197859	0.01220506	up-regulated gene
TMEM45A	ENSG00000181458	1.413915653	0.002969351	up-regulated gene
TEKT4	ENSG00000163060	1.413390161	0.003304017	up-regulated gene

SHANK2-AS1	ENSG00000226627	1.412959039	0.028689486	up-regulated gene
CFHR5	ENSG00000134389	1.412927885	0.233896987	up-regulated gene
GPR158-AS1	ENSG00000233642	1.412741401	0.219958734	up-regulated gene
RNF126P1	ENSG00000261192	1.412408154	0.020877049	up-regulated gene
ANKRD30BP3	ENSG00000230501	1.412310829	0.080026258	up-regulated gene
RPL7P14	ENSG00000232994	1.412131288	0.087035493	up-regulated gene
AC018892.3	ENSG00000279791	1.411872151	0.006008254	up-regulated gene
AC097065.1	ENSG00000213045	1.411563529	0.035920801	up-regulated gene
HSPD1P7	ENSG00000215005	1.411186472	0.036846826	up-regulated gene
BOLA2B	ENSG00000169627	1.411177553	2.54047E-08	up-regulated gene
AL513320.1	ENSG00000238260	1.411163051	7.3746E-07	up-regulated gene
RPL17P11	ENSG00000233445	1.411130224	0.01721354	up-regulated gene
ALOX12P2	ENSG00000262943	1.411110565	0.000655287	up-regulated gene
MYO10	ENSG00000145555	1.41107459	6.29877E-07	up-regulated gene
PLA2G2E	ENSG00000188784	1.409953273	0.226011838	up-regulated gene
MMP23A	ENSG00000215914	1.409736786	0.025005202	up-regulated gene
KLF4P1	ENSG00000233186	1.409651124	0.149334281	up-regulated gene
PYY	ENSG00000131096	1.409438388	0.000448637	up-regulated gene
AL357568.1	ENSG00000271917	1.409395879	0.064415402	up-regulated gene
MYH15	ENSG00000144821	1.40910428	0.002159596	up-regulated gene
AL606534.4	ENSG00000253326	1.409019044	0.002980704	up-regulated gene
RNVU1-7	ENSG00000206585	1.408996884	0.036698962	up-regulated gene
KIRREL2	ENSG00000126259	1.408918096	0.013165871	up-regulated gene
AC010300.1	ENSG00000267934	1.40877274	0.000901286	up-regulated gene
AC026191.1	ENSG00000254485	1.408703172	3.04897E-05	up-regulated gene
AC100839.1	ENSG00000259756	1.408388171	0.283866375	up-regulated gene
ZYG11A	ENSG00000203995	1.408272053	0.001592872	up-regulated gene
TGM4	ENSG00000163810	1.408252894	0.001051636	up-regulated gene
LINC02851	ENSG00000229611	1.408236775	0.027820499	up-regulated gene
LINC00313	ENSG00000185186	1.408094504	0.002317327	up-regulated gene
ANKRD65	ENSG00000235098	1.40771094	5.9724E-05	up-regulated gene
AC073114.1	ENSG00000226965	1.407299914	0.028771317	up-regulated gene
FTLP12	ENSG00000265095	1.407217607	0.0772408	up-regulated gene
LRFN1	ENSG00000128011	1.407207758	2.09417E-05	up-regulated gene
ZNF761	ENSG00000160336	1.407165353	3.61634E-08	up-regulated gene
MIR217HG	ENSG00000226702	1.407161484	0.193058218	up-regulated gene
PGLYRP4	ENSG00000163218	1.407132256	0.026186351	up-regulated gene
CNPY1	ENSG00000146910	1.406900929	0.213486887	up-regulated gene
AL121832.2	ENSG00000273619	1.406545968	5.52397E-09	up-regulated gene
AC092821.2	ENSG00000256975	1.405899882	0.039754453	up-regulated gene
RGL3	ENSG00000205517	1.405537551	0.001660276	up-regulated gene
AL359273.2	ENSG00000249237	1.405520398	0.051537211	up-regulated gene
AC010680.3	ENSG00000271011	1.405510373	0.008054167	up-regulated gene
XAGE1B	ENSG00000204382	1.405105381	0.410353723	up-regulated gene
CPT1B	ENSG00000205560	1.404328253	1.10712E-07	up-regulated gene
AC006449.5	ENSG00000277182	1.404204824	4.79222E-08	up-regulated gene
AL732446.1	ENSG00000202523	1.404198859	0.054768133	up-regulated gene
AC093801.1	ENSG00000248388	1.40400774	0.019586322	up-regulated gene
AC007342.1	ENSG00000259926	1.403858541	0.033727219	up-regulated gene

SMIM28	ENSG00000262543	1.40381222	0.101801045	up-regulated gene
HMGB1P19	ENSG00000253463	1.403357492	0.011724502	up-regulated gene
CELF4	ENSG00000101489	1.403237418	0.000759772	up-regulated gene
MIR210HG	ENSG00000247095	1.40319067	2.07198E-06	up-regulated gene
KIF28P	ENSG00000223519	1.403108836	0.002170083	up-regulated gene
AC096719.1	ENSG00000250039	1.402756208	0.004915952	up-regulated gene
AL390719.2	ENSG00000272141	1.402729483	0.000512192	up-regulated gene
AP003733.3	ENSG00000279491	1.402679609	7.03027E-09	up-regulated gene
CENPH	ENSG00000153044	1.402596332	2.20983E-14	up-regulated gene
ANKRD30A	ENSG00000148513	1.402536336	0.146140891	up-regulated gene
PDE6B-AS1	ENSG00000242686	1.402433537	0.039409198	up-regulated gene
TBL1XR1-AS1	ENSG00000231310	1.402268982	0.007545545	up-regulated gene
AL512625.2	ENSG00000229422	1.401900536	6.62942E-05	up-regulated gene
LINC01355	ENSG00000261326	1.401888506	6.34728E-08	up-regulated gene
TRMT112P3	ENSG00000265262	1.40157948	0.021398896	up-regulated gene
AC006028.1	ENSG00000231357	1.401299793	0.089327146	up-regulated gene
AC091304.2	ENSG00000260159	1.401166619	0.13839823	up-regulated gene
IGLV3-6	ENSG00000253448	1.401122622	0.146024404	up-regulated gene
AC118555.1	ENSG00000235096	1.400612044	0.09438259	up-regulated gene
CCNF	ENSG00000162063	1.40027489	1.5328E-16	up-regulated gene
C19orf73	ENSG00000221916	1.400145492	9.45981E-10	up-regulated gene
CDA	ENSG00000158825	1.400037452	0.002897661	up-regulated gene
CCDC151	ENSG00000198003	1.399674533	0.000213142	up-regulated gene
AC010319.4	ENSG00000269481	1.399645247	7.24795E-10	up-regulated gene
BRI3BPP1	ENSG00000269136	1.399482577	0.040694631	up-regulated gene
RPL7AP2	ENSG00000241984	1.399003822	0.003788424	up-regulated gene
BRWD1P2	ENSG00000258290	1.398882787	0.020380199	up-regulated gene
AC020658.3	ENSG00000260648	1.398768779	0.019624018	up-regulated gene
RNU6-353P	ENSG00000201136	1.398615846	0.007689794	up-regulated gene
AC009229.2	ENSG00000229160	1.398592562	0.019885828	up-regulated gene
C17orf64	ENSG00000141371	1.398542778	0.009225897	up-regulated gene
AC018797.2	ENSG00000251288	1.398503831	0.020828166	up-regulated gene
NF1P10	ENSG00000277529	1.398149751	0.231083544	up-regulated gene
AL355990.2	ENSG00000235526	1.39779909	0.153501347	up-regulated gene
Y_RNA	ENSG00000200209	1.397790931	0.014607534	up-regulated gene
CFAP53	ENSG00000172361	1.397699181	2.65265E-06	up-regulated gene
PTTG1	ENSG00000164611	1.397679415	6.3212E-09	up-regulated gene
ZDHHC23	ENSG00000184307	1.397522613	4.00893E-11	up-regulated gene
AL592227.1	ENSG00000275130	1.397295373	0.621849319	up-regulated gene
RFC4	ENSG00000163918	1.397228318	1.26085E-13	up-regulated gene
AC104852.1	ENSG00000237810	1.397174478	0.13517246	up-regulated gene
AC006946.1	ENSG00000235328	1.397130478	0.028190733	up-regulated gene
PSMG3	ENSG00000157778	1.396901331	2.90439E-17	up-regulated gene
AC007161.1	ENSG00000234718	1.396743851	0.027499173	up-regulated gene
AC011466.3	ENSG00000269534	1.396725916	4.38904E-05	up-regulated gene
AC245884.8	ENSG00000267838	1.396628375	1.52986E-06	up-regulated gene
AC131212.4	ENSG00000280311	1.395944557	0.000495394	up-regulated gene
ATAD2	ENSG00000156802	1.395905561	5.05071E-12	up-regulated gene
LINC01920	ENSG00000236049	1.395876199	0.391480028	up-regulated gene

VDAC2P4	ENSG00000234682	1.395174837	0.102295988	up-regulated gene
PKD2L1	ENSG00000107593	1.395071598	0.001019414	up-regulated gene
AL583836.1	ENSG00000276490	1.394909879	0.243199526	up-regulated gene
ZGRF1	ENSG00000138658	1.394841697	5.62743E-13	up-regulated gene
AL133372.2	ENSG00000248975	1.394714631	0.098981271	up-regulated gene
MDFI	ENSG00000112559	1.394665881	2.20055E-05	up-regulated gene
ANO1	ENSG00000131620	1.394494205	0.000247826	up-regulated gene
RPL12P9	ENSG00000232687	1.394480402	0.042253253	up-regulated gene
C2orf66	ENSG00000187944	1.394462489	0.002233419	up-regulated gene
RBMXL2	ENSG00000170748	1.39430628	0.034411986	up-regulated gene
SMG1P7	ENSG00000261556	1.39427219	1.47094E-08	up-regulated gene
AL022331.1	ENSG00000236132	1.394195452	0.020340567	up-regulated gene
AC007938.2	ENSG00000270823	1.394167511	0.001811731	up-regulated gene
PLAC1	ENSG00000170965	1.393886543	0.003680513	up-regulated gene
AC040169.1	ENSG00000260018	1.393559188	1.39846E-06	up-regulated gene
TSPY1	ENSG00000258992	1.393370249	0.626015947	up-regulated gene
AC003006.1	ENSG00000269026	1.393347733	0.023950523	up-regulated gene
BRCA1	ENSG00000012048	1.39322619	8.43695E-14	up-regulated gene
AC010096.1	ENSG00000234597	1.392968928	0.198612128	up-regulated gene
MAGEC3	ENSG00000165509	1.392683302	0.100814534	up-regulated gene
AL117379.1	ENSG00000273759	1.392657486	5.52226E-08	up-regulated gene
UOX	ENSG00000240520	1.392608471	0.019047239	up-regulated gene
DONSON	ENSG00000159147	1.392538959	1.02645E-14	up-regulated gene
AL359694.1	ENSG00000219404	1.391823006	0.065041481	up-regulated gene
NDUFAF4P2	ENSG00000213483	1.391772978	0.054261343	up-regulated gene
LORICRIN	ENSG00000203782	1.391471576	0.07849239	up-regulated gene
BX284613.2	ENSG00000231424	1.390776415	0.012273318	up-regulated gene
AL353795.2	ENSG00000234181	1.390762917	0.012182821	up-regulated gene
SEPHS2P1	ENSG00000250247	1.390506655	0.123743907	up-regulated gene
ITPR3	ENSG00000096433	1.390425226	2.26564E-09	up-regulated gene
AL022322.1	ENSG00000272720	1.390327886	8.92299E-05	up-regulated gene
CENPO	ENSG00000138092	1.390297284	2.84471E-17	up-regulated gene
AC245884.12	ENSG00000276758	1.389890024	0.040174223	up-regulated gene
NPSR1	ENSG00000187258	1.389538516	0.040278768	up-regulated gene
MIR4635	ENSG00000263834	1.389418833	0.006050689	up-regulated gene
AC112491.1	ENSG00000269888	1.38940669	1.4881E-05	up-regulated gene
POTEF	ENSG00000196604	1.389127173	0.002461113	up-regulated gene
AKR1B1	ENSG00000085662	1.389039422	2.19507E-05	up-regulated gene
AC097717.1	ENSG00000232732	1.388941286	0.001848689	up-regulated gene
AC034105.1	ENSG00000197476	1.388856167	0.090318461	up-regulated gene
CCR5AS	ENSG00000223552	1.388790152	0.000225083	up-regulated gene
CTRB1	ENSG00000168925	1.388752355	0.139382247	up-regulated gene
AURKAP1	ENSG00000213033	1.388644906	0.000692368	up-regulated gene
AL603832.3	ENSG00000271810	1.388629578	0.011459064	up-regulated gene
AC027243.1	ENSG00000259514	1.388325086	0.002837564	up-regulated gene
HMG2P38	ENSG00000231726	1.387830654	0.035169651	up-regulated gene
AC005726.4	ENSG00000265287	1.387757054	0.015782452	up-regulated gene
AC012313.10	ENSG00000279611	1.387546597	0.002301208	up-regulated gene
PLA2G4E	ENSG00000188089	1.387540836	0.031435652	up-regulated gene

AC018889.1	ENSG00000271146	1.387459208	0.145886728	up-regulated gene
SLC12A5	ENSG00000124140	1.386833877	0.000112524	up-regulated gene
C15orf54	ENSG00000175746	1.386543925	0.005000951	up-regulated gene
AC074044.1	ENSG00000272844	1.386156308	6.99845E-06	up-regulated gene
TNN	ENSG00000120332	1.386073463	0.00316658	up-regulated gene
KCNAB1-AS2	ENSG00000240596	1.385843046	0.27625452	up-regulated gene
LINC01163	ENSG00000280953	1.385756187	0.05609312	up-regulated gene
MIR378D2HG	ENSG00000264448	1.38561862	0.000762111	up-regulated gene
AC005021.1	ENSG00000273138	1.385567686	0.021152253	up-regulated gene
AL591416.1	ENSG00000218476	1.385548239	0.194903678	up-regulated gene
CALCB	ENSG00000175868	1.385329657	0.019226331	up-regulated gene
AL137024.1	ENSG00000244757	1.385077524	0.099910812	up-regulated gene
SP6	ENSG00000189120	1.384980762	0.000251751	up-regulated gene
AL354710.2	ENSG00000239705	1.384647705	0.017195222	up-regulated gene
AC134407.2	ENSG00000279573	1.384620313	0.000143872	up-regulated gene
UPK1B	ENSG00000114638	1.384613826	0.019748746	up-regulated gene
ZNF525	ENSG00000203326	1.384515552	5.00355E-16	up-regulated gene
OAS3	ENSG00000111331	1.384119866	1.18528E-07	up-regulated gene
AC069234.1	ENSG00000255946	1.383838051	0.040518314	up-regulated gene
PRDX1P1	ENSG00000214121	1.383779688	0.001708614	up-regulated gene
BPGM	ENSG00000172331	1.383750796	5.17338E-06	up-regulated gene
ANKRD49P2	ENSG00000225349	1.383582103	0.127623624	up-regulated gene
LINC00276	ENSG00000230448	1.383486929	0.066787436	up-regulated gene
AC024901.1	ENSG00000255910	1.383438347	0.103827593	up-regulated gene
AC104958.1	ENSG00000248318	1.383428402	0.111032319	up-regulated gene
H2BC19P	ENSG00000220323	1.383256261	9.12418E-05	up-regulated gene
AC019064.1	ENSG00000237320	1.383172715	0.238027941	up-regulated gene
SRCIN1	ENSG00000277363	1.382873579	0.000292808	up-regulated gene
AC104564.5	ENSG00000265625	1.382673579	8.20487E-05	up-regulated gene
AC023024.1	ENSG00000259172	1.382572541	7.13292E-06	up-regulated gene
AC069503.1	ENSG00000255856	1.38256546	0.05317445	up-regulated gene
AC006213.3	ENSG00000267191	1.382466967	2.44186E-05	up-regulated gene
HMGN1P24	ENSG00000226977	1.382254194	0.039957785	up-regulated gene
AC091059.2	ENSG00000278863	1.382241855	0.134481789	up-regulated gene
S100A5	ENSG00000196420	1.38215357	0.000866359	up-regulated gene
LINC00958	ENSG00000251381	1.381836766	0.013987164	up-regulated gene
AC090643.1	ENSG00000279134	1.381782851	0.07202707	up-regulated gene
PNPT1P1	ENSG00000229241	1.3817778	0.029251392	up-regulated gene
RUSC1-AS1	ENSG00000225855	1.381770733	7.60409E-10	up-regulated gene
CSN1S1	ENSG00000126545	1.381676338	0.280501483	up-regulated gene
AL118508.1	ENSG00000230387	1.381151962	0.014152601	up-regulated gene
AL353803.3	ENSG00000236146	1.38106518	0.009152	up-regulated gene
AC010385.2	ENSG00000271035	1.380848788	0.389161324	up-regulated gene
TRPV5	ENSG00000127412	1.380621092	0.005611142	up-regulated gene
RPL7P16	ENSG00000242899	1.380493266	0.01565304	up-regulated gene
AC010997.2	ENSG00000236842	1.380253565	0.031499427	up-regulated gene
TSGA10IP	ENSG00000175513	1.380196748	0.014185893	up-regulated gene
CLK3P2	ENSG00000226191	1.38019058	0.40095364	up-regulated gene
TNPO1P3	ENSG00000229586	1.379856621	0.190517305	up-regulated gene

PLA2G3	ENSG00000100078	1.379674056	0.078585553	up-regulated gene
UBE2S	ENSG00000108106	1.379579711	2.27269E-10	up-regulated gene
AL080317.1	ENSG00000271789	1.379054288	2.057E-06	up-regulated gene
RN7SKP292	ENSG00000202392	1.379023525	0.085965794	up-regulated gene
SDAD1P2	ENSG00000230750	1.378399796	0.079569426	up-regulated gene
MST1L	ENSG00000186715	1.378362187	0.000196735	up-regulated gene
SLC38A5	ENSG00000017483	1.378269456	0.002195632	up-regulated gene
NELL1	ENSG00000165973	1.378251062	0.040782853	up-regulated gene
AL023581.1	ENSG00000225752	1.378190347	0.221086157	up-regulated gene
LINC01435	ENSG00000229981	1.378100956	0.163068931	up-regulated gene
AC087379.2	ENSG00000254695	1.377899166	0.369313356	up-regulated gene
AC003001.1	ENSG00000235461	1.377838759	0.068929183	up-regulated gene
RPL31P30	ENSG00000230702	1.377833632	0.013984037	up-regulated gene
SP3P	ENSG00000225530	1.377739652	0.274709056	up-regulated gene
POLD1	ENSG00000062822	1.377375138	5.26047E-18	up-regulated gene
PPIAP30	ENSG00000206448	1.376951378	0.007681951	up-regulated gene
AC127024.3	ENSG00000265443	1.376726119	0.016556218	up-regulated gene
UGT8	ENSG00000174607	1.376659918	0.026226396	up-regulated gene
RN7SL736P	ENSG00000275803	1.376390222	0.187400194	up-regulated gene
LINC01411	ENSG00000249306	1.376349101	0.007931484	up-regulated gene
KNSTRN	ENSG00000128944	1.376189148	2.69131E-15	up-regulated gene
AL355483.2	ENSG00000232762	1.376107994	0.137503604	up-regulated gene
AL133343.1	ENSG00000228156	1.37583705	0.18987483	up-regulated gene
DHRS9	ENSG00000073737	1.375460891	0.01502183	up-regulated gene
AC004471.1	ENSG00000223461	1.375386222	5.3534E-06	up-regulated gene
SNORA11F	ENSG00000221164	1.375281432	8.44864E-07	up-regulated gene
AL606970.3	ENSG00000234647	1.375260222	0.066594878	up-regulated gene
AC073534.2	ENSG00000276030	1.3751745	0.000481941	up-regulated gene
AL031428.1	ENSG00000240553	1.375043447	0.069838819	up-regulated gene
LINC02827	ENSG00000236908	1.37462874	0.023346309	up-regulated gene
IL1A	ENSG00000115008	1.374497943	0.008269492	up-regulated gene
DAO	ENSG00000110887	1.374258894	0.05292593	up-regulated gene
AC061975.3	ENSG00000264029	1.374096988	0.097514302	up-regulated gene
AC120114.3	ENSG00000279789	1.373915489	8.17529E-07	up-regulated gene
AC010677.1	ENSG00000232383	1.373649474	0.023291295	up-regulated gene
PIGUP1	ENSG00000224437	1.373329023	0.013164365	up-regulated gene
AC023983.2	ENSG00000273321	1.373305594	0.013459973	up-regulated gene
AF213884.1	ENSG00000241981	1.373291006	0.109138468	up-regulated gene
AC004623.1	ENSG00000279488	1.373246847	3.98827E-06	up-regulated gene
TAS2R60	ENSG00000185899	1.373219714	0.078394184	up-regulated gene
HGH1	ENSG00000235173	1.373158925	5.1773E-20	up-regulated gene
AL359551.1	ENSG00000231877	1.372993832	0.188756686	up-regulated gene
LINC01395	ENSG00000281097	1.372950626	0.057928648	up-regulated gene
RNU6ATAC	ENSG00000221676	1.37288964	0.023512152	up-regulated gene
Z84485.1	ENSG00000246982	1.372879184	1.16576E-06	up-regulated gene
AP000894.4	ENSG00000273355	1.372859585	7.38141E-07	up-regulated gene
ARL4AP5	ENSG00000218996	1.372845432	0.001747056	up-regulated gene
AL022329.1	ENSG00000234884	1.37281869	0.048000334	up-regulated gene
AL049830.3	ENSG00000258525	1.372752992	0.007685086	up-regulated gene

AL390294.1	ENSG00000232638	1.372463815	0.013787916	up-regulated gene
DIRAS2	ENSG00000165023	1.372299836	0.049239846	up-regulated gene
RPL12P25	ENSG00000235330	1.372260299	7.17439E-05	up-regulated gene
AC025263.1	ENSG00000247131	1.372251964	0.010801593	up-regulated gene
AC078899.3	ENSG00000268620	1.372051931	0.157173189	up-regulated gene
AC009407.1	ENSG00000261829	1.371961825	0.046675909	up-regulated gene
MSH5-SAPCD1	ENSG00000255152	1.371881004	8.04834E-08	up-regulated gene
L29074.1	ENSG00000227083	1.371323682	0.029591173	up-regulated gene
VN2R19P	ENSG00000235974	1.371309055	0.094316884	up-regulated gene
AC005532.1	ENSG00000230825	1.370925436	0.00222017	up-regulated gene
SLC52A2	ENSG00000185803	1.370032757	1.68704E-18	up-regulated gene
ZNF723	ENSG00000268696	1.370029383	0.219885603	up-regulated gene
FCGR1CP	ENSG00000265531	1.369805868	0.00473542	up-regulated gene
AC008957.2	ENSG00000274441	1.369779052	0.087212624	up-regulated gene
AKR1D1	ENSG00000122787	1.369370007	0.01771664	up-regulated gene
APOC1P1	ENSG00000214855	1.369065974	0.003405094	up-regulated gene
AL445222.1	ENSG00000200788	1.369027735	0.005554798	up-regulated gene
Metazoa_SRP	ENSG00000273950	1.368862199	0.002561013	up-regulated gene
AC007326.1	ENSG00000271275	1.36833433	0.308314207	up-regulated gene
AL035530.1	ENSG00000226032	1.368285657	0.05244563	up-regulated gene
PAQR6	ENSG00000160781	1.368202559	9.3457E-06	up-regulated gene
AL357552.1	ENSG00000226545	1.368048664	0.090595581	up-regulated gene
FHAD1	ENSG00000142621	1.36801416	0.000107171	up-regulated gene
AL121990.1	ENSG00000223635	1.367945936	0.012901037	up-regulated gene
AC004898.1	ENSG00000236018	1.367917313	0.008343531	up-regulated gene
AC114956.1	ENSG00000248240	1.36781661	0.000796254	up-regulated gene
KRTAP4-17P	ENSG00000251439	1.367810763	0.024961182	up-regulated gene
LINC00540	ENSG00000276476	1.367729847	0.034076776	up-regulated gene
AL355877.1	ENSG00000270733	1.367574238	0.002517727	up-regulated gene
RN7SKP71	ENSG00000201428	1.367287597	0.292557288	up-regulated gene
AC009275.1	ENSG00000273297	1.366870704	2.96165E-06	up-regulated gene
AL138831.3	ENSG00000279926	1.366277697	1.88709E-06	up-regulated gene
UNC5CL	ENSG00000124602	1.366240165	6.79243E-05	up-regulated gene
AC079949.1	ENSG00000256001	1.366137537	0.043232436	up-regulated gene
RPS16P2	ENSG00000213729	1.36612128	0.0235656	up-regulated gene
THSD4-AS1	ENSG00000259964	1.366067109	0.056379016	up-regulated gene
AL021937.3	ENSG00000234626	1.36581396	0.28427775	up-regulated gene
LINC01014	ENSG00000223941	1.36562809	0.218055765	up-regulated gene
ETF1P1	ENSG00000232757	1.365592529	0.02978807	up-regulated gene
AC119403.1	ENSG00000253392	1.36538202	7.58744E-05	up-regulated gene
IL22RA2	ENSG00000164485	1.365355551	0.017778034	up-regulated gene
AC008592.3	ENSG00000251409	1.364973853	0.016622171	up-regulated gene
LINC00649	ENSG00000237945	1.364797953	7.57563E-07	up-regulated gene
AC024267.6	ENSG00000266642	1.364633349	0.004735052	up-regulated gene
LINC01913	ENSG00000214691	1.364412515	0.265095513	up-regulated gene
AL050320.1	ENSG00000225956	1.364328368	0.021881238	up-regulated gene
AL118511.1	ENSG00000223393	1.364305219	4.6182E-05	up-regulated gene
PNLIPRP1	ENSG00000187021	1.364166348	0.108981575	up-regulated gene
DCAF4L1	ENSG00000182308	1.364095555	1.62165E-05	up-regulated gene

PDIA4	ENSG00000155660	1.364072435	2.30249E-19	up-regulated gene
AL122034.1	ENSG00000232598	1.363951088	0.140733435	up-regulated gene
LPCAT1	ENSG00000153395	1.363541712	2.77766E-07	up-regulated gene
AC108860.1	ENSG00000241003	1.363443864	0.003067941	up-regulated gene
JPT1	ENSG00000189159	1.363394733	2.45772E-13	up-regulated gene
GATA3-AS1	ENSG00000197308	1.363132803	0.009226763	up-regulated gene
CEACAM22P	ENSG00000230666	1.362749723	0.007229229	up-regulated gene
AC114730.2	ENSG00000234793	1.362713687	0.006546096	up-regulated gene
LINC01989	ENSG00000261156	1.362663155	0.162367828	up-regulated gene
RNU1-138P	ENSG00000206820	1.362522185	0.160233767	up-regulated gene
TVP23CP1	ENSG00000223584	1.361557712	0.10022838	up-regulated gene
BMPR1B	ENSG00000138696	1.361370079	0.013463285	up-regulated gene
LINC02067	ENSG00000240567	1.361141112	0.007278163	up-regulated gene
LINC02512	ENSG00000251061	1.361045276	0.262677285	up-regulated gene
SNX18P1Y	ENSG00000274162	1.360982934	0.14622127	up-regulated gene
AC087627.1	ENSG00000253983	1.360427512	0.032368448	up-regulated gene
RNU6-652P	ENSG00000202358	1.359988759	0.035127889	up-regulated gene
ADD2	ENSG00000075340	1.359987063	0.012059461	up-regulated gene
LINC01611	ENSG00000231776	1.359678219	0.164414052	up-regulated gene
SNORD72	ENSG00000212296	1.359601066	0.000930845	up-regulated gene
MARCKSL1	ENSG00000175130	1.35954704	4.63279E-09	up-regulated gene
ARHGAP8	ENSG00000241484	1.35946919	1.11919E-06	up-regulated gene
AC109322.1	ENSG00000255224	1.359161426	6.92021E-11	up-regulated gene
AC145423.2	ENSG00000274427	1.359125684	1.1697E-05	up-regulated gene
AC006305.1	ENSG00000206129	1.359054486	0.03042131	up-regulated gene
WNT8B	ENSG00000075290	1.358993051	0.011740532	up-regulated gene
HTR1DP1	ENSG00000275811	1.358987744	0.059831396	up-regulated gene
MIR4664	ENSG00000265660	1.358766995	0.000225554	up-regulated gene
RCOR2	ENSG00000167771	1.358613444	0.000125571	up-regulated gene
ANKLE1	ENSG00000160117	1.358434019	2.95432E-05	up-regulated gene
AL354714.4	ENSG00000233691	1.358351154	0.09818246	up-regulated gene
AL360093.1	ENSG00000223842	1.358314203	0.008386918	up-regulated gene
NAT8L	ENSG00000185818	1.35827149	0.010518238	up-regulated gene
AP001628.1	ENSG00000225218	1.358095963	0.000112702	up-regulated gene
Z82190.1	ENSG00000227813	1.357966829	0.079513814	up-regulated gene
RN7SL192P	ENSG00000276757	1.357672381	0.002726175	up-regulated gene
PTGES2-AS1	ENSG00000232850	1.357477614	6.32912E-05	up-regulated gene
ADAM12	ENSG00000148848	1.357154288	0.00044536	up-regulated gene
KLHL17	ENSG00000187961	1.357120083	7.65674E-11	up-regulated gene
AC008738.4	ENSG00000267714	1.356924146	0.183533225	up-regulated gene
ZBTB12BP	ENSG00000180610	1.356910529	0.000504455	up-regulated gene
AOX2P	ENSG00000243478	1.356834885	0.149153586	up-regulated gene
DLX6-AS1	ENSG00000231764	1.356828381	0.005455643	up-regulated gene
GORAB-AS1	ENSG00000231407	1.356823764	0.000186779	up-regulated gene
SNORD123	ENSG00000239112	1.35637303	0.002525575	up-regulated gene
LINC02323	ENSG00000259230	1.355732237	0.003280049	up-regulated gene
EFNA4	ENSG00000243364	1.354307545	1.68025E-13	up-regulated gene
Y_RNA	ENSG00000222224	1.354192129	0.124879631	up-regulated gene
CYCSP49	ENSG00000224240	1.354079914	0.520624272	up-regulated gene

AC084809.2	ENSG00000236377	1.35397001	0.000615666	up-regulated gene
IFNL4	ENSG00000272395	1.353876946	0.107740051	up-regulated gene
DCAF13P1	ENSG00000242562	1.353796636	0.003652396	up-regulated gene
AC078899.4	ENSG00000269274	1.353722147	0.055554936	up-regulated gene
CR786580.1	ENSG00000225411	1.35353264	3.07469E-05	up-regulated gene
AL360182.2	ENSG00000228417	1.353140063	0.049734874	up-regulated gene
GPR6	ENSG00000146360	1.352982022	0.271130627	up-regulated gene
AC124944.2	ENSG00000260261	1.352680567	4.20662E-08	up-regulated gene
ZNF66	ENSG00000160229	1.352250411	0.000736545	up-regulated gene
SH3GL1P1	ENSG00000266777	1.3520707	3.59617E-07	up-regulated gene
MRPS18AP1	ENSG00000229759	1.351902447	0.001060099	up-regulated gene
PSMC1P2	ENSG00000213781	1.351812392	0.062000168	up-regulated gene
C2orf72	ENSG00000204128	1.351798792	0.011923976	up-regulated gene
LINC02652	ENSG00000237128	1.35176619	0.087773011	up-regulated gene
TEX48	ENSG00000230601	1.351207209	0.053956131	up-regulated gene
AC108704.1	ENSG00000274695	1.351173232	0.001783923	up-regulated gene
RPL12P1	ENSG00000204194	1.351139432	0.007895822	up-regulated gene
AC096536.2	ENSG00000242396	1.351104318	0.000152099	up-regulated gene
AL731563.2	ENSG00000237768	1.350694642	0.107046677	up-regulated gene
CATSPER4	ENSG00000188782	1.350374763	0.007562648	up-regulated gene
RNU6-856P	ENSG00000252768	1.350366863	0.011517517	up-regulated gene
LINC01139	ENSG00000215808	1.350334532	0.078876361	up-regulated gene
RNU6-1157P	ENSG00000207185	1.350176446	0.011909078	up-regulated gene
ASH1L-IT1	ENSG00000227773	1.350059991	0.057093378	up-regulated gene
PPIAP3	ENSG00000235044	1.350003908	2.14088E-05	up-regulated gene
AC017067.1	ENSG00000224549	1.349353744	0.074560455	up-regulated gene
PRKY	ENSG00000099725	1.349261039	0.030372457	up-regulated gene
AL592435.1	ENSG00000237756	1.349041072	0.024836275	up-regulated gene
PHEX	ENSG00000102174	1.348990682	0.000572559	up-regulated gene
GSTM2	ENSG00000213366	1.348915719	0.010134593	up-regulated gene
TRIM54	ENSG00000138100	1.348655566	0.012177233	up-regulated gene
AC010745.4	ENSG00000232444	1.348378741	0.225761163	up-regulated gene
RAB17	ENSG00000124839	1.348113165	2.68779E-05	up-regulated gene
AC106794.2	ENSG00000251112	1.347898746	0.330262946	up-regulated gene
MBL2	ENSG00000165471	1.347227775	0.27761959	up-regulated gene
SLC34A3	ENSG00000198569	1.346742001	0.001084193	up-regulated gene
LINC01361	ENSG00000236268	1.346675469	0.009808036	up-regulated gene
AC026474.1	ENSG00000265113	1.346666695	0.077237767	up-regulated gene
ATP11AUN	ENSG00000197595	1.346381903	0.076037917	up-regulated gene
LINC02570	ENSG00000237923	1.346314246	0.137534703	up-regulated gene
TRIM72	ENSG00000177238	1.346268719	0.001621061	up-regulated gene
MIR148A	ENSG00000199085	1.346046804	0.019069437	up-regulated gene
AC005291.2	ENSG00000273388	1.345831112	0.028423834	up-regulated gene
ESPN	ENSG00000187017	1.345561004	0.001137012	up-regulated gene
KDELR3	ENSG00000100196	1.345546595	2.09188E-06	up-regulated gene
MKI67P1	ENSG00000270499	1.345492654	0.023056149	up-regulated gene
SNORA80D	ENSG00000207217	1.345403256	0.014422636	up-regulated gene
AGMAT	ENSG00000116771	1.345318038	6.95178E-08	up-regulated gene
CHRNA1	ENSG00000170175	1.345261308	1.62922E-08	up-regulated gene

CAPN12	ENSG00000182472	1.344918129	7.12634E-06	up-regulated gene
AC009522.1	ENSG00000258216	1.344872135	0.013236737	up-regulated gene
KRT1	ENSG00000167768	1.344563024	0.088057511	up-regulated gene
SNORD12B	ENSG00000222365	1.344512336	0.000133975	up-regulated gene
KRT18P23	ENSG00000215333	1.344251502	0.008353472	up-regulated gene
AL096865.1	ENSG00000271857	1.343581467	4.50271E-05	up-regulated gene
LINC02068	ENSG00000223387	1.343296628	0.00729464	up-regulated gene
AC112907.2	ENSG00000231982	1.343134032	0.001503876	up-regulated gene
VTI1BP2	ENSG00000213434	1.34305155	0.020506303	up-regulated gene
AC008870.4	ENSG00000261723	1.343027451	0.000701517	up-regulated gene
HTN3	ENSG00000205649	1.342823541	0.515486583	up-regulated gene
AC008883.2	ENSG00000251054	1.342680224	0.04441493	up-regulated gene
RNU6-1223P	ENSG00000252933	1.342629525	0.003852272	up-regulated gene
PFN1P11	ENSG00000213061	1.342507189	0.007066478	up-regulated gene
PANX2	ENSG00000073150	1.342468942	0.000527617	up-regulated gene
AL139123.1	ENSG00000277218	1.342414848	6.29057E-05	up-regulated gene
PNPLA5	ENSG00000100341	1.342388586	0.231539511	up-regulated gene
ARHGAP11A	ENSG00000198826	1.342286482	2.26278E-10	up-regulated gene
BCL2L12	ENSG00000126453	1.34223881	6.61888E-16	up-regulated gene
AL158063.1	ENSG00000276957	1.342140312	0.000157589	up-regulated gene
POC1A	ENSG00000164087	1.342069741	3.95886E-11	up-regulated gene
TMEM72	ENSG00000187783	1.342059787	0.086463228	up-regulated gene
RPL21P54	ENSG00000241829	1.341859379	0.05863619	up-regulated gene
LINC02082	ENSG00000242268	1.341783556	0.058906452	up-regulated gene
DISP2	ENSG00000140323	1.341711373	0.000496509	up-regulated gene
AC010973.2	ENSG00000244151	1.341550412	3.72544E-09	up-regulated gene
SPINK4	ENSG00000122711	1.340873556	0.060087959	up-regulated gene
PSAT1	ENSG00000135069	1.340862183	2.77139E-07	up-regulated gene
LL22NC03-63E9.3	ENSG00000220891	1.340841896	0.166988316	up-regulated gene
ARPC1BP1	ENSG00000213081	1.340832968	0.12538084	up-regulated gene
AC005392.2	ENSG00000231412	1.340792239	0.025344906	up-regulated gene
AGAP14P	ENSG00000279058	1.340405878	0.00122885	up-regulated gene
AC087741.2	ENSG00000275479	1.340358057	8.22301E-07	up-regulated gene
Y_RNA	ENSG00000201451	1.339997054	0.015516272	up-regulated gene
AL583810.1	ENSG00000258593	1.339827603	9.0274E-05	up-regulated gene
ZNF687-AS1	ENSG00000232671	1.339714799	8.81775E-09	up-regulated gene
DNAAF6	ENSG00000080572	1.339638966	0.085394744	up-regulated gene
AC245100.1	ENSG00000224481	1.339563793	0.003003166	up-regulated gene
PRSS16	ENSG00000112812	1.339217246	5.86876E-07	up-regulated gene
AC009686.1	ENSG00000254205	1.339133394	0.050185333	up-regulated gene
ERBB2	ENSG00000141736	1.339005881	0.000112018	up-regulated gene
C2orf15	ENSG00000273045	1.338769982	1.382E-06	up-regulated gene
AL079303.1	ENSG00000258661	1.338625657	0.03336802	up-regulated gene
AQP10	ENSG00000143595	1.338467343	0.028533679	up-regulated gene
SHMT2	ENSG00000182199	1.337986645	8.53712E-18	up-regulated gene
LINC01393	ENSG00000225535	1.337937066	1.50294E-05	up-regulated gene
NPB	ENSG00000183979	1.337781054	0.005979073	up-regulated gene
MYB-AS1	ENSG00000236703	1.337756284	0.13908076	up-regulated gene
AL365181.2	ENSG00000272068	1.337680761	0.007122351	up-regulated gene

AL023775.1	ENSG00000235008	1.337599269	0.081404069	up-regulated gene
NCAPG2	ENSG00000146918	1.337460105	3.67173E-11	up-regulated gene
MIR6812	ENSG00000273555	1.337347771	0.010654361	up-regulated gene
AC093206.1	ENSG00000249426	1.337047055	0.066904808	up-regulated gene
SCARNA11	ENSG00000251898	1.337014784	0.271612277	up-regulated gene
TMC6	ENSG00000141524	1.336931875	3.68739E-12	up-regulated gene
CALHM1	ENSG00000185933	1.336743099	0.006797472	up-regulated gene
RN7SKP90	ENSG00000199883	1.336659217	0.187009544	up-regulated gene
AC073335.2	ENSG00000274135	1.336627002	0.042155306	up-regulated gene
MLLT10P1	ENSG00000238151	1.336439404	0.000575901	up-regulated gene
KCNQ3	ENSG00000184156	1.336402191	5.36789E-05	up-regulated gene
FDPSP8	ENSG00000224763	1.336384162	0.009446096	up-regulated gene
TRPC5	ENSG00000072315	1.336378166	0.142093885	up-regulated gene
AC108359.1	ENSG00000277876	1.335853575	0.147550266	up-regulated gene
AC010327.4	ENSG00000267577	1.335817325	0.069301722	up-regulated gene
PCDHA9	ENSG00000204961	1.335725246	0.069662047	up-regulated gene
AC010168.1	ENSG00000214772	1.335672154	0.000594418	up-regulated gene
ST3GAL1P1	ENSG00000250656	1.33566697	0.004976853	up-regulated gene
AC073288.2	ENSG00000242578	1.335521042	0.000898733	up-regulated gene
ASMTL-AS1	ENSG00000236017	1.335487613	1.23596E-05	up-regulated gene
CFAP45	ENSG00000213085	1.335460863	0.000195495	up-regulated gene
WFIKKN1	ENSG00000127578	1.334819836	0.000655495	up-regulated gene
AP002852.1	ENSG00000253633	1.334728166	0.02423584	up-regulated gene
HMGB3P6	ENSG00000213070	1.334709028	0.005680957	up-regulated gene
DMRTB1	ENSG00000143006	1.334688625	0.280196071	up-regulated gene
AC007159.1	ENSG00000261146	1.334565496	0.539518063	up-regulated gene
RPL13AP12	ENSG00000236047	1.334477979	6.53584E-05	up-regulated gene
RPL35AP4	ENSG00000225644	1.334458	0.027027298	up-regulated gene
IRX2	ENSG00000170561	1.333577845	0.073175891	up-regulated gene
AC022098.3	ENSG00000267783	1.333530943	0.00060821	up-regulated gene
RN7SKP237	ENSG00000201533	1.333482228	0.109037162	up-regulated gene
AC004832.5	ENSG00000273350	1.333357738	0.000540753	up-regulated gene
ATP5F1AP10	ENSG00000277297	1.333034672	0.194409569	up-regulated gene
AC090519.1	ENSG00000250130	1.333022616	0.0005159	up-regulated gene
AL592164.1	ENSG00000261435	1.332942045	0.055264166	up-regulated gene
RPL23AP87	ENSG00000232938	1.33283394	0.003985315	up-regulated gene
SLC6A12	ENSG00000111181	1.332770194	0.000606087	up-regulated gene
VN1R84P	ENSG00000268117	1.332692443	0.031917747	up-regulated gene
RNU6-323P	ENSG00000253739	1.332628521	0.020431862	up-regulated gene
AC008543.3	ENSG00000266922	1.332394689	0.006406158	up-regulated gene
WDR34	ENSG00000119333	1.332113418	1.08984E-09	up-regulated gene
MMP7	ENSG00000137673	1.332053867	0.019017773	up-regulated gene
RPS6P8	ENSG00000224221	1.331949183	0.073339245	up-regulated gene
AC095050.1	ENSG00000248551	1.331938145	0.183240715	up-regulated gene
AC092839.1	ENSG00000228108	1.331767974	0.148692694	up-regulated gene
AL138966.2	ENSG00000277368	1.331692885	2.76364E-05	up-regulated gene
AL163051.1	ENSG00000260806	1.331653814	1.12213E-08	up-regulated gene
AL353898.3	ENSG00000280378	1.331416929	1.03306E-08	up-regulated gene
AC096720.1	ENSG00000270257	1.331373093	0.004818676	up-regulated gene

AC005326.1	ENSG00000226744	1.330932058	0.057075307	up-regulated gene
MIR3192	ENSG00000265137	1.330771534	0.033423635	up-regulated gene
RNASE2	ENSG00000169385	1.330749826	0.002701125	up-regulated gene
LINC00840	ENSG00000226808	1.330589181	0.020715204	up-regulated gene
AL022400.1	ENSG00000237317	1.330096821	0.122834997	up-regulated gene
GEN1	ENSG00000178295	1.330080513	1.19443E-16	up-regulated gene
PKP1	ENSG00000081277	1.330066762	0.009212398	up-regulated gene
IGKV2-18	ENSG00000254157	1.32982375	0.180862635	up-regulated gene
SNAP91	ENSG00000065609	1.329548461	0.02751246	up-regulated gene
ZNF682	ENSG00000197124	1.329267146	2.99147E-05	up-regulated gene
AC073910.1	ENSG00000226774	1.329165952	0.067212609	up-regulated gene
MTND4P12	ENSG00000247627	1.329157539	0.009199279	up-regulated gene
RN7SKP173	ENSG00000199691	1.329137818	0.005236253	up-regulated gene
C10orf55	ENSG00000222047	1.329099221	9.8976E-05	up-regulated gene
AL161452.1	ENSG00000226706	1.328892402	9.00601E-07	up-regulated gene
AL133517.1	ENSG00000232450	1.32888428	2.28633E-09	up-regulated gene
AP001625.3	ENSG00000239930	1.328851296	0.030974736	up-regulated gene
LINC02028	ENSG00000230102	1.328526178	0.009570509	up-regulated gene
AC009303.2	ENSG00000235066	1.328505878	0.015856308	up-regulated gene
AC016027.1	ENSG00000225335	1.328458865	8.75651E-11	up-regulated gene
PLEKHS1	ENSG00000148735	1.328343163	0.021080716	up-regulated gene
FBN3	ENSG00000142449	1.328262463	0.061421641	up-regulated gene
ITPKA	ENSG00000137825	1.328155218	0.00034173	up-regulated gene
AC012358.1	ENSG00000203327	1.328012329	0.001559259	up-regulated gene
PPP1R14B	ENSG00000173457	1.327654053	5.67058E-14	up-regulated gene
AL356585.3	ENSG00000279231	1.327391089	0.298583582	up-regulated gene
AC020661.1	ENSG00000251161	1.327368762	2.25397E-07	up-regulated gene
PCDHB1	ENSG00000171815	1.327368719	0.044985625	up-regulated gene
AC127024.2	ENSG00000263603	1.326882581	0.001630856	up-regulated gene
AL163193.1	ENSG00000237088	1.326793564	0.189404064	up-regulated gene
CPA5	ENSG00000158525	1.326436342	0.00114513	up-regulated gene
LINC01010	ENSG00000236700	1.326178331	0.028865966	up-regulated gene
PLXNA1	ENSG00000114554	1.325973436	1.84603E-12	up-regulated gene
MARVELD3	ENSG00000140832	1.325853979	2.13037E-07	up-regulated gene
HTR3C	ENSG00000178084	1.325716795	0.090371815	up-regulated gene
AC027763.1	ENSG00000262503	1.325561848	0.005653483	up-regulated gene
FAAP24	ENSG00000131944	1.325373803	1.732E-17	up-regulated gene
LINC01876	ENSG00000226383	1.32536202	0.004020186	up-regulated gene
MED8-AS1	ENSG00000229431	1.324810199	1.4347E-07	up-regulated gene
DOCK11P1	ENSG00000259000	1.324497733	0.131204002	up-regulated gene
AL132640.2	ENSG00000259648	1.324481504	0.004057238	up-regulated gene
AL023802.1	ENSG00000226954	1.324194797	0.039820881	up-regulated gene
PRKAR1AP1	ENSG00000233401	1.324110892	0.059057563	up-regulated gene
AC026785.3	ENSG00000249199	1.32406249	0.124600463	up-regulated gene
AC087741.1	ENSG00000262580	1.324033295	2.68805E-06	up-regulated gene
NDUFB1P1	ENSG00000231884	1.32394971	0.012965404	up-regulated gene
AC090220.1	ENSG00000266965	1.323818077	0.080855964	up-regulated gene
AC023158.2	ENSG00000273853	1.323765531	0.075017801	up-regulated gene
RS1	ENSG00000102104	1.323452781	0.003546187	up-regulated gene

LGALS8-AS1	ENSG00000223776	1.323418827	1.21478E-05	up-regulated gene
AC140847.2	ENSG00000255652	1.3234071	0.036695479	up-regulated gene
LIG1	ENSG00000105486	1.32329833	4.4695E-20	up-regulated gene
CTXND1	ENSG00000259417	1.322949939	0.037968475	up-regulated gene
AC006486.2	ENSG00000279539	1.32290315	5.19678E-10	up-regulated gene
C2orf83	ENSG00000042304	1.322773495	0.069749955	up-regulated gene
PPP1R1C	ENSG00000150722	1.322503389	0.00019996	up-regulated gene
AL590822.2	ENSG00000271806	1.322274684	0.00104234	up-regulated gene
JPH3	ENSG00000154118	1.321987599	0.01572897	up-regulated gene
AC091138.1	ENSG00000263958	1.321958726	0.283431571	up-regulated gene
KRT8P23	ENSG00000259565	1.321940539	0.005516158	up-regulated gene
GMPSP1	ENSG00000250471	1.321827034	3.95746E-07	up-regulated gene
MAGEA2	ENSG00000268606	1.321774575	0.159620593	up-regulated gene
AC009948.1	ENSG00000270277	1.321711712	9.1149E-05	up-regulated gene
TBC1D3K	ENSG00000273513	1.321576271	0.138151784	up-regulated gene
AC004817.4	ENSG00000269945	1.321567382	0.102754625	up-regulated gene
OR7E128P	ENSG00000228915	1.321494085	9.14066E-05	up-regulated gene
DUX4L50	ENSG00000232815	1.321428856	5.23351E-07	up-regulated gene
CLEC6A	ENSG00000205846	1.321352063	0.035086843	up-regulated gene
NCAPGP1	ENSG00000250290	1.321180985	0.068735016	up-regulated gene
LCE2B	ENSG00000159455	1.321173648	0.53918761	up-regulated gene
RPL12P20	ENSG00000239627	1.321002877	0.181160654	up-regulated gene
YJEFN3	ENSG00000250067	1.320967752	3.51629E-05	up-regulated gene
HES6	ENSG00000144485	1.320862278	1.44057E-05	up-regulated gene
RAB42	ENSG00000188060	1.320850078	1.79508E-05	up-regulated gene
NUP62CL	ENSG00000198088	1.320827556	1.26539E-05	up-regulated gene
HSPA8P14	ENSG00000257539	1.320655759	0.017644413	up-regulated gene
PRAMEF1	ENSG00000116721	1.320652508	0.416058994	up-regulated gene
TMEM89	ENSG00000183396	1.320439795	0.005616242	up-regulated gene
AL359237.1	ENSG00000258807	1.320339446	0.153414272	up-regulated gene
ALPI	ENSG00000163295	1.320148704	0.343615927	up-regulated gene
AL391840.1	ENSG00000231533	1.3200403	0.148425753	up-regulated gene
AL662890.1	ENSG00000225173	1.319958077	0.006921872	up-regulated gene
HMGB1P3	ENSG00000250011	1.319923967	0.001517861	up-regulated gene
RARRES2P6	ENSG00000261010	1.319604537	0.401756455	up-regulated gene
AL021707.5	ENSG00000244491	1.319436412	0.011410496	up-regulated gene
LINCR-0001	ENSG00000253641	1.319355218	0.002691267	up-regulated gene
RNU6-307P	ENSG00000252552	1.31920011	0.025170856	up-regulated gene
AC096887.2	ENSG00000280417	1.319171378	3.77338E-07	up-regulated gene
BCAT1	ENSG00000060982	1.318913001	0.001325005	up-regulated gene
AC087783.1	ENSG00000271369	1.318881051	0.051684623	up-regulated gene
MSL3P1	ENSG00000224287	1.318657119	4.61297E-07	up-regulated gene
AL161756.2	ENSG00000271511	1.318504016	0.027974494	up-regulated gene
RADX	ENSG00000147231	1.31845165	0.000547786	up-regulated gene
AL359502.1	ENSG00000226134	1.318368905	0.331382524	up-regulated gene
AC099521.3	ENSG00000279693	1.318150278	0.023416179	up-regulated gene
GABRA5	ENSG00000186297	1.317949815	0.149575303	up-regulated gene
AOC1	ENSG00000002726	1.317917187	0.016106178	up-regulated gene
ZNF93	ENSG00000184635	1.317823003	4.6373E-07	up-regulated gene

SGO2	ENSG00000163535	1.317816542	1.04349E-11	up-regulated gene
AC007656.2	ENSG00000258131	1.317598032	0.17069659	up-regulated gene
SAR1AP1	ENSG00000228364	1.317595803	0.125128338	up-regulated gene
CD5L	ENSG00000073754	1.317551955	0.078501657	up-regulated gene
RSPH10B2	ENSG00000169402	1.317505739	0.009382445	up-regulated gene
LINC02617	ENSG00000256288	1.317504548	0.129164291	up-regulated gene
EIF2S2P2	ENSG00000229704	1.317356559	0.032991748	up-regulated gene
AC074212.1	ENSG00000259605	1.317288923	1.32038E-06	up-regulated gene
SMLR1	ENSG00000256162	1.317269283	0.098982236	up-regulated gene
AC025183.1	ENSG00000249966	1.317256691	0.322206268	up-regulated gene
SNORA72	ENSG00000201944	1.317224848	0.03315084	up-regulated gene
LINC02115	ENSG00000248757	1.317214507	0.036948635	up-regulated gene
UMODL1	ENSG00000177398	1.31709281	0.013214769	up-regulated gene
LINC00951	ENSG00000204092	1.31698778	0.17386227	up-regulated gene
MIEN1	ENSG00000141741	1.316815419	3.14214E-07	up-regulated gene
STARD6	ENSG00000174448	1.316752951	0.00939528	up-regulated gene
AL590632.1	ENSG00000223450	1.316612846	0.163782497	up-regulated gene
AC116407.2	ENSG00000277511	1.316479282	8.32178E-06	up-regulated gene
LTK	ENSG00000062524	1.316210459	0.005328086	up-regulated gene
RNU6-97P	ENSG00000200257	1.315940049	0.03270506	up-regulated gene
SMIM22	ENSG00000267795	1.31573953	0.001472483	up-regulated gene
AP000254.1	ENSG00000238390	1.315498871	0.002422186	up-regulated gene
GPRIN2	ENSG00000204175	1.315318206	0.001585858	up-regulated gene
TCEA1P4	ENSG00000236184	1.3150748	4.69596E-06	up-regulated gene
GABRG3	ENSG00000182256	1.31505827	0.065447283	up-regulated gene
NANOGP5	ENSG00000231697	1.314931328	0.103359617	up-regulated gene
AL020997.1	ENSG00000231344	1.314706464	1.67651E-05	up-regulated gene
AL512604.3	ENSG00000260100	1.314651035	0.028443688	up-regulated gene
AC006273.1	ENSG00000272473	1.314543833	0.004886612	up-regulated gene
AC024451.4	ENSG00000269924	1.314519957	7.93946E-05	up-regulated gene
AL365318.1	ENSG00000237993	1.31417736	0.045543962	up-regulated gene
AC060765.1	ENSG00000253503	1.313873004	0.438153515	up-regulated gene
AL096803.1	ENSG00000228238	1.313773417	0.022204338	up-regulated gene
AC245060.6	ENSG00000279278	1.313752799	5.84867E-06	up-regulated gene
RNU6-925P	ENSG00000207359	1.313714797	0.000230851	up-regulated gene
SPHK1	ENSG00000176170	1.313705138	0.000803762	up-regulated gene
AL157834.2	ENSG00000234026	1.313523928	0.035288594	up-regulated gene
AC131212.3	ENSG00000280287	1.313361563	1.76181E-07	up-regulated gene
C9orf116	ENSG00000160345	1.313308754	1.19809E-07	up-regulated gene
AL354694.1	ENSG00000273056	1.312984736	0.026323634	up-regulated gene
AC090912.3	ENSG00000273232	1.312979062	0.010498417	up-regulated gene
AC004832.4	ENSG00000272689	1.312968796	0.003825216	up-regulated gene
GREM1	ENSG00000166923	1.312806864	0.011167698	up-regulated gene
ALKBH6	ENSG00000239382	1.312620344	1.63882E-13	up-regulated gene
SAA2-SAA4	ENSG00000255071	1.312546514	0.093566262	up-regulated gene
AC024560.1	ENSG00000236833	1.312371951	0.006435582	up-regulated gene
AC090953.1	ENSG00000270739	1.312304041	0.033274001	up-regulated gene
AC004080.1	ENSG00000253308	1.311917055	0.083622645	up-regulated gene
AL008727.1	ENSG00000260316	1.311793734	0.000839108	up-regulated gene

SSX6P	ENSG00000171483	1.311707555	0.257953039	up-regulated gene
CFAP43	ENSG00000197748	1.311641093	6.61535E-06	up-regulated gene
PCNA	ENSG00000132646	1.311402567	2.3708E-13	up-regulated gene
ELOCP24	ENSG00000228410	1.311388181	0.13356391	up-regulated gene
KRT18P39	ENSG00000224791	1.311263551	0.004054388	up-regulated gene
AL590714.1	ENSG00000224985	1.311207519	0.009635458	up-regulated gene
TFAP2A	ENSG00000137203	1.31118325	5.58166E-05	up-regulated gene
ANO7	ENSG00000146205	1.311163978	7.21579E-08	up-regulated gene
AP001425.1	ENSG00000270835	1.311065149	0.229767414	up-regulated gene
AC106799.2	ENSG00000248973	1.311011239	0.17883277	up-regulated gene
ABCG5	ENSG00000138075	1.310797983	0.003214879	up-regulated gene
AC100797.1	ENSG00000254207	1.31076228	0.017217446	up-regulated gene
AC010333.1	ENSG00000259876	1.310745912	0.087438728	up-regulated gene
TAS1R3	ENSG00000169962	1.310728863	0.000565887	up-regulated gene
DLG1-AS1	ENSG00000227375	1.310665627	2.04321E-05	up-regulated gene
SERINC2	ENSG00000168528	1.310559634	1.56933E-05	up-regulated gene
C2CD6	ENSG00000155754	1.310553814	0.003524529	up-regulated gene
ADAMTS7	ENSG00000136378	1.310341859	1.64539E-06	up-regulated gene
PDIA3P2	ENSG00000224677	1.310112612	0.012125249	up-regulated gene
AC004009.3	ENSG00000279655	1.309787022	0.178654853	up-regulated gene
Y_RNA	ENSG00000199755	1.309617511	0.065368227	up-regulated gene
DNAH2	ENSG00000183914	1.309299523	0.004149676	up-regulated gene
AC106820.3	ENSG00000260095	1.308878483	3.72769E-06	up-regulated gene
NSUN5P2	ENSG00000106133	1.308874956	6.02247E-08	up-regulated gene
CXCL6	ENSG00000124875	1.308592758	0.019772089	up-regulated gene
AL442224.1	ENSG00000231990	1.308550252	0.381162942	up-regulated gene
AC019206.1	ENSG00000275381	1.308471118	0.054331616	up-regulated gene
AC007998.4	ENSG00000275512	1.308364424	0.024299327	up-regulated gene
AC006116.9	ENSG00000267606	1.308334659	0.064231413	up-regulated gene
AC144521.1	ENSG00000272477	1.30769557	0.19922483	up-regulated gene
IGLV5-45	ENSG00000211650	1.307653848	0.037612633	up-regulated gene
ZHX1-C8orf76	ENSG00000259305	1.307473648	4.27819E-12	up-regulated gene
AC126773.6	ENSG00000275383	1.307456123	0.000959718	up-regulated gene
SPDYA	ENSG00000163806	1.307402148	4.32507E-08	up-regulated gene
AC015912.3	ENSG00000274213	1.307394844	2.17019E-05	up-regulated gene
CPXCR1	ENSG00000147183	1.307076828	0.230840601	up-regulated gene
AC097467.3	ENSG00000250910	1.306909259	0.051379024	up-regulated gene
CR383656.4	ENSG00000257635	1.306823713	0.326876833	up-regulated gene
AC021321.1	ENSG00000271966	1.306665745	2.14158E-06	up-regulated gene
BX255925.2	ENSG00000270259	1.306623749	0.066176754	up-regulated gene
KRT8P30	ENSG00000224928	1.306266174	0.011278742	up-regulated gene
TMPRSS6	ENSG00000187045	1.30618289	0.000306524	up-regulated gene
RN7SL146P	ENSG00000240106	1.306054942	0.018961845	up-regulated gene
AC021028.1	ENSG00000226659	1.305916901	0.001120347	up-regulated gene
AC122688.3	ENSG00000279233	1.305826546	3.29546E-08	up-regulated gene
RBPJL	ENSG00000124232	1.305588933	0.007999957	up-regulated gene
MIR1270	ENSG00000238517	1.305562646	0.044076316	up-regulated gene
LINC01049	ENSG00000234384	1.305317221	0.384065155	up-regulated gene
KRT86	ENSG00000170442	1.305266997	0.000795879	up-regulated gene

GOLGA8A	ENSG00000175265	1.305207755	4.78704E-05	up-regulated gene
AC015795.1	ENSG00000250751	1.30508273	0.018724742	up-regulated gene
AC009065.2	ENSG00000259933	1.305011814	0.00038516	up-regulated gene
AC090246.1	ENSG00000277310	1.304720222	5.60486E-05	up-regulated gene
PHBP19	ENSG00000257246	1.304584087	0.003281394	up-regulated gene
AC109460.1	ENSG00000260367	1.304494058	5.56626E-09	up-regulated gene
DPEP2NB	ENSG00000263201	1.304479262	0.066656236	up-regulated gene
AC006017.1	ENSG00000229591	1.304062104	0.000194541	up-regulated gene
CUBNP2	ENSG00000234993	1.303995576	0.074007252	up-regulated gene
AC007881.3	ENSG00000272735	1.303785896	0.000109101	up-regulated gene
AC093788.1	ENSG00000273449	1.303762714	1.98854E-07	up-regulated gene
SNORA80E	ENSG00000207475	1.303750687	0.029602766	up-regulated gene
CDRT15P1	ENSG00000141028	1.303406535	4.2291E-05	up-regulated gene
IGKV6D-21	ENSG00000225523	1.30259775	0.118650425	up-regulated gene
EIF5AP3	ENSG00000267346	1.302590785	0.004945387	up-regulated gene
KMO	ENSG00000117009	1.302300971	0.000375056	up-regulated gene
NME1	ENSG00000239672	1.30223157	7.41509E-15	up-regulated gene
AC119800.1	ENSG00000237852	1.302207823	0.002248084	up-regulated gene
AC090907.2	ENSG00000259755	1.302186986	0.018662009	up-regulated gene
AL121594.1	ENSG00000258790	1.301755839	1.89716E-06	up-regulated gene
ATP8A2P3	ENSG00000233963	1.301739978	0.070026221	up-regulated gene
AC034199.1	ENSG00000250274	1.300963243	0.008381342	up-regulated gene
AC010913.1	ENSG00000272702	1.300868903	4.31642E-05	up-regulated gene
AL353588.1	ENSG00000272442	1.300660427	3.76387E-05	up-regulated gene
P2RY6	ENSG00000171631	1.300646844	0.000914453	up-regulated gene
TMEM190	ENSG00000160472	1.30038068	0.000950125	up-regulated gene
CCDC73	ENSG00000186714	1.300297039	1.19654E-05	up-regulated gene
CFAP57	ENSG00000243710	1.300291457	0.000279449	up-regulated gene
AC104248.1	ENSG00000253796	1.300091155	0.029481721	up-regulated gene
PROCA1	ENSG00000167525	1.299949081	2.28056E-06	up-regulated gene
LINC01311	ENSG00000260924	1.299837626	9.51932E-08	up-regulated gene
CFHR1	ENSG00000244414	1.299828122	0.075693028	up-regulated gene
MIR1915HG	ENSG00000204682	1.299371888	0.000667782	up-regulated gene
AC244453.2	ENSG00000233029	1.29919155	0.009057823	up-regulated gene
AC011468.4	ENSG00000270248	1.299112487	0.002809018	up-regulated gene
AC092474.2	ENSG00000237661	1.298960461	0.29476974	up-regulated gene
BASP1P1	ENSG00000230535	1.298902651	0.338715493	up-regulated gene
FOXE1	ENSG00000178919	1.298896411	0.052380577	up-regulated gene
AL121906.1	ENSG00000271803	1.298847764	0.016553597	up-regulated gene
CHST13	ENSG00000180767	1.298810453	0.001308054	up-regulated gene
KLHDC7A	ENSG00000179023	1.298776128	0.018485436	up-regulated gene
C10orf90	ENSG00000154493	1.298535418	0.044598394	up-regulated gene
RNVU1-2A	ENSG00000278099	1.298459595	0.332188649	up-regulated gene
CKS1BP2	ENSG00000225976	1.297852669	0.07444058	up-regulated gene
AC073575.1	ENSG00000258323	1.297642285	0.047427632	up-regulated gene
AC098828.1	ENSG00000234378	1.297580209	0.031161819	up-regulated gene
DEPDC7	ENSG00000121690	1.297546038	0.001498997	up-regulated gene
AC007204.1	ENSG00000273791	1.297520132	0.028690168	up-regulated gene
GALR3	ENSG00000128310	1.296932016	0.017749919	up-regulated gene

MIR554	ENSG00000207606	1.296895998	0.042021665	up-regulated gene
AC012569.1	ENSG00000267293	1.296524889	0.005236425	up-regulated gene
OR5H5P	ENSG00000249321	1.296172897	0.65563397	up-regulated gene
AL138899.1	ENSG00000176320	1.296169991	0.044419481	up-regulated gene
TPRG1LP1	ENSG00000269097	1.295925292	0.015669875	up-regulated gene
REN	ENSG00000143839	1.295671819	0.022152879	up-regulated gene
AC011487.1	ENSG00000213777	1.295502491	0.008423226	up-regulated gene
OR7E104P	ENSG00000219926	1.295406805	0.127282425	up-regulated gene
KCTD14	ENSG00000151364	1.295335479	0.000918323	up-regulated gene
AC061999.1	ENSG00000280331	1.295334683	0.004130611	up-regulated gene
UGT1A3	ENSG00000243135	1.295314577	0.022576423	up-regulated gene
LINC01970	ENSG00000265692	1.294939869	7.00843E-05	up-regulated gene
CEP131	ENSG00000141577	1.294886213	3.59422E-12	up-regulated gene
EEF1GP4	ENSG00000240138	1.294836289	0.023834978	up-regulated gene
PVT1	ENSG00000249859	1.294745275	1.93232E-06	up-regulated gene
TPT1P13	ENSG00000213498	1.294620297	0.103324545	up-regulated gene
AC022973.2	ENSG00000243402	1.29413783	0.065027995	up-regulated gene
SCG5	ENSG00000166922	1.29363053	0.000350528	up-regulated gene
BMP8A	ENSG00000183682	1.293555848	1.43838E-06	up-regulated gene
BNIP3P22	ENSG00000268174	1.293193307	0.085092352	up-regulated gene
SNORA9B	ENSG00000206897	1.293125474	0.000865537	up-regulated gene
IGKV2-40	ENSG00000273962	1.293059103	0.35495092	up-regulated gene
ZNF107	ENSG00000196247	1.293006996	1.67812E-08	up-regulated gene
VN1R42P	ENSG00000223476	1.29298478	0.000417453	up-regulated gene
FTCD	ENSG00000160282	1.292843204	0.010489845	up-regulated gene
ACTR1AP1	ENSG00000233370	1.292668767	0.061547419	up-regulated gene
HPCAL4	ENSG00000116983	1.292061663	0.011842873	up-regulated gene
KRT8P3	ENSG00000254285	1.292026755	0.000311053	up-regulated gene
AC120042.1	ENSG00000240915	1.291936042	0.106360502	up-regulated gene
FAM201A	ENSG00000204860	1.29172531	0.00812007	up-regulated gene
OR8A2P	ENSG00000255510	1.29169174	0.310009673	up-regulated gene
MND1	ENSG00000121211	1.291610754	9.08758E-09	up-regulated gene
DAPK1-IT1	ENSG00000236709	1.291484266	0.067848919	up-regulated gene
ANAPC1P4	ENSG00000234231	1.291448766	0.00010905	up-regulated gene
AC117430.1	ENSG00000240895	1.291366209	0.104727004	up-regulated gene
LINC00665	ENSG00000232677	1.291353769	1.41018E-06	up-regulated gene
HCN2	ENSG00000099822	1.291353637	0.000108515	up-regulated gene
TMCO2	ENSG00000188800	1.291074444	0.034778866	up-regulated gene
AC009977.1	ENSG00000267793	1.290798437	0.060524889	up-regulated gene
PTPRK-AS1	ENSG00000227945	1.290555689	0.007189784	up-regulated gene
CSRP3-AS1	ENSG00000255308	1.290541018	0.007372312	up-regulated gene
IGHV3-30	ENSG00000270550	1.290503888	0.032629982	up-regulated gene
GUSBP6	ENSG00000224458	1.290362601	0.208735219	up-regulated gene
KRT18P3	ENSG00000215553	1.290223813	0.017697973	up-regulated gene
OTX2-AS1	ENSG00000248550	1.290139546	0.108749794	up-regulated gene
ISYNA1	ENSG00000105655	1.290070487	3.1008E-05	up-regulated gene
PEX5L	ENSG00000114757	1.289948661	0.012977823	up-regulated gene
AP001347.2	ENSG00000277572	1.289676034	0.014493688	up-regulated gene
AC021744.1	ENSG00000253574	1.289660258	0.181322503	up-regulated gene

XXYLT1-AS1	ENSG00000233303	1.28949927	0.038662319	up-regulated gene
AL021939.1	ENSG00000213117	1.289375498	0.024163684	up-regulated gene
AC132872.2	ENSG00000264548	1.289249627	4.41405E-05	up-regulated gene
RPL21P12	ENSG00000259535	1.289246711	0.055998787	up-regulated gene
AC245884.10	ENSG00000269873	1.289070766	0.009175488	up-regulated gene
BBOX1	ENSG00000129151	1.288983606	0.00992686	up-regulated gene
AC006557.1	ENSG00000267150	1.288980057	0.000495096	up-regulated gene
AC068025.1	ENSG00000264808	1.288894208	0.00048488	up-regulated gene
LINC02259	ENSG00000259783	1.28884688	0.016930158	up-regulated gene
AC127024.8	ENSG00000280069	1.288787434	8.24674E-05	up-regulated gene
AC079336.7	ENSG00000280245	1.288066134	0.019494276	up-regulated gene
PGBD5	ENSG00000177614	1.287948706	0.00271554	up-regulated gene
AL592295.2	ENSG00000277882	1.287325676	0.063564763	up-regulated gene
RN7SL333P	ENSG00000239494	1.287077889	0.004574986	up-regulated gene
AC011461.1	ENSG00000267197	1.286919116	0.00013166	up-regulated gene
RNU4-78P	ENSG00000222872	1.286911703	0.015079102	up-regulated gene
AC010525.1	ENSG00000267117	1.286728872	0.000672212	up-regulated gene
USP8P1	ENSG00000214892	1.286712997	0.042388315	up-regulated gene
CLEC18B	ENSG00000140839	1.286543599	0.000900265	up-regulated gene
TDRKH	ENSG00000182134	1.286403687	5.43676E-08	up-regulated gene
DDX11	ENSG00000013573	1.286201197	1.96089E-14	up-regulated gene
AC022809.1	ENSG00000265984	1.286176454	0.215692716	up-regulated gene
IZUMO1	ENSG00000182264	1.286060501	0.00078346	up-regulated gene
AC026740.1	ENSG00000271781	1.286039761	1.47009E-05	up-regulated gene
SPATA32	ENSG00000184361	1.286014523	3.36289E-05	up-regulated gene
AL359510.2	ENSG00000280157	1.285605206	1.37329E-05	up-regulated gene
MXD3	ENSG00000213347	1.285557119	2.51285E-09	up-regulated gene
MFSD13A	ENSG00000138111	1.285415272	4.48464E-12	up-regulated gene
ZPLD2P	ENSG00000236155	1.285264508	0.001749382	up-regulated gene
MYLPF	ENSG00000180209	1.285176305	0.000591887	up-regulated gene
AC025178.1	ENSG00000250764	1.284944922	1.31051E-06	up-regulated gene
ZP3	ENSG00000188372	1.284822663	1.04049E-06	up-regulated gene
CCDC14	ENSG00000175455	1.284750042	7.69689E-11	up-regulated gene
LINC02302	ENSG00000258998	1.284509169	0.046263935	up-regulated gene
AC060764.1	ENSG00000270980	1.284465597	0.111675635	up-regulated gene
SP7	ENSG00000170374	1.284363767	0.074303435	up-regulated gene
TBC1D3G	ENSG00000260287	1.284336367	0.051215616	up-regulated gene
AL358232.1	ENSG00000224245	1.284296639	0.039999249	up-regulated gene
LINC01780	ENSG00000232650	1.284223467	0.117685344	up-regulated gene
LINC01748	ENSG00000226476	1.284113778	9.97386E-05	up-regulated gene
AC008885.1	ENSG00000248105	1.28386597	0.189254301	up-regulated gene
AC048380.1	ENSG00000267762	1.283728062	0.205829894	up-regulated gene
RNA5SP245	ENSG00000201109	1.283698824	0.069454776	up-regulated gene
AC087762.2	ENSG00000279588	1.283684236	0.151830005	up-regulated gene
MYO19	ENSG00000278259	1.283590296	5.26483E-17	up-regulated gene
NAP1L1P2	ENSG00000229163	1.283457416	0.080773941	up-regulated gene
RNF139-AS1	ENSG00000245149	1.283311748	2.53478E-11	up-regulated gene
AC020558.1	ENSG00000264666	1.283279179	0.002392734	up-regulated gene
GOLGA7B	ENSG00000155265	1.28313935	0.00312312	up-regulated gene

FARP1-AS1	ENSG00000231194	1.282942643	0.004632198	up-regulated gene
IGHV3-23	ENSG00000211949	1.28291508	0.02696106	up-regulated gene
AC026801.1	ENSG00000250140	1.282562857	0.099309985	up-regulated gene
CAPZA3	ENSG00000177938	1.282457555	0.270318723	up-regulated gene
AC103691.1	ENSG00000274383	1.282073281	0.000130368	up-regulated gene
AC113418.1	ENSG00000261036	1.281755399	0.278532468	up-regulated gene
MTG1	ENSG00000148824	1.281669652	4.75688E-13	up-regulated gene
PFN1P8	ENSG00000244371	1.281414375	0.076960195	up-regulated gene
PXYLP1	ENSG00000155893	1.28123757	3.45711E-08	up-regulated gene
AL035461.2	ENSG00000275632	1.281164798	3.85347E-09	up-regulated gene
OAS2	ENSG00000111335	1.281119806	7.18194E-05	up-regulated gene
LNCOC1	ENSG00000253741	1.281113709	1.23126E-06	up-regulated gene
SUPT4H1P1	ENSG00000226247	1.280982853	0.02573764	up-regulated gene
AC091114.1	ENSG00000253111	1.280964705	0.0685493	up-regulated gene
AC009237.14	ENSG00000272913	1.280948183	3.91637E-06	up-regulated gene
AL133153.2	ENSG00000258798	1.280797843	0.003147168	up-regulated gene
DCBLD1	ENSG00000164465	1.280539898	3.1461E-08	up-regulated gene
PRR18	ENSG00000176381	1.280534361	0.077758393	up-regulated gene
DBF4	ENSG00000006634	1.280236788	1.00816E-16	up-regulated gene
AL390778.2	ENSG00000233936	1.280033023	0.474658055	up-regulated gene
MIR215	ENSG00000207590	1.279947786	0.153817244	up-regulated gene
SPDYE6	ENSG00000260097	1.279617134	1.86191E-06	up-regulated gene
LINC02346	ENSG00000206187	1.279460907	0.283644972	up-regulated gene
AL118556.1	ENSG00000201573	1.279113187	0.04403358	up-regulated gene
AL133370.2	ENSG00000274666	1.278716278	0.108695517	up-regulated gene
AC126696.1	ENSG00000260177	1.278653572	0.097465917	up-regulated gene
LINC00885	ENSG00000224652	1.278573158	0.000909598	up-regulated gene
AC068389.1	ENSG00000228862	1.278284578	0.069099	up-regulated gene
MIR4312	ENSG00000265195	1.278089357	0.121690853	up-regulated gene
MIR548AR	ENSG00000264539	1.277865839	0.019657228	up-regulated gene
MT-TI	ENSG00000210100	1.277829349	0.102937293	up-regulated gene
AC008443.6	ENSG00000274525	1.277821898	0.021543084	up-regulated gene
SNORA19	ENSG00000207468	1.277764114	0.111767747	up-regulated gene
AC008750.4	ENSG00000268520	1.277287219	0.001514355	up-regulated gene
CALML3	ENSG00000178363	1.276926502	0.07561088	up-regulated gene
AC090772.1	ENSG00000264924	1.27673581	0.00521709	up-regulated gene
SLC37A4	ENSG00000137700	1.276349395	9.67346E-16	up-regulated gene
BMS1P16	ENSG00000258684	1.276294539	0.034788365	up-regulated gene
MIS18A	ENSG00000159055	1.276212066	7.79861E-16	up-regulated gene
ILF2P1	ENSG00000244226	1.276165764	0.026946896	up-regulated gene
SLC17A9	ENSG00000101194	1.27615422	0.000360816	up-regulated gene
AC116914.2	ENSG00000262692	1.276100477	3.25153E-07	up-regulated gene
AC005828.2	ENSG00000263501	1.275945045	0.096320619	up-regulated gene
RNU7-84P	ENSG00000251892	1.275569691	0.268800046	up-regulated gene
GAPDHP27	ENSG00000239873	1.275140611	0.040075702	up-regulated gene
LINC02551	ENSG00000254842	1.274947443	0.01085491	up-regulated gene
AL390728.3	ENSG00000224014	1.274608537	0.003011487	up-regulated gene
MTFP1	ENSG00000242114	1.274584546	1.78399E-10	up-regulated gene
LINC00960	ENSG00000242516	1.274495271	0.000504275	up-regulated gene

DSPP	ENSG00000152591	1.274494343	0.06802584	up-regulated gene
AC122688.4	ENSG00000280117	1.27432057	0.071802946	up-regulated gene
DMP1	ENSG00000152592	1.274249839	0.011307236	up-regulated gene
ATP13A4	ENSG00000127249	1.274165883	0.010326074	up-regulated gene
ATP2A1-AS1	ENSG00000260442	1.273911149	8.77976E-06	up-regulated gene
RNY4P25	ENSG00000238711	1.273815419	0.129773391	up-regulated gene
AC097478.1	ENSG00000274238	1.27374588	0.223862723	up-regulated gene
NUCB1-AS1	ENSG00000235191	1.273661055	0.024290083	up-regulated gene
SOX2	ENSG00000181449	1.273219364	0.035011993	up-regulated gene
JARID2-AS1	ENSG00000235488	1.273142191	0.000134348	up-regulated gene
CHRM5	ENSG00000184984	1.273025447	0.001476769	up-regulated gene
CTSC	ENSG00000109861	1.272882776	1.73796E-05	up-regulated gene
AC073842.2	ENSG00000242798	1.272879824	5.0996E-06	up-regulated gene
STK4-AS1	ENSG00000227477	1.272701588	8.74117E-07	up-regulated gene
RNU6-548P	ENSG00000252892	1.272310878	0.03485244	up-regulated gene
CALHM6	ENSG00000188820	1.272290777	0.001206659	up-regulated gene
AC027801.5	ENSG00000262837	1.272151772	0.06011225	up-regulated gene
GP6	ENSG00000088053	1.271939355	0.002872364	up-regulated gene
AC079145.1	ENSG00000227210	1.271845428	0.000151266	up-regulated gene
LINC02234	ENSG00000248202	1.271821786	0.033337771	up-regulated gene
VTA1P1	ENSG00000224999	1.271446971	0.076859086	up-regulated gene
S100A15A	ENSG00000224784	1.271054627	0.365090207	up-regulated gene
PLS3-AS1	ENSG00000271826	1.271017381	0.000492294	up-regulated gene
KDM4A-AS1	ENSG00000236200	1.270970392	5.61428E-09	up-regulated gene
RPL23AP83	ENSG00000234135	1.270797595	0.030635484	up-regulated gene
AC068228.1	ENSG00000253258	1.270713952	0.008756512	up-regulated gene
SNORD53B	ENSG00000265706	1.27055805	0.052219765	up-regulated gene
AC066616.1	ENSG00000240934	1.270443057	0.139526808	up-regulated gene
ERV3-1	ENSG00000213462	1.270346954	0.000615072	up-regulated gene
AC069499.1	ENSG00000241634	1.27022469	8.69872E-05	up-regulated gene
AC006077.2	ENSG00000279799	1.269985961	1.71724E-05	up-regulated gene
IGHV1OR16-3	ENSG00000260048	1.26997709	0.204150391	up-regulated gene
AC009268.2	ENSG00000278472	1.269921035	0.000284684	up-regulated gene
AL390962.1	ENSG00000226566	1.269895848	0.419192659	up-regulated gene
SLC9A4	ENSG00000180251	1.269728466	0.04107127	up-regulated gene
AC239803.1	ENSG00000273059	1.269524494	0.022583044	up-regulated gene
TRIM64FP	ENSG00000226185	1.269508187	0.100685141	up-regulated gene
AC108738.1	ENSG00000271052	1.269327661	0.220046367	up-regulated gene
INSM2	ENSG00000168348	1.269111995	0.052593806	up-regulated gene
AC073534.1	ENSG00000268442	1.268989647	0.001040814	up-regulated gene
DDX39B-AS1	ENSG00000234006	1.268866606	0.000757341	up-regulated gene
ETV7	ENSG00000010030	1.268735971	2.05094E-05	up-regulated gene
H3-4	ENSG00000168148	1.268691208	0.040312747	up-regulated gene
MYLK-AS2	ENSG00000250174	1.268683808	0.142496491	up-regulated gene
AL157884.2	ENSG00000231193	1.268570706	0.035933818	up-regulated gene
MROH6	ENSG00000204839	1.268265615	3.0244E-05	up-regulated gene
LINC02663	ENSG00000228636	1.268247056	0.177605895	up-regulated gene
CAPN10-DT	ENSG00000260942	1.268237363	2.42008E-10	up-regulated gene
AC124893.1	ENSG00000241882	1.267847397	0.235597965	up-regulated gene

AC025569.1	ENSG00000258168	1.267587185	0.003543538	up-regulated gene
AC109347.2	ENSG00000272567	1.267421224	2.9678E-07	up-regulated gene
RNU1-72P	ENSG00000199846	1.267159592	0.096577326	up-regulated gene
AL583832.1	ENSG00000271580	1.266979579	0.004892873	up-regulated gene
RNU6-141P	ENSG00000222431	1.266870102	0.290899148	up-regulated gene
RNVU1-22	ENSG00000199879	1.266650548	0.083070214	up-regulated gene
FOXI1	ENSG00000168269	1.266519358	0.146307589	up-regulated gene
TEX37	ENSG00000172073	1.26621181	0.185200649	up-regulated gene
ARPC3P5	ENSG00000214027	1.266137284	0.009741043	up-regulated gene
OPA1-AS1	ENSG00000224855	1.265747796	0.01874656	up-regulated gene
ZNF681	ENSG00000196172	1.265708233	1.83575E-05	up-regulated gene
ENTPD2	ENSG00000054179	1.265655011	0.001695962	up-regulated gene
TAL2	ENSG00000186051	1.265449411	0.014161039	up-regulated gene
RABGAP1L-IT1	ENSG00000223525	1.265368124	0.045496756	up-regulated gene
LUCAT1	ENSG00000248323	1.265257046	0.023334334	up-regulated gene
DDX50P1	ENSG00000229816	1.265091051	1.82776E-05	up-regulated gene
AL591167.1	ENSG00000272371	1.265056941	0.045631273	up-regulated gene
AP000346.1	ENSG00000211683	1.264948959	0.004714915	up-regulated gene
RPS2P44	ENSG00000243609	1.264788526	0.055081547	up-regulated gene
RNU6-831P	ENSG00000207278	1.264614389	0.409115839	up-regulated gene
RN7SL487P	ENSG00000243871	1.26456209	0.046669622	up-regulated gene
AC004832.6	ENSG00000273428	1.264207032	0.002499661	up-regulated gene
AC243830.2	ENSG00000275720	1.264001341	0.001531513	up-regulated gene
ANKEF1	ENSG00000132623	1.263628957	1.18601E-10	up-regulated gene
AC009220.2	ENSG00000239254	1.263532049	0.014665974	up-regulated gene
AC099667.1	ENSG00000279144	1.26342464	0.001125451	up-regulated gene
AC024560.3	ENSG00000273308	1.263282124	3.57249E-06	up-regulated gene
AL049646.2	ENSG00000237259	1.263219696	0.016213567	up-regulated gene
RDM1P5	ENSG00000263818	1.263208139	6.82835E-05	up-regulated gene
SLC25A14P1	ENSG00000213608	1.263163563	0.072737798	up-regulated gene
SRP14P3	ENSG00000235183	1.262987813	0.162836663	up-regulated gene
AC134407.3	ENSG00000279880	1.262977103	0.000392183	up-regulated gene
AC005726.1	ENSG00000258472	1.262571499	8.04909E-07	up-regulated gene
PPM1E	ENSG00000175175	1.262410775	0.00051616	up-regulated gene
SNORC	ENSG00000182600	1.262201266	1.56164E-05	up-regulated gene
RNU6-45P	ENSG00000207200	1.261894553	0.018823537	up-regulated gene
AC010531.4	ENSG00000261697	1.261849815	0.093431182	up-regulated gene
DUX4L27	ENSG00000258794	1.261841388	0.016585592	up-regulated gene
AC087742.1	ENSG00000274363	1.261830392	0.000208885	up-regulated gene
AC009054.1	ENSG00000259999	1.261621224	0.123788932	up-regulated gene
TERB2	ENSG00000167014	1.261421398	0.087944914	up-regulated gene
LINGO1	ENSG00000169783	1.26140546	9.75374E-05	up-regulated gene
AL512288.1	ENSG00000227050	1.261371071	0.038300422	up-regulated gene
PHBP4	ENSG00000230251	1.261363625	0.095884854	up-regulated gene
YEATS2-AS1	ENSG00000233885	1.261349914	3.26169E-08	up-regulated gene
AL589765.1	ENSG00000227045	1.260918821	0.034816107	up-regulated gene
AP000350.4	ENSG00000251357	1.26089126	0.045947735	up-regulated gene
AL500527.1	ENSG00000224302	1.260834368	0.046053087	up-regulated gene
PFN1P6	ENSG00000227212	1.260830918	0.002192697	up-regulated gene

AC074117.2	ENSG00000235267	1.260664458	0.002046519	up-regulated gene
AC093840.1	ENSG00000225356	1.260498085	0.022578949	up-regulated gene
AL139400.1	ENSG00000203397	1.260365356	0.062226084	up-regulated gene
AC110801.1	ENSG00000279181	1.25995207	0.176030822	up-regulated gene
HSD17B7P2	ENSG00000099251	1.259612252	1.18663E-06	up-regulated gene
TRAV28	ENSG00000258835	1.259567164	0.391250023	up-regulated gene
AC083841.2	ENSG00000253715	1.259293931	0.057548246	up-regulated gene
FLVCR1	ENSG00000162769	1.259275826	2.5031E-08	up-regulated gene
HDAC11-AS1	ENSG00000244502	1.25926927	0.002674052	up-regulated gene
RANBP17	ENSG00000204764	1.259241665	0.000222362	up-regulated gene
VCAN-AS1	ENSG00000249835	1.259203112	0.086606739	up-regulated gene
SLC22A9	ENSG00000149742	1.258810104	0.056628545	up-regulated gene
AC011447.5	ENSG00000274612	1.258706575	0.238656952	up-regulated gene
LINC01698	ENSG00000231648	1.258680704	0.064875129	up-regulated gene
AC064862.6	ENSG00000243981	1.258425844	0.384530609	up-regulated gene
CDC42-IT1	ENSG00000230068	1.258392852	0.006553307	up-regulated gene
APOOP2	ENSG00000240902	1.258283443	0.121054661	up-regulated gene
IGBP1-AS2	ENSG00000220925	1.257962198	0.022737149	up-regulated gene
AL353705.4	ENSG00000234819	1.257903696	0.138063966	up-regulated gene
ZNF92	ENSG00000146757	1.257778711	7.05347E-12	up-regulated gene
CNDP1	ENSG00000150656	1.25776473	0.004880178	up-regulated gene
SZT2-AS1	ENSG00000229372	1.257714096	0.004487564	up-regulated gene
LYG2	ENSG00000185674	1.257538908	0.002135434	up-regulated gene
AC010542.5	ENSG00000277978	1.257515894	8.36225E-08	up-regulated gene
CARM1P1	ENSG00000227835	1.257456747	0.200672361	up-regulated gene
AC089998.1	ENSG00000257431	1.257315395	0.087940254	up-regulated gene
AC009704.2	ENSG00000276934	1.257014988	0.000162736	up-regulated gene
GACAT2	ENSG00000265962	1.256768155	0.022753367	up-regulated gene
METTL27	ENSG00000165171	1.25659558	0.000178904	up-regulated gene
SLC16A13	ENSG00000174327	1.256034506	2.02983E-09	up-regulated gene
RSKR	ENSG00000167524	1.25598441	2.04348E-06	up-regulated gene
AC093702.1	ENSG00000231156	1.255907079	0.061033225	up-regulated gene
AL691482.3	ENSG00000249007	1.255860035	0.006608638	up-regulated gene
NRSN1	ENSG00000152954	1.255639537	0.189250323	up-regulated gene
AL513348.1	ENSG00000231714	1.255428258	0.407775347	up-regulated gene
AC024267.4	ENSG00000265845	1.255359932	0.010754777	up-regulated gene
Y_RNA	ENSG00000201208	1.255169185	0.010799387	up-regulated gene
ZFP69B	ENSG00000187801	1.255115492	4.10253E-09	up-regulated gene
AL161630.1	ENSG00000233569	1.255093911	0.167652637	up-regulated gene
RPS27P16	ENSG00000225907	1.254466019	0.038458291	up-regulated gene
RN7SL610P	ENSG00000243847	1.254415235	0.030624994	up-regulated gene
AC104009.1	ENSG00000254768	1.254360327	0.317492138	up-regulated gene
LINC02490	ENSG00000259237	1.254232294	0.440092572	up-regulated gene
HLA-G	ENSG00000204632	1.25413061	0.000394589	up-regulated gene
AL160274.1	ENSG00000279083	1.254046634	0.255834325	up-regulated gene
AC010487.1	ENSG00000269646	1.253798223	0.002549056	up-regulated gene
RPL37P1	ENSG00000227401	1.253737631	0.004064799	up-regulated gene
HPN-AS1	ENSG00000227392	1.253435615	0.093025046	up-regulated gene
AC084757.4	ENSG00000273925	1.253423954	0.015298171	up-regulated gene

FBXW10	ENSG00000171931	1.253389334	0.011918535	up-regulated gene
RPLP1P5	ENSG00000214657	1.253138936	0.026745047	up-regulated gene
KRT8P50	ENSG00000260799	1.253104535	0.024096339	up-regulated gene
AP000577.2	ENSG00000280269	1.253094131	0.001329629	up-regulated gene
MIR378G	ENSG00000263526	1.252975682	0.130487902	up-regulated gene
TOB2P1	ENSG00000176933	1.252921175	2.60267E-05	up-regulated gene
WDR90	ENSG00000161996	1.252768202	1.10227E-11	up-regulated gene
ACRV1	ENSG00000134940	1.252433616	1.23696E-05	up-regulated gene
RPL22P12	ENSG00000216867	1.25235916	0.006807318	up-regulated gene
LINC01342	ENSG00000223823	1.25221086	0.037760645	up-regulated gene
TIGD3	ENSG00000173825	1.252128188	8.71829E-05	up-regulated gene
AL033528.2	ENSG00000223624	1.252091271	0.037059423	up-regulated gene
RGSL1	ENSG00000121446	1.252078687	0.077237896	up-regulated gene
AC025154.2	ENSG00000257588	1.252020302	0.149516726	up-regulated gene
ASIC3	ENSG00000213199	1.252005175	0.000174288	up-regulated gene
AL162388.1	ENSG00000230276	1.251917778	0.280881093	up-regulated gene
ZGLP1	ENSG00000220201	1.25176387	2.75543E-06	up-regulated gene
AL356488.2	ENSG00000270066	1.251283093	0.102037885	up-regulated gene
STRA6	ENSG00000137868	1.251212015	0.001106963	up-regulated gene
SEMA4F	ENSG00000135622	1.250798219	2.00736E-10	up-regulated gene
XAGE3	ENSG00000171402	1.250750843	0.354195203	up-regulated gene
AL136296.1	ENSG00000200385	1.250703359	0.01783484	up-regulated gene
AL359538.1	ENSG00000243008	1.250637336	0.058550887	up-regulated gene
RNA5SP28	ENSG00000200711	1.250605723	0.066366696	up-regulated gene
RNU6-945P	ENSG00000206674	1.250498172	0.017518708	up-regulated gene
CLK2P1	ENSG00000232553	1.250092966	0.017600374	up-regulated gene
AC002563.1	ENSG00000255692	1.250071613	0.051638801	up-regulated gene
MDGA2	ENSG00000139915	1.250008057	0.149497349	up-regulated gene
TBXT	ENSG00000164458	1.249131961	0.243339805	up-regulated gene
UGT1A13P	ENSG00000234143	1.249014766	0.085683738	up-regulated gene
AC009690.2	ENSG00000261460	1.248879957	1.68643E-07	up-regulated gene
AC023300.2	ENSG00000277749	1.248873554	0.185305617	up-regulated gene
AQP9	ENSG00000103569	1.248864507	0.005318663	up-regulated gene
AGXT2	ENSG00000113492	1.248794584	0.121207483	up-regulated gene
RPS29P22	ENSG00000240873	1.248524858	0.173981815	up-regulated gene
AC012417.1	ENSG00000263698	1.248312225	0.05546039	up-regulated gene
LINC02515	ENSG00000250620	1.248299122	0.246525128	up-regulated gene
ANKRD26P4	ENSG00000229427	1.248294259	0.055884308	up-regulated gene
AL390728.2	ENSG00000215795	1.248201344	0.001433198	up-regulated gene
AC090340.1	ENSG00000277837	1.248019773	0.141062418	up-regulated gene
AC025430.1	ENSG00000259563	1.247995526	0.020013875	up-regulated gene
PANTR1	ENSG00000233639	1.247906903	0.388717393	up-regulated gene
SNORD1B	ENSG00000199961	1.247878498	0.005753612	up-regulated gene
AC007731.2	ENSG00000235578	1.247796951	0.298883416	up-regulated gene
HIGD1AP12	ENSG00000236012	1.247783946	0.282057968	up-regulated gene
AC007225.1	ENSG00000260782	1.247450688	0.005831179	up-regulated gene
LINC02709	ENSG00000245522	1.247364721	2.25419E-06	up-regulated gene
FIGNL2	ENSG00000261308	1.247163895	0.016818307	up-regulated gene
AC126175.2	ENSG00000277738	1.247151087	0.307225116	up-regulated gene

NFE4	ENSG00000230257	1.246908599	0.069583168	up-regulated gene
AL121917.1	ENSG00000225806	1.246475418	5.13612E-06	up-regulated gene
SLX1A-SULT1A3	ENSG00000213599	1.2464444	0.000188763	up-regulated gene
RPL32P33	ENSG00000243514	1.246399647	0.013695145	up-regulated gene
AC092427.1	ENSG00000224593	1.246356407	0.168172841	up-regulated gene
AL035460.1	ENSG00000241690	1.246249325	0.234522945	up-regulated gene
CMTM1	ENSG00000089505	1.246054039	5.52334E-08	up-regulated gene
MIR3942	ENSG00000265102	1.246000951	0.001866809	up-regulated gene
BRI3BP	ENSG00000184992	1.245969128	8.84289E-13	up-regulated gene
AC097376.2	ENSG00000248863	1.245918591	0.011163907	up-regulated gene
SDF2L1	ENSG00000128228	1.245572228	4.86518E-09	up-regulated gene
SLC4A9	ENSG00000113073	1.245558523	0.003389804	up-regulated gene
LINC00479	ENSG00000236384	1.245449181	0.006931888	up-regulated gene
NAT2	ENSG00000156006	1.245435356	0.024908481	up-regulated gene
AC009139.1	ENSG00000260922	1.245428715	0.156969447	up-regulated gene
HMGB3P32	ENSG00000260828	1.245364493	0.045945177	up-regulated gene
AL356752.1	ENSG00000277545	1.245307351	0.081012067	up-regulated gene
AL451054.1	ENSG00000227711	1.245151016	0.061887914	up-regulated gene
AC022973.4	ENSG00000254263	1.244697173	0.038934029	up-regulated gene
Z99129.1	ENSG00000275339	1.244387505	0.035488565	up-regulated gene
AC015712.6	ENSG00000272808	1.24437896	0.006726006	up-regulated gene
AC027228.1	ENSG00000259474	1.243988739	0.0967055	up-regulated gene
AC022098.2	ENSG00000267670	1.243880899	0.202887466	up-regulated gene
AC008069.1	ENSG00000224604	1.243861236	0.162571691	up-regulated gene
OTOAP1	ENSG00000257838	1.24378894	0.001517947	up-regulated gene
KRT18P52	ENSG00000237007	1.243649415	0.029885217	up-regulated gene
ANKRD26P1	ENSG00000261239	1.243617602	0.162509092	up-regulated gene
AC012354.1	ENSG00000225156	1.24358031	0.082861506	up-regulated gene
COX5BP3	ENSG00000235967	1.243569537	0.264245103	up-regulated gene
PDLIM1P4	ENSG00000249274	1.243555117	0.006830684	up-regulated gene
AC022148.1	ENSG00000180458	1.243504756	0.021167896	up-regulated gene
EFNA1	ENSG00000169242	1.243371248	1.21251E-06	up-regulated gene
AC110619.1	ENSG00000218416	1.243259434	0.015942525	up-regulated gene
C17orf78	ENSG00000278505	1.243110222	0.011207832	up-regulated gene
ST6GALNAC4P1	ENSG00000233469	1.243088924	3.15704E-05	up-regulated gene
NLRP10	ENSG00000182261	1.243028968	0.062753809	up-regulated gene
ZDHHC8P1	ENSG00000133519	1.242942076	0.021097413	up-regulated gene
Metazoa_SRP	ENSG00000278732	1.2426722	0.129245862	up-regulated gene
AC016573.1	ENSG00000253968	1.242551167	0.071307362	up-regulated gene
AC002558.3	ENSG00000262265	1.241964617	0.056607611	up-regulated gene
DSC2	ENSG00000134755	1.241778031	0.007320061	up-regulated gene
FAM157A	ENSG00000236438	1.241590642	0.016586483	up-regulated gene
KCNK12	ENSG00000184261	1.241541927	0.005192547	up-regulated gene
RNU6-944P	ENSG00000200893	1.241516764	0.101240012	up-regulated gene
PTPN2P1	ENSG00000228196	1.241510483	0.034773285	up-regulated gene
AC089999.2	ENSG00000277566	1.241309821	0.000702435	up-regulated gene
TAP1	ENSG00000168394	1.241130663	0.000136148	up-regulated gene
AL121652.1	ENSG00000273165	1.240924474	0.00922121	up-regulated gene
AC079336.4	ENSG00000266599	1.240865956	0.142759019	up-regulated gene

LRR69	ENSG00000214954	1.240834909	8.3729E-06	up-regulated gene
AC020910.1	ENSG00000252230	1.240774915	0.140713137	up-regulated gene
ADAM5	ENSG00000196115	1.240597641	0.303227977	up-regulated gene
AL353807.1	ENSG00000223503	1.240582422	0.029926547	up-regulated gene
AL096855.1	ENSG00000221083	1.240327386	0.032341744	up-regulated gene
C10orf95	ENSG00000120055	1.240309475	4.9863E-06	up-regulated gene
RN7SL850P	ENSG00000263955	1.24021178	0.031296665	up-regulated gene
AL590326.1	ENSG00000279140	1.240134687	0.000180047	up-regulated gene
PTGER4P2-CDK2AP2P2	ENSG00000275450	1.239888265	0.00054019	up-regulated gene
UBE2SP2	ENSG00000224126	1.239712493	0.000413997	up-regulated gene
ZNF32-AS1	ENSG00000226245	1.239347299	5.07751E-05	up-regulated gene
AC079834.1	ENSG00000272944	1.239344074	5.21322E-05	up-regulated gene
AC060809.1	ENSG00000259543	1.239274776	0.323488069	up-regulated gene
AC011773.3	ENSG00000258256	1.239198151	0.004541959	up-regulated gene
PANK2-AS1	ENSG00000229539	1.239187595	1.62881E-08	up-regulated gene
AC140725.1	ENSG00000259553	1.238995506	0.040961757	up-regulated gene
IGKV1-39	ENSG00000242371	1.238689807	0.097779443	up-regulated gene
AC093274.1	ENSG00000249359	1.238641292	0.070704933	up-regulated gene
CD177	ENSG00000204936	1.238587978	0.02127133	up-regulated gene
NEUROD2	ENSG00000171532	1.238577127	0.013997318	up-regulated gene
AC025186.1	ENSG00000205644	1.238099163	0.051871207	up-regulated gene
MRPL48P1	ENSG00000238076	1.237988695	0.106316647	up-regulated gene
FAM110A	ENSG00000125898	1.237623753	8.46633E-12	up-regulated gene
LINC01535	ENSG00000226686	1.237570349	0.00025601	up-regulated gene
C8G	ENSG00000176919	1.237425986	1.46808E-05	up-regulated gene
AC005000.2	ENSG00000270431	1.237159251	0.078727351	up-regulated gene
BNIP3P16	ENSG00000267641	1.237135681	0.006184746	up-regulated gene
CSPG5	ENSG00000114646	1.23670433	0.001135629	up-regulated gene
CNBD1	ENSG00000176571	1.236566647	0.168894192	up-regulated gene
CRYGS	ENSG00000213139	1.236450103	1.43209E-06	up-regulated gene
GTF2IP20	ENSG00000272645	1.236420464	1.34208E-07	up-regulated gene
AC126603.1	ENSG00000258628	1.236259727	0.082654182	up-regulated gene
AC105177.1	ENSG00000253672	1.236250664	0.570328631	up-regulated gene
SNORA80C	ENSG00000199787	1.236111971	0.085360676	up-regulated gene
SSX9P	ENSG00000204648	1.236100824	0.629535432	up-regulated gene
LINC02842	ENSG00000254119	1.235655227	0.176206282	up-regulated gene
MAPRE3-AS1	ENSG00000205500	1.235445685	0.008976648	up-regulated gene
SMPD5	ENSG00000204791	1.235423612	0.000397977	up-regulated gene
KRT8P9	ENSG00000259470	1.235332113	0.002537774	up-regulated gene
C16orf92	ENSG00000167194	1.235280109	0.190692122	up-regulated gene
PIP5KL1	ENSG00000167103	1.235154391	3.16137E-05	up-regulated gene
KIF3AP1	ENSG00000235836	1.235112832	0.091924736	up-regulated gene
ITCH-AS1	ENSG00000236388	1.235057476	0.180872353	up-regulated gene
AC004895.1	ENSG00000231704	1.23496867	0.003907571	up-regulated gene
KRTAP3-2	ENSG00000212900	1.234924908	0.191154338	up-regulated gene
AL133485.2	ENSG00000258843	1.234566612	0.259966887	up-regulated gene
KRT18P1	ENSG00000228666	1.234201839	0.009772426	up-regulated gene
AL592466.1	ENSG00000235356	1.234200935	0.528058451	up-regulated gene
AC004832.1	ENSG00000181123	1.234158445	0.109176718	up-regulated gene

MKRN4P	ENSG00000238222	1.233968686	0.121814463	up-regulated gene
IKBKGP1	ENSG00000275882	1.233923823	0.00858493	up-regulated gene
AC073439.1	ENSG00000279328	1.23359805	0.000391057	up-regulated gene
RPS27AP6	ENSG00000224800	1.233468262	0.021477607	up-regulated gene
AL356473.1	ENSG00000219736	1.233464648	0.251306831	up-regulated gene
RNA5SP123	ENSG00000200114	1.233370137	0.076008254	up-regulated gene
POLR3GP1	ENSG00000268295	1.233280002	0.053673268	up-regulated gene
LINC02863	ENSG00000238160	1.233257668	0.040409521	up-regulated gene
IQANK1	ENSG00000203499	1.232880426	1.62885E-05	up-regulated gene
AC067968.2	ENSG00000267144	1.232849866	0.061832276	up-regulated gene
Y_RNA	ENSG00000252612	1.232655802	0.038161031	up-regulated gene
ZNF890P	ENSG00000159904	1.232575591	0.015845095	up-regulated gene
AL049779.2	ENSG00000258759	1.232551756	0.020079105	up-regulated gene
SEPTIN7P9	ENSG00000120555	1.232376565	0.000478002	up-regulated gene
EFCAB8	ENSG00000215529	1.232350291	0.003930778	up-regulated gene
PSG8-AS1	ENSG00000225877	1.232344784	0.198730845	up-regulated gene
CTAGE12P	ENSG00000215441	1.231899091	0.045981087	up-regulated gene
AC109992.2	ENSG00000244327	1.231706576	0.00892861	up-regulated gene
SOCS5P2	ENSG00000224682	1.231439898	0.067481171	up-regulated gene
GAPDHP58	ENSG00000229570	1.231147193	0.029568691	up-regulated gene
ZNF692	ENSG00000171163	1.230530777	1.25788E-08	up-regulated gene
PLAC4	ENSG00000280109	1.230483924	0.014799608	up-regulated gene
BANF1P2	ENSG00000230306	1.229918564	0.02016308	up-regulated gene
H2BP2	ENSG00000234571	1.22960436	0.018471239	up-regulated gene
LEF1-AS1	ENSG00000232021	1.22960099	0.001142676	up-regulated gene
AC009087.1	ENSG00000260252	1.229531955	0.002021772	up-regulated gene
TEPP	ENSG00000159648	1.229339045	0.054420671	up-regulated gene
AC008686.1	ENSG00000267633	1.22933719	0.028791294	up-regulated gene
ZKSCAN2-DT	ENSG00000274925	1.229044554	2.62315E-07	up-regulated gene
Y_RNA	ENSG00000252915	1.229007206	0.001463592	up-regulated gene
AC020908.1	ENSG00000268289	1.228939966	0.033397388	up-regulated gene
HCG4P8	ENSG00000229142	1.228643044	0.105944389	up-regulated gene
AC010422.4	ENSG00000269560	1.22850471	0.001075972	up-regulated gene
SLC6A21P	ENSG00000269009	1.228449366	0.199850537	up-regulated gene
PLA2G7	ENSG00000146070	1.228329689	0.000255786	up-regulated gene
AC112206.2	ENSG00000249364	1.228266233	0.01343018	up-regulated gene
TPM3P7	ENSG00000187536	1.228261889	0.083900505	up-regulated gene
AL354994.1	ENSG00000232252	1.228217932	0.392322708	up-regulated gene
RTEL1P1	ENSG00000251441	1.228161091	0.00570845	up-regulated gene
CNKS1R1	ENSG00000142675	1.228059938	2.31946E-07	up-regulated gene
LINC00618	ENSG00000225163	1.228049867	0.002173478	up-regulated gene
AL109767.1	ENSG00000235785	1.228038603	0.13059402	up-regulated gene
AC037487.3	ENSG00000272006	1.227882601	0.003459046	up-regulated gene
AC007497.1	ENSG00000275191	1.227877025	0.00021923	up-regulated gene
H4-16	ENSG00000197837	1.227776823	4.75011E-05	up-regulated gene
PARP12	ENSG00000059378	1.227666173	3.98429E-09	up-regulated gene
AC124319.3	ENSG00000280248	1.227506097	0.001952691	up-regulated gene
C1orf159	ENSG00000131591	1.227462343	1.21121E-11	up-regulated gene
ZBED6CL	ENSG00000188707	1.227349901	1.53133E-05	up-regulated gene

CTU1	ENSG00000142544	1.227246701	5.5134E-10	up-regulated gene
GAPDHP52	ENSG00000235076	1.226247466	0.001834118	up-regulated gene
INSYN2B	ENSG00000204767	1.22613672	0.042191652	up-regulated gene
SLC35F2	ENSG00000110660	1.22585577	1.11293E-07	up-regulated gene
AP004147.1	ENSG00000250493	1.225736305	0.080666895	up-regulated gene
AL008635.1	ENSG00000273176	1.225706527	0.000247387	up-regulated gene
LRRC61	ENSG00000127399	1.225524488	1.45023E-07	up-regulated gene
RPL7AP65	ENSG00000228000	1.22475497	0.077901324	up-regulated gene
SPATA3	ENSG00000173699	1.22475416	0.293354931	up-regulated gene
RSPH10B	ENSG00000155026	1.224719994	0.000501261	up-regulated gene
AC002064.1	ENSG00000225498	1.224684404	0.094524458	up-regulated gene
AL031710.2	ENSG00000275092	1.224677009	0.001048584	up-regulated gene
LINC01050	ENSG00000271216	1.224592788	0.068774261	up-regulated gene
AC024337.1	ENSG00000259702	1.224548194	0.145259963	up-regulated gene
AL449403.3	ENSG00000275465	1.224201489	0.258181384	up-regulated gene
LINC00477	ENSG00000197503	1.224154606	0.200525596	up-regulated gene
CU633906.2	ENSG00000278903	1.224012717	0.065093857	up-regulated gene
FAM204BP	ENSG00000233040	1.223983179	0.132705468	up-regulated gene
BNIP3P9	ENSG00000270325	1.223269119	0.123621327	up-regulated gene
OR51B4	ENSG00000183251	1.223240203	0.264256842	up-regulated gene
AC021491.2	ENSG00000250286	1.223159809	0.002396353	up-regulated gene
AC108136.1	ENSG00000255325	1.223119663	0.017517295	up-regulated gene
SNORA24B	ENSG00000206903	1.223005112	0.100642971	up-regulated gene
CACNB3	ENSG00000167535	1.222965827	8.07267E-10	up-regulated gene
AC025423.1	ENSG00000256325	1.222893662	0.050408086	up-regulated gene
AL357874.2	ENSG00000231393	1.222240511	0.013927476	up-regulated gene
AC096721.1	ENSG00000272304	1.222137663	0.318100985	up-regulated gene
MRPS12	ENSG00000128626	1.22199036	9.11116E-11	up-regulated gene
AC092625.1	ENSG00000230991	1.221820206	0.399743108	up-regulated gene
WDR87	ENSG00000171804	1.221727847	0.095122973	up-regulated gene
AC004231.1	ENSG00000234477	1.221531608	0.018567786	up-regulated gene
FAM241B	ENSG00000171224	1.2212823	6.89739E-09	up-regulated gene
MAMDC4	ENSG00000177943	1.220914696	1.96511E-06	up-regulated gene
LINC02345	ENSG00000259225	1.22090312	0.009358695	up-regulated gene
RNU4ATAC16P	ENSG00000221439	1.220789117	0.190938242	up-regulated gene
CYB561	ENSG00000008283	1.220583194	6.14956E-16	up-regulated gene
RAB11FIP4	ENSG00000131242	1.220410659	1.55105E-05	up-regulated gene
RNU6-1160P	ENSG00000207276	1.220388853	0.081019308	up-regulated gene
AC021549.2	ENSG00000266521	1.22002	0.043742019	up-regulated gene
AC139099.1	ENSG00000262094	1.219959619	0.016942814	up-regulated gene
C3orf35	ENSG00000198590	1.219925305	2.55876E-05	up-regulated gene
AC127002.1	ENSG00000252192	1.219881396	0.059481351	up-regulated gene
ACYP1	ENSG00000119640	1.21979094	4.77861E-14	up-regulated gene
BGN	ENSG00000182492	1.219755622	0.000497364	up-regulated gene
SLC6A7	ENSG00000011083	1.219736553	0.003960154	up-regulated gene
AC104446.3	ENSG00000280904	1.219481873	0.048664098	up-regulated gene
AC007040.2	ENSG00000258881	1.219464875	0.004254828	up-regulated gene
AL136116.2	ENSG00000217495	1.219314826	0.105437931	up-regulated gene
PRIM1	ENSG00000198056	1.219259657	2.55601E-10	up-regulated gene

MST1	ENSG00000173531	1.219239554	2.04647E-05	up-regulated gene
FERMT1	ENSG00000101311	1.219235973	5.82528E-06	up-regulated gene
BRICD5	ENSG00000182685	1.219220405	7.63213E-07	up-regulated gene
SLC7A11	ENSG00000151012	1.219041723	0.009550983	up-regulated gene
Z86062.1	ENSG00000220695	1.219003998	0.06298678	up-regulated gene
SLC50A1	ENSG00000169241	1.218890927	7.56721E-12	up-regulated gene
AP005209.1	ENSG00000264876	1.218868939	0.114750353	up-regulated gene
AC009533.1	ENSG00000111788	1.218763546	4.36202E-08	up-regulated gene
CALCR	ENSG00000004948	1.218619684	0.006822724	up-regulated gene
LINC02772	ENSG00000271736	1.218297097	0.236626229	up-regulated gene
KRT18P2	ENSG00000234439	1.218088099	0.033496944	up-regulated gene
AC004917.1	ENSG00000243797	1.217965761	0.023705174	up-regulated gene
AC026202.2	ENSG00000233912	1.217840652	0.000918811	up-regulated gene
LRRC37A6P	ENSG00000230445	1.21754981	0.001879185	up-regulated gene
AL121845.3	ENSG00000273154	1.217502843	5.58629E-10	up-regulated gene
AL139095.1	ENSG00000219375	1.217287904	0.128889578	up-regulated gene
AC007991.3	ENSG00000253939	1.217270588	0.278914037	up-regulated gene
TP53TG3GP	ENSG00000261274	1.217176374	0.425364958	up-regulated gene
RCC2	ENSG00000179051	1.217102391	5.53541E-25	up-regulated gene
IGHV3-13	ENSG00000211942	1.217077844	0.069452408	up-regulated gene
TRPM5	ENSG00000070985	1.216757311	0.033374634	up-regulated gene
AP001062.2	ENSG00000232969	1.21673574	0.02650298	up-regulated gene
HOXB7	ENSG00000260027	1.216690473	6.37708E-08	up-regulated gene
AC093535.1	ENSG00000250602	1.216570713	0.000818822	up-regulated gene
AC020629.1	ENSG00000257674	1.216138335	0.106851365	up-regulated gene
CCN6	ENSG00000112761	1.216048721	0.01428035	up-regulated gene
SNORD19C	ENSG00000222345	1.215884001	0.00028602	up-regulated gene
AC027228.3	ENSG00000279373	1.215770763	0.002486176	up-regulated gene
CTAGE7P	ENSG00000233122	1.215753195	3.3415E-05	up-regulated gene
AC138430.1	ENSG00000267629	1.215639686	0.080317049	up-regulated gene
LINC02277	ENSG00000258487	1.21547577	0.18198929	up-regulated gene
GPR137C	ENSG00000180998	1.214968236	0.000199583	up-regulated gene
NDUFA9P1	ENSG00000237406	1.214909241	0.005801602	up-regulated gene
AL035427.1	ENSG00000270050	1.214774197	0.058084729	up-regulated gene
AC026348.1	ENSG00000240751	1.21473185	0.009666078	up-regulated gene
DARS-AS1	ENSG00000231890	1.214668055	9.63231E-07	up-regulated gene
AL645608.7	ENSG00000272512	1.214560614	0.001810423	up-regulated gene
LRRC63	ENSG00000173988	1.214558343	0.007471759	up-regulated gene
RXFP1	ENSG00000171509	1.214512293	0.006818294	up-regulated gene
AC010997.4	ENSG00000272692	1.214409179	1.52187E-05	up-regulated gene
LINC00624	ENSG00000278811	1.214257912	0.000350087	up-regulated gene
RHBDF2	ENSG00000129667	1.213881236	1.49226E-11	up-regulated gene
AC008810.1	ENSG00000212567	1.213614088	0.172392102	up-regulated gene
LINC02445	ENSG00000257750	1.213411559	0.458950274	up-regulated gene
AC019294.2	ENSG00000260288	1.213364815	0.000161814	up-regulated gene
FAM225B	ENSG00000225684	1.213065182	0.004304861	up-regulated gene
C5orf58	ENSG00000234511	1.212884767	0.020886206	up-regulated gene
SLC7A9	ENSG00000021488	1.212870667	0.000983815	up-regulated gene
AC007556.1	ENSG00000235321	1.212759098	0.204161767	up-regulated gene

CHAD	ENSG00000136457	1.212681967	0.001667131	up-regulated gene
PRANCR	ENSG00000257815	1.212602153	2.02759E-07	up-regulated gene
CLDN14	ENSG00000159261	1.212476817	0.0029535	up-regulated gene
SPECC1	ENSG00000128487	1.212035906	3.90718E-05	up-regulated gene
VDAC1P5	ENSG00000270858	1.212015356	0.055226533	up-regulated gene
AC005954.2	ENSG00000267205	1.211964872	0.031891366	up-regulated gene
AC009262.1	ENSG00000236212	1.211960786	0.018579322	up-regulated gene
AL133353.1	ENSG00000229278	1.211957157	0.000794932	up-regulated gene
AC011498.3	ENSG00000267255	1.211649949	0.003061581	up-regulated gene
TMEM44	ENSG00000145014	1.211511889	1.75777E-11	up-regulated gene
HES5	ENSG00000197921	1.211366221	0.007376545	up-regulated gene
LINC01895	ENSG00000259256	1.211113515	0.439208767	up-regulated gene
RASSF7	ENSG00000099849	1.210988571	3.65331E-07	up-regulated gene
PPP1R16A	ENSG00000160972	1.210949759	2.04363E-10	up-regulated gene
SLC25A6P3	ENSG00000232846	1.210793036	0.420940281	up-regulated gene
AL121776.1	ENSG00000239783	1.210492005	0.109243716	up-regulated gene
AC092117.2	ENSG00000279901	1.210096745	0.026340871	up-regulated gene
COL11A2	ENSG00000204248	1.21008912	0.000141214	up-regulated gene
NAALADL2-AS2	ENSG00000226779	1.210076145	0.105920225	up-regulated gene
AMACR	ENSG00000242110	1.210071807	0.000502897	up-regulated gene
AC002463.1	ENSG00000223646	1.210050259	0.178144424	up-regulated gene
HOMER3	ENSG00000051128	1.20996143	9.18692E-09	up-regulated gene
AF127577.6	ENSG00000279390	1.209960377	0.030836641	up-regulated gene
ZSCAN16	ENSG00000196812	1.209926596	9.22078E-08	up-regulated gene
AC064852.1	ENSG00000241409	1.209899138	0.321577713	up-regulated gene
SLC66A1	ENSG00000040487	1.209732886	2.93659E-19	up-regulated gene
RNU6-88P	ENSG00000272507	1.209263327	0.00837654	up-regulated gene
RN7SL296P	ENSG00000275090	1.209115977	0.453686239	up-regulated gene
SNORA37	ENSG00000207233	1.209011448	0.130573506	up-regulated gene
OR1H1P	ENSG00000228914	1.208896215	0.029925103	up-regulated gene
AL390719.1	ENSG00000217801	1.208631271	0.000790657	up-regulated gene
RPL7L1P11	ENSG00000176970	1.208565903	0.121527296	up-regulated gene
RNU7-181P	ENSG00000253043	1.208465149	0.201571418	up-regulated gene
GOLGA5P1	ENSG00000251215	1.208445913	0.137795716	up-regulated gene
AL732366.2	ENSG00000201882	1.207906873	0.233682279	up-regulated gene
AC124067.4	ENSG00000254290	1.207769276	0.066733416	up-regulated gene
CASC9	ENSG00000249395	1.207710525	0.004296097	up-regulated gene
LHX4	ENSG00000121454	1.20732067	0.000190584	up-regulated gene
AC025031.4	ENSG00000275481	1.207300472	7.01914E-05	up-regulated gene
FRG1KP	ENSG00000280286	1.207249603	0.030405799	up-regulated gene
AC092115.3	ENSG00000262136	1.207096571	0.001389164	up-regulated gene
LINC01998	ENSG00000243321	1.207084044	0.099685149	up-regulated gene
SLC45A3	ENSG00000158715	1.207015448	1.95756E-05	up-regulated gene
AP004290.1	ENSG00000236583	1.206975442	0.026918489	up-regulated gene
APBA2	ENSG00000034053	1.20695287	0.001779478	up-regulated gene
ARF1P2	ENSG00000213137	1.206747159	0.096353448	up-regulated gene
AC008734.1	ENSG00000269300	1.206721059	0.01770039	up-regulated gene
AC138466.5	ENSG00000279640	1.20658161	0.006235165	up-regulated gene
FAM81B	ENSG00000153347	1.206494931	0.032176768	up-regulated gene

IL17RB	ENSG00000056736	1.206464982	4.78341E-05	up-regulated gene
AC005544.1	ENSG00000264491	1.206071741	0.113197446	up-regulated gene
CPNE9	ENSG00000144550	1.205833358	0.001108015	up-regulated gene
CT69	ENSG00000231971	1.205808157	0.051407815	up-regulated gene
FANCG	ENSG00000221829	1.205727995	7.31536E-13	up-regulated gene
IMPDH1P8	ENSG00000224728	1.205681064	0.000253725	up-regulated gene
AC011476.2	ENSG00000267149	1.205678468	0.00767196	up-regulated gene
AC005828.3	ENSG00000263644	1.20550536	0.086317363	up-regulated gene
AF196972.2	ENSG00000276823	1.205490587	0.041897428	up-regulated gene
AL158196.1	ENSG00000276968	1.205381012	0.000791571	up-regulated gene
AC091959.1	ENSG00000239317	1.205229701	0.080995847	up-regulated gene
BID	ENSG00000015475	1.205217571	1.74509E-13	up-regulated gene
FUOM	ENSG00000148803	1.205041002	9.99951E-05	up-regulated gene
Metazoa_SRP	ENSG00000275881	1.204921745	0.039219503	up-regulated gene
COL27A1	ENSG00000196739	1.204845499	0.000103406	up-regulated gene
CFTR	ENSG00000001626	1.204517895	0.046858137	up-regulated gene
AC087276.2	ENSG00000254907	1.204410515	0.000370483	up-regulated gene
PAK5	ENSG00000101349	1.204378177	0.09895178	up-regulated gene
AC010542.4	ENSG00000261519	1.204189626	0.005569005	up-regulated gene
LYZ	ENSG00000090382	1.204046366	0.008275025	up-regulated gene
AC130324.2	ENSG00000265334	1.203965393	0.051521656	up-regulated gene
AC027228.2	ENSG00000261762	1.203918112	3.21421E-07	up-regulated gene
GRM3-AS1	ENSG00000233073	1.203649769	0.019018307	up-regulated gene
AC027348.1	ENSG00000275155	1.203641505	0.017345597	up-regulated gene
ZNF497	ENSG00000174586	1.203463013	1.295E-09	up-regulated gene
AC055822.1	ENSG00000272155	1.203254523	4.3401E-06	up-regulated gene
AC010615.1	ENSG00000213976	1.203243535	0.000563761	up-regulated gene
TMEM97	ENSG00000109084	1.203212774	0.001375123	up-regulated gene
AL031058.1	ENSG00000261189	1.203208926	0.001168007	up-regulated gene
LINC02446	ENSG00000256039	1.203060434	0.05067719	up-regulated gene
NSUN5P1	ENSG00000223705	1.202997143	5.18917E-08	up-regulated gene
CNOT10-AS1	ENSG00000251224	1.202911965	0.138366277	up-regulated gene
DBF4B	ENSG00000161692	1.2028774	1.32224E-14	up-regulated gene
Y_RNA	ENSG00000201343	1.202836698	0.362325423	up-regulated gene
CGB7	ENSG00000196337	1.202765157	0.000913316	up-regulated gene
AL021154.1	ENSG00000235052	1.202331971	0.002240533	up-regulated gene
OXLD1	ENSG00000204237	1.202274566	2.66614E-12	up-regulated gene
TNFSF11	ENSG00000120659	1.20218164	0.006154099	up-regulated gene
AC068946.1	ENSG00000280537	1.202130508	6.20725E-05	up-regulated gene
FO538757.1	ENSG00000279928	1.201875076	0.045287094	up-regulated gene
AC087473.1	ENSG00000259380	1.201861507	0.192748616	up-regulated gene
MTCO2P11	ENSG00000235917	1.201705703	0.133436397	up-regulated gene
AC026202.3	ENSG00000268509	1.201592121	0.055910817	up-regulated gene
RN7SKP95	ENSG00000199730	1.201487607	0.146124269	up-regulated gene
CLEC19A	ENSG00000261210	1.20141699	0.184459812	up-regulated gene
RN7SL306P	ENSG00000242241	1.20095859	0.148788286	up-regulated gene
RNU4-2	ENSG00000202538	1.200818924	0.028868269	up-regulated gene
LINC02012	ENSG00000272989	1.200652718	0.001126019	up-regulated gene
AP001619.1	ENSG00000227698	1.20063619	0.003820773	up-regulated gene

OCIAD2	ENSG00000145247	1.200354134	1.65101E-10	up-regulated gene
AL031186.1	ENSG00000237015	1.199736074	6.9287E-06	up-regulated gene
SNORD67	ENSG00000212135	1.199691663	0.046098475	up-regulated gene
Metazoa_SRP	ENSG00000277396	1.1995045	0.045337744	up-regulated gene
KRT8P35	ENSG00000242841	1.199483213	0.007100963	up-regulated gene
TDRD12	ENSG00000173809	1.199393252	0.00578185	up-regulated gene
SNHG12	ENSG00000197989	1.199187757	4.26258E-11	up-regulated gene
BOP1	ENSG00000261236	1.19913698	3.21776E-10	up-regulated gene
AC012435.3	ENSG00000261775	1.199088499	0.00107208	up-regulated gene
AC092755.2	ENSG00000259238	1.198883361	0.000674179	up-regulated gene
DYDC2	ENSG00000133665	1.19882798	0.064340134	up-regulated gene
AMIGO2	ENSG00000139211	1.198271781	9.16383E-05	up-regulated gene
CACNA1A	ENSG00000141837	1.198264184	0.000929035	up-regulated gene
AC073957.3	ENSG00000273151	1.198223709	7.22889E-05	up-regulated gene
RTN4RL2	ENSG00000186907	1.198079581	0.00023915	up-regulated gene
TMEM147-AS1	ENSG00000236144	1.198056935	5.01779E-08	up-regulated gene
AC097515.1	ENSG00000248138	1.198056316	0.098512934	up-regulated gene
AC012613.1	ENSG00000248647	1.197951113	0.169893476	up-regulated gene
RIPOR3-AS1	ENSG00000234693	1.197666707	0.044745774	up-regulated gene
AC019118.1	ENSG00000226649	1.197612403	0.019063965	up-regulated gene
NETO2	ENSG00000171208	1.197579053	0.000133765	up-regulated gene
AL356273.2	ENSG00000238061	1.197442118	0.001474979	up-regulated gene
AC147055.1	ENSG00000248635	1.197270674	0.233287443	up-regulated gene
KCNJ10	ENSG00000177807	1.197098116	0.002531684	up-regulated gene
SNORD63	ENSG00000206989	1.19706353	0.019536656	up-regulated gene
AC011840.1	ENSG00000231421	1.196886374	0.384715701	up-regulated gene
TNFAIP2	ENSG00000185215	1.196878215	9.01687E-05	up-regulated gene
AL022345.2	ENSG00000272387	1.196792123	0.144647279	up-regulated gene
LINC01120	ENSG00000223631	1.196771133	0.190445633	up-regulated gene
MIR4435-2HG	ENSG00000172965	1.196632945	3.04736E-05	up-regulated gene
AL023284.4	ENSG00000260418	1.196630904	0.000200818	up-regulated gene
AL033504.1	ENSG00000227681	1.19640616	0.192511434	up-regulated gene
AC092809.1	ENSG00000229742	1.196291938	0.174194045	up-regulated gene
UBASH3B	ENSG00000154127	1.196277344	5.0251E-05	up-regulated gene
MT1P1	ENSG00000213761	1.195785154	0.000697205	up-regulated gene
PCDHB2	ENSG00000112852	1.195679429	0.005010341	up-regulated gene
AC108463.2	ENSG00000230499	1.19567269	0.00129785	up-regulated gene
AL139041.1	ENSG00000271631	1.195491096	0.001183163	up-regulated gene
DARS2	ENSG00000117593	1.195482863	3.0431E-12	up-regulated gene
AC009803.2	ENSG00000258108	1.194949276	0.093840956	up-regulated gene
HNRNPA1P46	ENSG00000228020	1.194920798	0.164146765	up-regulated gene
STK32C	ENSG00000165752	1.194875954	1.93123E-08	up-regulated gene
AL359510.1	ENSG00000227625	1.194871641	0.057777345	up-regulated gene
HAL	ENSG00000084110	1.194792342	0.0042797	up-regulated gene
CENPX	ENSG00000169689	1.194682008	1.06244E-12	up-regulated gene
SNORA69	ENSG00000206622	1.194471955	0.0071474	up-regulated gene
FTH1P25	ENSG00000232792	1.19440134	0.132870622	up-regulated gene
HLCS-IT1	ENSG00000237646	1.194026249	0.022796611	up-regulated gene
AC023043.3	ENSG00000267456	1.193747742	0.008740854	up-regulated gene

ANO3	ENSG00000134343	1.193609605	0.020014131	up-regulated gene
ALG3	ENSG00000214160	1.193585243	2.98017E-19	up-regulated gene
RNA5SP311	ENSG00000238405	1.193581684	0.069997588	up-regulated gene
AC010319.1	ENSG00000254503	1.193427158	0.000546604	up-regulated gene
AC083843.3	ENSG00000279518	1.193425711	0.000291606	up-regulated gene
AC010653.2	ENSG00000279592	1.193286705	0.052091222	up-regulated gene
PCSK4	ENSG00000115257	1.19282778	5.89779E-05	up-regulated gene
ZNF675	ENSG00000197372	1.192513324	4.93122E-07	up-regulated gene
MIR553	ENSG00000207750	1.19249401	0.118937946	up-regulated gene
AL355994.2	ENSG00000232456	1.192455308	0.017433873	up-regulated gene
AL357054.1	ENSG00000219712	1.192382315	0.248999628	up-regulated gene
AP001453.3	ENSG00000257086	1.19235293	5.19176E-10	up-regulated gene
AC106886.2	ENSG00000260899	1.192344361	3.7693E-05	up-regulated gene
NXT1-AS1	ENSG00000234832	1.192329758	0.001198859	up-regulated gene
AL136301.1	ENSG00000276436	1.192228712	0.036935828	up-regulated gene
AL355493.1	ENSG00000215409	1.191955159	0.240452407	up-regulated gene
LINC01827	ENSG00000234919	1.19189674	0.173414824	up-regulated gene
AC009121.4	ENSG00000263080	1.191749889	0.000441943	up-regulated gene
AC079209.1	ENSG00000253214	1.191597956	0.022800718	up-regulated gene
STEAP2-AS1	ENSG00000227646	1.191580798	0.022321147	up-regulated gene
PMEL	ENSG00000185664	1.19144933	1.19089E-05	up-regulated gene
AC007126.1	ENSG00000250497	1.191147427	0.285064158	up-regulated gene
AC011471.2	ENSG00000267563	1.190970796	0.173850372	up-regulated gene
AC006483.1	ENSG00000228974	1.190955772	0.001010925	up-regulated gene
AC008700.1	ENSG00000248125	1.190861471	0.097949992	up-regulated gene
AP000593.1	ENSG00000213365	1.190817454	0.055050422	up-regulated gene
MIR4292	ENSG00000265806	1.190778379	2.37056E-06	up-regulated gene
AL512306.1	ENSG00000236779	1.190498944	0.089635024	up-regulated gene
PPIAP29	ENSG00000214975	1.190120921	0.001195932	up-regulated gene
HSPB9	ENSG00000260325	1.190030469	8.37604E-05	up-regulated gene
RNU7-151P	ENSG00000252739	1.189986043	0.082213993	up-regulated gene
GOLGA6L6	ENSG00000277322	1.18996436	0.41581597	up-regulated gene
LINC01825	ENSG00000223466	1.189954431	0.23868284	up-regulated gene
RPSAP16	ENSG00000235145	1.189904606	0.018921939	up-regulated gene
MRPL42P2	ENSG00000216364	1.189816845	0.14527066	up-regulated gene
CKAP2	ENSG00000136108	1.189703269	1.80685E-10	up-regulated gene
RNU4-53P	ENSG00000222760	1.189679543	0.065768864	up-regulated gene
MRM1	ENSG00000278619	1.189633439	1.29178E-12	up-regulated gene
AC022540.1	ENSG00000232342	1.189559913	0.038526841	up-regulated gene
AC005775.1	ENSG00000266933	1.189532278	0.000656744	up-regulated gene
AC016590.1	ENSG00000267605	1.189492143	0.002534482	up-regulated gene
AC007879.3	ENSG00000234902	1.189308647	0.003014587	up-regulated gene
AC084024.3	ENSG00000253356	1.189190356	0.135206262	up-regulated gene
AC002076.1	ENSG00000234695	1.189075559	0.002954055	up-regulated gene
MEN1	ENSG00000133895	1.188952152	9.52846E-26	up-regulated gene
AL592071.1	ENSG00000273980	1.188942167	0.004125764	up-regulated gene
AP002768.1	ENSG00000254563	1.188726435	0.201124563	up-regulated gene
AC008750.1	ENSG00000254760	1.188470298	0.006114404	up-regulated gene
FLVCR2	ENSG00000119686	1.188409591	1.74004E-06	up-regulated gene

AL360270.1	ENSG00000232811	1.188050651	1.32268E-07	up-regulated gene
PPP1R14BP5	ENSG00000213133	1.187886732	0.079250148	up-regulated gene
PYCR3	ENSG00000104524	1.187761645	8.51907E-11	up-regulated gene
MSMB	ENSG00000263639	1.187704243	0.089947373	up-regulated gene
SLC16A3	ENSG00000141526	1.187442067	1.28961E-05	up-regulated gene
KCNC2	ENSG00000166006	1.187365592	0.381545081	up-regulated gene
PCED1CP	ENSG00000231254	1.187290059	0.152704912	up-regulated gene
RNU6-33P	ENSG00000207524	1.18726634	0.055949232	up-regulated gene
OR10H2	ENSG00000171942	1.187160811	0.213787371	up-regulated gene
LYG1	ENSG00000144214	1.187050334	7.19895E-06	up-regulated gene
AL035252.2	ENSG00000230725	1.187014609	0.107948197	up-regulated gene
AL033519.4	ENSG00000228559	1.186203029	0.073368215	up-regulated gene
HES4	ENSG00000188290	1.18605727	0.000168488	up-regulated gene
AKR7A3	ENSG00000162482	1.185297862	6.26299E-05	up-regulated gene
ANKRD40CL	ENSG00000167117	1.185093156	0.082862828	up-regulated gene
CAVIN4	ENSG00000170681	1.184806994	1.47392E-05	up-regulated gene
AC007613.1	ENSG00000262420	1.184639954	1.44612E-05	up-regulated gene
ENPP7P11	ENSG00000250942	1.184624341	0.15041893	up-regulated gene
SLC3A1	ENSG00000138079	1.184523091	0.002518832	up-regulated gene
AC008115.3	ENSG00000275560	1.184309878	1.51894E-05	up-regulated gene
IFIT1	ENSG00000185745	1.184259777	0.005207778	up-regulated gene
DEFB134	ENSG00000205882	1.184246305	0.312039162	up-regulated gene
AC003005.2	ENSG00000268266	1.184208677	0.016476856	up-regulated gene
AL035456.1	ENSG00000235036	1.184175196	2.65194E-05	up-regulated gene
CCSAP	ENSG00000154429	1.183965353	6.27351E-12	up-regulated gene
ELOCP21	ENSG00000226186	1.183668912	0.090881598	up-regulated gene
C2orf50	ENSG00000150873	1.183500576	0.004292681	up-regulated gene
KARS1P1	ENSG00000229696	1.183486124	0.173511212	up-regulated gene
AC005837.1	ENSG00000261335	1.183246738	0.000103965	up-regulated gene
NPM1P38	ENSG00000219257	1.18308459	0.066956039	up-regulated gene
AC103702.1	ENSG00000257178	1.183018266	0.016961145	up-regulated gene
HELT	ENSG00000187821	1.182951729	0.354805446	up-regulated gene
AC008750.2	ENSG00000267905	1.182940729	0.079991868	up-regulated gene
KHDC4	ENSG00000132680	1.182886057	1.35642E-12	up-regulated gene
AC005291.1	ENSG00000264067	1.182815508	0.046216353	up-regulated gene
IMPA1P1	ENSG00000251521	1.182717344	0.106198427	up-regulated gene
AC037487.4	ENSG00000280299	1.182517343	0.013866525	up-regulated gene
SNHG1	ENSG00000255717	1.182389486	6.1665E-13	up-regulated gene
MTCYBP3	ENSG00000232373	1.182315403	0.150324008	up-regulated gene
SCN1A	ENSG00000144285	1.18231512	0.127639072	up-regulated gene
RPL9P29	ENSG00000267355	1.182216507	3.17626E-05	up-regulated gene
TMEM92	ENSG00000167105	1.182153692	0.001394041	up-regulated gene
HCAR2	ENSG00000182782	1.182152295	0.002126791	up-regulated gene
KCNMB3	ENSG00000171121	1.182114726	2.12787E-08	up-regulated gene
ADH6	ENSG00000172955	1.182001342	0.023311369	up-regulated gene
CCNO	ENSG00000152669	1.181637645	5.44301E-05	up-regulated gene
AL139099.2	ENSG00000258450	1.181601825	0.001856806	up-regulated gene
FSD2	ENSG00000186628	1.181595094	0.006841539	up-regulated gene
HIGD1AP18	ENSG00000253952	1.181508126	0.039211069	up-regulated gene

BCL2L2-PABPN1	ENSG00000258643	1.181498583	1.04624E-06	up-regulated gene
AC005005.4	ENSG00000278920	1.181483689	0.002172519	up-regulated gene
MAT1A	ENSG00000151224	1.181466843	0.023397907	up-regulated gene
KATNBL1P3	ENSG00000235422	1.181294349	0.187059644	up-regulated gene
ID12-AS1	ENSG00000232656	1.181121771	0.001087802	up-regulated gene
AKR1C7P	ENSG00000215267	1.181068194	0.057653253	up-regulated gene
RNU6-483P	ENSG00000206815	1.181010476	0.03400232	up-regulated gene
RNA5SP203	ENSG00000222383	1.180964349	0.017099266	up-regulated gene
AC131011.1	ENSG00000233785	1.180910623	0.003897119	up-regulated gene
ALPK2	ENSG00000198796	1.18077755	0.017168181	up-regulated gene
FOXO6	ENSG00000204060	1.180776417	0.002549874	up-regulated gene
AP000350.7	ENSG00000279467	1.180592917	0.000361489	up-regulated gene
UBE2SP1	ENSG00000233966	1.180585626	0.00020962	up-regulated gene
NPY4R	ENSG00000204174	1.180294274	0.051591631	up-regulated gene
AC090371.2	ENSG00000263765	1.180275405	0.158690495	up-regulated gene
RNU5B-1	ENSG00000200156	1.180226634	0.268344136	up-regulated gene
AL031963.3	ENSG00000272277	1.180194633	1.20704E-05	up-regulated gene
TRIM59	ENSG00000213186	1.1801438	4.10655E-12	up-regulated gene
RDH12	ENSG00000139988	1.180101409	0.012643746	up-regulated gene
TRIM60P18	ENSG00000227986	1.180069051	1.08827E-05	up-regulated gene
BASP1-AS1	ENSG00000215196	1.179924928	0.025003479	up-regulated gene
LINC00326	ENSG00000231023	1.179895794	0.393433571	up-regulated gene
CEP164P1	ENSG00000226937	1.179526139	0.007101809	up-regulated gene
RN7SL144P	ENSG00000242559	1.179460016	0.279566055	up-regulated gene
LINC02601	ENSG00000223714	1.179193537	0.000449212	up-regulated gene
MGAM	ENSG00000257335	1.179143363	0.015475212	up-regulated gene
ALMS1P1	ENSG00000163016	1.179111255	0.001948602	up-regulated gene
AC013391.2	ENSG00000259713	1.178952883	0.162309291	up-regulated gene
SPRR3	ENSG00000163209	1.178925825	0.04494243	up-regulated gene
RASL11B	ENSG00000128045	1.178894783	0.002249781	up-regulated gene
ACY1	ENSG00000243989	1.178765076	1.19816E-07	up-regulated gene
AC012441.2	ENSG00000228897	1.178641706	0.02584714	up-regulated gene
MIR4527HG	ENSG00000267761	1.178405614	0.222963198	up-regulated gene
Metazoa_SRP	ENSG00000274701	1.178361356	0.078369468	up-regulated gene
SASS6	ENSG00000156876	1.178319141	7.95909E-13	up-regulated gene
AL355802.3	ENSG00000271754	1.178203176	6.37204E-07	up-regulated gene
RNU6-199P	ENSG00000199824	1.178090771	0.148178327	up-regulated gene
SLC38A7	ENSG00000103042	1.177878839	1.36537E-19	up-regulated gene
AC012506.2	ENSG00000223634	1.177862693	0.264471287	up-regulated gene
AL121820.2	ENSG00000259038	1.177836597	0.006619644	up-regulated gene
MIR616	ENSG00000208028	1.177822098	0.011467245	up-regulated gene
GCLM	ENSG00000023909	1.17767185	0.000130107	up-regulated gene
KRT8P52	ENSG00000232479	1.177654947	0.000626334	up-regulated gene
TGFBI	ENSG00000120708	1.177622085	0.006688156	up-regulated gene
LINC01173	ENSG00000280744	1.177576482	0.308715561	up-regulated gene
SH3GL1P2	ENSG00000264943	1.177438999	9.457E-05	up-regulated gene
EXOC3L4	ENSG00000205436	1.177330563	0.007260497	up-regulated gene
KIR2DL3	ENSG00000243772	1.177257832	0.08259635	up-regulated gene
TMEM171	ENSG00000157111	1.177202503	0.005499993	up-regulated gene

OR51J1	ENSG00000184321	1.176680167	0.338074574	up-regulated gene
SPP2	ENSG00000072080	1.176569336	0.277314818	up-regulated gene
CDH12	ENSG00000154162	1.176430697	0.18332014	up-regulated gene
RNU4-1	ENSG00000200795	1.176428472	0.05920768	up-regulated gene
SCARNA12	ENSG00000238795	1.176385279	0.000811818	up-regulated gene
AC105339.2	ENSG00000252690	1.176236513	3.70361E-05	up-regulated gene
HTR1D	ENSG00000179546	1.176131523	0.018606365	up-regulated gene
MTND5P25	ENSG00000227348	1.175759754	0.091499645	up-regulated gene
KRT8	ENSG00000170421	1.175667139	0.000112628	up-regulated gene
MIR3186	ENSG00000266189	1.175546035	0.081647238	up-regulated gene
AL360270.3	ENSG00000273010	1.175399333	1.57055E-05	up-regulated gene
SLC25A6P4	ENSG00000266909	1.175261773	0.069589796	up-regulated gene
IGKV1D-43	ENSG00000242580	1.175120437	0.103737648	up-regulated gene
GOLGA2P5	ENSG00000238105	1.174837428	2.26868E-05	up-regulated gene
MTRF1LP2	ENSG00000224110	1.174833246	0.10086533	up-regulated gene
RPS21P1	ENSG00000229795	1.174761916	0.009039643	up-regulated gene
VAC14-AS1	ENSG00000214353	1.17475831	0.000241694	up-regulated gene
KIF20B	ENSG00000138182	1.174494334	5.82748E-09	up-regulated gene
AL133343.2	ENSG00000233293	1.174343252	0.16484336	up-regulated gene
AC104135.1	ENSG00000236209	1.17419471	0.03898907	up-regulated gene
LCMT1-AS2	ENSG00000260034	1.174193391	0.02177056	up-regulated gene
MIR1291	ENSG00000281842	1.174152428	0.019531793	up-regulated gene
NPIP14P	ENSG00000226232	1.174009979	0.000137252	up-regulated gene
GAPDHP21	ENSG00000236993	1.174008581	0.018517104	up-regulated gene
AC079950.1	ENSG00000257657	1.173809937	0.182600242	up-regulated gene
SRRM5	ENSG00000226763	1.173729625	9.31981E-07	up-regulated gene
ACP3	ENSG00000014257	1.173338631	0.001030448	up-regulated gene
Metazoa_SRP	ENSG00000274011	1.172891778	0.033114376	up-regulated gene
CBX5P1	ENSG00000241535	1.172783819	0.103118134	up-regulated gene
LAMA3	ENSG00000053747	1.172329371	0.024201952	up-regulated gene
MAGED4B	ENSG00000187243	1.172265578	0.164792864	up-regulated gene
LCN2	ENSG00000148346	1.172184409	0.04007107	up-regulated gene
DUS1L	ENSG00000169718	1.172163437	6.87399E-15	up-regulated gene
CBX3P5	ENSG00000257666	1.172087705	0.092317877	up-regulated gene
AC135279.2	ENSG00000255566	1.172082889	0.00456087	up-regulated gene
COL17A1	ENSG00000065618	1.172032417	0.036000608	up-regulated gene
PTPN20CP	ENSG00000278561	1.171921113	0.075792857	up-regulated gene
OSTM1-AS1	ENSG00000225174	1.171873962	0.239791161	up-regulated gene
LINC01811	ENSG00000226320	1.17174946	0.430466267	up-regulated gene
ANKRD61	ENSG00000157999	1.171640652	2.06417E-05	up-regulated gene
AC099518.1	ENSG00000260430	1.171559232	0.00149695	up-regulated gene
CASP2	ENSG00000106144	1.1712003	7.10764E-24	up-regulated gene
AC138393.3	ENSG00000278467	1.17116472	0.001400294	up-regulated gene
Y_RNA	ENSG00000252098	1.170686552	0.113112138	up-regulated gene
AC007991.2	ENSG00000253838	1.170499012	0.137842123	up-regulated gene
AC007956.1	ENSG00000222604	1.170284566	0.093802134	up-regulated gene
AC138473.1	ENSG00000270679	1.170238386	0.056857356	up-regulated gene
RHCG	ENSG00000140519	1.170041846	0.052375233	up-regulated gene
CITED4	ENSG00000179862	1.169879233	0.00038466	up-regulated gene

KRT18P62	ENSG00000233471	1.169646455	0.095845924	up-regulated gene
LINC02640	ENSG00000233590	1.169567702	0.061907466	up-regulated gene
AC087289.1	ENSG00000266980	1.169360871	0.001350127	up-regulated gene
FIGNL1	ENSG00000132436	1.169341025	1.34603E-10	up-regulated gene
AC079597.1	ENSG00000280049	1.169326665	0.534320105	up-regulated gene
CLSTN3	ENSG00000139182	1.169311116	8.01137E-10	up-regulated gene
AC009084.2	ENSG00000280334	1.169169846	0.000321013	up-regulated gene
AC073314.1	ENSG00000261842	1.169081786	0.000864951	up-regulated gene
RNU6-1035P	ENSG00000207206	1.169061487	0.010322473	up-regulated gene
TMPRSS12	ENSG00000186452	1.169019311	0.003638976	up-regulated gene
DCDC2	ENSG00000146038	1.168938696	0.047219429	up-regulated gene
KRTAP7-1	ENSG00000274749	1.168767489	0.511579688	up-regulated gene
Metazoa_SRP	ENSG00000273524	1.168544908	0.118951182	up-regulated gene
RASGRP3-AS1	ENSG00000237133	1.168422741	0.000630506	up-regulated gene
HID1	ENSG00000167861	1.168238354	0.00107306	up-regulated gene
AC129492.1	ENSG00000214999	1.167910443	0.014157611	up-regulated gene
AC025518.1	ENSG00000244604	1.167728627	0.006561332	up-regulated gene
THRB-IT1	ENSG00000224822	1.167638416	0.017860147	up-regulated gene
AC138811.2	ENSG00000260342	1.167610135	0.000502265	up-regulated gene
U62317.1	ENSG00000272821	1.167605495	1.7899E-06	up-regulated gene
AC133473.1	ENSG00000236489	1.167598451	0.100717633	up-regulated gene
AC068790.7	ENSG00000270130	1.167582469	0.00259914	up-regulated gene
AP002892.1	ENSG00000255672	1.167545534	0.332320965	up-regulated gene
DSN1	ENSG00000149636	1.167526296	3.97936E-14	up-regulated gene
AC008267.4	ENSG00000236928	1.167465229	0.118063539	up-regulated gene
TUBA4B	ENSG00000243910	1.167115735	0.023142217	up-regulated gene
AC007938.1	ENSG00000259920	1.167113522	0.017021928	up-regulated gene
RPL37P6	ENSG00000241431	1.167017112	0.0008355	up-regulated gene
PCDHA7	ENSG00000204963	1.166732311	0.012904621	up-regulated gene
SUCLG2P4	ENSG00000249226	1.16672418	0.470844544	up-regulated gene
CENPL	ENSG00000120334	1.16653248	2.15926E-11	up-regulated gene
AC004253.1	ENSG00000263990	1.166489825	2.07376E-05	up-regulated gene
AL139120.1	ENSG00000233340	1.166313839	0.213957005	up-regulated gene
AC010745.2	ENSG00000228876	1.166133674	0.14080984	up-regulated gene
IGHV1-3	ENSG00000211935	1.166019028	0.111605565	up-regulated gene
PKP4-AS1	ENSG00000204380	1.165953223	0.000913452	up-regulated gene
AC016717.1	ENSG00000228206	1.165780711	0.304600211	up-regulated gene
AC104564.2	ENSG00000264007	1.165728762	0.041418043	up-regulated gene
CYP4F30P	ENSG00000214081	1.16564564	0.240326245	up-regulated gene
LINC00592	ENSG00000258279	1.165589547	0.004192352	up-regulated gene
PCAT7	ENSG00000231806	1.165478476	0.001117299	up-regulated gene
HEY1	ENSG00000164683	1.165457134	0.000621905	up-regulated gene
AC084754.1	ENSG00000244712	1.165238297	0.02388364	up-regulated gene
AC087257.1	ENSG00000248100	1.164986409	0.151162991	up-regulated gene
DSCAS	ENSG00000265888	1.164740403	0.037470016	up-regulated gene
Z98885.3	ENSG00000279345	1.164702151	0.003686934	up-regulated gene
DQX1	ENSG00000144045	1.164619218	0.002841709	up-regulated gene
Z94721.2	ENSG00000272980	1.164617862	0.003639925	up-regulated gene
RNY3	ENSG00000202354	1.164551144	0.629802043	up-regulated gene

RPL23AP8	ENSG00000241582	1.164482371	0.037952966	up-regulated gene
C11orf16	ENSG00000176029	1.164436445	0.007367424	up-regulated gene
AC087741.3	ENSG00000279259	1.164304096	6.73585E-08	up-regulated gene
AC036111.1	ENSG00000254547	1.164297227	0.414115105	up-regulated gene
AL035090.1	ENSG00000225832	1.164084586	0.264682701	up-regulated gene
OR56A1	ENSG00000180934	1.163809284	0.598146298	up-regulated gene
ZNF734P	ENSG00000197990	1.163740717	0.532957201	up-regulated gene
RBL1	ENSG00000080839	1.163653344	4.62107E-12	up-regulated gene
PSMA6P2	ENSG00000229083	1.163586822	0.052262272	up-regulated gene
AL359091.4	ENSG00000273186	1.1635485	0.0001196	up-regulated gene
AC004158.1	ENSG00000260664	1.163372218	0.055425046	up-regulated gene
AC126773.3	ENSG00000260084	1.163343039	0.009310605	up-regulated gene
BNIP3P25	ENSG00000268322	1.163263707	0.070537582	up-regulated gene
AC073342.2	ENSG00000268170	1.163200202	0.153588195	up-regulated gene
ETV5-AS1	ENSG00000234197	1.163146901	0.098841068	up-regulated gene
SVOPL	ENSG00000157703	1.162647412	0.003143953	up-regulated gene
AC064802.1	ENSG00000254339	1.162498553	0.215940335	up-regulated gene
AL355353.1	ENSG00000270761	1.162331989	0.00068543	up-regulated gene
LINC01905	ENSG00000267057	1.162167057	0.153131049	up-regulated gene
SLC35A2	ENSG00000102100	1.162147055	5.94707E-14	up-regulated gene
AC008870.5	ENSG00000278912	1.162094415	0.150631987	up-regulated gene
AL035446.1	ENSG00000234147	1.161829853	0.048707601	up-regulated gene
Y_RNA	ENSG00000200502	1.161810976	0.004511051	up-regulated gene
AC091868.2	ENSG00000249293	1.161617853	0.051967006	up-regulated gene
LINC01693	ENSG00000227764	1.161342071	0.143244741	up-regulated gene
SNRPGP3	ENSG00000239919	1.161265202	0.139001662	up-regulated gene
AC114737.2	ENSG00000225703	1.161175491	0.097339076	up-regulated gene
EMBP1	ENSG00000231752	1.160946841	0.00158764	up-regulated gene
AL391839.1	ENSG00000229327	1.160674236	0.26181367	up-regulated gene
AC103705.1	ENSG00000278275	1.160669289	0.14982562	up-regulated gene
ITGB5-AS1	ENSG00000244286	1.160658009	0.119005935	up-regulated gene
RNY1P9	ENSG00000255156	1.160422178	0.060378419	up-regulated gene
C1QTNF1-AS1	ENSG00000265096	1.160409277	0.079011834	up-regulated gene
SPRN	ENSG00000203772	1.160302037	9.6768E-08	up-regulated gene
AC009093.1	ENSG00000259807	1.160270274	0.004484633	up-regulated gene
FAR2P3	ENSG00000240253	1.16025259	0.283210048	up-regulated gene
RPL3L	ENSG00000140986	1.160162497	0.000292414	up-regulated gene
OR11H7	ENSG00000258806	1.160099193	0.002770604	up-regulated gene
ZNF839P1	ENSG00000217896	1.160032082	0.238921075	up-regulated gene
DHRS13	ENSG00000167536	1.159987323	2.86508E-06	up-regulated gene
Y_RNA	ENSG00000277634	1.159886028	0.17284922	up-regulated gene
ADAM21	ENSG00000139985	1.159804012	0.005311237	up-regulated gene
AC099489.3	ENSG00000262999	1.159671065	0.075054085	up-regulated gene
LINC00488	ENSG00000214381	1.159608849	0.316656276	up-regulated gene
CCDC18	ENSG00000122483	1.159584142	1.23392E-10	up-regulated gene
AC239799.1	ENSG00000276509	1.159564498	0.060471361	up-regulated gene
RNU6-969P	ENSG00000206627	1.159305901	0.079140661	up-regulated gene
SLC36A2	ENSG00000186335	1.159291347	0.053243784	up-regulated gene
AC104663.1	ENSG00000251081	1.159259451	0.30328414	up-regulated gene

AL590729.1	ENSG00000237934	1.159196326	0.004302354	up-regulated gene
ELOCP31	ENSG00000256021	1.159107226	0.120434963	up-regulated gene
AL360181.4	ENSG00000274685	1.159090519	0.033046299	up-regulated gene
Y_RNA	ENSG00000223188	1.159036199	0.145017206	up-regulated gene
AP003469.1	ENSG00000253355	1.158992698	0.075474676	up-regulated gene
CD274	ENSG00000120217	1.158943914	0.006065803	up-regulated gene
TBC1D7	ENSG00000145979	1.158876991	7.79868E-14	up-regulated gene
AL031009.1	ENSG00000278987	1.158865714	0.000233837	up-regulated gene
AC087636.1	ENSG00000258773	1.158813918	0.160736726	up-regulated gene
AC073316.2	ENSG00000231892	1.15878137	0.027130371	up-regulated gene
AP007216.2	ENSG00000260679	1.158593332	0.043515644	up-regulated gene
NAA40	ENSG00000110583	1.158532905	2.02855E-19	up-regulated gene
AC013564.1	ENSG00000274995	1.158232649	0.305981552	up-regulated gene
BX322639.1	ENSG00000215146	1.157875817	0.00435421	up-regulated gene
AC034102.8	ENSG00000273890	1.157830563	0.011528998	up-regulated gene
AL391994.1	ENSG00000227962	1.157687524	0.016449078	up-regulated gene
AC010538.1	ENSG00000275734	1.157588568	0.000344846	up-regulated gene
AL512506.1	ENSG00000274001	1.157556406	0.011570736	up-regulated gene
GABRR1	ENSG00000146276	1.157531225	0.064842348	up-regulated gene
INTS9-AS1	ENSG00000254034	1.157324387	0.040859229	up-regulated gene
BCL9P1	ENSG00000249238	1.157081031	0.138137592	up-regulated gene
FRMPD2B	ENSG00000150175	1.156922001	0.143930888	up-regulated gene
AC036222.1	ENSG00000264451	1.156908453	0.135205401	up-regulated gene
GAPDHP22	ENSG00000234005	1.156896867	0.014828484	up-regulated gene
ADAM21P1	ENSG00000235812	1.156773696	0.095668867	up-regulated gene
C2orf27AP1	ENSG00000273693	1.15663451	0.255944909	up-regulated gene
AC008060.4	ENSG00000260426	1.156475915	0.429891043	up-regulated gene
KRT18P35	ENSG00000215606	1.156473422	0.044851697	up-regulated gene
CD3EAP	ENSG00000117877	1.156446034	2.63282E-11	up-regulated gene
STAG3L5P	ENSG00000242294	1.156363175	2.50054E-07	up-regulated gene
AP005436.3	ENSG00000255516	1.156274644	0.2083144	up-regulated gene
ABCB9	ENSG00000150967	1.156055393	4.20181E-11	up-regulated gene
E2F3	ENSG00000112242	1.156010615	1.22098E-05	up-regulated gene
DPPA5	ENSG00000203909	1.155853688	0.406682213	up-regulated gene
AC069228.1	ENSG00000258162	1.155751128	0.384556932	up-regulated gene
RN7SKP150	ENSG00000222448	1.155718418	0.009140704	up-regulated gene
MAP3K21	ENSG00000143674	1.155675549	2.56829E-05	up-regulated gene
AC025031.5	ENSG00000278896	1.155593704	0.027429741	up-regulated gene
AC008875.1	ENSG00000271788	1.155568683	0.000144587	up-regulated gene
AC008115.2	ENSG00000257004	1.155546925	0.058472207	up-regulated gene
USF1P1	ENSG00000226501	1.155396113	0.130325085	up-regulated gene
REEP6	ENSG00000115255	1.155392123	0.00390041	up-regulated gene
AC004923.4	ENSG00000255306	1.155383661	5.49028E-05	up-regulated gene
KAT2A	ENSG00000108773	1.155275557	3.15924E-13	up-regulated gene
LINC02088	ENSG00000227685	1.155264966	0.48934049	up-regulated gene
RPS2P32	ENSG00000232818	1.154742725	0.000176327	up-regulated gene
RHBDL1	ENSG00000103269	1.154610427	0.000131824	up-regulated gene
AC087277.1	ENSG00000254566	1.154583712	0.406127921	up-regulated gene
LACTB2-AS1	ENSG00000246366	1.154443745	0.000332917	up-regulated gene

AL391903.1	ENSG00000218809	1.154400254	0.186168719	up-regulated gene
BUD31P2	ENSG00000229661	1.153989615	0.049848529	up-regulated gene
DDX60L	ENSG00000181381	1.153960599	1.33235E-05	up-regulated gene
ZNF367	ENSG00000165244	1.153909749	8.16833E-07	up-regulated gene
AC091614.1	ENSG00000272094	1.153883885	0.090612331	up-regulated gene
AP001625.2	ENSG00000235772	1.153823093	0.003713161	up-regulated gene
AC116348.3	ENSG00000261346	1.153661542	0.181543531	up-regulated gene
AC002306.1	ENSG00000259242	1.153583357	0.020204704	up-regulated gene
ZNF600	ENSG00000189190	1.15348277	6.026E-08	up-regulated gene
AC010632.2	ENSG00000267672	1.153271417	0.03860395	up-regulated gene
RNU1-20P	ENSG00000200184	1.153259191	0.151682117	up-regulated gene
GDPD2	ENSG00000130055	1.153223395	0.038208188	up-regulated gene
HMG1P8	ENSG00000241120	1.153152996	0.050292874	up-regulated gene
AC025857.2	ENSG00000269899	1.15311802	1.06582E-05	up-regulated gene
AP001001.1	ENSG00000254433	1.152937985	0.000146281	up-regulated gene
AL512652.1	ENSG00000275485	1.15273262	0.000224118	up-regulated gene
MCOLN3	ENSG00000055732	1.152597023	0.016774519	up-regulated gene
OR8D1	ENSG00000196341	1.152588899	0.294849156	up-regulated gene
KCND2	ENSG00000184408	1.152551704	0.001927997	up-regulated gene
LINC02669	ENSG00000233321	1.152460688	0.117045894	up-regulated gene
PRR7	ENSG00000131188	1.152349145	7.53813E-06	up-regulated gene
AL365436.3	ENSG00000252840	1.15227502	0.099074351	up-regulated gene
AC007620.3	ENSG00000272699	1.152124212	0.019740034	up-regulated gene
RPL26P13	ENSG00000213495	1.151887505	0.133483054	up-regulated gene
AC093155.2	ENSG00000235251	1.151779972	0.097303546	up-regulated gene
RFC3	ENSG00000133119	1.1514949	5.07044E-09	up-regulated gene
IGLV3-27	ENSG00000211658	1.151453332	0.091240609	up-regulated gene
GCNT2P1	ENSG00000205318	1.151397516	0.112324026	up-regulated gene
AC006206.1	ENSG00000256146	1.151314026	0.163386319	up-regulated gene
TUBBP9	ENSG00000220586	1.151191996	0.129908463	up-regulated gene
AC080013.3	ENSG00000271778	1.151056582	0.000292714	up-regulated gene
PMEPA1	ENSG00000124225	1.150720635	0.001242761	up-regulated gene
SMCR2	ENSG00000223979	1.150624598	0.003483183	up-regulated gene
AC103810.5	ENSG00000266644	1.150588177	0.030912746	up-regulated gene
AC144652.1	ENSG00000273117	1.150491572	7.59809E-06	up-regulated gene
AC008794.1	ENSG00000267599	1.150462216	0.466962636	up-regulated gene
KRT18P41	ENSG00000253219	1.150423221	0.074540357	up-regulated gene
SEPTIN7P1	ENSG00000259090	1.150400465	0.124065373	up-regulated gene
MYG1-AS1	ENSG00000257605	1.150359395	1.623E-08	up-regulated gene
RSRP1	ENSG00000117616	1.150357623	6.81383E-09	up-regulated gene
LAIR2	ENSG00000167618	1.150217162	0.015581243	up-regulated gene
AC007431.3	ENSG00000280028	1.150119906	0.15905863	up-regulated gene
RNU6-558P	ENSG00000201382	1.150008842	0.147821753	up-regulated gene
ZBTB8B	ENSG00000273274	1.149833849	0.012519794	up-regulated gene
HTN1	ENSG00000126550	1.149610933	0.509518621	up-regulated gene
UBE2L4	ENSG00000267741	1.14932845	0.002329757	up-regulated gene
TANC2	ENSG00000170921	1.148806427	1.57608E-07	up-regulated gene
AC009220.1	ENSG00000228360	1.148691303	0.006218172	up-regulated gene
CSN3	ENSG00000171209	1.1485082	0.445253022	up-regulated gene

AP001052.1	ENSG00000281420	1.14850736	0.000521607	up-regulated gene
PADI2	ENSG00000117115	1.148454429	0.002921744	up-regulated gene
CACYBPP1	ENSG00000225928	1.148089602	0.074198711	up-regulated gene
OR52K3P	ENSG00000225101	1.148078618	0.041321118	up-regulated gene
AC005697.2	ENSG00000266527	1.148063283	0.044471278	up-regulated gene
Metazoa_SRP	ENSG00000278700	1.147855526	0.01107255	up-regulated gene
ADGRD1-AS1	ENSG00000256151	1.147706296	0.370655808	up-regulated gene
LINC02128	ENSG00000261241	1.147698834	0.249894964	up-regulated gene
AC010201.2	ENSG00000271327	1.147528115	0.000305167	up-regulated gene
MS4A14	ENSG00000166928	1.147479802	0.001412759	up-regulated gene
MRPL20-DT	ENSG00000272455	1.147268351	1.08617E-09	up-regulated gene
FMO3	ENSG00000007933	1.147203901	0.012088022	up-regulated gene
RN7SL513P	ENSG00000239821	1.147118295	0.112048971	up-regulated gene
AC083822.1	ENSG00000226345	1.146914785	0.090247365	up-regulated gene
AC117503.2	ENSG00000278861	1.146666484	0.003123039	up-regulated gene
ACRBP	ENSG00000111644	1.146505309	4.10818E-05	up-regulated gene
CALML6	ENSG00000169885	1.146328636	0.002965141	up-regulated gene
FOXS1	ENSG00000179772	1.146288625	0.000143215	up-regulated gene
AC034229.2	ENSG00000260515	1.14605048	0.116977547	up-regulated gene
AC145285.6	ENSG00000275807	1.145794186	1.30528E-06	up-regulated gene
DUX4L26	ENSG00000236138	1.145581105	0.009073548	up-regulated gene
HECW1	ENSG00000002746	1.144827964	0.005790081	up-regulated gene
RPS3AP38	ENSG00000226318	1.144774375	0.002597684	up-regulated gene
ALOX15	ENSG00000161905	1.144232711	0.013357738	up-regulated gene
AP001434.1	ENSG00000226012	1.144185738	0.003482983	up-regulated gene
KIF22	ENSG00000079616	1.144052309	5.28309E-11	up-regulated gene
CSF2RBP1	ENSG00000232254	1.144036056	0.274849337	up-regulated gene
ELFN2	ENSG00000243902	1.143840537	0.209211362	up-regulated gene
Z69720.1	ENSG00000269482	1.143302584	0.042923495	up-regulated gene
AC009171.2	ENSG00000263105	1.143273122	0.000514073	up-regulated gene
AC007688.3	ENSG00000256011	1.14324753	0.112634413	up-regulated gene
SLC4A11	ENSG00000088836	1.143202303	0.000633449	up-regulated gene
CBY2	ENSG00000174015	1.143195338	0.004802192	up-regulated gene
CBX3P1	ENSG00000177447	1.143110287	0.082221057	up-regulated gene
AC008434.1	ENSG00000249655	1.142979203	0.014343703	up-regulated gene
RN7SL789P	ENSG00000242436	1.142667763	0.172913585	up-regulated gene
LINC00492	ENSG00000250958	1.142632334	0.138567775	up-regulated gene
AC008635.2	ENSG00000269487	1.142514363	0.01240881	up-regulated gene
CYP4F3	ENSG00000186529	1.142375231	0.032821753	up-regulated gene
AC023794.4	ENSG00000257534	1.142326787	0.040341852	up-regulated gene
DNAH17	ENSG00000187775	1.14230461	7.37693E-05	up-regulated gene
AC079336.2	ENSG00000265222	1.141928823	0.000785141	up-regulated gene
DPY19L2P1	ENSG00000189212	1.141919506	0.028322006	up-regulated gene
LINC00866	ENSG00000227356	1.141819713	0.121402765	up-regulated gene
ANGPTL3	ENSG00000132855	1.14172221	0.005501809	up-regulated gene
RCC2P4	ENSG00000249558	1.141531529	0.359020041	up-regulated gene
CD80	ENSG00000121594	1.141502136	0.006418798	up-regulated gene
AC005954.1	ENSG00000267138	1.141501799	0.010945531	up-regulated gene
HTRA4	ENSG00000169495	1.141395593	0.004725529	up-regulated gene

MIA	ENSG00000261857	1.141106553	0.048693576	up-regulated gene
SPINT1	ENSG00000166145	1.140928852	4.17733E-06	up-regulated gene
AXDND1	ENSG00000162779	1.140857989	0.046977083	up-regulated gene
AC040904.1	ENSG00000267637	1.140828862	0.022960375	up-regulated gene
CARMIL3	ENSG00000186648	1.140819831	0.000960838	up-regulated gene
IGHV1OR15-2	ENSG00000259337	1.140814914	0.095030136	up-regulated gene
HMGB1P24	ENSG00000275029	1.140654338	0.001365755	up-regulated gene
RNU6-80P	ENSG00000206922	1.140495317	0.06309793	up-regulated gene
AC034231.1	ENSG00000249572	1.140216614	1.09352E-05	up-regulated gene
XRCC3	ENSG00000126215	1.140154903	1.71559E-12	up-regulated gene
AL592494.2	ENSG00000272583	1.139988575	0.043603167	up-regulated gene
CYTOR	ENSG00000222041	1.139928136	0.000896253	up-regulated gene
RN7SKP269	ENSG00000202415	1.139896602	0.002413032	up-regulated gene
C17orf99	ENSG00000187997	1.13989283	0.005302664	up-regulated gene
AL592494.1	ENSG00000228826	1.139744799	0.234508268	up-regulated gene
AC073046.1	ENSG00000235499	1.13970201	0.000550347	up-regulated gene
TBX15	ENSG00000092607	1.139691234	0.004875653	up-regulated gene
HEPACAM2	ENSG00000188175	1.139644934	0.1178944	up-regulated gene
AC026254.2	ENSG00000266313	1.13944997	0.002462304	up-regulated gene
ARPC3P2	ENSG00000238137	1.139349922	0.010236267	up-regulated gene
PSPC1-AS2	ENSG00000226352	1.139155191	1.53181E-05	up-regulated gene
PCDHA12	ENSG00000251664	1.139096742	0.124207106	up-regulated gene
AL445189.2	ENSG00000228834	1.139017766	0.048436491	up-regulated gene
OFD1P17	ENSG00000228212	1.138985404	0.029490738	up-regulated gene
AC009646.2	ENSG00000254687	1.138966449	0.279839767	up-regulated gene
KRT18P22	ENSG00000218153	1.138938238	0.04679467	up-regulated gene
RNU12-2P	ENSG00000201659	1.138916257	0.059490361	up-regulated gene
OR8R1P	ENSG00000256347	1.138891009	0.076908546	up-regulated gene
AC139718.2	ENSG00000250855	1.138829465	0.419865368	up-regulated gene
AC100774.1	ENSG00000261529	1.138812555	0.049267542	up-regulated gene
HSPA6	ENSG00000173110	1.138667788	0.002321212	up-regulated gene
HMGB1P51	ENSG00000270986	1.138417658	0.047404494	up-regulated gene
AL353150.1	ENSG00000224945	1.13823415	0.003724924	up-regulated gene
EPOP	ENSG00000273604	1.138203721	0.00011914	up-regulated gene
AC253576.2	ENSG00000275426	1.138105524	0.000498235	up-regulated gene
MIR3131	ENSG00000264755	1.137761354	0.426705847	up-regulated gene
AC092828.1	ENSG00000253284	1.137662174	0.00065472	up-regulated gene
PLEK2	ENSG00000100558	1.137657372	0.000339688	up-regulated gene
TEX47	ENSG00000164645	1.137181269	0.361619274	up-regulated gene
RAD9A	ENSG00000172613	1.137117927	2.26213E-09	up-regulated gene
AL662791.2	ENSG00000277661	1.137078253	0.281357821	up-regulated gene
AC068134.1	ENSG00000224516	1.137049559	0.390523738	up-regulated gene
AC078993.1	ENSG00000238178	1.137027662	0.034645852	up-regulated gene
CTAGE9	ENSG00000236761	1.136823782	0.020256413	up-regulated gene
CEP83-DT	ENSG00000278916	1.136743341	5.38386E-06	up-regulated gene
AL365181.3	ENSG00000272405	1.136522647	0.006684524	up-regulated gene
AL078644.1	ENSG00000273004	1.136517597	2.76648E-06	up-regulated gene
PKIA-AS1	ENSG00000254266	1.136480895	0.008494143	up-regulated gene
ZNF257	ENSG00000197134	1.13639349	0.004687554	up-regulated gene

CUBNP3	ENSG00000235690	1.13628541	0.26688409	up-regulated gene
AC012640.2	ENSG00000259802	1.136212728	6.73943E-08	up-regulated gene
SEC23A-AS1	ENSG00000258651	1.136194594	0.048404754	up-regulated gene
CHRNA5	ENSG00000169684	1.136052903	3.33541E-08	up-regulated gene
KIF3C	ENSG00000084731	1.135870843	4.63161E-08	up-regulated gene
MIR3619	ENSG00000266533	1.13586258	0.23808565	up-regulated gene
KRT8P18	ENSG00000228767	1.13583557	0.009415754	up-regulated gene
S100A2	ENSG00000196754	1.135759106	0.036889814	up-regulated gene
AP002490.2	ENSG00000255296	1.135651277	0.203890863	up-regulated gene
HEBP2P1	ENSG00000235548	1.135522524	0.150710757	up-regulated gene
AL121970.1	ENSG00000236389	1.135405198	0.225613305	up-regulated gene
AC009948.3	ENSG00000279598	1.135348039	0.096455796	up-regulated gene
CCDC34	ENSG00000109881	1.135215127	1.07831E-09	up-regulated gene
AC105935.2	ENSG00000230698	1.135009277	0.097584393	up-regulated gene
NQO1	ENSG00000181019	1.134853437	0.000473661	up-regulated gene
IGHV4-61	ENSG00000211970	1.1346374	0.078865214	up-regulated gene
AC005102.1	ENSG00000219039	1.134585948	0.083629675	up-regulated gene
ADCY10P1	ENSG00000161912	1.134476621	0.00034442	up-regulated gene
PROSER2-AS1	ENSG00000225778	1.134319513	0.000540096	up-regulated gene
Z82195.2	ENSG00000274775	1.134168588	0.058145274	up-regulated gene
AC134026.2	ENSG00000279305	1.134150865	0.276472701	up-regulated gene
AC008731.1	ENSG00000261669	1.134143909	0.007398149	up-regulated gene
AC002310.3	ENSG00000260494	1.134065154	0.012642539	up-regulated gene
SNHG10	ENSG00000247092	1.134029852	5.12402E-09	up-regulated gene
TFAP4	ENSG00000090447	1.133956885	4.77545E-14	up-regulated gene
AC093904.2	ENSG00000242136	1.13385769	0.02861673	up-regulated gene
AC112512.1	ENSG00000214773	1.133775745	0.032578305	up-regulated gene
XAF1	ENSG00000132530	1.133033705	0.001483865	up-regulated gene
AC022211.2	ENSG00000263843	1.133016555	2.27906E-09	up-regulated gene
AC093904.4	ENSG00000261104	1.132921191	0.01896092	up-regulated gene
SAPCD2P3	ENSG00000232491	1.132894749	0.032695029	up-regulated gene
B4GALT3	ENSG00000158850	1.132665508	3.31444E-09	up-regulated gene
ITGA3	ENSG00000005884	1.132655888	0.000323722	up-regulated gene
Z98742.3	ENSG00000238055	1.1325285	0.071733662	up-regulated gene
MIR7856	ENSG00000278281	1.132388996	0.029553829	up-regulated gene
XYLB	ENSG00000093217	1.132374452	8.10943E-07	up-regulated gene
AC080129.2	ENSG00000232874	1.132347663	0.000978192	up-regulated gene
RNU6-909P	ENSG00000252867	1.132210723	0.536944755	up-regulated gene
TLR2	ENSG00000137462	1.132145377	0.000360263	up-regulated gene
AL354977.1	ENSG00000226669	1.132063654	0.038841391	up-regulated gene
AL356320.2	ENSG00000237329	1.132002302	0.117737673	up-regulated gene
PPIAP59	ENSG00000228674	1.131924041	0.098567456	up-regulated gene
AC011773.4	ENSG00000260493	1.131788348	0.006600962	up-regulated gene
AC073320.1	ENSG00000244036	1.131701128	0.019379658	up-regulated gene
DRICH1	ENSG00000189269	1.131685704	0.00179856	up-regulated gene
LINC02542	ENSG00000226453	1.131683564	0.001707172	up-regulated gene
HMGA1	ENSG00000137309	1.131683383	1.30868E-06	up-regulated gene
TSPAN10	ENSG00000182612	1.131343595	0.000210557	up-regulated gene
AC008738.2	ENSG00000267130	1.131337061	0.007849996	up-regulated gene

XGY1	ENSG00000227447	1.130788188	0.447029407	up-regulated gene
PAX8-AS1	ENSG00000189223	1.130744273	0.006587199	up-regulated gene
GUCY2D	ENSG00000132518	1.130726006	0.010216477	up-regulated gene
CDCP1	ENSG00000163814	1.130654904	2.79288E-05	up-regulated gene
SNORD94	ENSG00000208772	1.130234338	0.00055536	up-regulated gene
LY6E-DT	ENSG00000247317	1.130213102	0.008654139	up-regulated gene
AP000346.3	ENSG00000275609	1.129961649	0.087496153	up-regulated gene
AL360270.2	ENSG00000261654	1.129843549	7.15289E-05	up-regulated gene
ASCL1	ENSG00000139352	1.129706847	0.111583271	up-regulated gene
AC087667.1	ENSG00000244791	1.129672963	0.023514366	up-regulated gene
GAPDHP20	ENSG00000224333	1.129524338	0.080951892	up-regulated gene
LINC01423	ENSG00000231231	1.129495008	0.095706721	up-regulated gene
AC010336.2	ENSG00000260500	1.129493213	0.006635596	up-regulated gene
IL4I1	ENSG00000104951	1.129458429	0.004849855	up-regulated gene
AC097059.1	ENSG00000236098	1.129362565	0.141220495	up-regulated gene
PTTG3P	ENSG00000213005	1.129340484	0.116405565	up-regulated gene
AL160175.1	ENSG00000230801	1.129178804	0.112480983	up-regulated gene
AC106754.1	ENSG00000260761	1.128950647	0.266952028	up-regulated gene
CHMP4C	ENSG00000164695	1.128923091	2.9774E-06	up-regulated gene
AC092447.7	ENSG00000237268	1.128822681	0.399612775	up-regulated gene
AC021237.1	ENSG00000250267	1.128471602	0.265672079	up-regulated gene
AC010973.1	ENSG00000243433	1.12841006	0.00310012	up-regulated gene
PLAG1	ENSG00000181690	1.128280662	0.000588775	up-regulated gene
LRRIQ1	ENSG00000133640	1.128249707	0.025631993	up-regulated gene
AC105036.1	ENSG00000259931	1.12802483	0.0762367	up-regulated gene
HSPE1P5	ENSG00000261395	1.127946569	0.05600302	up-regulated gene
RNASEH1P2	ENSG00000231458	1.127897908	0.109439885	up-regulated gene
PCK2	ENSG00000100889	1.127871248	5.89139E-10	up-regulated gene
OR7E38P	ENSG00000183444	1.127708399	1.49271E-08	up-regulated gene
LINC01176	ENSG00000281404	1.12765785	4.82528E-05	up-regulated gene
CEP85	ENSG00000130695	1.127593392	1.71918E-10	up-regulated gene
FBXO6	ENSG00000116663	1.127529804	5.25702E-09	up-regulated gene
SRD5A1	ENSG00000145545	1.127292523	2.43789E-06	up-regulated gene
PCNPP1	ENSG00000258359	1.127280471	2.44375E-05	up-regulated gene
PPIAP42	ENSG00000213592	1.127270417	0.004349408	up-regulated gene
AC020910.4	ENSG00000271049	1.127111514	0.063263526	up-regulated gene
AL136987.1	ENSG00000236069	1.127016028	0.102632194	up-regulated gene
AL359922.2	ENSG00000265194	1.126735982	0.016653395	up-regulated gene
RAP1GAP	ENSG00000076864	1.126714086	0.002690281	up-regulated gene
AL513318.2	ENSG00000269994	1.126648523	0.034184636	up-regulated gene
YEATS4	ENSG00000127337	1.126537408	4.13096E-06	up-regulated gene
AP001610.3	ENSG00000232806	1.126441293	0.318599659	up-regulated gene
SETP1	ENSG00000258863	1.126233727	0.08312822	up-regulated gene
AL122125.1	ENSG00000277050	1.126118084	0.000209524	up-regulated gene
MOGS	ENSG00000115275	1.126074788	2.9644E-21	up-regulated gene
PLCH1	ENSG00000114805	1.125983848	0.00796877	up-regulated gene
MCF2L-AS1	ENSG00000235280	1.125841185	0.020551783	up-regulated gene
MIR1289-1	ENSG00000221763	1.125827921	0.174048085	up-regulated gene
AC023794.5	ENSG00000260470	1.125462077	0.014959417	up-regulated gene

RSPH6A	ENSG00000104941	1.125454327	0.07568298	up-regulated gene
RNU5A-1	ENSG00000199568	1.125096452	0.08125897	up-regulated gene
TMC5	ENSG00000103534	1.125076043	0.014511776	up-regulated gene
CAMK2N1	ENSG00000162545	1.124814742	0.000634614	up-regulated gene
RN7SL665P	ENSG00000264169	1.124719311	0.172983665	up-regulated gene
GTF2IRD1P1	ENSG00000230583	1.124663619	0.005349801	up-regulated gene
INSRR	ENSG00000027644	1.124527993	0.065916897	up-regulated gene
AC133785.1	ENSG00000233221	1.12445905	0.048118508	up-regulated gene
AC007922.2	ENSG00000265094	1.124400266	0.083194101	up-regulated gene
AL390879.1	ENSG00000234062	1.12427632	2.50572E-07	up-regulated gene
AC087639.1	ENSG00000259286	1.124261829	0.037036738	up-regulated gene
MAP6D1	ENSG00000180834	1.124058673	1.77437E-07	up-regulated gene
ZWILCH	ENSG00000174442	1.123991469	5.89046E-16	up-regulated gene
GABRB1	ENSG00000163288	1.123760632	0.203153507	up-regulated gene
AC006504.3	ENSG00000267264	1.123675357	0.002789283	up-regulated gene
AC025161.1	ENSG00000257199	1.123665808	0.003111799	up-regulated gene
GLRA1	ENSG00000145888	1.123641808	0.13699515	up-regulated gene
ZNF479	ENSG00000185177	1.123546629	0.494606832	up-regulated gene
SLC25A10	ENSG00000183048	1.123526122	5.6593E-06	up-regulated gene
SNORD15B	ENSG00000207445	1.123507499	0.001934043	up-regulated gene
AC116407.3	ENSG00000280020	1.123484563	0.000199109	up-regulated gene
PLA2G15	ENSG00000103066	1.123185729	1.38986E-11	up-regulated gene
NCAPD2	ENSG00000010292	1.123093765	4.74912E-10	up-regulated gene
BMP6P1	ENSG00000236323	1.123080007	0.611724105	up-regulated gene
AC116407.4	ENSG00000280033	1.122915206	8.18253E-05	up-regulated gene
FAM83A	ENSG00000147689	1.122859457	0.031980093	up-regulated gene
AC016644.1	ENSG00000235635	1.122697731	0.130987602	up-regulated gene
MBOAT7	ENSG00000125505	1.122616537	3.84615E-09	up-regulated gene
AC037479.1	ENSG00000259257	1.122608623	0.152544272	up-regulated gene
AC091516.1	ENSG00000257752	1.122490379	0.021356584	up-regulated gene
RACGAP1	ENSG00000161800	1.122483511	2.65818E-08	up-regulated gene
MIR1915	ENSG00000222071	1.121965658	0.156479912	up-regulated gene
UTS2	ENSG00000049247	1.121752448	0.036205617	up-regulated gene
GNRH2	ENSG00000125787	1.121163087	0.002451466	up-regulated gene
AC011479.1	ENSG00000267748	1.120960212	0.007358682	up-regulated gene
AC121338.2	ENSG00000278385	1.120813936	0.000724842	up-regulated gene
AP000977.1	ENSG00000246790	1.120507367	0.040580371	up-regulated gene
AP006621.2	ENSG00000255142	1.12049507	0.000366979	up-regulated gene
AC080128.1	ENSG00000244062	1.120169049	0.450426001	up-regulated gene
Y_RNA	ENSG00000200888	1.120046493	0.187989124	up-regulated gene
KRT72	ENSG00000170486	1.11996215	0.094947634	up-regulated gene
AL591623.2	ENSG00000228955	1.119876726	0.077162342	up-regulated gene
MGME1	ENSG00000125871	1.119751473	1.21635E-18	up-regulated gene
LRRC37A15P	ENSG00000230069	1.11966864	0.003435663	up-regulated gene
AC009779.4	ENSG00000258907	1.119665123	0.118849754	up-regulated gene
AC012506.4	ENSG00000235497	1.119570821	0.133387912	up-regulated gene
AC096996.2	ENSG00000261538	1.119511875	0.149548811	up-regulated gene
AC093599.1	ENSG00000249022	1.119482502	0.128849263	up-regulated gene
AC139491.3	ENSG00000250992	1.119338822	0.587453835	up-regulated gene

CCDC68	ENSG00000166510	1.119213387	0.000569336	up-regulated gene
SLC44A3-AS1	ENSG00000224081	1.11920235	2.48415E-05	up-regulated gene
AC015712.4	ENSG00000259604	1.118868013	0.190394457	up-regulated gene
LY6D	ENSG00000167656	1.118645271	0.083147279	up-regulated gene
PDXK	ENSG00000160209	1.118640023	2.11015E-11	up-regulated gene
PGAM1P4	ENSG00000214041	1.118613151	0.126592481	up-regulated gene
AC104170.1	ENSG00000238140	1.118596214	0.004388141	up-regulated gene
DCST2	ENSG00000163354	1.118539227	0.000114906	up-regulated gene
AC006566.1	ENSG00000273368	1.118403619	0.00673555	up-regulated gene
KIAA1841	ENSG00000162929	1.118390862	1.08265E-11	up-regulated gene
HMHB1	ENSG00000158497	1.118276562	0.104666835	up-regulated gene
ADCY6-DT	ENSG00000257660	1.118104933	0.003546678	up-regulated gene
AC104791.1	ENSG00000251687	1.118081478	0.095423094	up-regulated gene
AC023825.2	ENSG00000260145	1.117829352	0.016906909	up-regulated gene
ARHGFE9-IT1	ENSG00000231729	1.117737236	0.071293682	up-regulated gene
MIR3198-1	ENSG00000264757	1.117687885	0.194339957	up-regulated gene
WWC2-AS1	ENSG00000251128	1.1176198	0.266171762	up-regulated gene
CELA3A	ENSG00000142789	1.117562907	0.301066046	up-regulated gene
NAT14	ENSG00000090971	1.117487178	1.69178E-06	up-regulated gene
SLC6A8	ENSG00000130821	1.117428696	0.000732668	up-regulated gene
LINC01283	ENSG00000234191	1.117093327	0.130140981	up-regulated gene
SLC9C1	ENSG00000172139	1.117067394	0.001112043	up-regulated gene
LINC02804	ENSG00000274372	1.11695618	0.00783368	up-regulated gene
LMNB2	ENSG00000176619	1.116954827	1.62397E-10	up-regulated gene
Y_RNA	ENSG00000274967	1.11685695	0.061943408	up-regulated gene
AC092647.5	ENSG00000249773	1.116841281	0.008876244	up-regulated gene
CXXC4-AS1	ENSG00000245384	1.116817879	0.117639762	up-regulated gene
ODAM	ENSG00000109205	1.116771085	0.089965666	up-regulated gene
AC144450.1	ENSG00000203635	1.116680103	0.307128365	up-regulated gene
AC246680.1	ENSG00000230186	1.116584966	0.279964319	up-regulated gene
AC099506.1	ENSG00000260862	1.116540316	0.235555095	up-regulated gene
ATP6V1G1P2	ENSG00000253502	1.116337229	0.129085475	up-regulated gene
LGALS9C	ENSG00000171916	1.116336133	0.051335058	up-regulated gene
SNORA84	ENSG00000239183	1.116304674	0.192383158	up-regulated gene
RPS12P17	ENSG00000233163	1.116110339	0.119254449	up-regulated gene
YIF1B	ENSG00000167645	1.116043469	2.57172E-10	up-regulated gene
HNF1B	ENSG00000275410	1.115852072	0.043220821	up-regulated gene
AC068491.3	ENSG00000270190	1.115826616	0.130838333	up-regulated gene
AC012506.3	ENSG00000233714	1.115598952	0.282751234	up-regulated gene
AC067751.1	ENSG00000238280	1.115515658	0.018490893	up-regulated gene
UBALD2	ENSG00000185262	1.115475968	9.22493E-09	up-regulated gene
AC009061.1	ENSG00000261320	1.115472982	0.066386338	up-regulated gene
TRBV30	ENSG00000237254	1.115311098	0.041065403	up-regulated gene
AC079915.1	ENSG00000266371	1.115096227	0.017736716	up-regulated gene
ACTL6A	ENSG00000136518	1.115079418	2.10483E-17	up-regulated gene
AC008592.1	ENSG00000250362	1.115048464	0.032018095	up-regulated gene
PFDN2	ENSG00000143256	1.115003863	3.59866E-08	up-regulated gene
AC098934.3	ENSG00000260021	1.114634586	0.07102775	up-regulated gene
AC105384.2	ENSG00000250815	1.114256853	0.037389782	up-regulated gene

IL22RA1	ENSG00000142677	1.113876606	0.001386661	up-regulated gene
PCGF2	ENSG00000277258	1.113735343	1.3472E-09	up-regulated gene
CLEC7A	ENSG00000172243	1.113434615	0.003171672	up-regulated gene
AC008750.3	ENSG00000267984	1.113332499	0.064097346	up-regulated gene
AC243964.2	ENSG00000252200	1.113267957	0.121577477	up-regulated gene
AC105245.1	ENSG00000266479	1.112969391	0.313324372	up-regulated gene
AL162431.1	ENSG00000243155	1.11246232	1.05938E-05	up-regulated gene
LBX2-AS1	ENSG00000257702	1.112186228	5.61925E-07	up-regulated gene
AL022393.1	ENSG00000280107	1.112007342	0.005436996	up-regulated gene
ADAMTS14	ENSG00000138316	1.112001942	0.00454293	up-regulated gene
LRRIQ3	ENSG00000162620	1.111682098	6.93229E-06	up-regulated gene
AC009163.6	ENSG00000273971	1.111578985	0.091114283	up-regulated gene
LINC02118	ENSG00000248789	1.111510666	0.480256289	up-regulated gene
FDPSP3	ENSG00000258872	1.111477525	0.11013624	up-regulated gene
BBC3	ENSG00000105327	1.111368799	7.17683E-08	up-regulated gene
CDC25B	ENSG00000101224	1.111341293	8.08184E-05	up-regulated gene
AC026412.2	ENSG00000232615	1.111054195	0.008124315	up-regulated gene
KLHDC8A	ENSG00000162873	1.11100889	0.001330423	up-regulated gene
PFDN6	ENSG00000204220	1.110760754	6.51943E-12	up-regulated gene
AL109763.1	ENSG00000228708	1.110724478	0.360083232	up-regulated gene
FBXL8	ENSG00000135722	1.110610005	2.6857E-09	up-regulated gene
AC125494.1	ENSG00000219410	1.110592429	9.43832E-05	up-regulated gene
LINC00581	ENSG00000280989	1.11049593	0.354495378	up-regulated gene
AC027338.2	ENSG00000249857	1.110395227	0.214144688	up-regulated gene
OGFRP1	ENSG00000182057	1.110352647	2.45343E-06	up-regulated gene
TNFRSF25	ENSG00000215788	1.11009404	3.51929E-07	up-regulated gene
NECTIN4	ENSG00000143217	1.110051646	0.001180837	up-regulated gene
AL449212.1	ENSG00000244932	1.110029524	1.81287E-05	up-regulated gene
AC073863.1	ENSG00000257359	1.109533825	0.151522059	up-regulated gene
ELK2BP	ENSG00000234402	1.109401639	0.321225306	up-regulated gene
AC072062.1	ENSG00000227769	1.10935586	0.05688601	up-regulated gene
LINC01549	ENSG00000232560	1.109335673	0.068025296	up-regulated gene
ZNF85	ENSG00000105750	1.109310344	2.44208E-06	up-regulated gene
ANKRD20A7P	ENSG00000236816	1.109275731	0.266886012	up-regulated gene
FAM25A	ENSG00000188100	1.109246568	0.068308567	up-regulated gene
AL023803.1	ENSG00000261431	1.109149987	0.007151102	up-regulated gene
NXF3	ENSG00000147206	1.109132636	0.016678195	up-regulated gene
KNOP1	ENSG00000103550	1.109102285	1.22732E-16	up-regulated gene
AL033380.1	ENSG00000226454	1.109060878	0.292499791	up-regulated gene
MTCP1	ENSG00000214827	1.109031816	1.22207E-06	up-regulated gene
GLOD5	ENSG00000171433	1.108852661	0.003733686	up-regulated gene
AC010642.1	ENSG00000269794	1.108841689	0.01647506	up-regulated gene
AC011479.2	ENSG00000268499	1.108799972	0.005309219	up-regulated gene
BLOC1S3	ENSG00000189114	1.108798921	2.31218E-14	up-regulated gene
AC044781.1	ENSG00000229751	1.10875918	0.198377099	up-regulated gene
AC089987.2	ENSG00000258121	1.108662146	0.231480005	up-regulated gene
RTL1	ENSG00000254656	1.108447733	0.280770756	up-regulated gene
DTYMK	ENSG00000168393	1.108392941	3.41245E-11	up-regulated gene
ZNF468	ENSG00000204604	1.108167574	4.90425E-09	up-regulated gene

AC005208.1	ENSG00000230258	1.108164778	0.515970169	up-regulated gene
SLC38A3	ENSG00000188338	1.108116188	0.02092565	up-regulated gene
NDUFA4L2	ENSG00000185633	1.107860117	0.015078078	up-regulated gene
NPHS2	ENSG00000116218	1.107846512	0.247445694	up-regulated gene
AP003170.5	ENSG00000257070	1.107825054	0.069928721	up-regulated gene
AC002545.1	ENSG00000267184	1.107654285	0.061383964	up-regulated gene
TFRC	ENSG00000072274	1.10759727	1.60307E-05	up-regulated gene
RNA5SP283	ENSG00000202474	1.107576724	2.71007E-05	up-regulated gene
PRSS30P	ENSG00000172460	1.106946512	0.007249349	up-regulated gene
AC010255.2	ENSG00000249610	1.106818022	0.058583452	up-regulated gene
RRN3P4	ENSG00000229781	1.106785172	0.081171626	up-regulated gene
AC020612.1	ENSG00000257243	1.106746857	0.002713484	up-regulated gene
AP003072.2	ENSG00000255445	1.106731289	0.006322981	up-regulated gene
KRT10	ENSG00000186395	1.106626644	0.00013182	up-regulated gene
TYRO3P	ENSG00000259581	1.106485567	0.020008113	up-regulated gene
AL137000.1	ENSG00000274351	1.106371433	0.090083712	up-regulated gene
LINC02604	ENSG00000273142	1.106312973	5.05425E-06	up-regulated gene
PDHA1P1	ENSG00000270772	1.106148021	0.111915156	up-regulated gene
AL139354.1	ENSG00000258845	1.106039849	0.090548601	up-regulated gene
H3C5P	ENSG00000277720	1.106007043	0.166365693	up-regulated gene
ZDHHC20-IT1	ENSG00000236953	1.10593916	0.005310438	up-regulated gene
UNC13A	ENSG00000130477	1.105803752	0.008750213	up-regulated gene
HYI-AS1	ENSG00000229348	1.105682411	5.82022E-05	up-regulated gene
AL353803.5	ENSG00000268615	1.105420885	0.061382008	up-regulated gene
OR13H1	ENSG00000171054	1.10533103	0.409669528	up-regulated gene
TUBBP6	ENSG00000235207	1.105195492	0.062479863	up-regulated gene
PLEKHF1	ENSG00000166289	1.105077258	0.000772137	up-regulated gene
IL27	ENSG00000197272	1.10505567	0.009963748	up-regulated gene
AP001160.2	ENSG00000267811	1.104889346	0.00036548	up-regulated gene
AP001972.4	ENSG00000255395	1.104810957	0.209528175	up-regulated gene
LINC00106	ENSG00000236871	1.104796735	0.000194891	up-regulated gene
AJUBA	ENSG00000129474	1.104789844	4.00757E-05	up-regulated gene
AL451074.2	ENSG00000215838	1.10478337	0.019170991	up-regulated gene
OSCAR	ENSG00000170909	1.10476737	0.002503263	up-regulated gene
RN7SL396P	ENSG00000244642	1.104485611	0.057872944	up-regulated gene
MX1	ENSG00000157601	1.104463242	0.000914474	up-regulated gene
AC009908.1	ENSG00000253513	1.104446523	0.064796736	up-regulated gene
AC023669.1	ENSG00000229459	1.104384346	0.198107995	up-regulated gene
LINC01856	ENSG00000237574	1.104279909	0.302273376	up-regulated gene
WDR4	ENSG00000160193	1.104261692	1.18728E-12	up-regulated gene
MIR621	ENSG00000207652	1.104195385	2.46808E-07	up-regulated gene
AC011120.1	ENSG00000264196	1.104145953	0.122427978	up-regulated gene
AL139132.1	ENSG00000232750	1.104138723	0.077484027	up-regulated gene
AL359976.1	ENSG00000230987	1.103896501	0.10898777	up-regulated gene
AL133243.1	ENSG00000274159	1.103869053	0.025828924	up-regulated gene
LINC02255	ENSG00000277718	1.103797853	0.105715755	up-regulated gene
LRRN1	ENSG00000175928	1.103746987	0.020911644	up-regulated gene
AL929601.2	ENSG00000258265	1.103721172	0.471441852	up-regulated gene
AC055736.1	ENSG00000257500	1.103689973	0.464102629	up-regulated gene

RFC5	ENSG00000111445	1.10354339	1.31E-14	up-regulated gene
HMGB3P14	ENSG00000231845	1.10352577	0.074686072	up-regulated gene
AC092933.1	ENSG00000213358	1.103344222	0.112545723	up-regulated gene
ACBD7	ENSG00000176244	1.103088812	0.004703913	up-regulated gene
STEAP3	ENSG00000115107	1.103081779	1.21423E-06	up-regulated gene
AC010326.3	ENSG00000269867	1.10301525	4.38704E-09	up-regulated gene
Z98200.1	ENSG00000271734	1.102858357	0.00065798	up-regulated gene
AL133260.2	ENSG00000232290	1.102760995	0.20475249	up-regulated gene
IRF7	ENSG00000185507	1.102701752	0.000122066	up-regulated gene
LINC01574	ENSG00000248859	1.102353798	0.441948134	up-regulated gene
AC074117.1	ENSG00000234072	1.102024352	1.98094E-10	up-regulated gene
HMGN1P4	ENSG00000224040	1.101772586	0.014746495	up-regulated gene
AC023632.5	ENSG00000254315	1.101748904	0.083467209	up-regulated gene
AC119677.1	ENSG00000229528	1.101485409	0.124967823	up-regulated gene
MYHAS	ENSG00000272975	1.10127955	0.07915848	up-regulated gene
PRR13P1	ENSG00000232824	1.101277846	0.259655015	up-regulated gene
ARPP21	ENSG00000172995	1.100970221	0.280589844	up-regulated gene
AC090559.2	ENSG00000270072	1.10084416	0.14035895	up-regulated gene
RAG1	ENSG00000166349	1.100817533	0.00196969	up-regulated gene
LINC01242	ENSG00000280683	1.100809547	0.560896153	up-regulated gene
LINC02585	ENSG00000228350	1.100803915	3.56063E-05	up-regulated gene
AP003031.3	ENSG00000254814	1.100464129	0.021817632	up-regulated gene
LYZL4	ENSG00000157093	1.100396526	0.161666883	up-regulated gene
FZD5	ENSG00000163251	1.100372552	3.90171E-05	up-regulated gene
LINC00930	ENSG00000258647	1.100303995	0.10984158	up-regulated gene
IGHV3-21	ENSG00000211947	1.100009367	0.075653179	up-regulated gene
AL360169.2	ENSG00000274023	1.099788414	0.217009095	up-regulated gene
SREBF1	ENSG00000072310	1.099774325	4.8318E-06	up-regulated gene
CCNL2	ENSG00000221978	1.099241245	3.78723E-07	up-regulated gene
AL391419.1	ENSG00000214745	1.099062708	0.136474668	up-regulated gene
AC100835.1	ENSG00000260919	1.099049121	0.146784828	up-regulated gene
AC020663.2	ENSG00000267077	1.099009537	0.001301661	up-regulated gene
AC073359.1	ENSG00000243953	1.098771535	0.233875308	up-regulated gene
AL355516.1	ENSG00000231358	1.098769727	0.515395411	up-regulated gene
COX6A2	ENSG00000156885	1.098747253	0.215922932	up-regulated gene
AC004816.1	ENSG00000259153	1.098695213	2.00688E-05	up-regulated gene
SLC12A9-AS1	ENSG00000236305	1.09866804	8.95655E-05	up-regulated gene
AC104115.2	ENSG00000253908	1.098640742	0.043216452	up-regulated gene
IGLV1-40	ENSG00000211653	1.09853207	0.070259244	up-regulated gene
AC136469.2	ENSG00000279827	1.098370087	0.042891257	up-regulated gene
AC013640.1	ENSG00000261191	1.098287108	0.357768587	up-regulated gene
AC008957.3	ENSG00000279400	1.098019868	0.031421804	up-regulated gene
ADAM20P1	ENSG00000259158	1.097963882	0.000925714	up-regulated gene
MIR141	ENSG00000207708	1.097948719	0.160602058	up-regulated gene
HSBP1L1	ENSG00000226742	1.097928825	3.05438E-08	up-regulated gene
LINC02043	ENSG00000232233	1.097856103	0.0282477	up-regulated gene
AL359091.2	ENSG00000228510	1.097786474	0.017583701	up-regulated gene
SYT3	ENSG00000213023	1.0977156	0.016707192	up-regulated gene
KIAA0319	ENSG00000137261	1.097219021	0.022617879	up-regulated gene

AC027601.1	ENSG00000260005	1.09719476	1.09893E-07	up-regulated gene
OR52E6	ENSG00000205409	1.097171023	0.40385121	up-regulated gene
AC068790.1	ENSG00000256827	1.097134911	0.145322411	up-regulated gene
TBX2	ENSG00000121068	1.096441123	0.007390432	up-regulated gene
C8A	ENSG00000157131	1.096425571	0.344130581	up-regulated gene
CHN2-AS1	ENSG00000235669	1.096212021	0.365202953	up-regulated gene
C18orf54	ENSG00000166845	1.095974044	1.21411E-08	up-regulated gene
AC107464.1	ENSG00000248416	1.095964893	0.091944511	up-regulated gene
APOL1	ENSG00000100342	1.095929158	0.001562832	up-regulated gene
PDXDC2P-NPIPB14P	ENSG00000196696	1.095798817	6.32962E-06	up-regulated gene
LINC02419	ENSG00000256906	1.095746042	0.190827366	up-regulated gene
AC092296.3	ENSG00000267142	1.09568908	0.05227912	up-regulated gene
AC005519.1	ENSG00000258559	1.095501779	5.90742E-05	up-regulated gene
RRM1-AS1	ENSG00000255276	1.095143292	0.037094945	up-regulated gene
RNF157-AS1	ENSG00000267128	1.094923711	0.011820315	up-regulated gene
ZFH2-AS1	ENSG00000157306	1.094880912	1.46881E-05	up-regulated gene
GAS8-AS1	ENSG00000221819	1.094693764	0.009270737	up-regulated gene
MAP3K5-AS1	ENSG00000234263	1.094659586	0.001079068	up-regulated gene
RNU6-100P	ENSG00000252414	1.094440657	0.04493278	up-regulated gene
AL355388.1	ENSG00000273002	1.094324798	6.47593E-05	up-regulated gene
CST9	ENSG00000173335	1.094306727	0.264209985	up-regulated gene
AC145423.3	ENSG00000278112	1.094272566	4.08634E-05	up-regulated gene
CDRT1	ENSG00000241322	1.09417544	0.002035701	up-regulated gene
AC097641.1	ENSG00000264860	1.09409323	0.165277788	up-regulated gene
G6PD	ENSG00000160211	1.094015794	0.000253326	up-regulated gene
RTL10	ENSG00000215012	1.093978743	1.82921E-07	up-regulated gene
AP001610.2	ENSG00000228318	1.093874335	0.012845783	up-regulated gene
GAS6-AS1	ENSG00000233695	1.093800295	0.003409937	up-regulated gene
LINC01691	ENSG00000224857	1.093715637	0.089781669	up-regulated gene
GRAMD4P4	ENSG00000274369	1.093542469	0.411122683	up-regulated gene
CTSLP8	ENSG00000234575	1.093482687	0.281594811	up-regulated gene
AC010735.1	ENSG00000261379	1.093481439	0.057864331	up-regulated gene
GOLGA8B	ENSG00000215252	1.093410056	0.00037205	up-regulated gene
LINC00442	ENSG00000232685	1.093179448	0.436007546	up-regulated gene
AC010435.1	ENSG00000279557	1.093121531	0.008370144	up-regulated gene
AC005070.2	ENSG00000271482	1.092927848	0.221623906	up-regulated gene
RPS3AP23	ENSG00000218351	1.092901657	0.270410807	up-regulated gene
CCT5P1	ENSG00000250444	1.092891292	0.014737829	up-regulated gene
SAMD13	ENSG00000203943	1.092791299	0.003774539	up-regulated gene
KRT18P29	ENSG00000213958	1.092782271	0.049441407	up-regulated gene
PTOV1-AS2	ENSG00000269352	1.092252108	2.17505E-07	up-regulated gene
ZNF813	ENSG00000198346	1.092243593	7.71719E-06	up-regulated gene
AL390728.4	ENSG00000227671	1.092010576	1.67189E-06	up-regulated gene
C12orf56	ENSG00000185306	1.091830668	0.021072228	up-regulated gene
HSPA7	ENSG00000225217	1.091755176	0.003979794	up-regulated gene
AC010904.2	ENSG00000272002	1.091563243	0.007980291	up-regulated gene
LRRC10	ENSG00000198812	1.091540328	0.469115336	up-regulated gene
S100A3	ENSG00000188015	1.091447422	0.009159679	up-regulated gene
AC008114.1	ENSG00000255649	1.091363315	0.006045569	up-regulated gene

UTS2R	ENSG00000181408	1.091316727	0.158971251	up-regulated gene
MRPS9-AS1	ENSG00000231851	1.091185543	0.000193281	up-regulated gene
PPP1R35	ENSG00000160813	1.091076427	1.61915E-09	up-regulated gene
PPIAP75	ENSG00000271131	1.090974054	0.049872021	up-regulated gene
TFEC	ENSG00000105967	1.090541535	0.009274771	up-regulated gene
LINC00658	ENSG00000226995	1.090522977	0.232454044	up-regulated gene
AL442663.4	ENSG00000259015	1.090231974	1.22049E-05	up-regulated gene
AC008897.3	ENSG00000271815	1.090084525	0.001127634	up-regulated gene
ZNF300	ENSG00000145908	1.09006441	0.003604558	up-regulated gene
DSG1-AS1	ENSG00000266729	1.090029318	0.068626994	up-regulated gene
RN7SL16P	ENSG00000243005	1.089894882	0.314357161	up-regulated gene
SNRPB	ENSG00000125835	1.089855043	1.33058E-12	up-regulated gene
AC118754.2	ENSG00000262921	1.08984396	0.086054626	up-regulated gene
SMIM32	ENSG00000271824	1.089730655	0.091425722	up-regulated gene
AC068870.1	ENSG00000260619	1.089372775	0.004516352	up-regulated gene
RHCE	ENSG00000188672	1.089033295	0.001674857	up-regulated gene
RN7SL230P	ENSG00000264916	1.089030754	0.252406077	up-regulated gene
IGKV1-12	ENSG00000243290	1.08901669	0.129033858	up-regulated gene
SPTA1	ENSG00000163554	1.088947167	0.046218553	up-regulated gene
ACTG1P22	ENSG00000271615	1.088901863	0.117337869	up-regulated gene
MST1R	ENSG00000164078	1.08870278	0.005044492	up-regulated gene
AC005840.2	ENSG00000256433	1.088679578	7.25718E-06	up-regulated gene
PDE6H	ENSG00000139053	1.088513014	0.156178056	up-regulated gene
AC055855.1	ENSG00000260773	1.088473248	0.000340785	up-regulated gene
LINC01300	ENSG00000253595	1.08824423	0.100414311	up-regulated gene
IGKV2D-28	ENSG00000242534	1.088210324	0.299427684	up-regulated gene
AC002456.1	ENSG00000223969	1.087803031	0.039503657	up-regulated gene
AP000346.2	ENSG00000234353	1.087759829	0.000609175	up-regulated gene
LINC01816	ENSG00000231327	1.087723001	0.000642756	up-regulated gene
AC016745.2	ENSG00000272563	1.087657653	0.096788638	up-regulated gene
SNORA73B	ENSG00000200087	1.087534255	0.000661422	up-regulated gene
TEAD4	ENSG00000197905	1.087488065	0.000291607	up-regulated gene
AC006529.1	ENSG00000240579	1.087348039	0.149792239	up-regulated gene
BX255923.2	ENSG00000276462	1.087347803	0.076168406	up-regulated gene
AC114730.3	ENSG00000235351	1.087280992	0.000412809	up-regulated gene
GDPD3	ENSG00000102886	1.087275732	0.00977761	up-regulated gene
AL109811.1	ENSG00000226849	1.087226438	1.94543E-05	up-regulated gene
AC090204.1	ENSG00000247134	1.087185057	0.021139675	up-regulated gene
TMSB10P2	ENSG00000235211	1.086988683	0.077039752	up-regulated gene
PARP14	ENSG00000173193	1.086856039	1.1703E-07	up-regulated gene
ANKRD2	ENSG00000165887	1.086844079	0.014763386	up-regulated gene
TARBP2	ENSG00000139546	1.086638089	6.43203E-16	up-regulated gene
SUB1P4	ENSG00000260247	1.0865159	0.13530734	up-regulated gene
AP000311.1	ENSG00000249209	1.086513219	0.133907834	up-regulated gene
AC109361.2	ENSG00000250740	1.086291019	0.139957519	up-regulated gene
AC024937.1	ENSG00000228413	1.086173894	0.000938998	up-regulated gene
IGSF8	ENSG00000162729	1.085999049	4.24613E-08	up-regulated gene
NT5DC2	ENSG00000168268	1.085969978	5.15998E-07	up-regulated gene
AL158824.1	ENSG00000225513	1.085715401	0.049839948	up-regulated gene

AL109614.1	ENSG00000276603	1.085612636	0.007067062	up-regulated gene
AC126471.1	ENSG00000257855	1.085559539	0.307895691	up-regulated gene
NUS1P2	ENSG00000234685	1.085521194	0.198756591	up-regulated gene
KRTAP17-1	ENSG00000186860	1.085406391	0.222011326	up-regulated gene
AC084125.3	ENSG00000255456	1.085386837	0.172863612	up-regulated gene
CEP152	ENSG00000103995	1.085325971	4.31917E-10	up-regulated gene
AL606469.1	ENSG00000224215	1.085043173	0.065672751	up-regulated gene
TCERG1L-AS1	ENSG00000230098	1.084949706	0.264329558	up-regulated gene
AL390863.1	ENSG00000276735	1.084675467	0.087055055	up-regulated gene
C11orf80	ENSG00000173715	1.084604547	4.94227E-08	up-regulated gene
UBE2D3P3	ENSG00000224690	1.084506548	0.093402164	up-regulated gene
QRICH2	ENSG00000129646	1.084414368	5.84974E-05	up-regulated gene
AP001469.3	ENSG00000239415	1.084348857	1.0032E-06	up-regulated gene
TAS2R6P	ENSG00000270923	1.084108417	0.011979222	up-regulated gene
AC021242.3	ENSG00000272267	1.084085062	0.000275676	up-regulated gene
AC004980.3	ENSG00000230305	1.083858762	0.026560952	up-regulated gene
POLR2H	ENSG00000163882	1.083660095	8.37944E-18	up-regulated gene
KLF1	ENSG00000105610	1.083538638	0.00978801	up-regulated gene
AL359955.1	ENSG00000197550	1.083520597	0.331640438	up-regulated gene
SAP25	ENSG00000205307	1.083519625	0.001531852	up-regulated gene
AC092171.1	ENSG00000188365	1.083468735	0.003471703	up-regulated gene
IGKV5-2	ENSG00000211599	1.083284234	0.136078596	up-regulated gene
AC096992.1	ENSG00000242968	1.08314746	0.078370619	up-regulated gene
AC012150.2	ENSG00000275278	1.082938281	0.239966582	up-regulated gene
AP002336.1	ENSG00000254484	1.082797498	0.095213779	up-regulated gene
MT1F	ENSG00000198417	1.082636482	0.001260682	up-regulated gene
MYRF	ENSG00000124920	1.082505367	0.005265916	up-regulated gene
CA5A	ENSG00000174990	1.082373874	0.031931973	up-regulated gene
AC004941.1	ENSG00000228151	1.082247931	0.078519101	up-regulated gene
HMG1P2	ENSG00000229046	1.082223039	0.131422649	up-regulated gene
KCNK4	ENSG00000182450	1.082200999	0.140547897	up-regulated gene
FAM183A	ENSG00000186973	1.082041175	0.002793928	up-regulated gene
LINC01814	ENSG00000236008	1.082039604	0.014966215	up-regulated gene
SMUG1	ENSG00000123415	1.081958826	2.90625E-14	up-regulated gene
AC011477.2	ENSG00000267565	1.081904503	0.000213058	up-regulated gene
OPLAH	ENSG00000178814	1.081883592	4.80452E-05	up-regulated gene
MME-AS1	ENSG00000240666	1.081790186	0.194936238	up-regulated gene
AC016773.1	ENSG00000207009	1.081785235	0.137745403	up-regulated gene
AC008691.1	ENSG00000249738	1.081782368	0.125780914	up-regulated gene
KRT8P45	ENSG00000224520	1.081774745	0.001985565	up-regulated gene
Z93022.1	ENSG00000235834	1.08173871	0.155578621	up-regulated gene
GSTA7P	ENSG00000237674	1.081295915	0.502097829	up-regulated gene
AC090518.1	ENSG00000260392	1.081259517	0.162184359	up-regulated gene
PABPC1P10	ENSG00000239443	1.081109159	0.028707848	up-regulated gene
AC068014.1	ENSG00000263098	1.081037113	0.14044981	up-regulated gene
DNAJC19P7	ENSG00000237663	1.080913907	0.171203269	up-regulated gene
RNU6-1042P	ENSG00000206931	1.080739683	0.309142534	up-regulated gene
NAP1L4P2	ENSG00000224816	1.080316721	0.121302346	up-regulated gene
CEBPA	ENSG00000245848	1.080237805	0.000885763	up-regulated gene

RANBP1	ENSG00000099901	1.080218408	2.06785E-11	up-regulated gene
BCL2L15	ENSG00000188761	1.080182653	0.039011851	up-regulated gene
C9orf129	ENSG00000204352	1.080074543	0.254307011	up-regulated gene
MYL7	ENSG00000106631	1.080052793	0.171619498	up-regulated gene
RMI1	ENSG00000178966	1.079901316	8.57783E-09	up-regulated gene
KRT18P14	ENSG00000186082	1.079863237	0.059770251	up-regulated gene
RNY1P10	ENSG00000200138	1.079860691	0.290771719	up-regulated gene
AC127496.4	ENSG00000262662	1.079841531	0.116530795	up-regulated gene
MYH7	ENSG00000092054	1.079556983	0.078359942	up-regulated gene
AC131649.2	ENSG00000279662	1.07944766	0.005493497	up-regulated gene
MIR205HG	ENSG00000230937	1.079302481	0.008429074	up-regulated gene
RNU6-1095P	ENSG00000251957	1.079140799	0.00821166	up-regulated gene
AC079336.6	ENSG00000279781	1.079028542	0.01267244	up-regulated gene
LINC01029	ENSG00000265843	1.078988232	0.543574414	up-regulated gene
CENPW	ENSG00000203760	1.078633969	2.02983E-05	up-regulated gene
AC097381.3	ENSG00000273267	1.078441664	0.233626617	up-regulated gene
AP003390.1	ENSG00000254854	1.078427724	0.000248891	up-regulated gene
MIR2116	ENSG00000253030	1.078309632	0.066724603	up-regulated gene
AC116362.1	ENSG00000248752	1.078128959	0.204780518	up-regulated gene
AP002761.2	ENSG00000256568	1.078026657	0.154948055	up-regulated gene
FMR1-AS1	ENSG00000268066	1.07784918	0.049518445	up-regulated gene
UCK2	ENSG00000143179	1.077833325	2.3884E-09	up-regulated gene
AL645939.2	ENSG00000225864	1.077817001	0.009187957	up-regulated gene
RPS20P4	ENSG00000241907	1.077794883	0.038396789	up-regulated gene
HSP90AB7P	ENSG00000235838	1.077711596	0.151172586	up-regulated gene
SLC25A2	ENSG00000120329	1.077681241	0.007541746	up-regulated gene
AC093462.1	ENSG00000277324	1.07757101	0.00020994	up-regulated gene
AC007993.2	ENSG00000267420	1.077461787	0.184781841	up-regulated gene
MARCHF10-DT	ENSG00000265000	1.077401714	0.199144586	up-regulated gene
ZDHHC12	ENSG00000160446	1.077350994	1.87833E-09	up-regulated gene
AL355607.1	ENSG00000228216	1.077110907	0.084747227	up-regulated gene
AC068533.3	ENSG00000234185	1.076922583	0.014035353	up-regulated gene
AC024592.1	ENSG00000266941	1.076808677	0.098871755	up-regulated gene
AC009237.3	ENSG00000229689	1.076663386	0.00061756	up-regulated gene
CFAP221	ENSG00000163075	1.076651954	0.027598678	up-regulated gene
AC078922.1	ENSG00000257241	1.076513431	0.228631821	up-regulated gene
TMEM239	ENSG00000198326	1.076507196	0.218387934	up-regulated gene
AC104687.1	ENSG00000242727	1.076287732	0.140683172	up-regulated gene
LINC02690	ENSG00000255226	1.076153379	0.345725398	up-regulated gene
AC244153.1	ENSG00000276170	1.075992915	0.005166113	up-regulated gene
AP003072.5	ENSG00000280379	1.075682371	0.17665157	up-regulated gene
AP003419.1	ENSG00000256514	1.075673855	0.276024531	up-regulated gene
SNHG4	ENSG00000281398	1.075612807	0.000141929	up-regulated gene
SNORA2A	ENSG00000206612	1.075577551	0.009784669	up-regulated gene
AC114489.1	ENSG00000200591	1.075537988	0.14020846	up-regulated gene
AP1M2	ENSG00000129354	1.075507364	4.56522E-05	up-regulated gene
SMYD2	ENSG00000143499	1.075505259	1.29297E-12	up-regulated gene
LINC02679	ENSG00000226676	1.0753219	0.127249285	up-regulated gene
PTCSC3	ENSG00000259104	1.075283228	0.268730923	up-regulated gene

LRRC73	ENSG00000204052	1.075199674	0.000361142	up-regulated gene
RPS20P12	ENSG00000237784	1.075156799	0.052765343	up-regulated gene
MYCL	ENSG00000116990	1.075002216	0.007366171	up-regulated gene
Metazoa_SRP	ENSG00000274799	1.074969342	0.160199687	up-regulated gene
NANOS2	ENSG00000188425	1.074853376	0.214434503	up-regulated gene
ADCK5	ENSG00000173137	1.074825024	7.33814E-09	up-regulated gene
RN7SL836P	ENSG00000241226	1.074664101	0.32993259	up-regulated gene
AC027801.1	ENSG00000204584	1.074596262	0.001021963	up-regulated gene
AC116021.1	ENSG00000254639	1.074375215	0.070573379	up-regulated gene
KCNAB3	ENSG00000170049	1.074179254	0.000101562	up-regulated gene
SLC25A31	ENSG00000151475	1.073729219	0.094695552	up-regulated gene
NDUFB2-AS1	ENSG00000240889	1.073656042	9.8756E-09	up-regulated gene
MIR3189	ENSG00000264175	1.07343846	0.048803182	up-regulated gene
COMTD1	ENSG00000165644	1.073414219	1.6244E-05	up-regulated gene
CORT	ENSG00000241563	1.073396409	5.76757E-05	up-regulated gene
AC027088.4	ENSG00000273851	1.073310861	0.187822578	up-regulated gene
AC018695.6	ENSG00000275393	1.073305895	0.010230594	up-regulated gene
Y_RNA	ENSG00000202399	1.073153201	0.017787403	up-regulated gene
OR7E140P	ENSG00000238152	1.072952841	0.239016299	up-regulated gene
AC007610.4	ENSG00000279356	1.072849355	0.010774175	up-regulated gene
N4BP2L2-IT2	ENSG00000281026	1.072771633	1.73273E-05	up-regulated gene
AC108693.1	ENSG00000239280	1.072715613	0.113785513	up-regulated gene
AC021134.1	ENSG00000248431	1.072593585	0.410953321	up-regulated gene
AC000036.1	ENSG00000225929	1.072450049	0.252164327	up-regulated gene
ABHD1	ENSG00000143994	1.072431872	0.000677412	up-regulated gene
AC027796.2	ENSG00000262248	1.072309101	0.010274655	up-regulated gene
RPS23P4	ENSG00000240992	1.072303629	0.29840394	up-regulated gene
AP002336.3	ENSG00000255539	1.071903891	0.202652428	up-regulated gene
IGSF11-AS1	ENSG00000239877	1.071754516	0.256255213	up-regulated gene
RAD51AP2	ENSG00000214842	1.071614843	0.060986583	up-regulated gene
PNLIP	ENSG00000175535	1.071577951	0.539918466	up-regulated gene
AC008761.2	ENSG00000269752	1.071522403	0.113834442	up-regulated gene
AC083867.2	ENSG00000225559	1.071521565	0.163638941	up-regulated gene
FNTAP2	ENSG00000230022	1.071484436	0.147778244	up-regulated gene
MLLT11	ENSG00000213190	1.071236226	0.000240154	up-regulated gene
AC110769.3	ENSG00000279957	1.071012798	0.096263953	up-regulated gene
AC107214.1	ENSG00000232648	1.070975567	8.42418E-06	up-regulated gene
AC090735.1	ENSG00000253784	1.070974109	0.409666106	up-regulated gene
LINC01630	ENSG00000227115	1.070782128	0.225043141	up-regulated gene
RN7SL664P	ENSG00000265078	1.070708437	0.290777967	up-regulated gene
LINC02000	ENSG00000243832	1.070634952	0.288206339	up-regulated gene
LINC00616	ENSG00000248307	1.070416751	0.361633356	up-regulated gene
GTPBP3	ENSG00000130299	1.070148534	1.8424E-17	up-regulated gene
GGNBP1	ENSG00000204188	1.070064677	0.003896568	up-regulated gene
DISC1-IT1	ENSG00000226758	1.070062094	0.2129767	up-regulated gene
LINC02875	ENSG00000187013	1.069963682	0.001222742	up-regulated gene
AC007879.4	ENSG00000240440	1.069808406	0.035244969	up-regulated gene
CHAF1A	ENSG00000167670	1.069729392	2.72718E-12	up-regulated gene
CKLF	ENSG00000217555	1.06971254	1.49132E-10	up-regulated gene

FAM71E1	ENSG00000142530	1.069696222	0.000163661	up-regulated gene
LSR	ENSG00000105699	1.069668068	4.27122E-06	up-regulated gene
AL450992.1	ENSG00000229021	1.069619947	0.024004965	up-regulated gene
CCDC134	ENSG00000100147	1.069517583	1.9202E-08	up-regulated gene
PBX1-AS1	ENSG00000233693	1.069501382	0.106376351	up-regulated gene
PSMA6P1	ENSG00000215414	1.069477279	0.000162689	up-regulated gene
RNU6-704P	ENSG00000201032	1.069427635	0.19986497	up-regulated gene
NUDT1	ENSG00000106268	1.069390494	2.04027E-08	up-regulated gene
AGXT	ENSG00000172482	1.069358859	0.170758923	up-regulated gene
RPL10L	ENSG00000165496	1.069321037	0.152733894	up-regulated gene
AC007622.2	ENSG00000258136	1.068983335	0.000525511	up-regulated gene
RNU6-160P	ENSG00000207321	1.068961972	0.398139799	up-regulated gene
AC109460.2	ENSG00000260853	1.068955742	0.00017829	up-regulated gene
AL358472.3	ENSG00000273026	1.068903643	2.27984E-07	up-regulated gene
SSX2B	ENSG00000268447	1.068788751	0.58532432	up-regulated gene
LINC00184	ENSG00000224939	1.068576211	0.034728766	up-regulated gene
AC106820.5	ENSG00000260874	1.068400231	0.002106651	up-regulated gene
CALR	ENSG00000179218	1.068338981	3.14781E-16	up-regulated gene
BARHL2	ENSG00000143032	1.068238373	0.40828301	up-regulated gene
LINC02246	ENSG00000281903	1.068228638	0.001410229	up-regulated gene
CSMD3	ENSG00000164796	1.068222455	0.104854362	up-regulated gene
RN7SL220P	ENSG00000266467	1.068165345	0.251054937	up-regulated gene
GJB6	ENSG00000121742	1.067813212	0.028726122	up-regulated gene
AP000790.1	ENSG00000214788	1.067670453	0.106104869	up-regulated gene
OR56A5	ENSG00000188691	1.067650421	0.265869999	up-regulated gene
NHEG1	ENSG00000225391	1.067612293	0.166432716	up-regulated gene
KRTAP1-3	ENSG00000221880	1.067557845	0.519854236	up-regulated gene
MORF4L2-AS1	ENSG00000231154	1.06745654	0.000129807	up-regulated gene
ZNF878	ENSG00000257446	1.067448489	0.000105205	up-regulated gene
ATXN7L2	ENSG00000162650	1.067367896	7.39542E-08	up-regulated gene
AC004982.2	ENSG00000272894	1.067351446	0.000287111	up-regulated gene
AC091144.2	ENSG00000254061	1.067087672	0.223983745	up-regulated gene
STMN1P1	ENSG00000276058	1.06704164	0.001059022	up-regulated gene
TPH2	ENSG00000139287	1.066599962	0.161522984	up-regulated gene
C2CD4D	ENSG00000225556	1.066474995	0.002303519	up-regulated gene
FAM71D	ENSG00000172717	1.066428147	0.000387623	up-regulated gene
AL021368.1	ENSG00000271761	1.066285667	0.053320756	up-regulated gene
EPN3	ENSG00000049283	1.06623773	0.001053066	up-regulated gene
LINC02590	ENSG00000233978	1.066208086	0.221846853	up-regulated gene
SAP18P3	ENSG00000230697	1.066198549	0.04545419	up-regulated gene
IGLV1-47	ENSG00000211648	1.066164066	0.074127364	up-regulated gene
AP005119.1	ENSG00000263396	1.066138851	0.311157394	up-regulated gene
FAM172BP	ENSG00000175841	1.066114561	0.056900983	up-regulated gene
ATP6V1FNB	ENSG00000272899	1.065930319	0.000253756	up-regulated gene
ARNTL2	ENSG00000029153	1.065929962	0.000295629	up-regulated gene
BST2	ENSG00000130303	1.065886689	0.002795598	up-regulated gene
ENO1-AS1	ENSG00000230679	1.065660119	0.001025425	up-regulated gene
CRYBA1	ENSG00000108255	1.06565065	0.010896818	up-regulated gene
SNORA40B	ENSG00000208308	1.0656477	0.367093536	up-regulated gene

SLC17A4	ENSG00000146039	1.065516571	0.378168872	up-regulated gene
AC013452.1	ENSG00000259545	1.065504889	0.14594646	up-regulated gene
TRIM24	ENSG00000122779	1.065405062	1.95986E-05	up-regulated gene
THEM6	ENSG00000130193	1.06538056	9.37577E-05	up-regulated gene
GEMIN8P4	ENSG00000228175	1.065109736	3.63055E-07	up-regulated gene
AC016866.3	ENSG00000280335	1.065035233	0.139396802	up-regulated gene
TMEM262	ENSG00000187066	1.064788223	1.62589E-08	up-regulated gene
AL807752.4	ENSG00000236394	1.064754234	0.162804355	up-regulated gene
AC018638.3	ENSG00000241493	1.064715341	0.108669906	up-regulated gene
RAB39A	ENSG00000179331	1.064325552	0.029598956	up-regulated gene
AC119403.2	ENSG00000266938	1.06430743	0.238383898	up-regulated gene
AC011374.1	ENSG00000260581	1.064306195	0.063681181	up-regulated gene
KC6	ENSG00000267313	1.064083191	0.128198877	up-regulated gene
CCDC144NL	ENSG00000205212	1.06406031	0.163886387	up-regulated gene
FRRS1	ENSG00000156869	1.064048729	0.002107625	up-regulated gene
IL1RAP	ENSG00000196083	1.063893381	0.001101944	up-regulated gene
AC132812.1	ENSG00000265298	1.063841566	2.30604E-05	up-regulated gene
BEST4	ENSG00000142959	1.063591042	0.000483475	up-regulated gene
DELEC1	ENSG00000173077	1.063418211	0.083827674	up-regulated gene
MIR200C	ENSG00000207713	1.063404213	0.175703936	up-regulated gene
HNRNPA1P16	ENSG00000262333	1.063301202	5.63718E-08	up-regulated gene
TSTD1	ENSG00000215845	1.063281407	5.4846E-05	up-regulated gene
DLEU2	ENSG00000231607	1.063183953	1.46375E-06	up-regulated gene
COX7BP2	ENSG00000234274	1.062991594	0.239743413	up-regulated gene
AC025588.1	ENSG00000268379	1.062973905	0.001964076	up-regulated gene
SAMD10	ENSG00000130590	1.062821295	2.54144E-05	up-regulated gene
TTC39DP	ENSG00000227238	1.062684212	0.26447122	up-regulated gene
SULF1	ENSG00000137573	1.062680867	0.01374653	up-regulated gene
AC103923.1	ENSG00000235545	1.062535277	0.003728423	up-regulated gene
AC002347.1	ENSG00000261433	1.062391345	0.032457539	up-regulated gene
CENPVL3	ENSG00000224109	1.062282649	0.523116036	up-regulated gene
HOXB3	ENSG00000120093	1.062261089	0.002893861	up-regulated gene
AC253536.6	ENSG00000272787	1.062132996	0.00071529	up-regulated gene
AC104971.1	ENSG00000267226	1.062079182	0.001564893	up-regulated gene
AC011468.2	ENSG00000267827	1.062022727	0.016964136	up-regulated gene
RPL39P36	ENSG00000239912	1.062014575	4.96723E-06	up-regulated gene
CD1A	ENSG00000158477	1.061876372	0.032921876	up-regulated gene
TEPSIN	ENSG00000167302	1.06168933	6.25808E-13	up-regulated gene
RPL36AP16	ENSG00000232228	1.061547605	0.050141364	up-regulated gene
AC114316.1	ENSG00000250049	1.061419065	0.164938585	up-regulated gene
AC093730.1	ENSG00000250775	1.061382614	0.420427252	up-regulated gene
AC103769.1	ENSG00000253475	1.061366945	0.078094405	up-regulated gene
AC126696.3	ENSG00000260498	1.061355863	0.090250897	up-regulated gene
AL645939.3	ENSG00000227758	1.061249986	0.137615755	up-regulated gene
AL512326.3	ENSG00000225711	1.060608192	0.152082199	up-regulated gene
KLF3P1	ENSG00000253218	1.060426258	0.153354774	up-regulated gene
GGCT	ENSG00000006625	1.060382983	3.97937E-09	up-regulated gene
AC139887.1	ENSG00000233799	1.059954016	0.000616217	up-regulated gene
AC017006.2	ENSG00000232696	1.059827185	0.147772648	up-regulated gene

AL022337.1	ENSG00000229770	1.059780687	0.503426245	up-regulated gene
FLAD1	ENSG00000160688	1.059597223	2.91093E-15	up-regulated gene
TEN1-CDK3	ENSG00000261408	1.059389001	1.02879E-05	up-regulated gene
TIMM9P2	ENSG00000232608	1.059350587	0.067325706	up-regulated gene
AC093157.2	ENSG00000235795	1.059256635	8.31963E-05	up-regulated gene
PCCA-DT	ENSG00000274605	1.059233195	1.47772E-07	up-regulated gene
TMEM125	ENSG00000179178	1.059074687	0.004115767	up-regulated gene
MUC19	ENSG00000205592	1.059001791	0.077346182	up-regulated gene
AC006967.3	ENSG00000269446	1.058487351	0.333569603	up-regulated gene
AC015983.1	ENSG00000213302	1.058453735	0.05851381	up-regulated gene
AL845472.1	ENSG00000279561	1.058420107	7.97668E-05	up-regulated gene
DPP3	ENSG00000254986	1.058415342	1.36535E-16	up-regulated gene
AC009309.1	ENSG00000200241	1.0582339	0.172397677	up-regulated gene
DUSP27	ENSG00000198842	1.057938861	0.158506904	up-regulated gene
SCN1A-AS1	ENSG00000236107	1.057846259	0.080921828	up-regulated gene
DLGAP1-AS5	ENSG00000261520	1.057633544	0.346174171	up-regulated gene
AL160314.2	ENSG00000258458	1.057532903	0.00062211	up-regulated gene
KRT8P25	ENSG00000239829	1.057505324	0.125379712	up-regulated gene
TRAV32	ENSG00000258905	1.057286695	0.469628006	up-regulated gene
Y_RNA	ENSG00000206824	1.057030124	0.15325569	up-regulated gene
LINC01968	ENSG00000237222	1.05686664	0.093164577	up-regulated gene
ARHGAP27P1-BPTFP1-KPNA2P3	ENSG00000215769	1.0567282	2.5123E-05	up-regulated gene
NPIP10P	ENSG00000196796	1.056586678	0.033863606	up-regulated gene
SREK1IP1P2	ENSG00000271227	1.056571651	0.137988527	up-regulated gene
RNU6-216P	ENSG00000200152	1.056473689	0.081302556	up-regulated gene
AC243654.1	ENSG00000273965	1.056339758	0.066631076	up-regulated gene
AC099489.2	ENSG00000262636	1.056326415	0.009639591	up-regulated gene
AC020934.2	ENSG00000267735	1.056321669	0.041672118	up-regulated gene
AC092590.1	ENSG00000242072	1.056182474	0.518283242	up-regulated gene
AC008687.2	ENSG00000268108	1.056170284	0.02857852	up-regulated gene
AC091980.1	ENSG00000213393	1.056152389	0.120534626	up-regulated gene
BHMG1	ENSG00000237452	1.056141719	0.040912589	up-regulated gene
AP002371.1	ENSG00000278892	1.056097883	0.322259844	up-regulated gene
AL353572.2	ENSG00000238110	1.055878876	0.072338353	up-regulated gene
DDX39A	ENSG00000123136	1.055696477	4.04094E-13	up-regulated gene
MIF	ENSG00000240972	1.055622186	2.7745E-07	up-regulated gene
AC011511.1	ENSG00000167807	1.055397516	5.78466E-05	up-regulated gene
AC106037.3	ENSG00000265656	1.055194526	0.082236906	up-regulated gene
OR7E116P	ENSG00000225072	1.055029124	0.13637326	up-regulated gene
AC092910.3	ENSG00000242622	1.054545437	5.54474E-07	up-regulated gene
AC020659.2	ENSG00000250379	1.054504045	0.06431687	up-regulated gene
AC127024.4	ENSG00000265791	1.054358381	0.000228963	up-regulated gene
AC010524.1	ENSG00000268157	1.054352016	0.067446191	up-regulated gene
HMG1P15	ENSG00000250197	1.0543285	0.155014711	up-regulated gene
AC011462.4	ENSG00000277744	1.054235367	0.000185816	up-regulated gene
ZNF697	ENSG00000143067	1.054208518	6.87746E-07	up-regulated gene
PRSS53	ENSG00000151006	1.054062124	2.9226E-06	up-regulated gene
C3P1	ENSG00000167798	1.053770933	0.215828102	up-regulated gene
TARBP1	ENSG00000059588	1.053694349	2.32089E-10	up-regulated gene

SRMS	ENSG00000125508	1.053559334	0.006399977	up-regulated gene
AC096552.1	ENSG00000277035	1.053526644	0.282189386	up-regulated gene
FZD9	ENSG00000188763	1.053506682	0.013987059	up-regulated gene
AP000619.1	ENSG00000225678	1.053475684	0.014293407	up-regulated gene
AC244034.2	ENSG00000261000	1.053469372	0.009481392	up-regulated gene
AC245060.5	ENSG00000274422	1.053417084	7.45305E-05	up-regulated gene
AC008514.2	ENSG00000253966	1.052974678	0.035187974	up-regulated gene
RALYL	ENSG00000184672	1.052796357	0.269449768	up-regulated gene
ADGRF2	ENSG00000164393	1.052739783	0.063438956	up-regulated gene
IGHVIII-76-1	ENSG00000253310	1.052341462	0.114212363	up-regulated gene
DDX18P3	ENSG00000217414	1.052333587	0.126180866	up-regulated gene
LTB4R2	ENSG00000213906	1.052331312	0.000326966	up-regulated gene
AL356740.1	ENSG00000267868	1.052181236	0.046101339	up-regulated gene
KRTAP4-7	ENSG00000240871	1.052161988	0.537569004	up-regulated gene
AC117503.1	ENSG00000255839	1.051959484	0.04957509	up-regulated gene
FABP6-AS1	ENSG00000247699	1.051204265	0.063809283	up-regulated gene
CYP2J2	ENSG00000134716	1.051192882	0.008451796	up-regulated gene
XKR9	ENSG00000221947	1.051178267	0.006315658	up-regulated gene
KRT8P7	ENSG00000230716	1.051149295	0.006653911	up-regulated gene
AC110760.1	ENSG00000248165	1.05110449	0.282924443	up-regulated gene
AC007552.1	ENSG00000256450	1.051083596	0.172591905	up-regulated gene
SRRM4	ENSG00000139767	1.050962146	0.0930818	up-regulated gene
TMEM160	ENSG00000130748	1.05092635	1.36458E-05	up-regulated gene
ZNF486	ENSG00000256229	1.050825776	0.016266818	up-regulated gene
AC140479.2	ENSG00000230650	1.05066027	0.012958323	up-regulated gene
Y_RNA	ENSG00000206768	1.050628874	0.318496473	up-regulated gene
SLC9A5	ENSG00000135740	1.050582623	0.000115385	up-regulated gene
AC120349.1	ENSG00000269365	1.05056408	0.057772199	up-regulated gene
AC138207.4	ENSG00000264456	1.050265797	1.23741E-05	up-regulated gene
AC007687.1	ENSG00000270178	1.050144824	0.083667388	up-regulated gene
RN7SL735P	ENSG00000244044	1.050047408	0.459444366	up-regulated gene
AL359792.1	ENSG00000258753	1.049954496	0.580610773	up-regulated gene
C4orf47	ENSG00000205129	1.049928579	0.00049499	up-regulated gene
AC010974.1	ENSG00000230065	1.049882839	0.183421669	up-regulated gene
AC115284.1	ENSG00000272762	1.049807392	0.053059754	up-regulated gene
AC005255.1	ENSG00000256210	1.049772156	1.7779E-06	up-regulated gene
AC008747.1	ENSG00000267024	1.049766415	0.028013553	up-regulated gene
CDK5	ENSG00000164885	1.049697662	3.41919E-13	up-regulated gene
GOLGA6L22	ENSG00000277865	1.049451904	0.484934951	up-regulated gene
Z69720.2	ENSG00000278995	1.04931985	0.049443799	up-regulated gene
RNU6-539P	ENSG00000252474	1.049299529	0.226170714	up-regulated gene
KCNH8	ENSG00000183960	1.049260005	0.053976051	up-regulated gene
UBOX5-AS1	ENSG00000235958	1.049153595	4.32735E-05	up-regulated gene
AL138921.1	ENSG00000227492	1.049082589	2.34313E-05	up-regulated gene
PCDHA8	ENSG00000204962	1.04892923	0.172565498	up-regulated gene
TMCO5A	ENSG00000166069	1.048846447	0.391232705	up-regulated gene
AC005529.1	ENSG00000234208	1.048735004	0.091341415	up-regulated gene
AL121658.1	ENSG00000272716	1.048682886	2.52975E-05	up-regulated gene
CYP2C19	ENSG00000165841	1.048661963	0.329840982	up-regulated gene

RN7SKP23	ENSG00000280039	1.048440058	0.001620287	up-regulated gene
IGHV3OR16-12	ENSG00000270467	1.048407921	0.199903555	up-regulated gene
IL17RE	ENSG00000163701	1.048278842	0.00044516	up-regulated gene
AL022316.1	ENSG00000230107	1.048202479	0.034134151	up-regulated gene
RNA5SP493	ENSG00000200985	1.047794029	0.291296015	up-regulated gene
AL591043.2	ENSG00000236021	1.047444515	0.002365049	up-regulated gene
LINC02130	ENSG00000260009	1.047406318	0.279485805	up-regulated gene
AL080317.2	ENSG00000272356	1.047207188	7.02893E-05	up-regulated gene
NCLP1	ENSG00000213212	1.047117238	0.00582718	up-regulated gene
AC048341.2	ENSG00000275180	1.046817879	5.57665E-06	up-regulated gene
H3-2	ENSG00000273213	1.046778942	0.12895794	up-regulated gene
WDR76	ENSG00000092470	1.046735479	2.28168E-06	up-regulated gene
AC103808.6	ENSG00000266743	1.046692186	0.426897895	up-regulated gene
ITGB6	ENSG00000115221	1.046563152	0.003397173	up-regulated gene
SLC22A16	ENSG00000004809	1.046531133	0.044065253	up-regulated gene
RNF128	ENSG00000133135	1.04641059	0.013859445	up-regulated gene
OSTCP8	ENSG00000226801	1.04612124	0.087747623	up-regulated gene
EFCAB10	ENSG00000185055	1.04602367	1.04795E-05	up-regulated gene
FCF1P7	ENSG00000224727	1.046014484	0.023624682	up-regulated gene
CASC18	ENSG00000257859	1.045774853	0.030077673	up-regulated gene
AC127070.1	ENSG00000236617	1.045740836	0.000945773	up-regulated gene
AL354798.1	ENSG00000273628	1.045712572	0.004947805	up-regulated gene
RTRAFP1	ENSG00000225496	1.04542573	0.183949212	up-regulated gene
AL136131.2	ENSG00000236961	1.04542519	0.087883274	up-regulated gene
TMEM202	ENSG00000187806	1.045292584	0.624856627	up-regulated gene
AC020904.2	ENSG00000273654	1.045249669	0.000675752	up-regulated gene
RPL23AP85	ENSG00000224980	1.045219116	0.10590483	up-regulated gene
ASB18	ENSG00000182177	1.045068756	0.15297731	up-regulated gene
OR7E136P	ENSG00000205897	1.045052554	0.070434363	up-regulated gene
AL357093.1	ENSG00000258699	1.045034246	0.170870198	up-regulated gene
FDPSP2	ENSG00000233980	1.044513732	0.059883832	up-regulated gene
OR7E1P	ENSG00000255554	1.044266812	0.136271766	up-regulated gene
RNF207	ENSG00000158286	1.044201592	3.93075E-05	up-regulated gene
AL022341.1	ENSG00000228201	1.044179442	0.001229003	up-regulated gene
MIIP	ENSG00000116691	1.044126919	1.07969E-09	up-regulated gene
CACNA1F	ENSG00000102001	1.04406014	0.003000131	up-regulated gene
KRT76	ENSG00000185069	1.044040798	0.166997308	up-regulated gene
HSPE1P4	ENSG00000258153	1.044020606	0.026460219	up-regulated gene
ADAP1	ENSG00000105963	1.043990715	0.000327492	up-regulated gene
MMP14	ENSG00000157227	1.043838995	7.36494E-06	up-regulated gene
AC132938.3	ENSG00000264812	1.043779282	0.001219889	up-regulated gene
ZSCAN5B	ENSG00000197213	1.043730264	0.094088089	up-regulated gene
EPHX4	ENSG00000172031	1.043519084	0.002280044	up-regulated gene
AC108517.1	ENSG00000249111	1.043514205	0.484816973	up-regulated gene
DERL3	ENSG00000099958	1.043358688	0.002733259	up-regulated gene
ZC3HAV1L	ENSG00000146858	1.043232315	3.89356E-05	up-regulated gene
AC091167.6	ENSG00000275674	1.043097309	0.051498333	up-regulated gene
AL359915.1	ENSG00000227712	1.043096106	0.232186859	up-regulated gene
AC005281.1	ENSG00000225606	1.042956996	0.121282463	up-regulated gene

TMUB1	ENSG00000164897	1.042899353	1.26166E-11	up-regulated gene
AC004461.2	ENSG00000237347	1.042857622	0.005298836	up-regulated gene
AL512328.1	ENSG00000244137	1.042840313	0.089479776	up-regulated gene
APOL4	ENSG00000100336	1.042833878	0.003164852	up-regulated gene
AL161891.1	ENSG00000276672	1.042793147	2.72559E-05	up-regulated gene
ZNF530	ENSG00000183647	1.042768019	2.04767E-10	up-regulated gene
TBC1D3	ENSG00000274611	1.042672237	0.469294099	up-regulated gene
TLL9	ENSG00000131044	1.04264401	0.002213561	up-regulated gene
AL671277.1	ENSG00000227766	1.042643538	0.025170361	up-regulated gene
RGS19	ENSG00000171700	1.04255919	5.64852E-10	up-regulated gene
AC068860.1	ENSG00000279266	1.042155884	0.008776251	up-regulated gene
BATF2	ENSG00000168062	1.042138838	0.012094874	up-regulated gene
LINC02751	ENSG00000254946	1.042104972	0.36015201	up-regulated gene
AC091946.2	ENSG00000272130	1.042093743	0.049921794	up-regulated gene
TBC1D3L	ENSG00000274512	1.041993536	0.011270812	up-regulated gene
RASSF1-AS1	ENSG00000281358	1.041916764	0.000878528	up-regulated gene
COL26A1	ENSG00000160963	1.041869356	0.068060698	up-regulated gene
AC079035.1	ENSG00000257568	1.041778975	0.061920214	up-regulated gene
AL139174.1	ENSG00000254708	1.041720206	0.038127794	up-regulated gene
AC084083.1	ENSG00000254431	1.04146676	0.055493259	up-regulated gene
AC007998.1	ENSG00000239683	1.041465794	0.214003733	up-regulated gene
AC090403.1	ENSG00000264151	1.041435999	0.295882391	up-regulated gene
AC018558.1	ENSG00000260857	1.041351412	0.606927158	up-regulated gene
AC099066.3	ENSG00000234112	1.04126895	0.09533761	up-regulated gene
C1orf35	ENSG00000143793	1.0411666	4.10827E-13	up-regulated gene
AL589743.2	ENSG00000258781	1.041127045	0.300830704	up-regulated gene
C1QL2	ENSG00000144119	1.041117137	0.231330892	up-regulated gene
PSPH	ENSG00000146733	1.041012148	1.20131E-06	up-regulated gene
MIR623	ENSG00000207719	1.040920322	0.24727625	up-regulated gene
KDF1	ENSG00000175707	1.040852334	1.93814E-05	up-regulated gene
AC093620.1	ENSG00000241269	1.040746453	0.000240923	up-regulated gene
AC005899.5	ENSG00000266385	1.040689766	0.120406612	up-regulated gene
ADCY8	ENSG00000155897	1.040562674	0.166006114	up-regulated gene
AL161932.2	ENSG00000235113	1.040535679	0.690379734	up-regulated gene
PPIAP65	ENSG00000233428	1.040422181	0.005090716	up-regulated gene
H3P31	ENSG00000232466	1.040376382	0.274695012	up-regulated gene
AL049874.3	ENSG00000258670	1.040026417	0.207044642	up-regulated gene
AC104823.1	ENSG00000224099	1.040003555	0.18864514	up-regulated gene
NDC1	ENSG00000058804	1.039856166	1.11873E-13	up-regulated gene
KMT5C	ENSG00000133247	1.039632977	8.58018E-09	up-regulated gene
TUBB8P1	ENSG00000229298	1.039578572	0.047158799	up-regulated gene
WDR54	ENSG00000005448	1.039505615	1.04784E-06	up-regulated gene
CA6	ENSG00000131686	1.039470052	0.131470837	up-regulated gene
C19orf18	ENSG00000177025	1.039468812	0.003604659	up-regulated gene
TBC1D31	ENSG00000156787	1.039159689	1.77594E-12	up-regulated gene
AC078864.1	ENSG00000257989	1.038950747	0.303705563	up-regulated gene
AL138807.1	ENSG00000215444	1.038895062	0.357237587	up-regulated gene
RNA5SP379	ENSG00000201469	1.038808324	0.085296946	up-regulated gene
AC018695.3	ENSG00000270159	1.038766434	0.066525844	up-regulated gene

ZNF98	ENSG00000197360	1.038698805	0.152945763	up-regulated gene
AC018695.2	ENSG00000269898	1.038685196	0.037672345	up-regulated gene
AC117498.2	ENSG00000271547	1.038649695	0.043151768	up-regulated gene
ADGB	ENSG00000118492	1.038469022	0.168043976	up-regulated gene
AC002550.2	ENSG00000276571	1.038399703	6.50033E-06	up-regulated gene
AL357518.1	ENSG00000271897	1.038261767	0.206603953	up-regulated gene
SOWAHD	ENSG00000187808	1.03818345	0.000236271	up-regulated gene
Y_RNA	ENSG00000201820	1.038158142	0.015777751	up-regulated gene
TAP2	ENSG00000204267	1.038014239	7.69597E-05	up-regulated gene
AC012409.2	ENSG00000275443	1.037905083	0.155255985	up-regulated gene
NPIPB7	ENSG00000233232	1.03775736	0.038603251	up-regulated gene
LINC02381	ENSG00000250742	1.037716899	0.010626264	up-regulated gene
AC016822.1	ENSG00000236744	1.037375767	0.520440409	up-regulated gene
AC104984.1	ENSG00000264125	1.03734854	0.059252383	up-regulated gene
AC093763.1	ENSG00000251490	1.03729797	0.42859548	up-regulated gene
PPP1R42	ENSG00000178125	1.037255385	0.048346194	up-regulated gene
FJX1	ENSG00000179431	1.037204842	0.000613976	up-regulated gene
LINC00567	ENSG00000259831	1.037094192	0.159114447	up-regulated gene
NUP107	ENSG00000111581	1.037056335	1.67581E-07	up-regulated gene
AC008105.2	ENSG00000233483	1.037005443	0.00244278	up-regulated gene
SLC9A7	ENSG00000065923	1.03697246	5.89424E-05	up-regulated gene
FKBPL	ENSG00000204315	1.036926789	2.04774E-09	up-regulated gene
AL049795.1	ENSG00000224066	1.036857084	0.000106833	up-regulated gene
AC097652.1	ENSG00000250658	1.036442456	0.224862245	up-regulated gene
ATAD3C	ENSG00000215915	1.036358125	0.001631061	up-regulated gene
AC008569.2	ENSG00000267474	1.036002159	0.011135317	up-regulated gene
AC015911.4	ENSG00000267312	1.035951584	0.047745116	up-regulated gene
POLA2	ENSG00000014138	1.035906861	1.91251E-11	up-regulated gene
AC006947.1	ENSG00000229330	1.035777201	0.089198805	up-regulated gene
AC007494.2	ENSG00000260744	1.035647299	0.087131071	up-regulated gene
LINC00115	ENSG00000225880	1.035419535	3.96164E-08	up-regulated gene
AC027544.3	ENSG00000256734	1.035213949	0.225475114	up-regulated gene
AF274858.1	ENSG00000260081	1.03507601	0.000118088	up-regulated gene
RIMBP3C	ENSG00000183246	1.035058388	0.05989864	up-regulated gene
AL512504.1	ENSG00000225715	1.035046254	0.171724065	up-regulated gene
MYCBP2-AS2	ENSG00000229521	1.035022346	0.158486717	up-regulated gene
AC011092.2	ENSG00000255476	1.03497625	0.228318132	up-regulated gene
AC008687.1	ENSG00000267335	1.034957512	0.395908927	up-regulated gene
PDRG1	ENSG00000088356	1.034823545	1.36013E-11	up-regulated gene
RN7SL280P	ENSG00000244671	1.034678235	0.226230752	up-regulated gene
GATA3	ENSG00000107485	1.034626932	0.008647511	up-regulated gene
PDZK1P1	ENSG00000215859	1.03452975	0.000541088	up-regulated gene
GHET1	ENSG00000281189	1.034446919	2.99352E-06	up-regulated gene
SNHG3	ENSG00000242125	1.034316562	1.18927E-07	up-regulated gene
Y_RNA	ENSG00000199875	1.034312265	0.153507001	up-regulated gene
AC023632.1	ENSG00000253175	1.034307556	0.032338141	up-regulated gene
PTGER4P2	ENSG00000184523	1.034282928	0.013934108	up-regulated gene
FFAR4	ENSG00000186188	1.034282892	0.008804596	up-regulated gene
PABPC4-AS1	ENSG00000228060	1.034035515	0.012003293	up-regulated gene

CHPF	ENSG00000123989	1.034024863	1.44615E-06	up-regulated gene
C1orf100	ENSG00000173728	1.034019229	0.005325464	up-regulated gene
HMGB2	ENSG00000164104	1.033990852	7.17259E-07	up-regulated gene
GABRE	ENSG00000102287	1.033988512	0.02611811	up-regulated gene
TPM3P1	ENSG00000213050	1.033937933	0.167668314	up-regulated gene
LIN9	ENSG00000183814	1.033845057	4.98351E-11	up-regulated gene
ALX1	ENSG00000180318	1.033777987	0.161914249	up-regulated gene
GCNT1	ENSG00000187210	1.033776371	0.008361931	up-regulated gene
AC069542.1	ENSG00000229190	1.033520139	0.035742872	up-regulated gene
POU5F2	ENSG00000248483	1.033519811	0.020849891	up-regulated gene
ZNF124	ENSG00000196418	1.033415113	1.4549E-05	up-regulated gene
AC004678.2	ENSG00000279653	1.033268476	0.011107249	up-regulated gene
AC006116.8	ENSG00000267549	1.033264041	0.000715923	up-regulated gene
PON1	ENSG00000005421	1.033213337	0.097496231	up-regulated gene
AL606534.1	ENSG00000227230	1.033181529	0.008507325	up-regulated gene
FGF12-AS2	ENSG00000230126	1.033106022	0.101294973	up-regulated gene
AC068987.3	ENSG00000261586	1.033093451	0.01694815	up-regulated gene
ADAT3	ENSG00000213638	1.032921871	6.03838E-06	up-regulated gene
ZNF90	ENSG00000213988	1.032676833	0.005666351	up-regulated gene
AC139783.2	ENSG00000250914	1.03267595	0.293282917	up-regulated gene
HMGB3P4	ENSG00000228808	1.032594754	0.030845057	up-regulated gene
PLK5	ENSG00000185988	1.032591988	0.028599697	up-regulated gene
LINC02747	ENSG00000255774	1.032337132	0.169821953	up-regulated gene
DNMT1	ENSG00000130816	1.032310323	2.23544E-09	up-regulated gene
MIR644A	ENSG00000207997	1.032228933	0.287352907	up-regulated gene
SYCP1	ENSG00000198765	1.032066052	0.277374895	up-regulated gene
FADS2	ENSG00000134824	1.031963564	0.007564617	up-regulated gene
LUZP4	ENSG00000102021	1.031895273	0.452075871	up-regulated gene
IGLV2-8	ENSG00000278196	1.03183809	0.087888389	up-regulated gene
TSTA3	ENSG00000104522	1.031717217	1.20645E-09	up-regulated gene
RNU6-438P	ENSG00000202431	1.031678889	0.039849636	up-regulated gene
LINC02813	ENSG00000225334	1.031613733	0.266201758	up-regulated gene
AL137028.1	ENSG00000274727	1.031195902	0.486149793	up-regulated gene
AP000751.1	ENSG00000206847	1.03113855	0.274987645	up-regulated gene
AC079336.1	ENSG00000263717	1.03111747	0.092658834	up-regulated gene
AL033381.2	ENSG00000270937	1.030989027	0.20273201	up-regulated gene
ABCA17P	ENSG00000238098	1.030908968	0.01978936	up-regulated gene
MIR3680-1	ENSG00000265462	1.030907756	0.210790562	up-regulated gene
GUCY2GP	ENSG00000243316	1.030884129	0.16259818	up-regulated gene
OAS1	ENSG00000089127	1.030883224	0.000207494	up-regulated gene
HOXD11	ENSG00000128713	1.030855733	0.046006842	up-regulated gene
OXCT2	ENSG00000198754	1.030715511	0.001525116	up-regulated gene
AL160290.1	ENSG00000225152	1.030606117	0.230579381	up-regulated gene
AC098827.1	ENSG00000248466	1.030506863	0.089569543	up-regulated gene
AL451085.1	ENSG00000270361	1.030401963	0.005013449	up-regulated gene
RPS4Y2	ENSG00000280969	1.030397801	0.210426886	up-regulated gene
VAV2	ENSG00000160293	1.030384634	5.00338E-06	up-regulated gene
DSG2-AS1	ENSG00000264859	1.030144517	0.00069388	up-regulated gene
RBM12B-AS1	ENSG00000279331	1.030082142	8.03122E-05	up-regulated gene

AL121601.2	ENSG00000237025	1.030072483	0.045827487	up-regulated gene
AC138393.2	ENSG00000229930	1.029850681	0.075525441	up-regulated gene
RNU6-577P	ENSG00000252756	1.029598794	0.213237768	up-regulated gene
CCDC137	ENSG00000185298	1.02955864	2.95873E-14	up-regulated gene
AL627311.1	ENSG00000236073	1.029200318	0.318946206	up-regulated gene
TMEM223	ENSG00000168569	1.02912468	1.2058E-12	up-regulated gene
Y_RNA	ENSG00000252357	1.029084562	0.155636992	up-regulated gene
CCER2	ENSG00000262484	1.028586928	0.010034422	up-regulated gene
RN7SL236P	ENSG00000243870	1.028387657	0.130779293	up-regulated gene
AC144836.1	ENSG00000262213	1.028163011	0.233270038	up-regulated gene
RNY4P10	ENSG00000202441	1.028160677	2.57759E-05	up-regulated gene
AL031289.1	ENSG00000237899	1.028118435	0.003353243	up-regulated gene
HIGD2B	ENSG00000175202	1.027949602	0.063874945	up-regulated gene
IL32	ENSG00000008517	1.027741923	0.007609167	up-regulated gene
AL662797.1	ENSG00000272540	1.027588795	9.28338E-06	up-regulated gene
PABPC1P1	ENSG00000231707	1.027527355	0.011318255	up-regulated gene
LINC01508	ENSG00000231107	1.027462481	0.200595777	up-regulated gene
TMEM169	ENSG00000163449	1.027430484	0.007415075	up-regulated gene
COL5A3	ENSG00000080573	1.027392247	0.002857604	up-regulated gene
HDAC1P1	ENSG00000234724	1.027376014	0.078621741	up-regulated gene
AL590617.2	ENSG00000225177	1.02725167	1.07786E-05	up-regulated gene
Z83839.1	ENSG00000237439	1.027136733	0.42091623	up-regulated gene
MIR663AHG	ENSG00000227195	1.027075408	0.19130898	up-regulated gene
AC136431.1	ENSG00000260126	1.027032961	0.37516216	up-regulated gene
AC020656.2	ENSG00000274979	1.0269745	0.055843502	up-regulated gene
CFAP92	ENSG00000114656	1.026723647	0.006165511	up-regulated gene
RPS26P34	ENSG00000240427	1.026719484	0.293276876	up-regulated gene
AC024060.2	ENSG00000271870	1.02650398	3.72547E-06	up-regulated gene
CGAS	ENSG00000164430	1.026400824	0.000152844	up-regulated gene
AC079600.3	ENSG00000258068	1.026307505	0.195858869	up-regulated gene
PDCL2	ENSG00000163440	1.026248652	0.251383497	up-regulated gene
AKR1B10P1	ENSG00000213606	1.025763901	0.232557634	up-regulated gene
HENMT1	ENSG00000162639	1.025686953	1.0577E-07	up-regulated gene
UBXN11	ENSG00000158062	1.025367936	9.65931E-08	up-regulated gene
MKRN7P	ENSG00000225849	1.025228837	0.185706143	up-regulated gene
AC008813.1	ENSG00000255875	1.025122625	0.009942997	up-regulated gene
WVVOX-AS1	ENSG00000260969	1.025006276	0.450633151	up-regulated gene
NXNL2	ENSG00000130045	1.024982552	0.011889599	up-regulated gene
GGT8P	ENSG00000236969	1.024923676	0.285180708	up-regulated gene
AC012213.2	ENSG00000261670	1.024887499	0.017490295	up-regulated gene
ATAT1	ENSG00000137343	1.024577674	1.78838E-07	up-regulated gene
AP003119.1	ENSG00000254632	1.02442794	0.30971915	up-regulated gene
HK3	ENSG00000160883	1.024369975	0.01514928	up-regulated gene
AC005077.2	ENSG00000224273	1.024295987	0.114820925	up-regulated gene
MAD2L2	ENSG00000116670	1.024216152	3.81157E-07	up-regulated gene
RNA5SP202	ENSG00000201185	1.024152594	0.384280105	up-regulated gene
AC010201.1	ENSG00000271259	1.023975853	0.006230989	up-regulated gene
SLC25A39	ENSG00000013306	1.0239283	1.08698E-13	up-regulated gene
AC093014.1	ENSG00000258090	1.023894659	0.035489363	up-regulated gene

SPINT2	ENSG00000167642	1.023855838	9.17195E-06	up-regulated gene
LHFPL3-AS1	ENSG00000226869	1.023850318	0.279183609	up-regulated gene
RPL36AP48	ENSG00000213180	1.023795766	0.201665049	up-regulated gene
AC009927.1	ENSG00000250031	1.023785176	0.018196548	up-regulated gene
FCF1P8	ENSG00000251111	1.023783968	0.173360116	up-regulated gene
PPP4R1-AS1	ENSG00000263627	1.023541559	0.001452151	up-regulated gene
MDC1-AS1	ENSG00000224328	1.023316953	0.113678725	up-regulated gene
NUDT5	ENSG00000165609	1.02307805	2.70352E-12	up-regulated gene
AC080013.4	ENSG00000272087	1.022915602	0.008004244	up-regulated gene
AL161636.1	ENSG00000229699	1.02255713	0.222980708	up-regulated gene
SPATA31C1	ENSG00000230246	1.022432979	0.421582388	up-regulated gene
AC018653.3	ENSG00000256967	1.022261761	1.66194E-05	up-regulated gene
AC091060.1	ENSG00000278986	1.02217282	0.000398396	up-regulated gene
GPT2	ENSG00000166123	1.022169594	3.32464E-05	up-regulated gene
TRMT2B-AS1	ENSG00000225839	1.021999241	0.150674366	up-regulated gene
AP000580.1	ENSG00000219529	1.021724993	4.88327E-05	up-regulated gene
ZNF528-AS1	ENSG00000269834	1.021719455	0.000522641	up-regulated gene
AC005828.6	ENSG00000271749	1.02163001	0.045797329	up-regulated gene
TMEM121B	ENSG00000183307	1.021455454	0.002138192	up-regulated gene
NTAN1P3	ENSG00000256355	1.021035237	0.288156747	up-regulated gene
RPL11P4	ENSG00000184111	1.02099946	0.294182325	up-regulated gene
AL596094.1	ENSG00000272764	1.020927833	6.86592E-06	up-regulated gene
AL031666.2	ENSG00000267882	1.020883007	0.004971102	up-regulated gene
Y_RNA	ENSG00000200261	1.020750132	0.253485686	up-regulated gene
PLAC8L1	ENSG00000173261	1.020256591	0.002973695	up-regulated gene
AC006065.4	ENSG00000256732	1.020037516	0.537623718	up-regulated gene
LINC00680	ENSG00000215190	1.019978082	8.57857E-09	up-regulated gene
AC245100.2	ENSG00000225871	1.019960248	0.004051603	up-regulated gene
AC022166.1	ENSG00000260706	1.019845762	0.594894778	up-regulated gene
AL162595.1	ENSG00000177788	1.019636725	5.39237E-05	up-regulated gene
HTR1F	ENSG00000179097	1.019620086	0.031415412	up-regulated gene
CACNB1	ENSG00000067191	1.019426145	1.90554E-05	up-regulated gene
MMS22L	ENSG00000146263	1.019349675	1.4124E-08	up-regulated gene
PRKCZ	ENSG00000067606	1.019268443	2.81832E-08	up-regulated gene
LINC01431	ENSG00000232645	1.019146574	0.000194732	up-regulated gene
OPRM1	ENSG00000112038	1.019145603	0.22164285	up-regulated gene
CXXC5-AS1	ENSG00000250635	1.019084372	0.184372251	up-regulated gene
ACP6	ENSG00000162836	1.018798121	7.60956E-05	up-regulated gene
RFC2	ENSG00000049541	1.018768933	2.12394E-12	up-regulated gene
CRABP1	ENSG00000166426	1.018758167	0.114172524	up-regulated gene
FBXW9	ENSG00000132004	1.018607758	6.87872E-13	up-regulated gene
MRPS26	ENSG00000125901	1.018484443	8.84602E-11	up-regulated gene
SNORD83A	ENSG00000209482	1.018389807	0.003724305	up-regulated gene
MIR3976HG	ENSG00000261738	1.018382126	0.540369439	up-regulated gene
OR5H3P	ENSG00000249975	1.018247255	0.72767019	up-regulated gene
SH3TC2	ENSG00000169247	1.018239031	0.001932524	up-regulated gene
RAD18	ENSG00000070950	1.018148531	3.75996E-10	up-regulated gene
RNFT1P3	ENSG00000187870	1.018106672	0.039807411	up-regulated gene
CCDC58	ENSG00000160124	1.018043329	1.05171E-14	up-regulated gene

TCAP	ENSG00000173991	1.018030493	0.000323473	up-regulated gene
AC013470.1	ENSG00000224667	1.017892251	0.132136782	up-regulated gene
AC104986.1	ENSG00000253180	1.017844987	0.015459242	up-regulated gene
AL031674.1	ENSG00000232294	1.017819977	0.298439634	up-regulated gene
CASP6	ENSG00000138794	1.017774089	5.17317E-12	up-regulated gene
AC079594.2	ENSG00000248710	1.01753536	0.074841019	up-regulated gene
RPS23P3	ENSG00000244099	1.017534414	0.399947345	up-regulated gene
TNRC6C-AS1	ENSG00000204282	1.017400586	1.9361E-05	up-regulated gene
HSPE1P6	ENSG00000232917	1.017370859	0.011352119	up-regulated gene
TRIT1	ENSG00000043514	1.017255706	1.24959E-07	up-regulated gene
EEF1DP7	ENSG00000263883	1.017002986	0.093919392	up-regulated gene
ERHP1	ENSG00000254270	1.016843391	0.054412718	up-regulated gene
AL390728.6	ENSG00000259865	1.016842671	4.26928E-06	up-regulated gene
LINC02340	ENSG00000275294	1.016837792	0.019478159	up-regulated gene
RAP1AP	ENSG00000258769	1.016746678	0.063861352	up-regulated gene
KRT8P36	ENSG00000240668	1.016653538	0.001028028	up-regulated gene
POP7	ENSG00000172336	1.016593685	2.36409E-12	up-regulated gene
EBP	ENSG00000147155	1.01649081	6.51622E-09	up-regulated gene
MRGBP	ENSG00000101189	1.016453251	2.8975E-14	up-regulated gene
OLA1P3	ENSG00000257966	1.016402827	0.084755483	up-regulated gene
C15orf56	ENSG00000176753	1.016198519	0.000338503	up-regulated gene
FAM186A	ENSG00000185958	1.016098056	0.0011905	up-regulated gene
OLFML2B	ENSG00000162745	1.015931393	0.004445025	up-regulated gene
ANKRD20A17P	ENSG00000251056	1.01592564	0.223528195	up-regulated gene
AC242426.1	ENSG00000213226	1.015920848	0.192724628	up-regulated gene
KRT18P32	ENSG00000215149	1.015802192	0.201934966	up-regulated gene
FP565260.2	ENSG00000276612	1.015791028	0.163543917	up-regulated gene
AL356653.1	ENSG00000233514	1.015775075	0.00294136	up-regulated gene
SLC6A6	ENSG00000131389	1.015507292	1.50053E-05	up-regulated gene
AC008115.1	ENSG00000256658	1.015477602	0.110591063	up-regulated gene
POU3F1	ENSG00000185668	1.015378278	0.055511688	up-regulated gene
AC063943.1	ENSG00000222601	1.015310077	0.093297648	up-regulated gene
KLRG2	ENSG00000188883	1.015306005	0.030824325	up-regulated gene
Metazoa_SRP	ENSG00000275586	1.01515268	0.208552336	up-regulated gene
AC007849.1	ENSG00000242795	1.015142544	0.077377904	up-regulated gene
CATIP	ENSG00000158428	1.014908475	0.005007656	up-regulated gene
SCARNA3	ENSG00000252906	1.014547859	0.362617509	up-regulated gene
PROKR2	ENSG00000101292	1.014484926	0.388164652	up-regulated gene
ZNF841	ENSG00000197608	1.014452708	4.20718E-05	up-regulated gene
AKR1B1P1	ENSG00000229991	1.014444505	0.146844135	up-regulated gene
CMTM8	ENSG00000170293	1.014434364	4.86727E-05	up-regulated gene
RN7SKP240	ENSG00000222515	1.014414242	0.362848058	up-regulated gene
KRTAP19-5	ENSG00000186977	1.014292281	0.695304538	up-regulated gene
KPTN	ENSG00000118162	1.014245349	2.26056E-09	up-regulated gene
RNU6-48P	ENSG00000206888	1.014017407	0.069267805	up-regulated gene
LRRC39	ENSG00000122477	1.013995871	2.3959E-05	up-regulated gene
H2AB1	ENSG00000274183	1.013620914	0.346202794	up-regulated gene
PFN4	ENSG00000176732	1.013489177	1.32668E-05	up-regulated gene
AC027801.3	ENSG00000249176	1.013277032	0.206214604	up-regulated gene

SLC26A9	ENSG00000174502	1.013176037	0.050424639	up-regulated gene
KYNU	ENSG00000115919	1.013163955	0.010174634	up-regulated gene
AC118344.2	ENSG00000279759	1.013099047	0.000425849	up-regulated gene
C5orf64-AS1	ENSG00000251575	1.012962322	0.244017505	up-regulated gene
CCDC167	ENSG00000198937	1.012937897	2.84593E-08	up-regulated gene
ZNF215	ENSG00000149054	1.012920526	0.002214353	up-regulated gene
PRRG2	ENSG00000126460	1.012721774	2.57864E-05	up-regulated gene
WFDC10A	ENSG00000180305	1.012600863	0.256591849	up-regulated gene
AL049828.1	ENSG00000258526	1.012582351	0.008769143	up-regulated gene
HEATR9	ENSG00000270379	1.012516464	0.019018311	up-regulated gene
PRB1	ENSG00000251655	1.012066203	0.472897957	up-regulated gene
AL138831.1	ENSG00000230648	1.011881766	0.018158152	up-regulated gene
AC021443.1	ENSG00000271543	1.011572821	0.127435837	up-regulated gene
AC008770.1	ENSG00000257355	1.011571656	0.037268092	up-regulated gene
MIR6813	ENSG00000274034	1.011552268	0.107786469	up-regulated gene
AL138713.1	ENSG00000280348	1.011528686	0.445260596	up-regulated gene
AC131391.1	ENSG00000260601	1.011494348	0.316804083	up-regulated gene
AC073878.1	ENSG00000261570	1.011431769	0.106450231	up-regulated gene
UQCC3	ENSG00000204922	1.011376634	2.70067E-07	up-regulated gene
AMELY	ENSG00000099721	1.010950591	0.426805057	up-regulated gene
BEND3	ENSG00000178409	1.010751567	9.48397E-08	up-regulated gene
DNAJC5B	ENSG00000147570	1.010711065	0.022603211	up-regulated gene
LINC01251	ENSG00000233776	1.010602823	0.067132153	up-regulated gene
RPS15AP29	ENSG00000237827	1.010571537	0.140613254	up-regulated gene
AL391069.2	ENSG00000273481	1.010510491	0.080910821	up-regulated gene
ERBB3	ENSG00000065361	1.010375887	0.000836504	up-regulated gene
AL441992.1	ENSG00000223478	1.010342028	3.77552E-06	up-regulated gene
PPIAP47	ENSG00000260815	1.010227812	0.040269694	up-regulated gene
FP325331.1	ENSG00000278881	1.009685395	0.017396497	up-regulated gene
HMGB3P21	ENSG00000224551	1.009590809	0.245004452	up-regulated gene
CLN6	ENSG00000128973	1.009589634	1.68176E-10	up-regulated gene
RNU6-1238P	ENSG00000253024	1.009566867	0.047563514	up-regulated gene
SNRPF	ENSG00000139343	1.009355151	3.10301E-09	up-regulated gene
AL390838.1	ENSG00000227463	1.009247155	0.203046208	up-regulated gene
AL360091.3	ENSG00000234915	1.009243874	0.210644409	up-regulated gene
AC112694.2	ENSG00000279837	1.009077119	0.001706128	up-regulated gene
AKR1E2	ENSG00000165568	1.009030719	0.005372474	up-regulated gene
OR7A19P	ENSG00000272963	1.009018433	0.275006113	up-regulated gene
C17orf77	ENSG00000182352	1.008992145	0.319199376	up-regulated gene
INCENP	ENSG00000149503	1.008865113	7.23341E-08	up-regulated gene
UPK3B	ENSG00000243566	1.008669025	0.039263379	up-regulated gene
GPAA1P2	ENSG00000230596	1.008556353	0.097767334	up-regulated gene
AL592430.1	ENSG00000232682	1.008253709	0.019062538	up-regulated gene
AC091544.4	ENSG00000260337	1.008108144	0.086397113	up-regulated gene
IGHG2	ENSG00000211893	1.008015631	0.069573309	up-regulated gene
RN7SL558P	ENSG00000243260	1.007915249	0.059366231	up-regulated gene
KIR3DL3	ENSG00000242019	1.007870098	0.360128583	up-regulated gene
TAGLN2	ENSG00000158710	1.007753288	3.51988E-06	up-regulated gene
AL162457.2	ENSG00000225106	1.007307154	0.22517905	up-regulated gene

AL603839.3	ENSG00000238287	1.007111054	0.000480447	up-regulated gene
CNPY2	ENSG00000257727	1.007007028	1.87281E-10	up-regulated gene
HMG2P11	ENSG00000232605	1.006994811	0.157129489	up-regulated gene
AC010240.3	ENSG00000272023	1.006883082	0.028078483	up-regulated gene
H3P13	ENSG00000243977	1.006862616	0.05869411	up-regulated gene
AC068446.1	ENSG00000237161	1.006688783	0.214568401	up-regulated gene
TEX30	ENSG00000151287	1.006615547	1.54416E-07	up-regulated gene
COX17P1	ENSG00000205105	1.00659866	0.00042655	up-regulated gene
MIR6859-4	ENSG00000278739	1.006242929	0.130546524	up-regulated gene
CEP72	ENSG00000112877	1.005946636	8.12658E-07	up-regulated gene
SH3BP2	ENSG00000087266	1.00583389	5.98238E-11	up-regulated gene
SNORA30	ENSG00000206755	1.005708018	0.359617105	up-regulated gene
AP002518.1	ENSG00000256195	1.005563526	0.187110234	up-regulated gene
AL604028.2	ENSG00000234329	1.005545413	0.001504237	up-regulated gene
NPM1P30	ENSG00000228219	1.005460953	0.154098616	up-regulated gene
LYPD6B	ENSG00000150556	1.005458586	0.003164731	up-regulated gene
AC004069.1	ENSG00000251259	1.005379762	0.000695382	up-regulated gene
STAC3	ENSG00000185482	1.005203634	1.71091E-05	up-regulated gene
IGLL4P	ENSG00000276427	1.005083969	0.398093039	up-regulated gene
CYB5R2	ENSG00000166394	1.005069058	3.96269E-05	up-regulated gene
CPAMD8	ENSG00000160111	1.004809353	0.013455842	up-regulated gene
LINC02874	ENSG00000257137	1.004664278	0.112809745	up-regulated gene
IGLV3-29	ENSG00000253338	1.004595811	0.282902811	up-regulated gene
AC084024.2	ENSG00000248585	1.004564452	0.20851223	up-regulated gene
NARF-IT1	ENSG00000266236	1.004552268	0.0006029	up-regulated gene
FOXD4L3	ENSG00000187559	1.004545341	0.108076419	up-regulated gene
RGS17	ENSG00000091844	1.00451783	0.003547141	up-regulated gene
AL160286.1	ENSG00000227141	1.004279397	0.063369734	up-regulated gene
VENTXP5	ENSG00000253569	1.004190683	0.5065252	up-regulated gene
TPRKBP2	ENSG00000260452	1.004044075	0.223760722	up-regulated gene
AC092910.1	ENSG00000239835	1.003981246	0.105524259	up-regulated gene
STRCP1	ENSG00000166763	1.003926155	0.005994551	up-regulated gene
SLC39A11	ENSG00000133195	1.003907468	2.05259E-09	up-regulated gene
AC091799.1	ENSG00000224172	1.003906849	0.02649531	up-regulated gene
CREB3L4	ENSG00000143578	1.00388662	1.10591E-06	up-regulated gene
ABRACL	ENSG00000146386	1.00386812	7.8851E-09	up-regulated gene
RNU7-170P	ENSG00000239082	1.003784194	0.112458645	up-regulated gene
MIR4713HG	ENSG00000259240	1.00373573	0.002840677	up-regulated gene
UBAC2-AS1	ENSG00000228889	1.003521406	8.22404E-06	up-regulated gene
MISP3	ENSG00000141854	1.003264759	0.001352152	up-regulated gene
H3P25	ENSG00000275506	1.003220587	0.067645483	up-regulated gene
AL360081.1	ENSG00000224001	1.003015446	0.184910415	up-regulated gene
APOBEC3H	ENSG00000100298	1.002700547	0.001621987	up-regulated gene
C1orf147	ENSG00000162888	1.002689709	0.00267317	up-regulated gene
GAPDHP69	ENSG00000223460	1.002626739	0.029597093	up-regulated gene
RNU6-1141P	ENSG00000201390	1.002574184	0.546789865	up-regulated gene
KRT18P20	ENSG00000257758	1.002559572	0.055686428	up-regulated gene
AC233992.3	ENSG00000272115	1.002387506	0.000338168	up-regulated gene
KRT18P64	ENSG00000213211	1.002046568	0.112131411	up-regulated gene

NT5CP1	ENSG00000258524	1.001983841	0.060902098	up-regulated gene
AC022140.1	ENSG00000248605	1.001946971	0.312266534	up-regulated gene
AL035425.3	ENSG00000261409	1.001856374	0.097505444	up-regulated gene
MOV10L1	ENSG00000073146	1.001813721	0.007334044	up-regulated gene
UPK3BP1	ENSG00000242435	1.001622878	0.030803626	up-regulated gene
TRIM46	ENSG00000163462	1.001602556	0.000306531	up-regulated gene
PPFIA3	ENSG00000177380	1.001491651	8.08819E-05	up-regulated gene
GLIS3-AS1	ENSG00000237009	1.001462178	0.09998906	up-regulated gene
SARS2	ENSG00000104835	1.001273002	2.49055E-08	up-regulated gene
AC079880.1	ENSG00000270228	1.001272624	1.60206E-06	up-regulated gene
KRT8P34	ENSG00000264663	1.001135632	0.110723659	up-regulated gene
UGT1A4	ENSG00000244474	1.001075063	0.118243595	up-regulated gene
AP002387.1	ENSG00000254682	1.001068641	2.44879E-05	up-regulated gene
RUVBL1	ENSG00000175792	1.000964684	1.34289E-11	up-regulated gene
TAS2R4	ENSG00000127364	1.000865306	0.002974703	up-regulated gene
BOLA1	ENSG00000178096	1.000826858	3.40043E-07	up-regulated gene
AC015961.1	ENSG00000267651	1.000684947	0.069138597	up-regulated gene
RN7SL455P	ENSG00000264047	1.000680929	0.18231409	up-regulated gene
MRPL15P1	ENSG00000259441	1.000620655	0.213419187	up-regulated gene
KIF5A	ENSG00000155980	1.00050829	0.030992604	up-regulated gene
PTK7	ENSG00000112655	1.000499139	1.78736E-05	up-regulated gene
AC092718.1	ENSG00000245059	1.000470132	0.036169082	up-regulated gene
CPNE7	ENSG00000178773	1.000424134	0.022456466	up-regulated gene
USP21	ENSG00000143258	1.000311384	2.80952E-08	up-regulated gene
TPM1-AS	ENSG00000259498	-1.000036141	0.017293568	down-regulated gene
CBLN4	ENSG00000054803	-1.000046268	0.110841298	down-regulated gene
NACAP10	ENSG00000254253	-1.000369726	0.385634814	down-regulated gene
VAMP2	ENSG00000220205	-1.000447998	1.08277E-11	down-regulated gene
BTNL2	ENSG00000204290	-1.000587766	0.171516581	down-regulated gene
TXNIP	ENSG00000265972	-1.00070548	6.0901E-05	down-regulated gene
LINC00304	ENSG00000180422	-1.000959126	0.042966839	down-regulated gene
MYL6P2	ENSG00000235808	-1.001027817	0.02134337	down-regulated gene
MIR744	ENSG00000266297	-1.001493899	0.026524666	down-regulated gene
ADGRF5P2	ENSG00000204818	-1.001498043	0.046302678	down-regulated gene
RPS4XP3	ENSG00000214541	-1.001577558	0.000908881	down-regulated gene
RPL10P14	ENSG00000260031	-1.001727945	0.01094638	down-regulated gene
AL354893.1	ENSG00000223849	-1.00237267	0.000226869	down-regulated gene
KIAA2012	ENSG00000182329	-1.002489817	0.01740359	down-regulated gene
MIR3671	ENSG00000265996	-1.002646486	0.014435563	down-regulated gene
CEP68	ENSG00000011523	-1.002954746	2.35051E-14	down-regulated gene
CCDC81	ENSG00000149201	-1.002995254	6.85806E-08	down-regulated gene
AL445649.1	ENSG00000276740	-1.00306569	0.166480992	down-regulated gene
CHURC1	ENSG00000258289	-1.003146056	1.4306E-10	down-regulated gene
CELA1	ENSG00000139610	-1.003207834	0.104756519	down-regulated gene
EIF4BP6	ENSG00000197258	-1.003215928	2.50079E-08	down-regulated gene
EEF1A1	ENSG00000156508	-1.003438334	2.73168E-12	down-regulated gene
AC120024.4	ENSG00000279273	-1.00351898	0.311819771	down-regulated gene
AC069542.2	ENSG00000280126	-1.0039177	0.235803174	down-regulated gene
AC090013.1	ENSG00000239374	-1.004131001	0.001178397	down-regulated gene

AP001172.1	ENSG00000270071	-1.004155867	0.394892847	down-regulated gene
GPX3	ENSG00000211445	-1.004209643	0.032178711	down-regulated gene
SLC25A12	ENSG00000115840	-1.004372433	4.61394E-11	down-regulated gene
FP236383.1	ENSG00000274868	-1.004520589	0.732204715	down-regulated gene
AVPI1	ENSG00000119986	-1.00467616	0.000187305	down-regulated gene
ENAH	ENSG00000154380	-1.004702224	2.16797E-07	down-regulated gene
AL356317.1	ENSG00000213754	-1.005230411	0.000612828	down-regulated gene
AL161457.2	ENSG00000233178	-1.005530561	0.000670093	down-regulated gene
NOS2P1	ENSG00000265788	-1.005643879	0.664032625	down-regulated gene
AC091179.2	ENSG00000244559	-1.006015181	0.514766093	down-regulated gene
PRICKLE1	ENSG00000139174	-1.006094982	0.006021258	down-regulated gene
AC010754.1	ENSG00000265752	-1.006418751	0.048291025	down-regulated gene
AC097505.1	ENSG00000272995	-1.006478762	0.002493868	down-regulated gene
HYAL1	ENSG00000114378	-1.006540393	0.009248052	down-regulated gene
AL731577.1	ENSG00000226899	-1.006557865	0.089578928	down-regulated gene
P2RY10	ENSG00000078589	-1.006566293	0.022147687	down-regulated gene
CSPG4P13	ENSG00000260139	-1.007220001	0.034703586	down-regulated gene
AC023050.1	ENSG00000244436	-1.007813964	0.488323848	down-regulated gene
AC106872.5	ENSG00000248645	-1.008026243	0.427975884	down-regulated gene
AP000317.2	ENSG00000272657	-1.00804033	0.002339799	down-regulated gene
GOLGA8N	ENSG00000232653	-1.008086733	0.000440594	down-regulated gene
AC025259.2	ENSG00000258021	-1.008326059	0.375843345	down-regulated gene
LGI3	ENSG00000168481	-1.008385029	0.083040967	down-regulated gene
RAB3IL1	ENSG00000167994	-1.008914027	0.00208787	down-regulated gene
NRN1	ENSG00000124785	-1.009158502	0.015254585	down-regulated gene
AC007336.3	ENSG00000279030	-1.009999066	0.056432984	down-regulated gene
AL512622.1	ENSG00000235010	-1.010180191	0.247930844	down-regulated gene
CPXM1	ENSG00000088882	-1.010242735	0.02469334	down-regulated gene
EEF1A1P2	ENSG00000258841	-1.010291683	0.012544113	down-regulated gene
AC005790.1	ENSG00000274447	-1.010390049	0.048495364	down-regulated gene
AC148477.3	ENSG00000256943	-1.010396917	0.331610704	down-regulated gene
CD52	ENSG00000169442	-1.010475085	0.012893765	down-regulated gene
STX11	ENSG00000135604	-1.010718579	0.000979668	down-regulated gene
AC092756.1	ENSG00000259771	-1.010739263	0.001780348	down-regulated gene
AC026150.3	ENSG00000260784	-1.011115161	0.136475209	down-regulated gene
AC083805.3	ENSG00000273805	-1.011181854	0.115091817	down-regulated gene
AC092865.2	ENSG00000256136	-1.011462031	0.82074158	down-regulated gene
AC005520.2	ENSG00000259065	-1.011620731	5.80993E-05	down-regulated gene
AC007342.7	ENSG00000279722	-1.011730442	4.39117E-06	down-regulated gene
IGLV3-24	ENSG00000253822	-1.012184232	0.353201903	down-regulated gene
TNRC18P3	ENSG00000189166	-1.012200559	0.002881071	down-regulated gene
CERS4	ENSG00000090661	-1.012223509	0.007558406	down-regulated gene
VSIR	ENSG00000107738	-1.012270257	2.2935E-05	down-regulated gene
AC110995.1	ENSG00000236120	-1.012395164	0.034547582	down-regulated gene
TBC1D10C	ENSG00000175463	-1.012525705	0.007264914	down-regulated gene
AC010163.1	ENSG00000229543	-1.012679871	0.516312858	down-regulated gene
RPL12P47	ENSG00000219222	-1.012761903	0.091116992	down-regulated gene
NENFP2	ENSG00000258288	-1.012779924	0.539549318	down-regulated gene
MMP2	ENSG00000087245	-1.012800091	0.004412307	down-regulated gene

HMGB3P22	ENSG00000225051	-1.012870685	0.000649974	down-regulated gene
MIR8071-1	ENSG00000274172	-1.013021365	0.217954819	down-regulated gene
MTHFD2P1	ENSG00000244681	-1.013069083	0.190531899	down-regulated gene
AL353597.3	ENSG00000279942	-1.013773393	0.130848669	down-regulated gene
AC021231.3	ENSG00000259665	-1.013809624	0.007371669	down-regulated gene
PABPN1L	ENSG00000205022	-1.014202106	0.144670629	down-regulated gene
ZNF331	ENSG00000130844	-1.014380075	0.000132504	down-regulated gene
ACSS3	ENSG00000111058	-1.014491981	0.011964277	down-regulated gene
RN7SL815P	ENSG00000243359	-1.014558178	0.633532426	down-regulated gene
AL359924.1	ENSG00000237250	-1.01489829	0.492078655	down-regulated gene
TRBV7-4	ENSG00000253409	-1.015100948	0.079615743	down-regulated gene
AC005759.1	ENSG00000268650	-1.015744034	0.004090759	down-regulated gene
AL031587.5	ENSG00000278948	-1.015953181	2.5016E-06	down-regulated gene
MRGPRD	ENSG00000172938	-1.016029338	0.184454227	down-regulated gene
MIR410	ENSG00000199092	-1.016378007	0.783309496	down-regulated gene
PPIAP67	ENSG00000237260	-1.016544799	0.017591657	down-regulated gene
RPL35AP21	ENSG00000229814	-1.016740193	0.066067397	down-regulated gene
RNU6ATAC39P	ENSG00000252118	-1.016771495	0.134975105	down-regulated gene
GAPT	ENSG00000175857	-1.017193178	0.012716852	down-regulated gene
LMNA	ENSG00000160789	-1.017508555	8.99614E-09	down-regulated gene
ZSWIM6	ENSG00000130449	-1.017658908	3.87134E-08	down-regulated gene
AC008764.2	ENSG00000268087	-1.01770957	2.26092E-05	down-regulated gene
MIR342	ENSG00000199082	-1.01788364	0.058033941	down-regulated gene
C22orf39	ENSG00000242259	-1.017887112	2.4446E-12	down-regulated gene
TSPAN32	ENSG00000064201	-1.017945494	0.005044895	down-regulated gene
SCEL	ENSG00000136155	-1.018036548	0.111415804	down-regulated gene
SLC16A2	ENSG00000147100	-1.018411045	0.001774176	down-regulated gene
AP000317.1	ENSG00000214955	-1.018575098	0.016131837	down-regulated gene
GIMAP1	ENSG00000213203	-1.018654036	0.00052208	down-regulated gene
AL160314.1	ENSG00000242061	-1.018766922	0.202582137	down-regulated gene
CHTF8P1	ENSG00000233543	-1.019195641	0.0223154	down-regulated gene
AC004543.1	ENSG00000237921	-1.019279144	0.006082206	down-regulated gene
RPL7P12	ENSG00000227770	-1.019439958	0.022402999	down-regulated gene
RN7SL842P	ENSG00000243066	-1.019583523	0.515599255	down-regulated gene
SLC7A14	ENSG00000013293	-1.019890643	0.117055555	down-regulated gene
ID2-AS1	ENSG00000235092	-1.020033581	0.001631266	down-regulated gene
ZNF135	ENSG00000176293	-1.020299308	0.00910456	down-regulated gene
CYSLTR1	ENSG00000173198	-1.020380443	0.003362824	down-regulated gene
WDR95P	ENSG00000231894	-1.020657134	0.64146758	down-regulated gene
AC012485.1	ENSG00000225057	-1.021156279	0.00122662	down-regulated gene
AC244157.2	ENSG00000275772	-1.021165639	0.184373754	down-regulated gene
AC104117.1	ENSG00000213328	-1.02117316	0.214489949	down-regulated gene
AC022916.3	ENSG00000267744	-1.021343625	0.326563146	down-regulated gene
SCML4	ENSG00000146285	-1.021501621	0.0198713	down-regulated gene
IL17F	ENSG00000112116	-1.021880867	0.245590452	down-regulated gene
LECT2	ENSG00000145826	-1.021984229	0.368574536	down-regulated gene
AC015908.4	ENSG00000266114	-1.02226147	0.203694121	down-regulated gene
SMIM10L2B	ENSG00000196972	-1.022405283	3.02824E-05	down-regulated gene
AC007541.1	ENSG00000260329	-1.022482385	4.4995E-05	down-regulated gene

WIPF1	ENSG00000115935	-1.022640399	0.000317541	down-regulated gene
AC083904.1	ENSG00000242140	-1.022788427	0.11906445	down-regulated gene
POU2F2	ENSG00000028277	-1.022827756	0.001440792	down-regulated gene
GLT8D2	ENSG00000120820	-1.022875692	0.00292684	down-regulated gene
NRIP2	ENSG00000053702	-1.022924889	4.21172E-08	down-regulated gene
RNY4P6	ENSG00000200537	-1.02294625	0.186342374	down-regulated gene
AL450344.3	ENSG00000232891	-1.022981299	0.010107458	down-regulated gene
SOX8	ENSG00000005513	-1.023124345	0.018307688	down-regulated gene
API5P1	ENSG00000234558	-1.023944894	0.005105255	down-regulated gene
EEF1A1P13	ENSG00000250182	-1.024156902	4.94717E-07	down-regulated gene
AC123768.3	ENSG00000276724	-1.02500042	0.103612355	down-regulated gene
RPL21P99	ENSG00000242986	-1.025185616	0.379739261	down-regulated gene
KCNJ12	ENSG00000184185	-1.025377543	0.036695254	down-regulated gene
TRMT9B	ENSG00000250305	-1.025786016	0.027570761	down-regulated gene
RN7SL600P	ENSG00000274963	-1.025933776	0.040408704	down-regulated gene
LPA	ENSG00000198670	-1.026653055	0.097238264	down-regulated gene
LRRC49	ENSG00000137821	-1.026667209	1.22729E-05	down-regulated gene
FUT7	ENSG00000180549	-1.026731311	0.015865642	down-regulated gene
MPPE1P1	ENSG00000258990	-1.026895532	0.54038744	down-regulated gene
HNRNPA1P1	ENSG00000218347	-1.026990308	0.056474418	down-regulated gene
RPSAP37	ENSG00000241888	-1.027005717	0.721334401	down-regulated gene
KCNH4	ENSG00000089558	-1.027160807	0.018772042	down-regulated gene
LINC01237	ENSG00000233806	-1.027663916	0.004073436	down-regulated gene
TLR10	ENSG00000174123	-1.02776073	0.047199597	down-regulated gene
FER	ENSG00000151422	-1.028318384	2.77693E-08	down-regulated gene
SLC22A17	ENSG00000092096	-1.028471318	7.04043E-05	down-regulated gene
NIPSNAP3B	ENSG00000165028	-1.028484884	1.62626E-06	down-regulated gene
AC093849.1	ENSG00000261646	-1.028875471	0.207061952	down-regulated gene
SOAT2	ENSG00000167780	-1.028916608	0.026082023	down-regulated gene
CLEC14A	ENSG00000176435	-1.029017281	1.67145E-05	down-regulated gene
AL390195.2	ENSG00000260948	-1.029096737	0.000262386	down-regulated gene
AC004129.1	ENSG00000213798	-1.029209056	0.013064749	down-regulated gene
EID1	ENSG00000255302	-1.029809431	5.59667E-18	down-regulated gene
AP000820.1	ENSG00000255605	-1.02986032	0.324548479	down-regulated gene
COL4A3	ENSG00000169031	-1.030129689	0.037045338	down-regulated gene
CHIC1	ENSG00000204116	-1.030326142	1.92453E-10	down-regulated gene
NGFR	ENSG00000064300	-1.030811054	0.038678134	down-regulated gene
ARL4D	ENSG00000175906	-1.030831339	0.001411318	down-regulated gene
TPT1P8	ENSG00000219491	-1.030942818	0.33118281	down-regulated gene
NOTO	ENSG00000214513	-1.030961213	0.180102971	down-regulated gene
LINC01402	ENSG00000228139	-1.031021147	0.010445718	down-regulated gene
RRM2P3	ENSG00000214018	-1.031178586	0.029084248	down-regulated gene
AC245884.11	ENSG00000275210	-1.031249364	0.031562725	down-regulated gene
AC233702.6	ENSG00000266050	-1.031332926	0.358043389	down-regulated gene
SEPTIN10	ENSG00000186522	-1.032246676	4.02296E-10	down-regulated gene
NOSTRIN	ENSG00000163072	-1.032358748	5.12597E-05	down-regulated gene
ACOT1	ENSG00000184227	-1.032626479	1.35465E-05	down-regulated gene
RPL10P11	ENSG00000230853	-1.0328382	0.104943766	down-regulated gene
AC006019.2	ENSG00000233363	-1.033166909	0.418137956	down-regulated gene

GNAQ	ENSG00000156052	-1.033388173	2.05826E-09	down-regulated gene
RPS4XP9	ENSG00000217404	-1.033545125	0.040882476	down-regulated gene
P2RY8	ENSG00000182162	-1.033603179	0.003083741	down-regulated gene
STBD1	ENSG00000118804	-1.033973267	1.856E-06	down-regulated gene
MIR107	ENSG00000198997	-1.033975012	0.790191432	down-regulated gene
LINC01100	ENSG00000242107	-1.034020297	0.720911684	down-regulated gene
OR2C1	ENSG00000168158	-1.034079605	0.025017068	down-regulated gene
VASN	ENSG00000168140	-1.034315212	0.000626277	down-regulated gene
MIR6757	ENSG00000278108	-1.034483229	0.121569601	down-regulated gene
AC090515.1	ENSG00000242747	-1.034879343	0.000235701	down-regulated gene
CA5B	ENSG00000169239	-1.03498083	2.23949E-12	down-regulated gene
LINC02757	ENSG00000255363	-1.035159644	0.055750856	down-regulated gene
MTND6P21	ENSG00000223431	-1.035212977	0.085156117	down-regulated gene
ALG9	ENSG00000086848	-1.035356628	5.24225E-17	down-regulated gene
SLCO1C1	ENSG00000139155	-1.03564373	0.001727526	down-regulated gene
NPR3	ENSG00000113389	-1.035649026	0.009598124	down-regulated gene
AKT3-IT1	ENSG00000228939	-1.035871913	0.208346662	down-regulated gene
RBBP4P4	ENSG00000214561	-1.035877444	0.079610093	down-regulated gene
FUNDC2P1	ENSG00000255883	-1.036322256	3.51062E-06	down-regulated gene
GPRC5A	ENSG00000013588	-1.036808504	0.004567246	down-regulated gene
AC024075.1	ENSG00000267904	-1.037009517	0.000158135	down-regulated gene
AC008429.3	ENSG00000254295	-1.037075149	0.267336245	down-regulated gene
FAM181A-AS1	ENSG00000258584	-1.037177586	0.184634259	down-regulated gene
PPP1CB	ENSG00000213639	-1.037181686	1.08453E-17	down-regulated gene
AL590399.4	ENSG00000231995	-1.037196207	0.088582864	down-regulated gene
RHOH	ENSG00000168421	-1.037460149	0.01135071	down-regulated gene
S1PR3	ENSG00000213694	-1.037460762	0.002339722	down-regulated gene
DYNC2H1	ENSG00000187240	-1.03766401	0.000210789	down-regulated gene
BARX2	ENSG00000043039	-1.03771284	0.069159251	down-regulated gene
AC069209.1	ENSG00000274029	-1.037808856	0.009449036	down-regulated gene
ACVRL1	ENSG00000139567	-1.037889465	1.34973E-05	down-regulated gene
KIF25-AS1	ENSG00000229921	-1.038158354	0.123240915	down-regulated gene
AC002310.4	ENSG00000261459	-1.038400119	0.014291206	down-regulated gene
TSPAN18-AS1	ENSG00000255032	-1.038674618	0.621193774	down-regulated gene
PEAK1	ENSG00000173517	-1.04034487	1.5044E-09	down-regulated gene
AL359771.1	ENSG00000237445	-1.040475185	0.332341793	down-regulated gene
BTLA	ENSG00000186265	-1.040611748	0.018570793	down-regulated gene
AL158211.5	ENSG00000279631	-1.040623684	0.008145299	down-regulated gene
Y_RNA	ENSG00000199476	-1.040875696	0.000553592	down-regulated gene
SPIC	ENSG00000166211	-1.041031102	0.181819432	down-regulated gene
KCNB2	ENSG00000182674	-1.041099385	0.189410737	down-regulated gene
U91328.1	ENSG00000272462	-1.04179252	9.86238E-06	down-regulated gene
SOCS2	ENSG00000120833	-1.042260272	0.00098759	down-regulated gene
COL6A3	ENSG00000163359	-1.042293655	0.006103613	down-regulated gene
TRIL	ENSG00000255690	-1.042305105	0.001283161	down-regulated gene
GNG12	ENSG00000172380	-1.042875986	1.28438E-07	down-regulated gene
PBX3	ENSG00000167081	-1.043169312	1.06009E-08	down-regulated gene
AC002511.2	ENSG00000233214	-1.043295963	0.067391156	down-regulated gene
RFLNB	ENSG00000183688	-1.043613606	0.000118877	down-regulated gene

TMEM245	ENSG00000106771	-1.04375968	2.41805E-12	down-regulated gene
AC024257.5	ENSG00000275228	-1.044092623	0.054303854	down-regulated gene
HERC1	ENSG00000103657	-1.04411108	3.24942E-13	down-regulated gene
AC004080.6	ENSG00000273433	-1.044520019	0.078902063	down-regulated gene
RNVU1-19	ENSG00000275538	-1.04486328	0.079571341	down-regulated gene
TAAR1	ENSG00000146399	-1.045030176	0.303424842	down-regulated gene
COL13A1	ENSG00000197467	-1.045799038	0.000175735	down-regulated gene
GLULP4	ENSG00000178723	-1.046318146	0.014451478	down-regulated gene
CHRNA7	ENSG00000175344	-1.046638428	0.030951495	down-regulated gene
NAALADL1	ENSG00000168060	-1.046797144	0.000563506	down-regulated gene
AC073352.2	ENSG00000272967	-1.046935864	0.374089993	down-regulated gene
UBE2NL	ENSG00000276380	-1.047130961	0.042350402	down-regulated gene
AC004486.1	ENSG00000257905	-1.047140884	0.084317545	down-regulated gene
AL109766.1	ENSG00000259137	-1.047513233	0.00306437	down-regulated gene
AC021755.1	ENSG00000259239	-1.047919256	0.706178894	down-regulated gene
LCA5	ENSG00000135338	-1.048252474	4.90682E-08	down-regulated gene
AC108868.2	ENSG00000232001	-1.048585712	0.469143924	down-regulated gene
AL121820.1	ENSG00000258623	-1.048691401	0.002074915	down-regulated gene
AP001979.1	ENSG00000213153	-1.048739393	0.178198214	down-regulated gene
AC007278.1	ENSG00000234389	-1.048781658	0.024132737	down-regulated gene
OAT	ENSG00000065154	-1.049099041	0.001428129	down-regulated gene
AP005019.2	ENSG00000276109	-1.049121037	0.569499835	down-regulated gene
SMIM5	ENSG00000204323	-1.049162711	0.011560336	down-regulated gene
AC136475.2	ENSG00000254910	-1.049246333	0.003338028	down-regulated gene
AC087286.2	ENSG00000259367	-1.049338596	0.059129205	down-regulated gene
AC022239.1	ENSG00000269954	-1.049379802	0.296734709	down-regulated gene
C1QTNF3	ENSG00000082196	-1.049405358	0.003239627	down-regulated gene
DUOX2	ENSG00000140279	-1.04949672	0.043126963	down-regulated gene
AC008567.1	ENSG00000260112	-1.049818707	0.00354329	down-regulated gene
LRP1	ENSG00000123384	-1.050121832	2.42468E-05	down-regulated gene
CHRM1	ENSG00000168539	-1.050471219	0.121434121	down-regulated gene
TSPYL1	ENSG00000189241	-1.050754444	3.38766E-17	down-regulated gene
NPIPA7	ENSG00000214967	-1.05091107	0.441637791	down-regulated gene
AC108120.1	ENSG00000228367	-1.051037294	0.196828773	down-regulated gene
Z98885.2	ENSG00000260613	-1.051300364	0.016734947	down-regulated gene
DAPK2	ENSG00000035664	-1.0513943	0.000975897	down-regulated gene
RPL22P18	ENSG00000230171	-1.05152381	0.065689625	down-regulated gene
ISY1-RAB43	ENSG00000261796	-1.051588712	0.003261488	down-regulated gene
G6PC2	ENSG00000152254	-1.051911883	0.210099997	down-regulated gene
ZNF423	ENSG00000102935	-1.052133206	0.001278211	down-regulated gene
SLN	ENSG00000170290	-1.052619076	0.054687236	down-regulated gene
AP003385.4	ENSG00000255147	-1.052774195	0.464111039	down-regulated gene
MYL6P5	ENSG00000228118	-1.05300122	0.007196156	down-regulated gene
KIAA0232	ENSG00000170871	-1.053645146	3.16936E-14	down-regulated gene
PCBP3	ENSG00000183570	-1.053766492	0.007588295	down-regulated gene
AC073172.1	ENSG00000254789	-1.053774266	0.316901609	down-regulated gene
NALCN	ENSG00000102452	-1.054135869	0.015552496	down-regulated gene
DENND5B	ENSG00000170456	-1.054268965	0.000471619	down-regulated gene
MCL1	ENSG00000143384	-1.054331246	7.14305E-10	down-regulated gene

SLC26A10	ENSG00000135502	-1.054334705	0.00258794	down-regulated gene
FAM124B	ENSG00000124019	-1.054430679	0.000490242	down-regulated gene
AC005100.1	ENSG00000260951	-1.054557395	0.530516257	down-regulated gene
LINC01736	ENSG00000228058	-1.054563729	0.108643993	down-regulated gene
FCAMR	ENSG00000162897	-1.05462089	0.149358427	down-regulated gene
RRAGD	ENSG00000025039	-1.054764592	0.000220669	down-regulated gene
EEF1GP1	ENSG00000186676	-1.054969947	0.021743594	down-regulated gene
CLIP1	ENSG00000130779	-1.055067156	4.44635E-10	down-regulated gene
AC005481.1	ENSG00000222012	-1.055517671	0.054289251	down-regulated gene
AL158198.1	ENSG00000227803	-1.056187282	0.112393751	down-regulated gene
BMPR1A	ENSG00000107779	-1.056475286	5.10767E-16	down-regulated gene
AC084337.1	ENSG00000254595	-1.056492769	5.50378E-06	down-regulated gene
TNFRSF10D	ENSG00000173530	-1.05662086	0.000403074	down-regulated gene
SOX6	ENSG00000110693	-1.056783527	0.010165516	down-regulated gene
COLCA1	ENSG00000196167	-1.056992819	0.039776481	down-regulated gene
AL139231.1	ENSG00000235743	-1.05706573	0.383537253	down-regulated gene
CIDEB	ENSG00000136305	-1.057350447	0.001742715	down-regulated gene
CHRM3-AS2	ENSG00000233355	-1.057367846	0.020562865	down-regulated gene
LINC00892	ENSG00000233093	-1.0575183	0.014443029	down-regulated gene
PCSK5	ENSG00000099139	-1.0577853	0.004295363	down-regulated gene
KCTD10	ENSG00000110906	-1.057940809	6.79999E-21	down-regulated gene
CNST	ENSG00000162852	-1.058287532	5.94131E-18	down-regulated gene
FBLN1	ENSG00000077942	-1.058321431	0.003874984	down-regulated gene
ERC2-IT1	ENSG00000281708	-1.058332749	0.266751047	down-regulated gene
AC009093.6	ENSG00000277999	-1.058348226	0.001381339	down-regulated gene
MYT1L	ENSG00000186487	-1.058901396	0.269896455	down-regulated gene
AQP7P5	ENSG00000278122	-1.059084229	0.626319503	down-regulated gene
GDF2	ENSG00000263761	-1.059288219	0.561084366	down-regulated gene
AC011979.1	ENSG00000239470	-1.059315758	1.03347E-05	down-regulated gene
ODF1	ENSG00000155087	-1.059557557	0.372742524	down-regulated gene
MIR126	ENSG00000199161	-1.059575483	0.011399398	down-regulated gene
AL136090.1	ENSG00000235996	-1.059743219	0.217258536	down-regulated gene
AL445070.1	ENSG00000230121	-1.05974811	0.524318314	down-regulated gene
AC092375.2	ENSG00000260306	-1.059773666	0.003923676	down-regulated gene
ELL2	ENSG00000118985	-1.060000632	6.35235E-06	down-regulated gene
MAEL	ENSG00000143194	-1.060041747	0.050291256	down-regulated gene
KIT	ENSG00000157404	-1.060200053	0.019934216	down-regulated gene
PHBP13	ENSG00000234835	-1.060246262	0.091909401	down-regulated gene
DNAJC27	ENSG00000115137	-1.060695601	2.74072E-14	down-regulated gene
AC021231.2	ENSG00000259397	-1.061036592	0.000382907	down-regulated gene
CYP2F2P	ENSG00000237118	-1.061300591	0.000238887	down-regulated gene
THAP2	ENSG00000173451	-1.061589214	8.56582E-12	down-regulated gene
KLF7-IT1	ENSG00000237892	-1.061753374	0.021607181	down-regulated gene
MMP23B	ENSG00000189409	-1.062196784	0.004556805	down-regulated gene
AC111182.1	ENSG00000266998	-1.062511433	0.033746963	down-regulated gene
DIPK1A	ENSG00000154511	-1.062768725	3.34705E-06	down-regulated gene
CKBP1	ENSG00000260889	-1.063120419	0.414606842	down-regulated gene
AC010998.3	ENSG00000278484	-1.063210395	0.154327279	down-regulated gene
OSBPL5	ENSG00000021762	-1.063410681	7.6315E-10	down-regulated gene

UBA52P7	ENSG00000241656	-1.06412082	0.06417583	down-regulated gene
COL8A2	ENSG00000171812	-1.064395547	0.004755911	down-regulated gene
CDC37L1	ENSG00000106993	-1.06448964	7.51385E-14	down-regulated gene
AL133445.2	ENSG00000273797	-1.064925318	0.006837714	down-regulated gene
AC063938.1	ENSG00000241754	-1.065168021	0.584861142	down-regulated gene
RIPOR2	ENSG00000111913	-1.065227593	0.00225361	down-regulated gene
PDE11A	ENSG00000128655	-1.06523728	0.028050336	down-regulated gene
ASB1	ENSG00000065802	-1.0652926	6.04906E-12	down-regulated gene
CCDC184	ENSG00000177875	-1.06541879	0.001088557	down-regulated gene
TRBV29OR9-2	ENSG00000223394	-1.066010633	0.151374549	down-regulated gene
GCNT3	ENSG00000140297	-1.066177982	0.063325344	down-regulated gene
ATOH8	ENSG00000168874	-1.066669269	0.027946926	down-regulated gene
LAMC1	ENSG00000135862	-1.067280493	1.19659E-07	down-regulated gene
FRMD7	ENSG00000165694	-1.06764631	0.067966928	down-regulated gene
SMARCD3	ENSG00000082014	-1.068000944	2.22561E-05	down-regulated gene
TRGV7	ENSG00000249978	-1.068574856	0.016818219	down-regulated gene
JAML	ENSG00000160593	-1.068617768	0.002263826	down-regulated gene
TESPA1	ENSG00000135426	-1.06869903	0.003095469	down-regulated gene
NHLRC4	ENSG00000257108	-1.068749824	8.51233E-05	down-regulated gene
FABP7P1	ENSG00000226766	-1.068873281	0.284978278	down-regulated gene
OR7E13P	ENSG00000197882	-1.069383359	0.131407756	down-regulated gene
TMEM217	ENSG00000172738	-1.069987552	5.21953E-06	down-regulated gene
CAMKK1	ENSG00000004660	-1.07017599	3.89455E-07	down-regulated gene
AL109914.1	ENSG00000229646	-1.070335845	0.132834238	down-regulated gene
AL158212.1	ENSG00000225292	-1.0703639	0.02283354	down-regulated gene
AC138392.1	ENSG00000219201	-1.070546818	4.27477E-05	down-regulated gene
ABCA6	ENSG00000154262	-1.070613063	0.023954008	down-regulated gene
IL17D	ENSG00000172458	-1.070808834	0.000355828	down-regulated gene
C14orf28	ENSG00000179476	-1.070833041	3.67937E-14	down-regulated gene
AC006960.1	ENSG00000234457	-1.070992872	0.132210021	down-regulated gene
NAMA	ENSG00000271086	-1.071137811	0.014231953	down-regulated gene
USHBP1	ENSG00000130307	-1.071149779	2.8216E-06	down-regulated gene
LRRN2	ENSG00000170382	-1.071276547	0.014179368	down-regulated gene
AC025539.1	ENSG00000251152	-1.07143439	0.023443065	down-regulated gene
ACAP1	ENSG00000072818	-1.071746348	0.000482662	down-regulated gene
LINC00589	ENSG00000251191	-1.071768694	0.01390754	down-regulated gene
AP001528.1	ENSG00000255471	-1.07246698	0.001025337	down-regulated gene
OR52P1P	ENSG00000181109	-1.073038475	0.223482857	down-regulated gene
AC026798.1	ENSG00000240627	-1.073292536	0.104580966	down-regulated gene
LINC01531	ENSG00000205786	-1.073523582	0.011085145	down-regulated gene
KLHL23	ENSG00000213160	-1.073681238	1.10486E-05	down-regulated gene
KIF25	ENSG00000125337	-1.073688978	0.015702028	down-regulated gene
CLIC2	ENSG00000155962	-1.074176963	0.000113115	down-regulated gene
SEC14L5	ENSG00000103184	-1.074252695	0.004201658	down-regulated gene
AC006486.1	ENSG00000268643	-1.074383218	0.336012384	down-regulated gene
GPR171	ENSG00000174946	-1.074407763	0.009495018	down-regulated gene
OLFM4	ENSG00000102837	-1.074439458	0.185049797	down-regulated gene
EFCAB6	ENSG00000186976	-1.074930694	0.000767375	down-regulated gene
MAPKBP1	ENSG00000137802	-1.074974703	1.6622E-11	down-regulated gene

FZD10	ENSG00000111432	-1.075746297	0.030685395	down-regulated gene
TMEM71	ENSG00000165071	-1.075789285	0.002400938	down-regulated gene
TAL1	ENSG00000162367	-1.075913973	0.000322732	down-regulated gene
AC079331.1	ENSG00000279361	-1.076019755	0.089507963	down-regulated gene
SCEL-AS1	ENSG00000224347	-1.076109632	0.450086963	down-regulated gene
RNA5SP290	ENSG00000252942	-1.076133625	0.21628864	down-regulated gene
SIRT1	ENSG00000096717	-1.076206279	2.72244E-13	down-regulated gene
TGM3	ENSG00000125780	-1.076371151	0.068223516	down-regulated gene
ST13P4	ENSG00000232150	-1.076652888	1.64718E-05	down-regulated gene
RPL17P20	ENSG00000241250	-1.076894949	0.092744321	down-regulated gene
CHRD	ENSG00000090539	-1.077251203	0.001365873	down-regulated gene
MS4A3	ENSG00000149516	-1.077349786	0.118324116	down-regulated gene
FAM117A	ENSG00000121104	-1.078655936	2.20266E-08	down-regulated gene
AC073130.2	ENSG00000243243	-1.078911937	0.002478883	down-regulated gene
CALHM5	ENSG00000178033	-1.078946555	0.00075961	down-regulated gene
AC104794.5	ENSG00000271787	-1.078994602	0.001348357	down-regulated gene
CD28	ENSG00000178562	-1.079716148	0.003679527	down-regulated gene
AC008050.1	ENSG00000259124	-1.079824721	0.006595515	down-regulated gene
ZNF853	ENSG00000236609	-1.080018116	0.000221216	down-regulated gene
AL022067.1	ENSG00000269919	-1.080108944	0.007637627	down-regulated gene
LINC01644	ENSG00000218357	-1.080407129	0.180810711	down-regulated gene
EEF1A1P10	ENSG00000243746	-1.080420513	7.43398E-06	down-regulated gene
AC009108.1	ENSG00000243697	-1.080679606	0.000343022	down-regulated gene
TIAM2	ENSG00000146426	-1.081266354	4.112E-08	down-regulated gene
ARHGEF10	ENSG00000104728	-1.081478528	9.517E-07	down-regulated gene
TRBV3-1	ENSG00000237702	-1.081682006	0.033390778	down-regulated gene
PCDHGB3	ENSG00000262209	-1.081828981	0.004931519	down-regulated gene
SPATA31D1	ENSG00000214929	-1.081940854	0.563975313	down-regulated gene
AL139384.2	ENSG00000277159	-1.082070433	0.004830938	down-regulated gene
AC092535.3	ENSG00000251639	-1.082786483	0.165678137	down-regulated gene
AL596244.1	ENSG00000261534	-1.083110484	0.000154051	down-regulated gene
AC010542.3	ENSG00000260851	-1.083180869	0.019672531	down-regulated gene
RNF212	ENSG00000178222	-1.083240761	0.031775452	down-regulated gene
AC105383.1	ENSG00000250241	-1.083367485	0.090629892	down-regulated gene
AC141273.2	ENSG00000274730	-1.083655904	0.823379217	down-regulated gene
AC068254.1	ENSG00000266840	-1.084157177	0.617453758	down-regulated gene
MICAL3	ENSG00000243156	-1.084454422	1.97712E-07	down-regulated gene
PIP5K1B	ENSG00000107242	-1.084590211	0.00949424	down-regulated gene
SCARA3	ENSG00000168077	-1.085156945	0.002356462	down-regulated gene
RPL34P31	ENSG00000239223	-1.085649028	0.006257809	down-regulated gene
CD48	ENSG00000117091	-1.085817815	0.008904733	down-regulated gene
AL450336.1	ENSG00000270521	-1.085916502	0.237638147	down-regulated gene
IL5RA	ENSG00000091181	-1.08607914	0.01047311	down-regulated gene
AC123912.3	ENSG00000268278	-1.086761552	0.199203828	down-regulated gene
AC090044.1	ENSG00000224239	-1.086891803	0.138066057	down-regulated gene
LINC00940	ENSG00000235049	-1.086941219	0.242745384	down-regulated gene
AL049871.1	ENSG00000258943	-1.087336615	0.006235746	down-regulated gene
RPL21P7	ENSG00000258613	-1.087378318	0.001353171	down-regulated gene
KCTD9P3	ENSG00000187988	-1.087547095	0.152613525	down-regulated gene

GTSF1L	ENSG00000124196	-1.087734891	0.054817411	down-regulated gene
F3	ENSG00000117525	-1.087878797	0.015920423	down-regulated gene
FBXO31	ENSG00000103264	-1.08806938	2.18469E-17	down-regulated gene
MARK2P11	ENSG00000253743	-1.088604142	0.382511483	down-regulated gene
AC010197.1	ENSG00000256615	-1.088618611	0.350106002	down-regulated gene
MMP21	ENSG00000154485	-1.088874639	0.015176584	down-regulated gene
B3GALT1	ENSG00000172318	-1.089497553	0.053879324	down-regulated gene
AC015656.1	ENSG00000279036	-1.089505899	0.086161018	down-regulated gene
MIR4322	ENSG00000264266	-1.089538538	0.064273698	down-regulated gene
AC092919.2	ENSG00000279673	-1.089714262	0.001805826	down-regulated gene
SAMD11	ENSG00000187634	-1.089899571	0.006309297	down-regulated gene
CLECL1	ENSG00000184293	-1.090361426	0.006456174	down-regulated gene
SNORD39	ENSG00000263723	-1.090481356	0.792789391	down-regulated gene
MIR199A2	ENSG00000208024	-1.090584377	0.164271906	down-regulated gene
AC123595.1	ENSG00000234292	-1.091016605	0.003331423	down-regulated gene
AP001042.1	ENSG00000205622	-1.091372294	0.003054436	down-regulated gene
REM1	ENSG00000088320	-1.091381152	0.003855431	down-regulated gene
MED14OS	ENSG00000234636	-1.091447381	1.81602E-10	down-regulated gene
EPDR1	ENSG00000086289	-1.091486705	0.003887293	down-regulated gene
ZNF671	ENSG00000083814	-1.091669973	0.000150933	down-regulated gene
AC135803.1	ENSG00000272864	-1.091800932	0.005934167	down-regulated gene
AC022778.1	ENSG00000254060	-1.091868655	0.322532799	down-regulated gene
LINC01478	ENSG00000267337	-1.092451844	0.397539227	down-regulated gene
RNU7-13P	ENSG00000252222	-1.092653799	0.375376576	down-regulated gene
ARHGAP1	ENSG00000175220	-1.093012865	6.84158E-14	down-regulated gene
SLC46A2	ENSG00000119457	-1.093179445	0.038509174	down-regulated gene
RPL17P41	ENSG00000213179	-1.093281881	0.024731273	down-regulated gene
CLEC4G	ENSG00000182566	-1.093362111	0.066132265	down-regulated gene
KAT6B	ENSG00000156650	-1.093478283	6.7807E-11	down-regulated gene
OR5AU1	ENSG00000169327	-1.093555751	0.208313069	down-regulated gene
SNORD116-9	ENSG00000206727	-1.093735553	0.658212566	down-regulated gene
GRIK2	ENSG00000164418	-1.094389198	0.013276376	down-regulated gene
AC005041.2	ENSG00000234521	-1.095062677	0.113219588	down-regulated gene
TEX15	ENSG00000133863	-1.095414883	0.142479962	down-regulated gene
RASD2	ENSG00000100302	-1.095641604	0.004665701	down-regulated gene
ERG	ENSG00000157554	-1.095990108	1.78821E-05	down-regulated gene
MIR567	ENSG00000207940	-1.096107965	0.012791586	down-regulated gene
AL589993.1	ENSG00000216809	-1.096232609	0.004080069	down-regulated gene
CLEC17A	ENSG00000187912	-1.096507215	0.083273206	down-regulated gene
AC018742.1	ENSG00000233005	-1.096747399	0.200887487	down-regulated gene
LILRA4	ENSG00000239961	-1.096820058	0.023223415	down-regulated gene
PIANP	ENSG00000139200	-1.096940519	0.009103623	down-regulated gene
LGALS2	ENSG00000100079	-1.097250322	0.006172639	down-regulated gene
TMEM47	ENSG00000147027	-1.09735032	0.001198764	down-regulated gene
IGLV7-35	ENSG00000253631	-1.097622005	0.354386385	down-regulated gene
ARHGAP28	ENSG00000088756	-1.097645914	0.003010389	down-regulated gene
AC092645.1	ENSG00000278962	-1.098130918	0.008363196	down-regulated gene
AL157831.2	ENSG00000260205	-1.098415169	0.561335231	down-regulated gene
AL442663.3	ENSG00000258813	-1.098651608	3.96147E-07	down-regulated gene

DNM1P38	ENSG00000259637	-1.098678325	0.203031909	down-regulated gene
PLA2G2D	ENSG00000117215	-1.09873663	0.097122771	down-regulated gene
MCHR1	ENSG00000128285	-1.098919516	0.011751768	down-regulated gene
AC005234.1	ENSG00000235035	-1.099279579	0.59301682	down-regulated gene
PPP1R12C	ENSG00000125503	-1.099401775	4.00489E-14	down-regulated gene
AL122058.1	ENSG00000226308	-1.099599804	0.097976555	down-regulated gene
Z97205.2	ENSG00000260422	-1.099753599	0.304543394	down-regulated gene
EDA	ENSG00000158813	-1.100331298	0.002373131	down-regulated gene
ACAT1	ENSG00000075239	-1.100448872	1.61228E-07	down-regulated gene
ANKRD44-AS1	ENSG00000231621	-1.100455993	0.075463901	down-regulated gene
AL391361.1	ENSG00000220913	-1.100960308	0.667238936	down-regulated gene
CREB3L1	ENSG00000157613	-1.10110281	0.002657835	down-regulated gene
BCL10	ENSG00000142867	-1.101183305	6.15478E-13	down-regulated gene
AL137186.1	ENSG00000229664	-1.101266102	0.026649915	down-regulated gene
RN7SL251P	ENSG00000244399	-1.101272631	0.611855774	down-regulated gene
ADARB2	ENSG00000185736	-1.10129778	0.019302931	down-regulated gene
LY9	ENSG00000122224	-1.101578788	0.011929847	down-regulated gene
RNA5SP151	ENSG00000202502	-1.102205012	0.006009908	down-regulated gene
AC113385.2	ENSG00000273957	-1.102308032	0.590491019	down-regulated gene
DEFA4	ENSG00000164821	-1.102327869	0.237948975	down-regulated gene
AC138356.3	ENSG00000253181	-1.102617721	0.222779675	down-regulated gene
SYBU	ENSG00000147642	-1.102710507	0.009137652	down-regulated gene
CIDEA	ENSG00000176194	-1.103013622	0.074524779	down-regulated gene
TARS3	ENSG00000185418	-1.103385644	2.36145E-12	down-regulated gene
DST-AS1	ENSG00000231441	-1.103614311	0.032532574	down-regulated gene
RCBTB2	ENSG00000136161	-1.103726626	9.83836E-09	down-regulated gene
UBE2Q2P6	ENSG00000275695	-1.103813543	0.056455208	down-regulated gene
ALDH1A3	ENSG00000184254	-1.10391297	0.002851879	down-regulated gene
AC002451.1	ENSG00000231170	-1.103924997	0.011103897	down-regulated gene
AC004147.4	ENSG00000265356	-1.1042068	0.234211597	down-regulated gene
ALDH7A1P3	ENSG00000243853	-1.104420234	0.790216395	down-regulated gene
PIM1	ENSG00000137193	-1.104517454	4.80071E-06	down-regulated gene
AC245028.3	ENSG00000274381	-1.104553497	0.815918765	down-regulated gene
AP005131.3	ENSG00000267503	-1.104870039	0.08110661	down-regulated gene
TTY10	ENSG00000229236	-1.105598413	0.037020676	down-regulated gene
GADD45A	ENSG00000116717	-1.105971481	1.60101E-07	down-regulated gene
AL024497.2	ENSG00000234567	-1.106013843	0.312852287	down-regulated gene
CLEC4F	ENSG00000152672	-1.106151801	0.010828915	down-regulated gene
AMPD1	ENSG00000116748	-1.10622152	0.03645112	down-regulated gene
AC006159.1	ENSG00000235427	-1.106234006	0.196171861	down-regulated gene
PPP2R2B	ENSG00000156475	-1.106247155	0.013952638	down-regulated gene
LINC00396	ENSG00000231428	-1.106541878	0.58020411	down-regulated gene
GYG1	ENSG00000163754	-1.106909018	3.30084E-16	down-regulated gene
PCDHB15	ENSG00000113248	-1.106957451	0.000564523	down-regulated gene
AC022296.2	ENSG00000214301	-1.107247772	0.060175979	down-regulated gene
MYH1	ENSG00000109061	-1.107260084	0.071161345	down-regulated gene
LINC00703	ENSG00000224382	-1.10815659	0.218401885	down-regulated gene
AC092073.1	ENSG00000266953	-1.108812642	0.009637118	down-regulated gene
AL049775.1	ENSG00000205562	-1.108888765	0.042109709	down-regulated gene

BPI	ENSG00000101425	-1.109461699	0.020393441	down-regulated gene
COL6A4P2	ENSG00000228252	-1.109611221	0.001941706	down-regulated gene
TNRC6C	ENSG00000078687	-1.110129075	8.86079E-09	down-regulated gene
CLSTN2	ENSG00000158258	-1.110194682	0.019462373	down-regulated gene
EEF1A1P15	ENSG00000213704	-1.11032351	0.012427673	down-regulated gene
MTCO2P20	ENSG00000231576	-1.11070145	0.132472712	down-regulated gene
RAB27A	ENSG00000069974	-1.110766836	3.83069E-09	down-regulated gene
TRIM31	ENSG00000204616	-1.110832293	0.061364731	down-regulated gene
USP51	ENSG00000247746	-1.110872393	8.42868E-06	down-regulated gene
PNMA8A	ENSG00000182013	-1.11098163	0.020592219	down-regulated gene
AC022150.3	ENSG00000269349	-1.111435754	0.080852962	down-regulated gene
CES1	ENSG00000198848	-1.111948616	0.118856413	down-regulated gene
WFS1	ENSG00000109501	-1.112156787	1.46787E-08	down-regulated gene
AL589647.1	ENSG00000217379	-1.112191678	0.017925232	down-regulated gene
TNFRSF13C	ENSG00000159958	-1.112214211	0.009482783	down-regulated gene
AL357500.1	ENSG00000225750	-1.112303556	0.133113003	down-regulated gene
AC051619.5	ENSG00000259539	-1.112586667	0.010359148	down-regulated gene
AC005336.2	ENSG00000267218	-1.112607567	0.061884348	down-regulated gene
AL596325.2	ENSG00000272574	-1.113448691	0.001798067	down-regulated gene
RASA4DP	ENSG00000233297	-1.11349503	0.000387625	down-regulated gene
LINC01441	ENSG00000224008	-1.113820224	0.512873232	down-regulated gene
PCAT19	ENSG00000267107	-1.114162165	2.10927E-05	down-regulated gene
STXBP1	ENSG00000136854	-1.115226358	0.000104726	down-regulated gene
RPL23AP4	ENSG00000212932	-1.115296822	0.323469092	down-regulated gene
ENPP2	ENSG00000136960	-1.115298043	0.003274299	down-regulated gene
LINC01801	ENSG00000267767	-1.115310618	0.01233212	down-regulated gene
ACTG1P23	ENSG00000230362	-1.115485851	1.10443E-06	down-regulated gene
OTOP1	ENSG00000163982	-1.11554781	0.50476058	down-regulated gene
SLC43A1	ENSG00000149150	-1.115549692	0.000197966	down-regulated gene
AC093367.1	ENSG00000254131	-1.115866195	0.008394409	down-regulated gene
CDH4	ENSG00000179242	-1.11589238	0.008139097	down-regulated gene
WWTR1-IT1	ENSG00000241985	-1.115899578	0.006371379	down-regulated gene
AF201337.1	ENSG00000254332	-1.116116721	1.18141E-06	down-regulated gene
EEF1A1P31	ENSG00000237859	-1.116434622	0.037856722	down-regulated gene
AC090753.1	ENSG00000254000	-1.116597464	0.473702407	down-regulated gene
TNIK	ENSG00000154310	-1.117359918	0.000775485	down-regulated gene
SYT15	ENSG00000204176	-1.117668807	0.000156258	down-regulated gene
RRAS	ENSG00000126458	-1.117710436	9.32769E-06	down-regulated gene
TRBV10-3	ENSG00000275791	-1.118209796	0.0345864	down-regulated gene
ACTBP14	ENSG00000229001	-1.118223701	0.005355375	down-regulated gene
PCDHGA3	ENSG00000254245	-1.118432759	0.003811479	down-regulated gene
OR5B1P	ENSG00000233499	-1.118561425	0.82879704	down-regulated gene
LONRF1	ENSG00000154359	-1.119412527	5.87077E-09	down-regulated gene
VLDLR-AS1	ENSG00000236404	-1.119517417	0.002602004	down-regulated gene
AL136964.1	ENSG00000274718	-1.119959562	0.075976881	down-regulated gene
JADE1	ENSG00000077684	-1.120012822	5.56785E-08	down-regulated gene
PCDHGA2	ENSG00000081853	-1.120277056	0.000526918	down-regulated gene
AC123912.2	ENSG00000268240	-1.12033321	0.117711773	down-regulated gene
EHD2	ENSG00000024422	-1.120873549	5.67793E-05	down-regulated gene

BTG1P1	ENSG00000256720	-1.121131457	0.040351947	down-regulated gene
AC019257.2	ENSG00000270988	-1.121523601	0.102509216	down-regulated gene
AP000907.2	ENSG00000255334	-1.121621309	0.049201613	down-regulated gene
AC015819.1	ENSG00000273669	-1.122115571	0.000325545	down-regulated gene
RPSAP44	ENSG00000220773	-1.122286682	0.008595111	down-regulated gene
CELA2B	ENSG00000215704	-1.122536105	0.000893327	down-regulated gene
IGFBP6	ENSG00000167779	-1.122861653	0.010352935	down-regulated gene
OPN4	ENSG00000122375	-1.123137864	0.0372816	down-regulated gene
PDLIM5	ENSG00000163110	-1.12314734	6.68491E-10	down-regulated gene
SNCA	ENSG00000145335	-1.12324806	0.003474375	down-regulated gene
HHATL	ENSG00000010282	-1.123426387	0.085084426	down-regulated gene
MIR4773-1	ENSG00000264684	-1.123575666	0.773901453	down-regulated gene
ID2	ENSG00000115738	-1.123943764	0.000111374	down-regulated gene
AC005696.3	ENSG00000272911	-1.124460037	0.001565741	down-regulated gene
HTR2B	ENSG00000135914	-1.12451462	0.001527921	down-regulated gene
AHRR	ENSG00000063438	-1.124854138	0.000969539	down-regulated gene
DGLUCY	ENSG00000133943	-1.125226078	6.10309E-08	down-regulated gene
IGHV2OR16-5	ENSG00000259303	-1.125562256	0.214525875	down-regulated gene
PGBD4P3	ENSG00000249834	-1.125570699	0.003542742	down-regulated gene
MTND4LP18	ENSG00000254747	-1.125702391	0.873291778	down-regulated gene
AC109811.1	ENSG00000250406	-1.125890126	0.166584904	down-regulated gene
CEP112	ENSG00000154240	-1.125900665	2.72872E-05	down-regulated gene
PCDHB4	ENSG00000081818	-1.125905238	0.00252471	down-regulated gene
IGFBP2	ENSG00000115457	-1.125944792	0.009376541	down-regulated gene
RNF38	ENSG00000137075	-1.126071914	8.32393E-16	down-regulated gene
SNX19P2	ENSG00000235500	-1.126393897	0.000327063	down-regulated gene
SPOP	ENSG00000121067	-1.12641929	1.25537E-21	down-regulated gene
AL714022.1	ENSG00000229067	-1.126607207	0.021680718	down-regulated gene
AL096816.1	ENSG00000280135	-1.126752759	0.021639804	down-regulated gene
SNAI3	ENSG00000185669	-1.127169964	0.001351165	down-regulated gene
RBFOX1	ENSG00000078328	-1.127211214	0.187025581	down-regulated gene
AL731577.2	ENSG00000249456	-1.127273059	1.08482E-05	down-regulated gene
ALDH1L1	ENSG00000144908	-1.127341095	0.019610154	down-regulated gene
ITK	ENSG00000113263	-1.127412176	0.005876144	down-regulated gene
LY86-AS1	ENSG00000216863	-1.127455436	0.063218156	down-regulated gene
AC007608.1	ENSG00000205414	-1.127645735	0.060234936	down-regulated gene
PIEZO2	ENSG00000154864	-1.127678632	0.005107193	down-regulated gene
ATRNL1	ENSG00000107518	-1.12772926	0.027959075	down-regulated gene
MIR6088	ENSG00000275726	-1.127931668	0.171724373	down-regulated gene
TRBV28	ENSG00000211753	-1.12836354	0.007008688	down-regulated gene
TSHZ1	ENSG00000179981	-1.128577135	1.01629E-09	down-regulated gene
Z84492.1	ENSG00000272104	-1.128657553	0.057933547	down-regulated gene
ERVFRD-1	ENSG00000244476	-1.129830014	0.041106465	down-regulated gene
IER2	ENSG00000160888	-1.13007374	1.83689E-09	down-regulated gene
SNX9	ENSG00000130340	-1.130092224	2.14579E-18	down-regulated gene
SEPTIN7-DT	ENSG00000228878	-1.130146762	5.82993E-09	down-regulated gene
Z94057.1	ENSG00000260990	-1.131356973	0.287785617	down-regulated gene
TOX4P1	ENSG00000248697	-1.131418866	0.001493628	down-regulated gene
VWF	ENSG00000110799	-1.132462803	9.66286E-06	down-regulated gene

AC074029.4	ENSG00000279875	-1.132766074	0.048326507	down-regulated gene
INHBB	ENSG00000163083	-1.132808909	0.000718141	down-regulated gene
AC015908.3	ENSG00000264016	-1.133474272	0.015903904	down-regulated gene
TPTEP1	ENSG00000100181	-1.133685473	0.035422165	down-regulated gene
MIR5696	ENSG00000264857	-1.133816452	0.420140463	down-regulated gene
AL133467.3	ENSG00000259084	-1.13393975	0.336615557	down-regulated gene
CNTN3	ENSG00000113805	-1.134287787	0.026320175	down-regulated gene
LINC02412	ENSG00000258171	-1.134902774	0.049225054	down-regulated gene
JMY	ENSG00000152409	-1.135336233	2.91645E-13	down-regulated gene
ULK4P2	ENSG00000260128	-1.135424735	0.038352422	down-regulated gene
P2RY1	ENSG00000169860	-1.135532295	0.002551092	down-regulated gene
GIMAP5	ENSG00000196329	-1.135733203	0.000895546	down-regulated gene
AC044860.3	ENSG00000259317	-1.136041002	0.579549714	down-regulated gene
CAMK1	ENSG00000134072	-1.136107999	1.40055E-06	down-regulated gene
SEPTIN2P1	ENSG00000227850	-1.136127612	0.18956245	down-regulated gene
AC079305.2	ENSG00000229337	-1.136146158	0.023847583	down-regulated gene
SSTR4	ENSG00000132671	-1.136245526	0.279551225	down-regulated gene
CASC2	ENSG00000177640	-1.136392704	3.08902E-08	down-regulated gene
SERPIND1	ENSG00000099937	-1.136469493	0.035526808	down-regulated gene
ZFP36L1	ENSG00000185650	-1.136616812	2.844E-10	down-regulated gene
EEF1A1P9	ENSG00000249264	-1.136670646	1.45476E-09	down-regulated gene
IRAK3	ENSG00000090376	-1.136737025	0.000187557	down-regulated gene
EEF1A1P32	ENSG00000213046	-1.137027732	0.048528031	down-regulated gene
RPL21P2	ENSG00000215063	-1.137209464	0.000318921	down-regulated gene
PDLIM2	ENSG00000120913	-1.137611118	4.07005E-06	down-regulated gene
AC022915.1	ENSG00000253455	-1.137764048	0.09898635	down-regulated gene
PRG4	ENSG00000116690	-1.138192274	0.002780883	down-regulated gene
TMEM132B	ENSG00000139364	-1.138295002	0.005717135	down-regulated gene
SNRK	ENSG00000163788	-1.138395106	1.35267E-19	down-regulated gene
RPS4XP8	ENSG00000219146	-1.138396225	0.002249223	down-regulated gene
RASA3	ENSG00000185989	-1.138782325	9.7786E-05	down-regulated gene
AL162231.2	ENSG00000230074	-1.138797649	0.000222386	down-regulated gene
RNU6-157P	ENSG00000206684	-1.138813421	0.680563872	down-regulated gene
PRKCA	ENSG00000154229	-1.138944399	1.15821E-05	down-regulated gene
AC110056.1	ENSG00000255450	-1.139039665	0.005618308	down-regulated gene
HBA2	ENSG00000188536	-1.139046018	0.008689051	down-regulated gene
AC010266.2	ENSG00000261037	-1.139457945	0.283321591	down-regulated gene
SMAD7	ENSG00000101665	-1.139923696	6.44306E-08	down-regulated gene
CD5	ENSG00000110448	-1.139963865	0.002876939	down-regulated gene
AC006971.1	ENSG00000218586	-1.140176516	0.000487155	down-regulated gene
RALGDS	ENSG00000160271	-1.140373205	5.96388E-14	down-regulated gene
UBA52P8	ENSG00000240793	-1.140528425	0.000500096	down-regulated gene
AC073149.1	ENSG00000212391	-1.140546347	0.2008666	down-regulated gene
GKAP1	ENSG00000165113	-1.140796668	7.63182E-07	down-regulated gene
OSR1	ENSG00000143867	-1.140858611	0.006576326	down-regulated gene
SEPTIN1	ENSG00000180096	-1.141372411	9.74526E-05	down-regulated gene
RASGRP4	ENSG00000171777	-1.141539278	0.000478969	down-regulated gene
AL359233.1	ENSG00000258696	-1.141582229	0.264049145	down-regulated gene
KLF11	ENSG00000172059	-1.141745267	4.19447E-08	down-regulated gene

POU2AF1	ENSG00000110777	-1.141944654	0.01710046	down-regulated gene
SEPTIN10P1	ENSG00000253541	-1.142310642	3.86797E-05	down-regulated gene
LINC02057	ENSG00000249279	-1.142478448	0.118563207	down-regulated gene
RPL4P7	ENSG00000224442	-1.142642129	0.136142771	down-regulated gene
LINC01204	ENSG00000229563	-1.142732039	0.130199866	down-regulated gene
ZNF582-AS1	ENSG00000267454	-1.142812144	0.000129225	down-regulated gene
PPFIA2-AS1	ENSG00000257467	-1.143233383	0.14188549	down-regulated gene
AL121753.1	ENSG00000261582	-1.143680725	0.000109086	down-regulated gene
AC104051.2	ENSG00000254139	-1.143785279	0.106835482	down-regulated gene
MEF2A	ENSG00000068305	-1.143827781	3.81289E-13	down-regulated gene
EEF1A1P22	ENSG00000259612	-1.143875566	3.51926E-06	down-regulated gene
HMGB3P27	ENSG00000267132	-1.144263045	0.079546206	down-regulated gene
WASF3	ENSG00000132970	-1.144407099	8.55331E-05	down-regulated gene
GPR1	ENSG00000183671	-1.144724002	0.029114054	down-regulated gene
MIR8066	ENSG00000273882	-1.145078215	0.373659416	down-regulated gene
ID4	ENSG00000172201	-1.145446606	0.003793951	down-regulated gene
MAFTRR	ENSG00000261390	-1.145914249	0.001753166	down-regulated gene
AC034234.1	ENSG00000248935	-1.14603497	0.597835221	down-regulated gene
FCRL2	ENSG00000132704	-1.146039376	0.08643501	down-regulated gene
CD93	ENSG00000125810	-1.146196932	4.62927E-05	down-regulated gene
LINC02881	ENSG00000277288	-1.146241917	0.12889167	down-regulated gene
SNORD114-15	ENSG00000201557	-1.146609787	0.870958895	down-regulated gene
FAM172A	ENSG00000113391	-1.147842189	6.19939E-17	down-regulated gene
HCG21	ENSG00000233529	-1.147917267	0.049346207	down-regulated gene
LINC01228	ENSG00000261082	-1.148328672	0.256353377	down-regulated gene
TMEM8B	ENSG00000137103	-1.148354665	4.80741E-11	down-regulated gene
LINC02406	ENSG00000258144	-1.148544894	0.752152947	down-regulated gene
UNC45B	ENSG00000141161	-1.148613418	0.002989729	down-regulated gene
C1QTNF4	ENSG00000172247	-1.149701958	0.002073533	down-regulated gene
AC245517.1	ENSG00000225741	-1.149775488	0.643053878	down-regulated gene
AC090136.3	ENSG00000254102	-1.150373497	0.011528273	down-regulated gene
ICA1L	ENSG00000163596	-1.150419099	1.87113E-07	down-regulated gene
TMEM200B	ENSG00000253304	-1.15056019	0.000603167	down-regulated gene
ADCY4	ENSG00000129467	-1.150589173	7.06337E-07	down-regulated gene
AP001198.1	ENSG00000267239	-1.151267655	0.042855522	down-regulated gene
LINC01229	ENSG00000260876	-1.151578689	0.004398433	down-regulated gene
AC108206.1	ENSG00000260303	-1.151650174	0.290228386	down-regulated gene
AC017033.1	ENSG00000271709	-1.151953648	0.065564229	down-regulated gene
PIK3R1	ENSG00000145675	-1.152110782	9.35436E-07	down-regulated gene
LINC02308	ENSG00000258675	-1.15211475	0.063824401	down-regulated gene
TBX18	ENSG00000112837	-1.15283482	0.022157866	down-regulated gene
GPC5	ENSG00000179399	-1.153644925	0.079699902	down-regulated gene
IGHV3-29	ENSG00000270474	-1.153846401	0.288619703	down-regulated gene
FGFBP2	ENSG00000137441	-1.154359992	0.029971612	down-regulated gene
AC067904.2	ENSG00000253899	-1.154670349	0.000304984	down-regulated gene
AL590004.3	ENSG00000260604	-1.154731223	0.02655434	down-regulated gene
SERP2	ENSG00000151778	-1.154799718	0.000484016	down-regulated gene
AC092666.2	ENSG00000276538	-1.154914391	0.164090574	down-regulated gene
STAT5B	ENSG00000173757	-1.155275245	1.60283E-25	down-regulated gene

TLE4	ENSG00000106829	-1.155507446	1.00072E-06	down-regulated gene
TRAV3	ENSG00000211777	-1.155581381	0.022816237	down-regulated gene
CISTR	ENSG00000260492	-1.155671942	0.257332812	down-regulated gene
AC090821.2	ENSG00000253165	-1.155676174	0.414156656	down-regulated gene
AC079776.1	ENSG00000217289	-1.155858668	0.000373757	down-regulated gene
FAM168B	ENSG00000152102	-1.156909785	4.17564E-16	down-regulated gene
RNVU1-4	ENSG00000277610	-1.156982335	0.011764847	down-regulated gene
MUCL3	ENSG00000168631	-1.157010988	0.064842256	down-regulated gene
OR1L8	ENSG00000171496	-1.158114665	0.018218087	down-regulated gene
AF287957.1	ENSG00000271743	-1.158187145	0.003881763	down-regulated gene
HCFC1-AS1	ENSG00000235802	-1.158871472	0.018822484	down-regulated gene
AP003486.1	ENSG00000255455	-1.158878557	1.82888E-09	down-regulated gene
CD160	ENSG00000117281	-1.159110727	0.000341023	down-regulated gene
MIRLET7C	ENSG00000199030	-1.159118833	0.57259525	down-regulated gene
AL391903.3	ENSG00000278745	-1.159256762	0.320931654	down-regulated gene
Z99129.4	ENSG00000279453	-1.159302107	1.06891E-09	down-regulated gene
DENND2C	ENSG00000175984	-1.159679792	0.000173168	down-regulated gene
SATB1	ENSG00000182568	-1.159843756	6.44245E-06	down-regulated gene
AC009053.4	ENSG00000276822	-1.161166654	0.306479254	down-regulated gene
LAMC1-AS1	ENSG00000224468	-1.161264689	0.000459063	down-regulated gene
AL354718.1	ENSG00000275160	-1.161801427	0.000615741	down-regulated gene
RGS1	ENSG00000090104	-1.161855196	0.001525627	down-regulated gene
AC104794.3	ENSG00000260077	-1.161948347	6.95765E-07	down-regulated gene
AC021483.1	ENSG00000259548	-1.162464372	0.033860293	down-regulated gene
TMEM240	ENSG00000205090	-1.162777869	3.26787E-06	down-regulated gene
C4orf17	ENSG00000138813	-1.163081862	0.215082566	down-regulated gene
CD6	ENSG00000013725	-1.163115457	0.002101082	down-regulated gene
CPE	ENSG00000109472	-1.163279182	0.000601685	down-regulated gene
PRSS23	ENSG00000150687	-1.163727623	6.54135E-05	down-regulated gene
PRRT2	ENSG00000167371	-1.164459568	0.000262866	down-regulated gene
RGL1	ENSG00000143344	-1.164491567	1.48268E-05	down-regulated gene
KIRREL3	ENSG00000149571	-1.164630859	0.002254345	down-regulated gene
RPL21P111	ENSG00000237109	-1.164634259	0.025720398	down-regulated gene
AC015922.2	ENSG00000265519	-1.165579517	2.6462E-06	down-regulated gene
LINC01783	ENSG00000233421	-1.165850655	0.07135335	down-regulated gene
MICAL1	ENSG00000135596	-1.165885261	2.47501E-08	down-regulated gene
LIFR-AS1	ENSG00000244968	-1.166041953	0.00156387	down-regulated gene
AC099654.2	ENSG00000235095	-1.166433126	0.054016431	down-regulated gene
BHLHE22	ENSG00000180828	-1.166748867	0.00150636	down-regulated gene
ST3GAL3	ENSG00000126091	-1.166767256	9.79074E-12	down-regulated gene
IGHV1OR15-1	ENSG00000270505	-1.166873457	0.290593556	down-regulated gene
FAM229B	ENSG00000203778	-1.167053197	6.22636E-07	down-regulated gene
AP003080.1	ENSG00000254506	-1.167362699	0.035556904	down-regulated gene
CALCA	ENSG00000110680	-1.167490708	0.114878432	down-regulated gene
LILRB5	ENSG00000105609	-1.167881509	0.00735478	down-regulated gene
SGCZ	ENSG00000185053	-1.168502852	0.205790793	down-regulated gene
AC006970.1	ENSG00000233028	-1.168645254	0.097037008	down-regulated gene
LRRC52	ENSG00000162763	-1.168842806	0.497689689	down-regulated gene
RNU6-790P	ENSG00000207208	-1.169609279	0.057134085	down-regulated gene

LINC01537	ENSG00000227467	-1.169613706	0.005376719	down-regulated gene
PLA2G4C	ENSG00000105499	-1.169975585	0.000360137	down-regulated gene
DYRK3	ENSG00000143479	-1.170036413	8.73867E-07	down-regulated gene
AC008537.2	ENSG00000269843	-1.170260754	9.45028E-05	down-regulated gene
ADGRL4	ENSG00000162618	-1.171008705	2.77257E-06	down-regulated gene
CD1E	ENSG00000158488	-1.171183488	0.005867999	down-regulated gene
Metazoa_SRP	ENSG00000264809	-1.171342441	0.216855358	down-regulated gene
GRB10	ENSG00000106070	-1.171422941	6.50629E-06	down-regulated gene
CTIF	ENSG00000134030	-1.171663129	7.98426E-14	down-regulated gene
LINC02608	ENSG00000226251	-1.171932312	0.027490221	down-regulated gene
AC005237.1	ENSG00000225521	-1.172648152	0.074675913	down-regulated gene
MOAP1	ENSG00000165943	-1.172672725	1.08271E-18	down-regulated gene
SORCS2	ENSG00000184985	-1.172724426	0.012702786	down-regulated gene
AL031733.2	ENSG00000241666	-1.172758448	0.013424267	down-regulated gene
NAALAD2	ENSG00000077616	-1.172790405	4.26704E-05	down-regulated gene
AC138696.1	ENSG00000264668	-1.172936138	0.002260097	down-regulated gene
PLA2G4A	ENSG00000116711	-1.172954384	0.000191509	down-regulated gene
CETN4P	ENSG00000224786	-1.173019768	0.000557851	down-regulated gene
DZIP1	ENSG00000134874	-1.173483969	7.76674E-05	down-regulated gene
C17orf107	ENSG00000205710	-1.173520485	1.34867E-06	down-regulated gene
AC004223.3	ENSG00000267618	-1.173789766	0.209387466	down-regulated gene
AC090617.5	ENSG00000263050	-1.173971646	3.4252E-10	down-regulated gene
MTUS2-AS2	ENSG00000236758	-1.174063276	0.304094528	down-regulated gene
LINC01640	ENSG00000231253	-1.174235613	0.306380241	down-regulated gene
DTD1-AS1	ENSG00000233993	-1.174512509	0.253253488	down-regulated gene
ARNT2	ENSG00000172379	-1.174554896	0.000941044	down-regulated gene
C1S	ENSG00000182326	-1.174557775	0.001512753	down-regulated gene
AMHR2	ENSG00000135409	-1.17473416	0.003893135	down-regulated gene
AC012409.3	ENSG00000277135	-1.175307812	0.007313957	down-regulated gene
RNVU1-30	ENSG00000206828	-1.175391456	0.002210819	down-regulated gene
DPPA2P4	ENSG00000261429	-1.175598521	0.190414075	down-regulated gene
ST6GALNAC6	ENSG00000160408	-1.175934463	1.10843E-11	down-regulated gene
ASB12	ENSG00000198881	-1.176004286	0.00137168	down-regulated gene
SLC39A14	ENSG00000104635	-1.176067326	8.58347E-06	down-regulated gene
GNA14	ENSG00000156049	-1.176435397	0.002305775	down-regulated gene
RNU6-167P	ENSG00000207019	-1.17646044	0.242885716	down-regulated gene
AC019257.1	ENSG00000253764	-1.176493834	0.061016433	down-regulated gene
AP005018.2	ENSG00000254851	-1.177141714	0.060770335	down-regulated gene
ZNF471	ENSG00000196263	-1.177316496	0.001432466	down-regulated gene
AC011373.1	ENSG00000272239	-1.177486286	0.113945126	down-regulated gene
ZBTB21	ENSG00000173276	-1.178138448	7.97844E-14	down-regulated gene
LINC00463	ENSG00000234056	-1.178205916	0.657605159	down-regulated gene
AC008171.1	ENSG00000223890	-1.179332199	0.182727451	down-regulated gene
OR8C1P	ENSG00000229254	-1.179517243	0.613222982	down-regulated gene
HSD52	ENSG00000224609	-1.179654241	0.02029954	down-regulated gene
AC025419.1	ENSG00000250748	-1.179903259	0.022999183	down-regulated gene
PROK2	ENSG00000163421	-1.179922504	0.036457029	down-regulated gene
SEC23A	ENSG00000100934	-1.180171931	1.21743E-10	down-regulated gene
CALCOCO1	ENSG00000012822	-1.180476219	8.57372E-19	down-regulated gene

TRIM61	ENSG00000183439	-1.180639617	0.006153869	down-regulated gene
HOXA13	ENSG00000106031	-1.180814742	0.001367015	down-regulated gene
RN7SL384P	ENSG00000242912	-1.180819077	0.467343745	down-regulated gene
CCDC158	ENSG00000163749	-1.180883946	0.000262843	down-regulated gene
FNDC5	ENSG00000160097	-1.181103498	0.001003523	down-regulated gene
LINC02274	ENSG00000258586	-1.181227561	0.073302845	down-regulated gene
STEAP4	ENSG00000127954	-1.181339954	0.005779968	down-regulated gene
KIF26A	ENSG00000066735	-1.181628557	0.001922667	down-regulated gene
AC103853.2	ENSG00000254141	-1.181780909	0.206635999	down-regulated gene
AC025272.1	ENSG00000260937	-1.181906244	0.718479995	down-regulated gene
COL4A2-AS1	ENSG00000232814	-1.181962845	0.005075274	down-regulated gene
CACHD1	ENSG00000158966	-1.182334072	7.61447E-05	down-regulated gene
AC012555.1	ENSG00000257327	-1.182486321	0.006268119	down-regulated gene
AL121885.2	ENSG00000227838	-1.183579246	0.333789504	down-regulated gene
C1R	ENSG00000159403	-1.183669001	0.000406028	down-regulated gene
SERINC1	ENSG00000111897	-1.183703376	4.03655E-18	down-regulated gene
OR7E35P	ENSG00000250425	-1.183751564	0.202020568	down-regulated gene
CX3CR1	ENSG00000168329	-1.183978322	0.000778614	down-regulated gene
NFIA-AS1	ENSG00000237853	-1.184282915	0.05213785	down-regulated gene
AC093424.1	ENSG00000270457	-1.184755528	0.007707209	down-regulated gene
NDUFB1P2	ENSG00000234523	-1.185086015	0.020074497	down-regulated gene
EIF4A2P3	ENSG00000254589	-1.185154368	0.000379012	down-regulated gene
DACT3-AS1	ENSG00000245598	-1.185341407	1.32323E-06	down-regulated gene
LAMB2	ENSG00000172037	-1.185611963	1.4042E-07	down-regulated gene
RASSF2	ENSG00000101265	-1.185688619	0.000171278	down-regulated gene
ZC3H12C	ENSG00000149289	-1.186074222	3.27014E-07	down-regulated gene
AC087854.1	ENSG00000251034	-1.18633722	3.38659E-08	down-regulated gene
FGF14-AS2	ENSG00000272143	-1.186679121	0.001579615	down-regulated gene
CCM2L	ENSG00000101331	-1.186769804	1.14494E-06	down-regulated gene
AC099811.1	ENSG00000236194	-1.187233939	0.010227243	down-regulated gene
MBD5	ENSG00000204406	-1.187412305	1.79175E-18	down-regulated gene
LMF1-AS1	ENSG00000260439	-1.187564472	0.002115344	down-regulated gene
AL359885.1	ENSG00000231875	-1.187695113	0.033206964	down-regulated gene
ZNF483	ENSG00000173258	-1.187714319	0.000451089	down-regulated gene
PRDM16	ENSG00000142611	-1.187778607	0.011780865	down-regulated gene
PKD2	ENSG00000118762	-1.187937542	2.3991E-11	down-regulated gene
CR2	ENSG00000117322	-1.188054681	0.114233328	down-regulated gene
SDAD1P1	ENSG00000228451	-1.188732845	1.14236E-09	down-regulated gene
AC130371.2	ENSG00000274370	-1.188805003	9.5748E-05	down-regulated gene
PRDM11	ENSG00000019485	-1.188863143	2.14635E-07	down-regulated gene
AL353621.1	ENSG00000233055	-1.189042843	0.082022288	down-regulated gene
NUDT9P1	ENSG00000234043	-1.189047089	2.42124E-05	down-regulated gene
AL589880.1	ENSG00000229939	-1.189337673	1.659E-07	down-regulated gene
PTGER4	ENSG00000171522	-1.189755706	0.000136772	down-regulated gene
AL133304.2	ENSG00000257826	-1.189787752	0.477831336	down-regulated gene
AC035139.1	ENSG00000228403	-1.190067035	0.059166786	down-regulated gene
RASA4	ENSG00000105808	-1.190131494	8.06453E-05	down-regulated gene
FA2H	ENSG00000103089	-1.190467555	0.002965145	down-regulated gene
SERPINF1	ENSG00000132386	-1.190474448	0.00113676	down-regulated gene

AC022272.1	ENSG00000250027	-1.190590395	0.002730617	down-regulated gene
AC073257.1	ENSG00000232140	-1.190904588	0.460583961	down-regulated gene
AC007663.2	ENSG00000249923	-1.190990428	0.012559413	down-regulated gene
AL392048.1	ENSG00000277684	-1.191620919	0.006712413	down-regulated gene
TRBV23-1	ENSG00000211749	-1.191678894	0.072515757	down-regulated gene
TEF	ENSG00000167074	-1.193074973	1.82965E-11	down-regulated gene
OR7M1P	ENSG00000273336	-1.193457113	0.017464152	down-regulated gene
AL358613.1	ENSG00000226425	-1.193843541	0.278423778	down-regulated gene
CEBPD	ENSG00000221869	-1.194741562	7.37494E-07	down-regulated gene
CTSF	ENSG00000174080	-1.194831498	1.03285E-06	down-regulated gene
AL136164.3	ENSG00000279289	-1.19493379	0.009405304	down-regulated gene
RPS25P9	ENSG00000232142	-1.195139087	0.106141951	down-regulated gene
PCDHGA9	ENSG00000261934	-1.195139822	0.001046824	down-regulated gene
TUBB6	ENSG00000176014	-1.195152475	0.001476876	down-regulated gene
LRRFIP1	ENSG00000124831	-1.196405195	4.36079E-17	down-regulated gene
RBP4	ENSG00000138207	-1.196530396	0.026696643	down-regulated gene
DENND2B	ENSG00000166444	-1.196613434	3.10883E-07	down-regulated gene
UCMA	ENSG00000165623	-1.196786446	0.319236581	down-regulated gene
NRTN	ENSG00000171119	-1.197271875	0.001424682	down-regulated gene
PPP1R9A-AS1	ENSG00000236197	-1.19778868	0.088377339	down-regulated gene
AC108751.3	ENSG00000241929	-1.19826672	0.090863282	down-regulated gene
ACTG1P21	ENSG00000232672	-1.198270513	0.005442442	down-regulated gene
VAV3-AS1	ENSG00000230489	-1.198419678	0.153794892	down-regulated gene
CSNK1A1L	ENSG00000180138	-1.198640193	0.017392219	down-regulated gene
TOR1AIP1	ENSG00000143337	-1.198648067	5.83732E-22	down-regulated gene
LINC02132	ENSG00000268804	-1.199119436	0.079835309	down-regulated gene
TMEM150C	ENSG00000249242	-1.199770047	1.86032E-05	down-regulated gene
AMOTL2	ENSG00000114019	-1.199933613	2.32591E-06	down-regulated gene
DNM3OS	ENSG00000230630	-1.199996421	0.001464881	down-regulated gene
SPRY2	ENSG00000136158	-1.200024342	2.46138E-05	down-regulated gene
AP003059.2	ENSG00000255250	-1.200447673	0.001215797	down-regulated gene
GPR156	ENSG00000175697	-1.200507693	0.006177716	down-regulated gene
LINC02768	ENSG00000229291	-1.200783281	0.001867171	down-regulated gene
LINC00457	ENSG00000225179	-1.200820611	0.628188913	down-regulated gene
UBBP3	ENSG00000223962	-1.200854401	0.036061791	down-regulated gene
KLF10	ENSG00000155090	-1.200875652	9.44811E-08	down-regulated gene
PGM2L1	ENSG00000165434	-1.20132594	1.48419E-06	down-regulated gene
AC099335.1	ENSG00000236468	-1.201334107	0.000307965	down-regulated gene
PTPRQ	ENSG00000139304	-1.201402225	0.063261695	down-regulated gene
LINC01550	ENSG00000246223	-1.201579224	0.008342741	down-regulated gene
FHAD1-AS1	ENSG00000233485	-1.20160089	0.061789143	down-regulated gene
FO393419.3	ENSG00000243659	-1.20183039	1.22182E-05	down-regulated gene
RN7SL473P	ENSG00000277452	-1.202309046	0.015911653	down-regulated gene
ZSWIM5	ENSG00000162415	-1.202313663	0.00029966	down-regulated gene
RNU6-194P	ENSG00000200732	-1.202897449	0.099674712	down-regulated gene
PPP3CB	ENSG00000107758	-1.202969235	2.66882E-22	down-regulated gene
SLC2A13	ENSG00000151229	-1.203438934	1.93075E-06	down-regulated gene
AC104126.1	ENSG00000251076	-1.203505134	0.254579684	down-regulated gene
TPST1	ENSG00000169902	-1.203816968	8.31241E-07	down-regulated gene

AC090617.6	ENSG00000279040	-1.204227837	0.086022709	down-regulated gene
KANK3	ENSG00000186994	-1.204345913	7.01991E-07	down-regulated gene
KIZ	ENSG00000088970	-1.20454302	1.12949E-08	down-regulated gene
IHO1	ENSG00000173421	-1.204684696	2.37184E-05	down-regulated gene
GABARAPL1	ENSG00000139112	-1.205224732	5.88829E-11	down-regulated gene
PRKACB	ENSG00000142875	-1.205659684	1.46541E-08	down-regulated gene
GRAP2	ENSG00000100351	-1.20567989	0.000668315	down-regulated gene
AKIRIN1P1	ENSG00000257786	-1.20571882	0.384739141	down-regulated gene
AL049838.1	ENSG00000259969	-1.205801803	0.000325169	down-regulated gene
NID1	ENSG00000116962	-1.205937056	1.28143E-05	down-regulated gene
PCDH11X	ENSG00000102290	-1.205998982	0.111586047	down-regulated gene
AL356490.1	ENSG00000278988	-1.206337141	0.763800494	down-regulated gene
S1PR4	ENSG00000125910	-1.206441291	0.000582003	down-regulated gene
FO681492.1	ENSG00000277758	-1.206595628	0.001843846	down-regulated gene
EMILIN3	ENSG00000183798	-1.206666144	0.005985911	down-regulated gene
IGKV1-37	ENSG00000239862	-1.207624012	0.180102877	down-regulated gene
TRH	ENSG00000170893	-1.207730139	0.012912539	down-regulated gene
CLDN8	ENSG00000156284	-1.207875469	0.092140198	down-regulated gene
GDNF	ENSG00000168621	-1.20791496	0.006284855	down-regulated gene
SBDS	ENSG00000126524	-1.20800427	1.44405E-21	down-regulated gene
PROS1	ENSG00000184500	-1.208761482	2.57458E-05	down-regulated gene
FAM13C	ENSG00000148541	-1.208772812	0.00087957	down-regulated gene
AC003688.2	ENSG00000263342	-1.209555371	0.613240851	down-regulated gene
SLC45A1	ENSG00000162426	-1.210039637	6.28117E-05	down-regulated gene
AC027013.1	ENSG00000258489	-1.21012811	0.372671052	down-regulated gene
MEIS3P1	ENSG00000179277	-1.210918863	1.79094E-05	down-regulated gene
RNA5SP462	ENSG00000252539	-1.210999622	0.171488985	down-regulated gene
EEF1A1P29	ENSG00000215093	-1.211051089	3.1266E-07	down-regulated gene
RNF216-IT1	ENSG00000237738	-1.211213955	0.030758772	down-regulated gene
CCDC102A	ENSG00000135736	-1.2114946	6.25442E-07	down-regulated gene
DACT1	ENSG00000165617	-1.211672072	0.000920462	down-regulated gene
PTPN5	ENSG00000110786	-1.211729917	0.005369171	down-regulated gene
KRTAP9-12P	ENSG00000248807	-1.211739298	0.440120509	down-regulated gene
RIMBP2	ENSG00000060709	-1.212199841	0.019537291	down-regulated gene
AC012368.2	ENSG00000228079	-1.21221579	0.000211322	down-regulated gene
AL662844.4	ENSG00000272501	-1.212248516	7.32703E-08	down-regulated gene
MRPS18CP6	ENSG00000228807	-1.21235414	0.060907187	down-regulated gene
DKFZP434A062	ENSG00000262075	-1.212379878	0.005823768	down-regulated gene
NEK1	ENSG00000137601	-1.212505101	2.69839E-16	down-regulated gene
AC026336.4	ENSG00000279193	-1.212585787	0.261879103	down-regulated gene
TNFSF8	ENSG00000106952	-1.212605576	0.001845854	down-regulated gene
CYP7A1	ENSG00000167910	-1.212773726	0.025486374	down-regulated gene
PDZD9	ENSG00000155714	-1.213318616	0.00016122	down-regulated gene
AKAP13	ENSG00000170776	-1.213450906	1.205E-13	down-regulated gene
TPPP3	ENSG00000159713	-1.213787032	0.000708935	down-regulated gene
AC010442.2	ENSG00000250645	-1.213962477	0.100038089	down-regulated gene
IGFBP7-AS1	ENSG00000245067	-1.214547658	0.002313334	down-regulated gene
AXL	ENSG00000167601	-1.214681518	0.000767655	down-regulated gene
FTOP1	ENSG00000226491	-1.215143485	8.10021E-05	down-regulated gene

LINC02823	ENSG00000258100	-1.216027853	0.036035197	down-regulated gene
GTF2IP7	ENSG00000227038	-1.216278984	0.001339149	down-regulated gene
AP001970.1	ENSG00000254710	-1.216462783	0.227391657	down-regulated gene
AL591926.2	ENSG00000276412	-1.216777094	0.052201806	down-regulated gene
AL158212.3	ENSG00000260917	-1.216798094	2.64317E-09	down-regulated gene
CD79A	ENSG00000105369	-1.21682096	0.034318241	down-regulated gene
RPL5P32	ENSG00000228992	-1.216821943	0.013277123	down-regulated gene
KBTBD12	ENSG00000187715	-1.216877322	0.059660274	down-regulated gene
AC061709.3	ENSG00000279180	-1.217009016	0.215315233	down-regulated gene
ELL2P1	ENSG00000227295	-1.217967555	0.000477737	down-regulated gene
AC025271.2	ENSG00000261265	-1.217990555	0.222236491	down-regulated gene
PLEKHH2	ENSG00000152527	-1.218774946	7.21663E-05	down-regulated gene
FCMR	ENSG00000162894	-1.218893842	0.000902567	down-regulated gene
HECTD2	ENSG00000165338	-1.218931762	2.64206E-11	down-regulated gene
PPIL1P1	ENSG00000237951	-1.219046153	0.281751994	down-regulated gene
SPART	ENSG00000133104	-1.219431731	1.70125E-12	down-regulated gene
AC124852.1	ENSG00000248994	-1.219463242	0.073847305	down-regulated gene
AC068234.2	ENSG00000276790	-1.219816686	0.026946547	down-regulated gene
NUDT7	ENSG00000140876	-1.21982024	3.23541E-05	down-regulated gene
AL137783.1	ENSG00000279960	-1.219825611	0.101615038	down-regulated gene
OR2B11	ENSG00000177535	-1.219956095	0.144980214	down-regulated gene
SELENBP1	ENSG00000143416	-1.219959567	0.001005717	down-regulated gene
OR1G1	ENSG00000183024	-1.220240238	0.267363785	down-regulated gene
BNC2-AS1	ENSG00000234779	-1.220478537	0.014539832	down-regulated gene
AC023794.1	ENSG00000248576	-1.220832562	0.007379342	down-regulated gene
LINC02145	ENSG00000250490	-1.221041623	0.007983362	down-regulated gene
CCDC85A	ENSG00000055813	-1.221102688	0.006383392	down-regulated gene
RN7SL76P	ENSG00000241959	-1.221455582	0.008800786	down-regulated gene
AC138356.1	ENSG00000183154	-1.221468616	4.76178E-05	down-regulated gene
AC011477.6	ENSG00000275540	-1.221801034	0.003387856	down-regulated gene
IL1RL1	ENSG00000115602	-1.222234978	0.010531487	down-regulated gene
AC096921.2	ENSG00000261468	-1.222409329	5.46146E-06	down-regulated gene
CFH	ENSG00000000971	-1.222923266	0.00016732	down-regulated gene
MYL6P3	ENSG00000227173	-1.223011841	0.003708645	down-regulated gene
LHCGR	ENSG00000138039	-1.223151771	0.12425883	down-regulated gene
MTCYBP21	ENSG00000224747	-1.223808033	0.048269019	down-regulated gene
RN7SL526P	ENSG00000243642	-1.223900954	0.013310521	down-regulated gene
AC120498.1	ENSG00000259910	-1.224352126	0.284238428	down-regulated gene
AC022431.1	ENSG00000234553	-1.224511983	0.109246296	down-regulated gene
IL3	ENSG00000164399	-1.224896793	0.473255428	down-regulated gene
AC010226.1	ENSG00000249249	-1.225592541	3.7574E-09	down-regulated gene
CDC42EP2	ENSG00000149798	-1.225698383	1.27194E-06	down-regulated gene
AL590556.1	ENSG00000232037	-1.225881802	5.49929E-07	down-regulated gene
NCOA7	ENSG00000111912	-1.22669717	8.71191E-07	down-regulated gene
SIK1B	ENSG00000275993	-1.226708056	3.3427E-05	down-regulated gene
PABPC5-AS1	ENSG00000234161	-1.227123488	0.168340782	down-regulated gene
PITPNM3	ENSG00000091622	-1.227187812	0.000635423	down-regulated gene
IMPA2	ENSG00000141401	-1.227367779	1.81971E-05	down-regulated gene
AC012414.4	ENSG00000260409	-1.227630105	0.020986147	down-regulated gene

LINC01697	ENSG00000232079	-1.227781564	0.070743314	down-regulated gene
AC010247.2	ENSG00000259436	-1.228030951	0.003329782	down-regulated gene
UST	ENSG00000111962	-1.228159957	2.68547E-05	down-regulated gene
TAAR8	ENSG00000146385	-1.228163091	0.705112934	down-regulated gene
AC097493.1	ENSG00000242034	-1.22856264	0.123460174	down-regulated gene
PLEKHO2	ENSG00000241839	-1.229198272	9.55778E-09	down-regulated gene
SAMD5	ENSG00000203727	-1.229437991	0.002418752	down-regulated gene
LINGO3	ENSG00000220008	-1.229464179	0.002795222	down-regulated gene
AC099560.1	ENSG00000231873	-1.229908005	0.073671515	down-regulated gene
ADRB2	ENSG00000169252	-1.229921681	0.001427575	down-regulated gene
EEF1A1P36	ENSG00000223912	-1.230131058	0.008183577	down-regulated gene
RFTN2	ENSG00000162944	-1.230419142	3.49499E-08	down-regulated gene
GRID2	ENSG00000152208	-1.230677467	0.204656334	down-regulated gene
CIPC	ENSG00000198894	-1.230773238	4.78947E-18	down-regulated gene
LRRC32	ENSG00000137507	-1.230917847	7.83111E-05	down-regulated gene
HTR4	ENSG00000164270	-1.232307174	0.009344445	down-regulated gene
NUP210L	ENSG00000143552	-1.233347673	0.000110578	down-regulated gene
AC037459.3	ENSG00000254230	-1.233865902	0.086799301	down-regulated gene
KCNK4-TEX40	ENSG00000257069	-1.234240966	0.052495895	down-regulated gene
ARHGEF15	ENSG00000198844	-1.234408954	7.36889E-07	down-regulated gene
AC053503.4	ENSG00000268603	-1.234488508	4.98406E-06	down-regulated gene
CLMP	ENSG00000166250	-1.234710094	0.002074659	down-regulated gene
IL12A-AS1	ENSG00000244040	-1.234970381	0.000551602	down-regulated gene
RNF222	ENSG00000189051	-1.235407561	0.008917996	down-regulated gene
CYP2U1	ENSG00000155016	-1.235979404	4.82207E-08	down-regulated gene
AL135746.1	ENSG00000259028	-1.236024779	0.246624212	down-regulated gene
AC025627.2	ENSG00000263107	-1.237358492	0.607439216	down-regulated gene
FAM50B	ENSG00000145945	-1.237582622	0.000642959	down-regulated gene
AC106801.1	ENSG00000253519	-1.238390293	0.019984239	down-regulated gene
UBBP1	ENSG00000230037	-1.238395003	0.002828905	down-regulated gene
LINC02550	ENSG00000271584	-1.238396899	0.001136585	down-regulated gene
AC147067.2	ENSG00000272783	-1.238627822	0.000753786	down-regulated gene
HSPE1P18	ENSG00000255163	-1.238641445	0.038070229	down-regulated gene
AC114964.1	ENSG00000248699	-1.23878167	0.002282942	down-regulated gene
ATP8B4	ENSG00000104043	-1.239252622	0.000152582	down-regulated gene
AC008716.1	ENSG00000213488	-1.239581314	0.263497078	down-regulated gene
CYP2A7	ENSG00000198077	-1.239705604	0.165532852	down-regulated gene
CD300LB	ENSG00000178789	-1.240886654	0.000670235	down-regulated gene
AC100863.1	ENSG00000265844	-1.24184793	0.681035484	down-regulated gene
AC126768.1	ENSG00000248597	-1.242336761	0.246556145	down-regulated gene
EEF1A1P4	ENSG00000245205	-1.242537726	1.64694E-06	down-regulated gene
CHRD2	ENSG00000054938	-1.242944395	0.035694656	down-regulated gene
ACR	ENSG00000100312	-1.243731692	0.000188196	down-regulated gene
MIR708	ENSG00000211997	-1.243958198	0.095678949	down-regulated gene
PLK3	ENSG00000173846	-1.244189696	3.13585E-08	down-regulated gene
PRICKLE2-AS3	ENSG00000226017	-1.244523446	0.017056167	down-regulated gene
PITPNM2	ENSG00000090975	-1.245128484	4.99844E-09	down-regulated gene
USP12PX	ENSG00000226081	-1.245335156	0.213927169	down-regulated gene
RBMS3-AS3	ENSG00000235904	-1.24605153	0.032688079	down-regulated gene

AL450270.1	ENSG00000272428	-1.246464121	0.09463443	down-regulated gene
CPB2-AS1	ENSG00000235903	-1.246563343	0.000861344	down-regulated gene
FCRL3	ENSG00000160856	-1.246656205	0.017750639	down-regulated gene
AC006458.1	ENSG00000227489	-1.246861592	0.592077993	down-regulated gene
FAM170B	ENSG00000172538	-1.246940647	0.054809236	down-regulated gene
MOB4P2	ENSG00000271318	-1.247756973	0.059724789	down-regulated gene
PECAM1	ENSG00000261371	-1.24909062	8.63317E-07	down-regulated gene
RPL5P33	ENSG00000243521	-1.249149065	0.045847268	down-regulated gene
PCDHGC3	ENSG00000240184	-1.249611537	6.63567E-05	down-regulated gene
PAM	ENSG00000145730	-1.24966279	1.34874E-07	down-regulated gene
AC117500.4	ENSG00000279153	-1.249727731	0.749295033	down-regulated gene
AC051618.1	ENSG00000236958	-1.250383003	0.630424947	down-regulated gene
ATXN1-AS1	ENSG00000229931	-1.250510714	2.36665E-05	down-regulated gene
TMEM232	ENSG00000186952	-1.250919959	1.67959E-06	down-regulated gene
LINC01750	ENSG00000231437	-1.251712467	0.007957283	down-regulated gene
SLC22A8	ENSG00000149452	-1.252147581	0.136520617	down-regulated gene
AC022509.4	ENSG00000278095	-1.252734599	0.006903241	down-regulated gene
RARB	ENSG00000077092	-1.252757391	0.000375925	down-regulated gene
AL390755.1	ENSG00000275830	-1.252819569	0.044295565	down-regulated gene
GOLGA8T	ENSG00000261247	-1.253088682	0.003554734	down-regulated gene
AL353611.1	ENSG00000236403	-1.253103217	0.566347957	down-regulated gene
SLC9A7P1	ENSG00000227825	-1.253225407	0.000414199	down-regulated gene
TLL11	ENSG00000175764	-1.25336677	2.39516E-13	down-regulated gene
TCF4	ENSG00000196628	-1.25340281	2.3454E-06	down-regulated gene
LRRC77P	ENSG00000244227	-1.253458697	0.00630695	down-regulated gene
AC008641.1	ENSG00000254298	-1.253735615	0.25522761	down-regulated gene
SIGLECL1	ENSG00000179213	-1.254000027	0.278640594	down-regulated gene
MMP16	ENSG00000156103	-1.254158889	0.000916169	down-regulated gene
AP000852.1	ENSG00000240174	-1.25435562	0.202010944	down-regulated gene
EEF1A1P14	ENSG00000233057	-1.25440282	4.181E-06	down-regulated gene
DEFB132	ENSG00000186458	-1.254549494	0.424325193	down-regulated gene
MRPS30-DT	ENSG00000251141	-1.254654458	1.85952E-06	down-regulated gene
STOM	ENSG00000148175	-1.254833267	1.28884E-05	down-regulated gene
LGALS12	ENSG00000133317	-1.254942794	0.025231234	down-regulated gene
Z82198.1	ENSG00000228622	-1.255036123	0.132254023	down-regulated gene
AL583834.1	ENSG00000220614	-1.255729532	0.006551945	down-regulated gene
LINC02273	ENSG00000245954	-1.256019753	0.006920374	down-regulated gene
PPAN-P2RY11	ENSG00000243207	-1.256365298	0.001995257	down-regulated gene
DCX	ENSG00000077279	-1.257061719	0.117279431	down-regulated gene
AL391380.1	ENSG00000237833	-1.257428549	0.106729344	down-regulated gene
ELOVL2	ENSG00000197977	-1.257854137	0.001905625	down-regulated gene
AC022868.1	ENSG00000253833	-1.257947757	8.5403E-07	down-regulated gene
OSTN-AS1	ENSG00000233308	-1.258099492	0.02411736	down-regulated gene
RPL13AP17	ENSG00000231322	-1.258113344	0.163160653	down-regulated gene
IPO7P1	ENSG00000232951	-1.258242725	0.115333778	down-regulated gene
ANGPT1	ENSG00000154188	-1.258352606	0.002266649	down-regulated gene
AL135960.1	ENSG00000226252	-1.258375784	0.000476844	down-regulated gene
GLIS1	ENSG00000174332	-1.258538279	0.002353877	down-regulated gene
AC102945.2	ENSG00000279041	-1.258606791	0.000168254	down-regulated gene

PTPN21	ENSG00000070778	-1.259172847	2.63727E-11	down-regulated gene
LINC00639	ENSG00000259070	-1.259241004	0.000466486	down-regulated gene
C22orf23	ENSG00000128346	-1.259501132	3.50334E-07	down-regulated gene
AC116447.1	ENSG00000274918	-1.259919148	3.75204E-08	down-regulated gene
CD99L2	ENSG00000102181	-1.261091322	1.47204E-08	down-regulated gene
KIF13A	ENSG00000137177	-1.261279947	9.68397E-12	down-regulated gene
IFFO1	ENSG00000010295	-1.261345894	6.96232E-06	down-regulated gene
PTBP2	ENSG00000117569	-1.261591665	4.56034E-15	down-regulated gene
RPL31P45	ENSG00000233318	-1.261608581	0.491222532	down-regulated gene
RHOQP2	ENSG00000232742	-1.262044049	5.6026E-08	down-regulated gene
PHLDB2	ENSG00000144824	-1.262085193	4.51506E-06	down-regulated gene
EEF1A1P24	ENSG00000223668	-1.262242005	3.58026E-06	down-regulated gene
NPFRR1	ENSG00000148734	-1.262310579	0.00249638	down-regulated gene
EEF1A1P11	ENSG00000228502	-1.262568498	1.27844E-05	down-regulated gene
KCND3-AS1	ENSG00000237556	-1.263816637	0.367934366	down-regulated gene
AC113133.1	ENSG00000253389	-1.263959631	0.165771942	down-regulated gene
MALRD1	ENSG00000204740	-1.264152313	0.011148084	down-regulated gene
TIMP2	ENSG00000035862	-1.264386474	0.000232064	down-regulated gene
NOL4	ENSG00000101746	-1.264733968	0.118473319	down-regulated gene
S100B	ENSG00000160307	-1.264981061	0.00156306	down-regulated gene
RNU6-316P	ENSG00000212329	-1.265450393	0.156433964	down-regulated gene
CPB1	ENSG00000153002	-1.265585668	0.103938474	down-regulated gene
AF228730.2	ENSG00000234120	-1.266005877	0.206188869	down-regulated gene
OSBPL1A	ENSG00000141447	-1.266196573	3.66573E-08	down-regulated gene
TMEM72-AS1	ENSG00000224812	-1.266321513	0.00091051	down-regulated gene
AC245884.2	ENSG00000234436	-1.266388216	0.307219567	down-regulated gene
OTUD7A	ENSG00000169918	-1.266778014	0.000153261	down-regulated gene
AC136777.1	ENSG00000249868	-1.266809312	0.536582952	down-regulated gene
LINC02461	ENSG00000258331	-1.267215666	0.048737447	down-regulated gene
CTTNBP2	ENSG00000077063	-1.267412215	0.011855387	down-regulated gene
AC091982.1	ENSG00000253921	-1.267699427	7.13994E-06	down-regulated gene
TNFSF12-TNFSF13	ENSG00000248871	-1.268584271	0.002022993	down-regulated gene
MAP1LC3C	ENSG00000197769	-1.26878377	0.022036387	down-regulated gene
SH3RF3-AS1	ENSG00000259863	-1.26882845	0.000104677	down-regulated gene
PP2672	ENSG00000279261	-1.269409988	0.057451667	down-regulated gene
CDIP1	ENSG00000089486	-1.269824832	6.25738E-05	down-regulated gene
AC004825.2	ENSG00000274818	-1.270057434	1.56495E-09	down-regulated gene
HSPA12B	ENSG00000132622	-1.270288498	2.9165E-06	down-regulated gene
RNU6-1280P	ENSG00000202081	-1.270645466	0.007330161	down-regulated gene
INKA2	ENSG00000197852	-1.270669108	1.00784E-11	down-regulated gene
PCDHA3	ENSG00000255408	-1.27125289	0.01060564	down-regulated gene
KLHL21	ENSG00000162413	-1.271726393	1.90265E-11	down-regulated gene
TBC1D3C	ENSG00000278299	-1.271849371	0.135460853	down-regulated gene
DUSP19	ENSG00000162999	-1.272195761	5.38793E-11	down-regulated gene
ZMAT1	ENSG00000166432	-1.272252562	0.00041606	down-regulated gene
PLA2G2A	ENSG00000188257	-1.272783046	0.037451374	down-regulated gene
STMN4	ENSG00000015592	-1.273360142	0.035410944	down-regulated gene
TTC28	ENSG00000100154	-1.273424171	2.50654E-07	down-regulated gene
AP000755.2	ENSG00000255219	-1.273680158	0.366584844	down-regulated gene

AC133961.1	ENSG00000251009	-1.273850358	0.034122919	down-regulated gene
AC013553.4	ENSG00000278737	-1.27395598	0.000425542	down-regulated gene
NLRP6	ENSG00000174885	-1.274252873	0.00071105	down-regulated gene
P2RX6P	ENSG00000206145	-1.274725791	0.071776579	down-regulated gene
BDH2P1	ENSG00000232699	-1.274798907	0.000475855	down-regulated gene
AL390783.1	ENSG00000235020	-1.274883812	0.044629057	down-regulated gene
LINC00929	ENSG00000259150	-1.275055027	0.444647972	down-regulated gene
SNORD114-3	ENSG00000201839	-1.275710726	0.269682829	down-regulated gene
AK4	ENSG00000162433	-1.277087855	0.001268536	down-regulated gene
TMEM233	ENSG00000224982	-1.277319452	4.18564E-05	down-regulated gene
LINC01919	ENSG00000263438	-1.277346369	0.252276882	down-regulated gene
LINC02557	ENSG00000225413	-1.277502231	0.594857557	down-regulated gene
MIR27B	ENSG00000207864	-1.278133981	0.046010959	down-regulated gene
AP000926.1	ENSG00000255342	-1.278778709	0.070349212	down-regulated gene
PWAR5	ENSG00000279192	-1.278844243	0.017981337	down-regulated gene
AC064805.1	ENSG00000261222	-1.278953278	0.004407841	down-regulated gene
NALT1	ENSG00000237886	-1.278979534	0.00023728	down-regulated gene
APOD	ENSG00000189058	-1.279060678	0.016620258	down-regulated gene
AC079193.1	ENSG00000244113	-1.279281767	0.023226558	down-regulated gene
LINC00926	ENSG00000247982	-1.279288297	0.000416769	down-regulated gene
CYP27A1	ENSG00000135929	-1.279463707	0.000201174	down-regulated gene
ENPP1	ENSG00000197594	-1.279474569	0.002197052	down-regulated gene
AL049839.2	ENSG00000273259	-1.279583863	0.051853457	down-regulated gene
OPN1SW	ENSG00000128617	-1.279881031	2.76984E-10	down-regulated gene
LRCH1	ENSG00000136141	-1.279910693	1.09991E-16	down-regulated gene
AC010460.3	ENSG00000250332	-1.280871	0.339930812	down-regulated gene
AC025279.2	ENSG00000260413	-1.281168056	0.245979018	down-regulated gene
AC026461.3	ENSG00000260823	-1.281173143	0.177709012	down-regulated gene
RPL7P18	ENSG00000243806	-1.281949211	0.005344862	down-regulated gene
TAC1	ENSG00000006128	-1.28196803	0.143274432	down-regulated gene
AL121929.2	ENSG00000273108	-1.282611847	0.008879436	down-regulated gene
AL096828.2	ENSG00000260416	-1.282612077	0.211745536	down-regulated gene
ME1	ENSG00000065833	-1.282918653	0.000171025	down-regulated gene
AC090386.2	ENSG00000279678	-1.284718939	0.754900221	down-regulated gene
IL11RA	ENSG00000137070	-1.284750592	2.69504E-09	down-regulated gene
NAPSB	ENSG00000131401	-1.284755542	0.001569398	down-regulated gene
GOLGA2P4	ENSG00000229608	-1.284999693	0.067749296	down-regulated gene
TPT1P2	ENSG00000228111	-1.285084736	0.084609837	down-regulated gene
TRBV18	ENSG00000276557	-1.285269482	0.010493475	down-regulated gene
EIF4A2P4	ENSG00000224781	-1.285275596	0.000123213	down-regulated gene
PBXIP1	ENSG00000163346	-1.285294829	8.43404E-14	down-regulated gene
UNGP1	ENSG00000260818	-1.285297899	0.293033784	down-regulated gene
AL133384.1	ENSG00000229668	-1.285391258	0.377873785	down-regulated gene
MROH8	ENSG00000101353	-1.285403712	7.59711E-09	down-regulated gene
TXNRD1	ENSG00000198431	-1.285726996	9.67945E-05	down-regulated gene
CRTAP	ENSG00000170275	-1.285822128	5.17875E-17	down-regulated gene
NXPE2	ENSG00000204361	-1.286208513	0.031709965	down-regulated gene
AL683807.2	ENSG00000234622	-1.286514527	0.111949595	down-regulated gene
CCL16	ENSG00000275152	-1.286607756	0.006542699	down-regulated gene

FSTL1	ENSG00000163430	-1.286628076	1.89002E-06	down-regulated gene
RAP2C-AS1	ENSG00000232160	-1.287681217	1.25891E-10	down-regulated gene
PLAC9P1	ENSG00000214100	-1.287775701	0.042346797	down-regulated gene
JPH4	ENSG00000092051	-1.287890735	0.003664426	down-regulated gene
LINC02148	ENSG00000250427	-1.288005774	0.043458401	down-regulated gene
AL365205.4	ENSG00000269387	-1.288043903	0.08789802	down-regulated gene
AL078621.1	ENSG00000279267	-1.288047068	6.79037E-10	down-regulated gene
AC012355.1	ENSG00000230975	-1.288419174	0.400355082	down-regulated gene
FLRT2	ENSG00000185070	-1.288575909	0.00432689	down-regulated gene
ZNF516	ENSG00000101493	-1.28897708	1.99464E-07	down-regulated gene
AL451139.1	ENSG00000225854	-1.289005827	0.001364272	down-regulated gene
GAS1	ENSG00000180447	-1.289014934	0.00660629	down-regulated gene
AL162231.3	ENSG00000258728	-1.289415643	0.283895887	down-regulated gene
RPS3AP7	ENSG00000229965	-1.289476767	0.000278328	down-regulated gene
SELENOP	ENSG00000250722	-1.289689141	0.000948015	down-regulated gene
BANF2	ENSG00000125888	-1.289717379	0.386799755	down-regulated gene
EEF1A1P27	ENSG00000179460	-1.290208453	0.005971562	down-regulated gene
PRICKLE2-AS1	ENSG00000241111	-1.29045603	0.024126398	down-regulated gene
AP005901.3	ENSG00000265015	-1.290771367	0.661133749	down-regulated gene
CREBRF	ENSG00000164463	-1.290963367	8.65739E-15	down-regulated gene
PRKAG2-AS1	ENSG00000239911	-1.290970604	0.000584876	down-regulated gene
AC091182.1	ENSG00000253123	-1.291596213	0.000192515	down-regulated gene
GRK5	ENSG00000198873	-1.291898229	4.78826E-07	down-regulated gene
PROK1	ENSG00000143125	-1.291983674	0.040174676	down-regulated gene
AC136777.2	ENSG00000254104	-1.292209458	0.140880725	down-regulated gene
AC079790.1	ENSG00000225214	-1.29228036	0.231867864	down-regulated gene
AC013472.2	ENSG00000272056	-1.292372236	5.83222E-06	down-regulated gene
OVOL1	ENSG00000172818	-1.2926367	0.000438566	down-regulated gene
AC005280.1	ENSG00000251393	-1.292806359	0.034437002	down-regulated gene
RD3	ENSG00000198570	-1.292975208	0.02777384	down-regulated gene
ADAMTS7P4	ENSG00000218052	-1.293085414	3.39965E-05	down-regulated gene
EPHA2	ENSG00000142627	-1.293747246	4.27255E-06	down-regulated gene
PRKD1	ENSG00000184304	-1.294758594	1.39296E-05	down-regulated gene
AC142391.1	ENSG00000279686	-1.294854567	0.214488334	down-regulated gene
SNX29P1	ENSG00000158482	-1.294877038	0.001369798	down-regulated gene
LINC01140	ENSG00000267272	-1.295024786	4.38131E-05	down-regulated gene
BMPER	ENSG00000164619	-1.295135206	0.003172627	down-regulated gene
PGAM1P10	ENSG00000220515	-1.295449018	0.184046099	down-regulated gene
AC008745.1	ENSG00000271150	-1.295786523	0.011433255	down-regulated gene
AR	ENSG00000169083	-1.296382093	0.005617553	down-regulated gene
SLC25A47P1	ENSG00000254799	-1.296674459	0.174454787	down-regulated gene
AC078889.1	ENSG00000256072	-1.296865676	0.084405561	down-regulated gene
AC098614.2	ENSG00000271943	-1.297225298	0.000127209	down-regulated gene
AL157396.1	ENSG00000280660	-1.297252368	0.036790776	down-regulated gene
HGF	ENSG00000019991	-1.297807833	0.01357924	down-regulated gene
AL118508.3	ENSG00000279447	-1.298177002	6.66842E-05	down-regulated gene
TRPM6	ENSG00000119121	-1.298552727	0.002381356	down-regulated gene
MIR4511	ENSG00000264737	-1.298934654	0.416333287	down-regulated gene
RNU6-702P	ENSG00000201852	-1.299706401	0.258343442	down-regulated gene

AC022217.2	ENSG00000253295	-1.300010832	0.002721868	down-regulated gene
PKNOX2-AS1	ENSG00000254880	-1.300647764	0.215768085	down-regulated gene
PDLIM4	ENSG00000131435	-1.301564284	0.000626985	down-regulated gene
EEF1A1P8	ENSG00000223529	-1.301584351	1.87079E-07	down-regulated gene
UTS2B	ENSG00000188958	-1.302255322	9.42395E-05	down-regulated gene
DSEL	ENSG00000171451	-1.302645555	5.37777E-05	down-regulated gene
AC091152.4	ENSG00000279879	-1.302714898	1.26342E-07	down-regulated gene
LRIG1	ENSG00000144749	-1.302836569	0.000407542	down-regulated gene
TMX4	ENSG00000125827	-1.303810841	1.95214E-14	down-regulated gene
AC092111.1	ENSG00000275367	-1.304326351	0.000669238	down-regulated gene
AC016687.1	ENSG00000239983	-1.304874248	0.005831069	down-regulated gene
AICDA	ENSG00000111732	-1.305589883	0.05447737	down-regulated gene
AL117348.2	ENSG00000255835	-1.305682499	0.011774033	down-regulated gene
TMEM273	ENSG00000204161	-1.305960159	2.10708E-05	down-regulated gene
SHROOM3-AS1	ENSG00000233860	-1.306075613	0.010911041	down-regulated gene
SDC3	ENSG00000162512	-1.306352816	3.41873E-09	down-regulated gene
LINC01387	ENSG00000265944	-1.307342659	0.323612598	down-regulated gene
AL355974.2	ENSG00000276269	-1.30742083	0.148539654	down-regulated gene
EEF1A1P1	ENSG00000223822	-1.307636531	2.24919E-05	down-regulated gene
STRA6LP	ENSG00000255036	-1.307963574	0.000383655	down-regulated gene
FAM240C	ENSG00000216921	-1.308551803	0.0226348	down-regulated gene
ZBTB4	ENSG00000174282	-1.308676375	1.12148E-23	down-regulated gene
AOX3P	ENSG00000244301	-1.309291985	0.043280739	down-regulated gene
CES1P1	ENSG00000228695	-1.310181805	0.130790418	down-regulated gene
TCEAL3	ENSG00000196507	-1.310238673	1.80535E-10	down-regulated gene
HUNK	ENSG00000142149	-1.310316839	0.00291875	down-regulated gene
NES	ENSG00000132688	-1.31137728	3.18225E-05	down-regulated gene
RIMS3	ENSG00000117016	-1.311467374	0.000202297	down-regulated gene
JDP2	ENSG00000140044	-1.311731502	8.40629E-08	down-regulated gene
AL358779.1	ENSG00000231678	-1.311904491	0.634381524	down-regulated gene
SNTA1	ENSG00000101400	-1.312514902	1.34794E-08	down-regulated gene
CD69	ENSG00000110848	-1.31256058	0.002363442	down-regulated gene
ANKRD44	ENSG00000065413	-1.312656774	4.82775E-07	down-regulated gene
PDCD6IPP1	ENSG00000275325	-1.312674329	0.002102402	down-regulated gene
ITPRIP	ENSG00000148841	-1.312997714	3.13378E-08	down-regulated gene
AC093908.1	ENSG00000280219	-1.313290238	0.000116161	down-regulated gene
MEG3	ENSG00000214548	-1.313756452	0.001871313	down-regulated gene
DIPK2B	ENSG00000147113	-1.313848521	1.20654E-07	down-regulated gene
CCSER2	ENSG00000107771	-1.314149407	1.99728E-20	down-regulated gene
KLHL14	ENSG00000197705	-1.314213854	0.010134489	down-regulated gene
IL6R	ENSG00000160712	-1.314822771	1.80883E-05	down-regulated gene
LINC02716	ENSG00000205106	-1.314917352	0.00276745	down-regulated gene
DCLK2	ENSG00000170390	-1.314988732	0.000104041	down-regulated gene
LINC00365	ENSG00000224511	-1.3154411	0.009513975	down-regulated gene
ELN-AS1	ENSG00000232415	-1.315539055	7.51209E-05	down-regulated gene
LIX1L	ENSG00000271601	-1.315645312	3.22698E-09	down-regulated gene
IL21-AS1	ENSG00000227145	-1.316742625	0.01577418	down-regulated gene
AC011239.1	ENSG00000224361	-1.317334217	0.124253653	down-regulated gene
AC243562.1	ENSG00000259570	-1.317593341	0.000495402	down-regulated gene

AC005165.1	ENSG00000223561	-1.317666917	0.006567533	down-regulated gene
EEF1A1P16	ENSG00000213235	-1.317748628	1.6269E-08	down-regulated gene
C20orf194	ENSG00000088854	-1.317780287	1.12805E-12	down-regulated gene
MTND4P21	ENSG00000231777	-1.318563274	0.41880115	down-regulated gene
AC111188.1	ENSG00000254957	-1.318788793	0.040429372	down-regulated gene
AHNAK2	ENSG00000185567	-1.319023486	0.010524399	down-regulated gene
LINC01013	ENSG00000228495	-1.319114798	0.008036173	down-regulated gene
ADRA2B	ENSG00000274286	-1.319203689	0.001129496	down-regulated gene
AP002518.2	ENSG00000256947	-1.319992284	0.200765264	down-regulated gene
SAP30-DT	ENSG00000272870	-1.319993851	1.72284E-10	down-regulated gene
AC087499.3	ENSG00000232889	-1.320335369	0.374667784	down-regulated gene
WTAPP1	ENSG00000255282	-1.32046623	0.000646282	down-regulated gene
TRIM60	ENSG00000176979	-1.321057862	0.483855567	down-regulated gene
SHROOM3	ENSG00000138771	-1.321228285	3.16573E-05	down-regulated gene
LINC02568	ENSG00000259459	-1.321456585	0.006748942	down-regulated gene
ALLC	ENSG00000151360	-1.321512449	0.042951827	down-regulated gene
LINC02599	ENSG00000233858	-1.321668263	0.011943015	down-regulated gene
MIDN	ENSG00000167470	-1.322324931	3.9801E-17	down-regulated gene
AC022364.1	ENSG00000247934	-1.322363138	1.42571E-11	down-regulated gene
AL035604.1	ENSG00000233534	-1.322634714	0.174201886	down-regulated gene
MC2R	ENSG00000185231	-1.32337206	0.11042938	down-regulated gene
AC105942.1	ENSG00000235501	-1.323410721	2.42439E-06	down-regulated gene
AHCYP3	ENSG00000233955	-1.323430456	0.521385546	down-regulated gene
SPX	ENSG00000134548	-1.323859875	0.019466328	down-regulated gene
AOAH-IT1	ENSG00000230539	-1.324204854	0.074398751	down-regulated gene
IL34	ENSG00000157368	-1.324283902	0.000127759	down-regulated gene
AC011365.2	ENSG00000254192	-1.324607008	0.014055169	down-regulated gene
SLC16A7	ENSG00000118596	-1.324673094	9.03006E-05	down-regulated gene
CPO	ENSG00000144410	-1.324761281	0.000996379	down-regulated gene
AC022034.4	ENSG00000254204	-1.325192845	0.001784571	down-regulated gene
MSANTD3-TMEFF1	ENSG00000251349	-1.325196248	3.98695E-05	down-regulated gene
AC008537.3	ENSG00000279108	-1.325303743	3.91607E-05	down-regulated gene
AC016820.1	ENSG00000228683	-1.325596857	0.42122117	down-regulated gene
LINC01624	ENSG00000227508	-1.325739222	0.003459699	down-regulated gene
MBNL1	ENSG00000152601	-1.326344561	4.6963E-21	down-regulated gene
AL355096.1	ENSG00000258460	-1.326356038	0.115648979	down-regulated gene
LINC01915	ENSG00000265485	-1.326406201	0.010298153	down-regulated gene
ARL2-SNX15	ENSG00000273003	-1.326767048	0.05570656	down-regulated gene
GAS6	ENSG00000183087	-1.327460987	0.000168754	down-regulated gene
SLC26A4-AS1	ENSG00000233705	-1.327504968	0.023182199	down-regulated gene
MIDEAS	ENSG00000156030	-1.328436493	2.72542E-17	down-regulated gene
RBP7	ENSG00000162444	-1.328828941	0.00039184	down-regulated gene
IRF4	ENSG00000137265	-1.329173	0.001399621	down-regulated gene
MPV17L	ENSG00000156968	-1.329227698	0.001835035	down-regulated gene
IGIP	ENSG00000182700	-1.329256188	2.71101E-16	down-regulated gene
GJC1	ENSG00000182963	-1.329685406	5.86376E-06	down-regulated gene
MPPED2-AS1	ENSG00000254489	-1.32996327	0.035890579	down-regulated gene
ZC3H12B	ENSG00000102053	-1.330097055	1.11552E-05	down-regulated gene
MPP7	ENSG00000150054	-1.330321295	1.7859E-06	down-regulated gene

CLVS2	ENSG00000146352	-1.330425375	0.114620083	down-regulated gene
IGSF21	ENSG00000117154	-1.330670476	0.003159503	down-regulated gene
ELOCP29	ENSG00000267418	-1.331103556	0.178039869	down-regulated gene
RAET1E	ENSG00000164520	-1.332300531	0.003623806	down-regulated gene
MID2	ENSG00000080561	-1.332621505	1.27941E-12	down-regulated gene
PRX	ENSG00000105227	-1.332912576	5.64104E-10	down-regulated gene
LINC00421	ENSG00000236834	-1.333186907	0.435263437	down-regulated gene
BX293535.1	ENSG00000237429	-1.333448922	0.000258247	down-regulated gene
AC005906.2	ENSG00000256654	-1.334061469	0.172350777	down-regulated gene
AC091979.1	ENSG00000254350	-1.33410325	0.04700966	down-regulated gene
AJAP1	ENSG00000196581	-1.335069681	0.002795585	down-regulated gene
AC091932.1	ENSG00000260981	-1.335072011	0.295316508	down-regulated gene
AC087392.2	ENSG00000262133	-1.335507516	0.003974413	down-regulated gene
AL136531.3	ENSG00000280162	-1.335745195	0.000488869	down-regulated gene
KIAA1755	ENSG00000149633	-1.336141155	0.00214424	down-regulated gene
KLF7P1	ENSG00000240704	-1.336412483	0.042904836	down-regulated gene
CMAHP	ENSG00000168405	-1.337025555	5.17512E-05	down-regulated gene
PDE3A	ENSG00000172572	-1.337097434	3.18455E-05	down-regulated gene
ABCC4	ENSG00000125257	-1.337878417	2.15892E-06	down-regulated gene
AL132709.6	ENSG00000222185	-1.3380315	0.504520303	down-regulated gene
CORO1C	ENSG00000110880	-1.338265733	1.43921E-10	down-regulated gene
DIO3	ENSG00000197406	-1.338803132	0.016408026	down-regulated gene
DDX10P1	ENSG00000237135	-1.338828514	0.005410784	down-regulated gene
KITLG	ENSG00000049130	-1.338873038	0.000126616	down-regulated gene
KDM6B	ENSG00000132510	-1.339375188	8.14515E-14	down-regulated gene
EEF1A1P7	ENSG00000268222	-1.339458146	9.32341E-09	down-regulated gene
CPEB3	ENSG00000107864	-1.340010529	1.1357E-14	down-regulated gene
RPRM	ENSG00000177519	-1.340586145	0.009697842	down-regulated gene
AC091588.1	ENSG00000264012	-1.341482389	0.045045011	down-regulated gene
WIPF3	ENSG00000122574	-1.341623816	0.00045894	down-regulated gene
ALPK3	ENSG00000136383	-1.342025444	4.10406E-06	down-regulated gene
MTND3P19	ENSG00000271480	-1.342042193	0.071689639	down-regulated gene
AC093278.1	ENSG00000244061	-1.342129351	0.010610568	down-regulated gene
TRAK2	ENSG00000115993	-1.342357929	4.05518E-19	down-regulated gene
LOH12CR2	ENSG00000205791	-1.342822297	5.13303E-12	down-regulated gene
TSHZ2	ENSG00000182463	-1.343249457	4.09387E-05	down-regulated gene
ROCK1	ENSG00000067900	-1.34545468	7.87315E-17	down-regulated gene
KLF12	ENSG00000118922	-1.345458473	7.49937E-06	down-regulated gene
AC007906.2	ENSG00000277639	-1.345588175	0.003171619	down-regulated gene
PRCD	ENSG00000214140	-1.345599888	3.16021E-07	down-regulated gene
LINC01095	ENSG00000248809	-1.345800302	0.172082397	down-regulated gene
AC011767.1	ENSG00000259425	-1.346238265	0.018594099	down-regulated gene
NGF	ENSG00000134259	-1.346639392	0.001426796	down-regulated gene
SLC24A4	ENSG00000140090	-1.346749357	1.10023E-05	down-regulated gene
LRRC18	ENSG00000165383	-1.346768831	0.010581449	down-regulated gene
GNAQP1	ENSG00000214077	-1.346785621	0.000191252	down-regulated gene
AC100793.3	ENSG00000267765	-1.347061143	0.001130788	down-regulated gene
GPR3	ENSG00000181773	-1.347775574	6.28111E-07	down-regulated gene
RTL3	ENSG00000179300	-1.347851533	0.018899697	down-regulated gene

HEPACAM	ENSG00000165478	-1.347871411	0.071709998	down-regulated gene
AC097372.3	ENSG00000280250	-1.347888123	0.20016796	down-regulated gene
FAM71A	ENSG00000162771	-1.348139221	0.110095023	down-regulated gene
AC109630.1	ENSG00000259269	-1.349026602	0.111671435	down-regulated gene
SCHIP1	ENSG00000151967	-1.349217151	4.0152E-06	down-regulated gene
ATXN1	ENSG00000124788	-1.349602552	2.133E-08	down-regulated gene
PNMA8C	ENSG00000277531	-1.350900524	0.086860201	down-regulated gene
LINC00574	ENSG00000231690	-1.350990619	0.001657688	down-regulated gene
ACTBP6	ENSG00000203413	-1.351523847	0.120180959	down-regulated gene
ZNF831	ENSG00000124203	-1.351549959	0.001557568	down-regulated gene
RUFY1-AS1	ENSG00000244945	-1.351826541	1.78706E-08	down-regulated gene
CTD-2297D10.2	ENSG00000250579	-1.351891369	0.023012092	down-regulated gene
AC013643.3	ENSG00000279302	-1.352061081	0.005634065	down-regulated gene
SNX18P13	ENSG00000230965	-1.352423407	0.017033259	down-regulated gene
PPP1R16B	ENSG00000101445	-1.353081553	2.54274E-05	down-regulated gene
ZNF300P1	ENSG00000197083	-1.35339196	0.00127963	down-regulated gene
SETD7	ENSG00000145391	-1.354074531	1.32661E-15	down-regulated gene
AC135983.5	ENSG00000261375	-1.354089898	0.029639732	down-regulated gene
AFAP1	ENSG00000196526	-1.354467491	1.58162E-09	down-regulated gene
AL135786.1	ENSG00000231967	-1.354708416	0.001606323	down-regulated gene
OR2L13	ENSG00000196071	-1.354971921	0.258509424	down-regulated gene
TRIM50	ENSG00000146755	-1.355624551	0.001086619	down-regulated gene
ROCK2	ENSG00000134318	-1.355760269	2.56303E-22	down-regulated gene
DBNDD2	ENSG00000244274	-1.355845207	2.61716E-07	down-regulated gene
AC084819.1	ENSG00000256923	-1.356452903	0.135931997	down-regulated gene
DLGAP2	ENSG00000198010	-1.356537357	0.003150117	down-regulated gene
AC131934.1	ENSG00000255158	-1.356659504	0.000105667	down-regulated gene
ZNF540	ENSG00000171817	-1.356677335	1.27397E-07	down-regulated gene
STK33	ENSG00000130413	-1.356943235	0.002383206	down-regulated gene
CORO2B	ENSG00000103647	-1.357016129	0.000230262	down-regulated gene
GZMM	ENSG00000197540	-1.357040031	0.001137403	down-regulated gene
AC011510.1	ENSG00000269652	-1.357692168	0.03909561	down-regulated gene
AMPH	ENSG00000078053	-1.357773032	0.000539698	down-regulated gene
SEC22B4P	ENSG00000277406	-1.358236013	0.000138431	down-regulated gene
AC027808.1	ENSG00000259546	-1.358303435	0.000690091	down-regulated gene
PGAP4	ENSG00000165152	-1.358313335	0.000512175	down-regulated gene
KLF15	ENSG00000163884	-1.358497172	0.000620513	down-regulated gene
CPEB1-AS1	ENSG00000259462	-1.358740369	0.003755789	down-regulated gene
ERC1	ENSG00000082805	-1.359228309	2.26717E-13	down-regulated gene
GGTA1P	ENSG00000204136	-1.359815992	0.000272908	down-regulated gene
AC108215.1	ENSG00000280285	-1.359930024	0.002449481	down-regulated gene
PPM1K	ENSG00000163644	-1.360720524	1.31623E-09	down-regulated gene
ENOX1	ENSG00000120658	-1.361093549	0.000122042	down-regulated gene
ARHGEF17	ENSG00000110237	-1.361225176	9.30477E-12	down-regulated gene
PRDM5	ENSG00000138738	-1.361505885	5.19366E-05	down-regulated gene
AC005682.1	ENSG00000226329	-1.362207673	0.000192572	down-regulated gene
AC092902.1	ENSG00000239804	-1.362424903	0.001549641	down-regulated gene
ZDBF2	ENSG00000204186	-1.362446237	0.000360014	down-regulated gene
LRR53	ENSG00000162621	-1.36329649	0.320090866	down-regulated gene

TES	ENSG00000135269	-1.363324809	9.6894E-13	down-regulated gene
COX7A2P1	ENSG00000258626	-1.363388737	3.60454E-05	down-regulated gene
PEBP4	ENSG00000134020	-1.363746172	0.000827376	down-regulated gene
ERRFI1	ENSG00000116285	-1.363794064	5.12486E-07	down-regulated gene
MPP2	ENSG00000108852	-1.364347721	1.31811E-05	down-regulated gene
SPA17P1	ENSG00000236797	-1.364452761	0.006785072	down-regulated gene
AC024132.3	ENSG00000251325	-1.364623457	0.332184307	down-regulated gene
SYDE2	ENSG00000097096	-1.364916879	1.98268E-07	down-regulated gene
AC005077.4	ENSG00000230882	-1.365397821	0.000645432	down-regulated gene
TPD52L1	ENSG00000111907	-1.365983718	2.62288E-05	down-regulated gene
BMPR1AP2	ENSG00000232460	-1.366153347	0.002119504	down-regulated gene
TLCD4	ENSG00000152078	-1.366213949	4.91164E-05	down-regulated gene
ATP2B3	ENSG00000067842	-1.366361133	0.007589031	down-regulated gene
BX322562.1	ENSG00000273796	-1.366636134	8.28068E-05	down-regulated gene
UBE2Q2L	ENSG00000259511	-1.367211612	0.003965228	down-regulated gene
AC022079.2	ENSG00000278733	-1.367450238	3.19417E-07	down-regulated gene
AC061965.2	ENSG00000259299	-1.368338358	0.003836918	down-regulated gene
AC010175.1	ENSG00000256427	-1.368546145	0.003011328	down-regulated gene
TRABD2B	ENSG00000269113	-1.368556445	0.001072187	down-regulated gene
AC068880.4	ENSG00000279858	-1.368831612	0.004558866	down-regulated gene
AC209007.1	ENSG00000215899	-1.369744715	1.08694E-05	down-regulated gene
GOLGA8R	ENSG00000186399	-1.369838585	2.84365E-05	down-regulated gene
MEG8	ENSG00000225746	-1.369859549	0.008688024	down-regulated gene
CBX6	ENSG00000183741	-1.370685278	9.24706E-08	down-regulated gene
LINC00323	ENSG00000226496	-1.371140622	0.000188707	down-regulated gene
EEF1A1P12	ENSG00000214199	-1.371312199	4.74616E-11	down-regulated gene
AL031727.2	ENSG00000235185	-1.371964556	0.003191177	down-regulated gene
MIR5684	ENSG00000263800	-1.372133646	0.03946818	down-regulated gene
LMO1	ENSG00000166407	-1.372145313	0.070196527	down-regulated gene
HNRNPH1P3	ENSG00000248854	-1.372628676	0.005600238	down-regulated gene
AL139393.1	ENSG00000231863	-1.372824651	0.029720823	down-regulated gene
AC245297.2	ENSG00000272755	-1.372963631	0.00089612	down-regulated gene
AC104463.1	ENSG00000225620	-1.373011477	0.075486948	down-regulated gene
ELOBP3	ENSG00000232285	-1.373331504	0.514664053	down-regulated gene
MIR101-1	ENSG00000199135	-1.37350862	0.274506143	down-regulated gene
UNC80	ENSG00000144406	-1.37378814	0.01557185	down-regulated gene
LARGE1	ENSG00000133424	-1.373925193	3.41818E-07	down-regulated gene
AC007362.1	ENSG00000225216	-1.374091768	0.041785893	down-regulated gene
MEF2D	ENSG00000116604	-1.374140662	4.24521E-32	down-regulated gene
AC013403.2	ENSG00000272148	-1.374887279	1.52752E-11	down-regulated gene
AL160191.3	ENSG00000274330	-1.375598379	0.073590734	down-regulated gene
DPF3	ENSG00000205683	-1.375668715	8.09422E-05	down-regulated gene
COL18A1-AS1	ENSG00000183535	-1.37624866	0.050856602	down-regulated gene
AC018618.1	ENSG00000259675	-1.376464683	0.278108549	down-regulated gene
TBL1X	ENSG00000101849	-1.376826932	5.82252E-11	down-regulated gene
AC133485.2	ENSG00000260402	-1.376914664	0.543085105	down-regulated gene
ADHFE1	ENSG00000147576	-1.37875404	0.000110464	down-regulated gene
LMO7DN	ENSG00000178734	-1.379071506	0.009118146	down-regulated gene
Y_RNA	ENSG00000200361	-1.379606504	0.096966329	down-regulated gene

PALM	ENSG00000099864	-1.379811524	0.000492179	down-regulated gene
AL139805.1	ENSG00000237115	-1.379994393	0.057355059	down-regulated gene
CXCR5	ENSG00000160683	-1.380197382	0.023919213	down-regulated gene
SPTBN4	ENSG00000160460	-1.380217374	0.000920341	down-regulated gene
AL442635.1	ENSG00000274008	-1.380739039	0.002800864	down-regulated gene
RPSAP70	ENSG00000250327	-1.380751761	0.000119997	down-regulated gene
BRINP1	ENSG00000078725	-1.380825831	0.031480592	down-regulated gene
LINC02207	ENSG00000258476	-1.381158267	0.001557203	down-regulated gene
IGHV3-33-2	ENSG00000253440	-1.381888041	0.166525571	down-regulated gene
RPL21P67	ENSG00000219776	-1.381895855	0.00143667	down-regulated gene
NDN	ENSG00000182636	-1.382196376	2.49918E-05	down-regulated gene
CTD-3080P12.3	ENSG00000249201	-1.382467734	0.02625527	down-regulated gene
C1orf21	ENSG00000116667	-1.382477248	6.89626E-11	down-regulated gene
COL6A2	ENSG00000142173	-1.382553936	0.000273947	down-regulated gene
AC010608.2	ENSG00000279197	-1.38370721	0.006386974	down-regulated gene
FRY	ENSG00000073910	-1.383769252	8.83247E-06	down-regulated gene
WLS	ENSG00000116729	-1.384378248	3.03246E-07	down-regulated gene
AL158211.1	ENSG00000261671	-1.384811608	0.00021445	down-regulated gene
LINC02104	ENSG00000271334	-1.384951937	0.001931776	down-regulated gene
RNU6-5P	ENSG00000206965	-1.385046119	0.003559287	down-regulated gene
AC009117.2	ENSG00000261285	-1.385089207	0.563053401	down-regulated gene
STK40	ENSG00000196182	-1.385151993	5.1665E-20	down-regulated gene
CXCR4	ENSG00000121966	-1.385306405	1.24963E-05	down-regulated gene
AL050327.1	ENSG00000254620	-1.385402977	0.098966662	down-regulated gene
RAB44	ENSG00000255587	-1.385826064	6.55898E-05	down-regulated gene
AC104619.3	ENSG00000250144	-1.386018593	1.39763E-07	down-regulated gene
AC026780.1	ENSG00000249169	-1.386105958	0.360300567	down-regulated gene
AL137003.1	ENSG00000272341	-1.386297664	3.58304E-07	down-regulated gene
AC008966.2	ENSG00000272123	-1.386387724	2.14654E-08	down-regulated gene
RN7SKP275	ENSG00000201496	-1.386488904	0.344952278	down-regulated gene
GLIPR2	ENSG00000122694	-1.386603441	1.2351E-05	down-regulated gene
PROX1	ENSG00000117707	-1.387159889	0.003769385	down-regulated gene
RTP5	ENSG00000188011	-1.387728718	0.017833421	down-regulated gene
AC156455.1	ENSG00000256546	-1.387911498	0.000965264	down-regulated gene
C10orf143	ENSG00000237489	-1.388050755	6.93597E-10	down-regulated gene
AMD1P1	ENSG00000228339	-1.388251519	0.003639936	down-regulated gene
DENND5A	ENSG00000184014	-1.388269568	5.73732E-16	down-regulated gene
VLDLR	ENSG00000147852	-1.388371061	1.43318E-06	down-regulated gene
CNTNAP1	ENSG00000108797	-1.388933113	4.78585E-08	down-regulated gene
AL355974.1	ENSG00000274331	-1.38907316	0.241941624	down-regulated gene
AL357054.4	ENSG00000272463	-1.389174627	4.55916E-06	down-regulated gene
AC092134.1	ENSG00000261707	-1.389190263	4.56545E-05	down-regulated gene
AC104458.1	ENSG00000272855	-1.389838359	0.037927431	down-regulated gene
KBTBD8	ENSG00000163376	-1.390023169	5.4025E-06	down-regulated gene
PPL	ENSG00000118898	-1.390422614	2.80314E-06	down-regulated gene
AC091825.3	ENSG00000280047	-1.390588064	3.82614E-12	down-regulated gene
RPL23AP32	ENSG00000237887	-1.390642074	0.001459124	down-regulated gene
C1QTNF7-AS1	ENSG00000249252	-1.390644766	0.001123024	down-regulated gene
EEF1A1P26	ENSG00000233167	-1.391221726	0.008800027	down-regulated gene

AL357936.1	ENSG00000229854	-1.391685304	0.399952481	down-regulated gene
TRBV14	ENSG00000275743	-1.391737958	0.01653796	down-regulated gene
CEACAMP3	ENSG00000239736	-1.3920546	0.062510769	down-regulated gene
STX2	ENSG00000111450	-1.392283304	7.63758E-07	down-regulated gene
FGF23	ENSG00000118972	-1.392625398	0.060459142	down-regulated gene
ZNF521	ENSG00000198795	-1.393476304	4.17907E-05	down-regulated gene
SH3RF3	ENSG00000172985	-1.393649688	2.39779E-06	down-regulated gene
MAP3K8	ENSG00000107968	-1.394222567	1.85274E-10	down-regulated gene
SLAMF1	ENSG00000117090	-1.394594206	0.000523117	down-regulated gene
PCDHB18P	ENSG00000146001	-1.395768842	2.49229E-07	down-regulated gene
BEX1	ENSG00000133169	-1.396999554	0.013262886	down-regulated gene
AC069431.1	ENSG00000240063	-1.397003052	0.001426256	down-regulated gene
LINC02752	ENSG00000254401	-1.398336991	0.000341601	down-regulated gene
LINC00607	ENSG00000235770	-1.398947774	0.000604097	down-regulated gene
RPS15AP9	ENSG00000228453	-1.399649836	0.195643725	down-regulated gene
OR5AH1P	ENSG00000268067	-1.400739229	0.314193595	down-regulated gene
IL16	ENSG00000172349	-1.400962756	2.73231E-05	down-regulated gene
ZNF25	ENSG00000175395	-1.401046357	2.71783E-19	down-regulated gene
RORA	ENSG00000069667	-1.401753954	3.89004E-07	down-regulated gene
RPS4XP2	ENSG00000226948	-1.401835973	2.1293E-05	down-regulated gene
GOLGA8Q	ENSG00000178115	-1.402611375	0.009075828	down-regulated gene
INPP5A	ENSG00000068383	-1.402796727	9.55153E-18	down-regulated gene
ENTPD1	ENSG00000138185	-1.404758586	7.59575E-13	down-regulated gene
PDE3B	ENSG00000152270	-1.404776168	2.16234E-05	down-regulated gene
PHACTR1	ENSG00000112137	-1.404967932	6.72682E-06	down-regulated gene
CCL21	ENSG00000137077	-1.405209384	0.023566604	down-regulated gene
LRIG2-DT	ENSG00000238198	-1.405811745	5.8275E-07	down-regulated gene
TGFBR2	ENSG00000163513	-1.406299614	3.296E-10	down-regulated gene
CCDC3	ENSG00000151468	-1.406410492	7.75889E-07	down-regulated gene
PPP1R15A	ENSG00000087074	-1.40656671	4.29564E-11	down-regulated gene
CEBPB-AS1	ENSG00000277449	-1.407060431	1.52214E-09	down-regulated gene
LDLRAD4	ENSG00000168675	-1.407127451	2.95023E-06	down-regulated gene
AL590068.1	ENSG00000228800	-1.409089918	0.014150559	down-regulated gene
EEF1A1P20	ENSG00000249963	-1.409896111	0.142696921	down-regulated gene
GLI2	ENSG00000074047	-1.409973181	0.000671534	down-regulated gene
AC004264.2	ENSG00000279699	-1.41004217	0.000198434	down-regulated gene
CDH17	ENSG00000079112	-1.410355874	0.004012485	down-regulated gene
AC060234.2	ENSG00000233665	-1.410596335	0.002430325	down-regulated gene
NWD1	ENSG00000188039	-1.410644216	0.004192272	down-regulated gene
AC007114.2	ENSG00000263089	-1.410750084	0.000238326	down-regulated gene
DHH	ENSG00000139549	-1.411355944	3.91632E-05	down-regulated gene
PLEKHO1	ENSG00000023902	-1.411492253	1.67707E-07	down-regulated gene
SYNE3	ENSG00000176438	-1.411693349	1.78684E-06	down-regulated gene
TSC22D3	ENSG00000157514	-1.412069499	1.47852E-08	down-regulated gene
AC005274.1	ENSG00000280168	-1.412169592	0.008109327	down-regulated gene
C14orf132	ENSG00000227051	-1.412577819	0.000141267	down-regulated gene
AC092692.1	ENSG00000279349	-1.41258965	0.00251865	down-regulated gene
SLC16A4	ENSG00000168679	-1.412897478	0.000138882	down-regulated gene
TEK	ENSG00000120156	-1.41300306	1.07543E-06	down-regulated gene

AGR3	ENSG00000173467	-1.413686487	0.057048857	down-regulated gene
ZNF454	ENSG00000178187	-1.414120348	0.000347801	down-regulated gene
AP000436.1	ENSG00000270775	-1.414304934	0.0002103	down-regulated gene
LINC02812	ENSG00000230138	-1.414405059	0.015292759	down-regulated gene
IGF1	ENSG00000017427	-1.41456832	0.008518623	down-regulated gene
AC015712.7	ENSG00000278456	-1.414764757	0.000122285	down-regulated gene
ARL5AP3	ENSG00000228431	-1.415012222	0.014443483	down-regulated gene
BMPR1AP1	ENSG00000219642	-1.41524113	0.000178729	down-regulated gene
SPINK13	ENSG00000214510	-1.415655528	0.016341804	down-regulated gene
AC148477.4	ENSG00000277011	-1.415662911	0.125425072	down-regulated gene
CRB1	ENSG00000134376	-1.416156692	0.013347639	down-regulated gene
NTRK3-AS1	ENSG00000260305	-1.416324518	0.455676815	down-regulated gene
UTRN	ENSG00000152818	-1.416501191	1.00539E-08	down-regulated gene
CHST9	ENSG00000154080	-1.416779292	0.113439177	down-regulated gene
AL583785.1	ENSG00000226197	-1.417944127	0.03076448	down-regulated gene
SLC2A12	ENSG00000146411	-1.4184074	0.001897035	down-regulated gene
JUND	ENSG00000130522	-1.419494467	2.03791E-11	down-regulated gene
AC080100.1	ENSG00000279675	-1.420090433	0.014413262	down-regulated gene
PIP4P2	ENSG00000155099	-1.420155779	9.43479E-12	down-regulated gene
LINC01366	ENSG00000235172	-1.420282683	0.000501063	down-regulated gene
ATL1	ENSG00000198513	-1.420442244	8.72985E-10	down-regulated gene
GPR155	ENSG00000163328	-1.420602944	1.4669E-07	down-regulated gene
PYGO1	ENSG00000171016	-1.420619982	5.13243E-05	down-regulated gene
Z99289.1	ENSG00000237234	-1.421010179	0.002135262	down-regulated gene
PPARGC1B	ENSG00000155846	-1.421211952	3.07102E-08	down-regulated gene
AC091979.2	ENSG00000272085	-1.42195147	0.281394733	down-regulated gene
MIR938	ENSG00000216035	-1.422313948	0.279644651	down-regulated gene
GRIN2A	ENSG00000183454	-1.422447791	0.026970714	down-regulated gene
NLGN3	ENSG00000196338	-1.422606571	9.16592E-06	down-regulated gene
RFX2	ENSG00000087903	-1.422848091	1.58612E-13	down-regulated gene
AC084116.1	ENSG00000253220	-1.423365871	0.371901088	down-regulated gene
AC008250.1	ENSG00000257022	-1.423614644	0.223033168	down-regulated gene
COLEC11	ENSG00000118004	-1.423765592	8.33263E-05	down-regulated gene
EEF1A1P42	ENSG00000277043	-1.423793161	0.000929658	down-regulated gene
SOX7	ENSG00000171056	-1.424105418	0.000281913	down-regulated gene
ANKRD35	ENSG00000198483	-1.424420123	5.79702E-05	down-regulated gene
SLC17A7	ENSG00000104888	-1.42450417	0.000226186	down-regulated gene
DIP2C	ENSG00000151240	-1.424760015	8.49933E-14	down-regulated gene
MTND6P4	ENSG00000249119	-1.424833362	0.000389702	down-regulated gene
TGFB3-AS1	ENSG00000258876	-1.425108511	0.002365452	down-regulated gene
AC026150.2	ENSG00000260693	-1.425154735	0.003083687	down-regulated gene
TREH	ENSG00000118094	-1.425704458	0.003288397	down-regulated gene
AC135983.2	ENSG00000215304	-1.426013987	0.015494568	down-regulated gene
AC074043.1	ENSG00000239455	-1.426621697	0.050613447	down-regulated gene
AL590428.1	ENSG00000231652	-1.426811729	0.000770179	down-regulated gene
POU6F1	ENSG00000184271	-1.427786941	6.40507E-11	down-regulated gene
TNFSF12	ENSG00000239697	-1.427825324	2.77104E-10	down-regulated gene
PHYHD1	ENSG00000175287	-1.428590633	0.000325881	down-regulated gene
EPHA5-AS1	ENSG00000250846	-1.428989698	0.156679851	down-regulated gene

AC011379.1	ENSG00000250069	-1.42946889	0.002177431	down-regulated gene
NKD1	ENSG00000140807	-1.430775723	0.000227588	down-regulated gene
RSL24D1P11	ENSG00000231544	-1.430780229	0.004650156	down-regulated gene
IL1RN	ENSG00000136689	-1.43113246	6.05095E-05	down-regulated gene
EPB41L2	ENSG00000079819	-1.431155846	5.91506E-09	down-regulated gene
HIC1	ENSG00000177374	-1.431554765	1.15594E-06	down-regulated gene
SNHG14	ENSG00000224078	-1.431644572	2.10385E-05	down-regulated gene
IPO8P1	ENSG00000224668	-1.432148504	3.07472E-05	down-regulated gene
PRDX3P4	ENSG00000239926	-1.432625292	0.070310684	down-regulated gene
RGCC	ENSG00000102760	-1.432926426	1.83167E-08	down-regulated gene
SGMS2	ENSG00000164023	-1.434097829	8.12818E-08	down-regulated gene
AC012464.1	ENSG00000257283	-1.434612846	4.32353E-06	down-regulated gene
MLXIP	ENSG00000175727	-1.434877691	8.26484E-19	down-regulated gene
LINC00877	ENSG00000241163	-1.435302004	0.000856907	down-regulated gene
NBPF22P	ENSG00000205449	-1.435495535	0.042336015	down-regulated gene
AC015967.1	ENSG00000274400	-1.436527649	0.00335817	down-regulated gene
HADHAP2	ENSG00000255967	-1.43660186	1.47494E-06	down-regulated gene
RPL7L1P9	ENSG00000231035	-1.436664436	0.049672527	down-regulated gene
KRT8P51	ENSG00000223657	-1.436824426	0.000187973	down-regulated gene
PCDHGA5	ENSG00000253485	-1.437033757	3.81162E-07	down-regulated gene
CD22	ENSG00000012124	-1.438105013	0.006645758	down-regulated gene
AC136475.5	ENSG00000255328	-1.43829593	0.000496706	down-regulated gene
KLHL15	ENSG00000174010	-1.43829819	1.26252E-18	down-regulated gene
VIP	ENSG00000146469	-1.438459159	0.000165192	down-regulated gene
AC026124.1	ENSG00000250280	-1.438602617	0.053755401	down-regulated gene
ANKRD55	ENSG00000164512	-1.43861634	0.000791297	down-regulated gene
LY6G6D	ENSG00000244355	-1.438622023	0.142815092	down-regulated gene
SLC5A7	ENSG00000115665	-1.439053795	0.030829841	down-regulated gene
C8orf34	ENSG00000165084	-1.439151232	0.002896575	down-regulated gene
RBKS	ENSG00000171174	-1.439345793	4.66114E-14	down-regulated gene
AC079298.3	ENSG00000280241	-1.43956741	0.007116473	down-regulated gene
MAP6	ENSG00000171533	-1.439578516	7.78443E-05	down-regulated gene
CYP21A2	ENSG00000231852	-1.441185123	0.00196421	down-regulated gene
NFIC	ENSG00000141905	-1.44165407	1.01296E-14	down-regulated gene
IVL	ENSG00000163207	-1.442517379	0.00655186	down-regulated gene
PNMA8B	ENSG00000204851	-1.44275506	4.2534E-06	down-regulated gene
HNRNPA1P9	ENSG00000231956	-1.443066874	0.001583489	down-regulated gene
ABCB4	ENSG00000005471	-1.443750251	8.77417E-09	down-regulated gene
LONRF3	ENSG00000175556	-1.443793278	3.1512E-06	down-regulated gene
H3P4	ENSG00000213244	-1.443976001	0.047984346	down-regulated gene
FAM184A	ENSG00000111879	-1.44404526	2.35233E-05	down-regulated gene
SCN1B	ENSG00000105711	-1.444706943	2.00216E-05	down-regulated gene
U3	ENSG00000212511	-1.444872157	0.678811504	down-regulated gene
LINC02397	ENSG00000205056	-1.444990638	0.026782015	down-regulated gene
SLC35F1	ENSG00000196376	-1.445178313	0.000127239	down-regulated gene
MS4A1	ENSG00000156738	-1.445308646	0.041294501	down-regulated gene
LINC02682	ENSG00000254661	-1.446380745	0.601397499	down-regulated gene
KLF2P2	ENSG00000230646	-1.447050851	0.100315626	down-regulated gene
PRAC2	ENSG00000229637	-1.447320525	0.020703667	down-regulated gene

LINC00882	ENSG00000242759	-1.447701471	9.97679E-06	down-regulated gene
NDUFAF4P3	ENSG00000236411	-1.447787636	6.02237E-05	down-regulated gene
AL391261.4	ENSG00000277651	-1.447836433	0.013211943	down-regulated gene
IGHA1	ENSG00000211895	-1.448107958	0.009061881	down-regulated gene
PTP4A2P2	ENSG00000254481	-1.448368003	2.14441E-07	down-regulated gene
FAM102B	ENSG00000162636	-1.448548976	1.63835E-11	down-regulated gene
LINC02620	ENSG00000225768	-1.449028935	0.310135023	down-regulated gene
CPN1	ENSG00000120054	-1.450145227	0.103760251	down-regulated gene
SERTAD1	ENSG00000197019	-1.450814295	5.90919E-14	down-regulated gene
AL138690.1	ENSG00000261728	-1.451369723	0.041057955	down-regulated gene
ARL14	ENSG00000179674	-1.451590506	0.004735789	down-regulated gene
LINC00114	ENSG00000223806	-1.45238741	0.001199373	down-regulated gene
TGM7	ENSG00000159495	-1.453103468	0.061817793	down-regulated gene
DEFB124	ENSG00000180383	-1.453310395	0.008629479	down-regulated gene
LINC00398	ENSG00000237879	-1.453577881	0.000389419	down-regulated gene
DLG2-AS2	ENSG00000255311	-1.453782506	0.106246612	down-regulated gene
CYYR1	ENSG00000166265	-1.454043098	8.70667E-10	down-regulated gene
AC091965.1	ENSG00000249159	-1.454227461	0.000460733	down-regulated gene
AC096541.1	ENSG00000225028	-1.454511115	0.009798683	down-regulated gene
SYT14P1	ENSG00000215127	-1.45489077	0.159893529	down-regulated gene
AC012349.1	ENSG00000254254	-1.45570583	0.118890912	down-regulated gene
C10orf105	ENSG00000214688	-1.455880033	0.000108882	down-regulated gene
KCTD12	ENSG00000178695	-1.456299744	1.82119E-07	down-regulated gene
MLIP-AS1	ENSG00000235050	-1.457267887	0.125233771	down-regulated gene
AC104306.2	ENSG00000226955	-1.457687169	0.571976277	down-regulated gene
EIF4E3	ENSG00000163412	-1.458379332	1.50189E-12	down-regulated gene
AL357033.4	ENSG00000277496	-1.45911271	1.14908E-05	down-regulated gene
FBXO40	ENSG00000163833	-1.460592292	0.010058439	down-regulated gene
AHCYP2	ENSG00000238181	-1.461186389	0.00024432	down-regulated gene
TGFB3	ENSG00000119699	-1.461489795	1.16681E-05	down-regulated gene
AL157414.1	ENSG00000203266	-1.461565249	0.075730368	down-regulated gene
IGHD2-2	ENSG00000211931	-1.461665454	0.11821805	down-regulated gene
AC016582.3	ENSG00000267640	-1.461726134	0.003676452	down-regulated gene
KBTBD11	ENSG00000176595	-1.462357561	9.27679E-05	down-regulated gene
NWD2	ENSG00000174145	-1.463293983	0.013708057	down-regulated gene
RBM20	ENSG00000203867	-1.463912225	0.002124147	down-regulated gene
AC136475.1	ENSG00000251661	-1.464193842	7.3757E-06	down-regulated gene
GOLGA8K	ENSG00000249931	-1.464420772	0.001194687	down-regulated gene
AL160153.1	ENSG00000276012	-1.46464197	0.013001643	down-regulated gene
HBB	ENSG00000244734	-1.464996626	0.001003905	down-regulated gene
IKZF4	ENSG00000123411	-1.465144467	9.93595E-19	down-regulated gene
VPREB3	ENSG00000128218	-1.465406053	0.005319211	down-regulated gene
AC099550.1	ENSG00000251379	-1.465756924	0.005220735	down-regulated gene
SACS	ENSG00000151835	-1.466010929	1.67833E-05	down-regulated gene
ST8SIA6	ENSG00000148488	-1.466541908	0.003628666	down-regulated gene
ST6GALNAC3	ENSG00000184005	-1.466633371	8.93944E-06	down-regulated gene
FKBP5	ENSG00000096060	-1.467049872	1.06325E-05	down-regulated gene
LINC00654	ENSG00000205181	-1.46756668	2.02846E-05	down-regulated gene
AC097537.1	ENSG00000249106	-1.467801226	0.382281917	down-regulated gene

AC104137.1	ENSG00000248479	-1.468330336	0.384847909	down-regulated gene
GPRASP2	ENSG00000158301	-1.468381219	1.91078E-13	down-regulated gene
CREM	ENSG00000095794	-1.468813073	4.18523E-16	down-regulated gene
RN7SKP75	ENSG00000199940	-1.469474291	0.288359373	down-regulated gene
AL354811.1	ENSG00000278177	-1.469544767	0.004033186	down-regulated gene
LTB	ENSG00000227507	-1.470356459	0.000314641	down-regulated gene
LINC01886	ENSG00000224568	-1.470542418	0.171131399	down-regulated gene
SDHDP1	ENSG00000267162	-1.470724837	0.138994958	down-regulated gene
AC246817.2	ENSG00000254319	-1.470739401	0.003806634	down-regulated gene
DUSP3	ENSG00000108861	-1.471197848	1.18953E-22	down-regulated gene
KLHL4	ENSG00000102271	-1.471962525	0.004076951	down-regulated gene
ARRDC4	ENSG00000140450	-1.472153219	5.63307E-09	down-regulated gene
ST6GALNAC5	ENSG00000117069	-1.472405224	0.000133461	down-regulated gene
DNAJC18	ENSG00000170464	-1.472518373	6.38068E-17	down-regulated gene
AC093523.1	ENSG00000249335	-1.473356759	0.017156862	down-regulated gene
AC009154.2	ENSG00000274478	-1.474367477	0.332813385	down-regulated gene
AC022217.3	ENSG00000253736	-1.474825198	6.25487E-05	down-regulated gene
RNU6-529P	ENSG00000200253	-1.475301418	2.13724E-09	down-regulated gene
OR52N5	ENSG00000181009	-1.47600763	0.217999425	down-regulated gene
ETS2	ENSG00000157557	-1.477604355	1.60066E-10	down-regulated gene
EFEMP1	ENSG00000115380	-1.47771096	0.002783718	down-regulated gene
RPL21P37	ENSG00000229503	-1.47784602	6.44325E-09	down-regulated gene
BAG3	ENSG00000151929	-1.477915666	5.62932E-15	down-regulated gene
NR2F1-AS1	ENSG00000237187	-1.478195496	2.77782E-06	down-regulated gene
F13A1	ENSG00000124491	-1.478812028	0.001867262	down-regulated gene
AC008740.1	ENSG00000257403	-1.479790871	0.000212045	down-regulated gene
FAM13B	ENSG00000031003	-1.480305904	5.05776E-16	down-regulated gene
AC140912.1	ENSG00000261227	-1.481648945	0.082947065	down-regulated gene
AC135782.2	ENSG00000259989	-1.481651919	0.309884336	down-regulated gene
AC110011.1	ENSG00000253628	-1.481902568	0.405081263	down-regulated gene
CAPN14	ENSG00000214711	-1.481949283	0.00082517	down-regulated gene
AC092999.1	ENSG00000279311	-1.482492878	0.000119751	down-regulated gene
CCR4	ENSG00000183813	-1.4826263	0.000452664	down-regulated gene
AL355863.1	ENSG00000213247	-1.483181454	0.272776542	down-regulated gene
SOSTDC1	ENSG00000171243	-1.483415461	0.041648779	down-regulated gene
AP001180.4	ENSG00000264843	-1.48359875	0.209195499	down-regulated gene
AL354754.1	ENSG00000231901	-1.484288117	0.052287677	down-regulated gene
AC004836.1	ENSG00000280439	-1.484323768	0.001343042	down-regulated gene
AC005695.1	ENSG00000262966	-1.484978882	0.007331691	down-regulated gene
AC018445.4	ENSG00000279981	-1.485503292	0.086225135	down-regulated gene
AC073343.1	ENSG00000198580	-1.486387803	2.99911E-06	down-regulated gene
CCL23	ENSG00000274736	-1.48661765	0.002039173	down-regulated gene
CD248	ENSG00000174807	-1.487073344	1.6091E-05	down-regulated gene
ACTN3	ENSG00000248746	-1.487359649	3.81094E-05	down-regulated gene
CLIP4	ENSG00000115295	-1.487995167	3.99318E-08	down-regulated gene
RNF225	ENSG00000269855	-1.488014494	0.001608859	down-regulated gene
FO393419.1	ENSG00000231207	-1.488733797	0.029771353	down-regulated gene
TRPC1	ENSG00000144935	-1.488906225	2.6504E-08	down-regulated gene
AC020634.2	ENSG00000273123	-1.488945483	0.000298292	down-regulated gene

SNTG2-AS1	ENSG00000235688	-1.489100238	0.031769838	down-regulated gene
GCOM1	ENSG00000137878	-1.489119399	6.32652E-05	down-regulated gene
RADIL	ENSG00000157927	-1.489666154	0.000106648	down-regulated gene
RASSF8	ENSG00000123094	-1.489867797	7.08213E-08	down-regulated gene
ZHX3	ENSG00000174306	-1.490029932	3.51768E-21	down-regulated gene
AL132656.4	ENSG00000280355	-1.49028453	2.29897E-07	down-regulated gene
AC093627.4	ENSG00000240859	-1.490465274	0.000125805	down-regulated gene
RCSD1	ENSG00000198771	-1.490659984	1.15574E-05	down-regulated gene
LYPLAL1-AS1	ENSG00000228536	-1.490778264	0.027237757	down-regulated gene
WDR82P2	ENSG00000241318	-1.491116982	0.06293528	down-regulated gene
FAM47E-STBD1	ENSG00000272414	-1.491303203	0.000370552	down-regulated gene
FYN	ENSG00000010810	-1.491627669	1.05834E-08	down-regulated gene
KLHDC1	ENSG00000197776	-1.492608267	5.82131E-12	down-regulated gene
RNU5B-4P	ENSG00000200378	-1.492873114	0.000229078	down-regulated gene
ARHGEF9	ENSG00000131089	-1.493531228	3.43514E-20	down-regulated gene
AL359979.1	ENSG00000226601	-1.493818945	0.143522523	down-regulated gene
CAND2	ENSG00000144712	-1.494352108	5.06263E-05	down-regulated gene
IER3-AS1	ENSG00000272273	-1.495008596	1.1719E-10	down-regulated gene
AC073626.1	ENSG00000224595	-1.49509653	0.357082148	down-regulated gene
AC063944.2	ENSG00000272597	-1.495517026	0.000135252	down-regulated gene
AP001269.2	ENSG00000267079	-1.495560059	0.00154201	down-regulated gene
AL162426.1	ENSG00000279571	-1.495849342	0.001367675	down-regulated gene
CAV1	ENSG00000105974	-1.495924187	0.000136087	down-regulated gene
AC020636.1	ENSG00000243273	-1.497416851	0.176525535	down-regulated gene
AC080188.1	ENSG00000249609	-1.497821043	0.008897595	down-regulated gene
TNFAIP3	ENSG00000118503	-1.49834688	2.54504E-06	down-regulated gene
CX3CL1	ENSG00000006210	-1.498361406	0.000157031	down-regulated gene
DUPD1	ENSG00000188716	-1.49860894	0.06146538	down-regulated gene
AQP3	ENSG00000165272	-1.499682055	0.001799334	down-regulated gene
PBX1	ENSG00000185630	-1.499802213	8.04201E-09	down-regulated gene
LINC02066	ENSG00000241151	-1.500082412	0.281399126	down-regulated gene
AC121334.1	ENSG00000255991	-1.50125485	0.017158171	down-regulated gene
ADAMTS15	ENSG00000166106	-1.501741698	0.000774895	down-regulated gene
AL122035.1	ENSG00000258824	-1.502525426	1.881E-14	down-regulated gene
LINC00689	ENSG00000231419	-1.502658037	0.017564706	down-regulated gene
FAM216B	ENSG00000179813	-1.502666991	0.015080384	down-regulated gene
CCT7P2	ENSG00000249958	-1.502732545	0.168109885	down-regulated gene
LINC02723	ENSG00000231680	-1.502936681	4.14152E-05	down-regulated gene
WDFY3-AS2	ENSG00000180769	-1.503304354	5.05534E-12	down-regulated gene
RAB3C	ENSG00000152932	-1.503444073	0.003792442	down-regulated gene
RN7SKP69	ENSG00000202260	-1.503641326	0.086574095	down-regulated gene
AP000944.1	ENSG00000255478	-1.504044311	0.000173766	down-regulated gene
FBXO30	ENSG00000118496	-1.504755213	5.47673E-22	down-regulated gene
MIR31	ENSG00000199177	-1.5055289	0.068205165	down-regulated gene
STARD8	ENSG00000130052	-1.505947908	2.40931E-08	down-regulated gene
NAMPT	ENSG00000105835	-1.50690218	8.62648E-09	down-regulated gene
AC105265.3	ENSG00000276471	-1.507370624	0.430814847	down-regulated gene
AC013553.3	ENSG00000277351	-1.507530919	4.68325E-05	down-regulated gene
UGCG	ENSG00000148154	-1.507806482	1.03733E-15	down-regulated gene

AC005697.1	ENSG00000266202	-1.507987057	0.154408296	down-regulated gene
SOWAHC	ENSG00000198142	-1.507997159	9.27884E-10	down-regulated gene
BX284668.2	ENSG00000228549	-1.508310291	0.005772389	down-regulated gene
EEF1A1P17	ENSG00000257907	-1.508528852	1.16213E-06	down-regulated gene
ADAMTSL1	ENSG00000178031	-1.50873816	0.000255739	down-regulated gene
LYNX1	ENSG00000180155	-1.509368661	0.000724146	down-regulated gene
SELENOM	ENSG00000198832	-1.509525774	5.0701E-06	down-regulated gene
HID1-AS1	ENSG00000263586	-1.510228908	1.82439E-05	down-regulated gene
RPS3AP16	ENSG00000243894	-1.510270982	0.00240038	down-regulated gene
COL25A1	ENSG00000188517	-1.510436229	0.007767113	down-regulated gene
SLC18A2	ENSG00000165646	-1.510621974	3.432E-05	down-regulated gene
TSPAN7	ENSG00000156298	-1.510650903	0.001510758	down-regulated gene
C16orf96	ENSG00000205832	-1.511174315	8.46548E-05	down-regulated gene
CCDC173	ENSG00000154479	-1.511325746	2.31782E-07	down-regulated gene
ADCY9	ENSG00000162104	-1.51148257	5.85157E-11	down-regulated gene
WARS2-IT1	ENSG00000224238	-1.511788384	0.000796781	down-regulated gene
ECM2	ENSG00000106823	-1.511860461	3.54093E-06	down-regulated gene
AC005730.2	ENSG00000261033	-1.512190177	0.00214728	down-regulated gene
MC5R	ENSG00000176136	-1.513623054	0.033577663	down-regulated gene
AC015909.3	ENSG00000261959	-1.513869004	0.013072272	down-regulated gene
ZBTB47	ENSG00000114853	-1.514135571	5.00451E-20	down-regulated gene
RPS27AP19	ENSG00000269228	-1.514213118	0.000347378	down-regulated gene
AC011444.2	ENSG00000267262	-1.514792471	0.008673297	down-regulated gene
AC079331.2	ENSG00000279917	-1.516320651	8.64701E-06	down-regulated gene
KCNT2	ENSG00000162687	-1.516456466	0.00019515	down-regulated gene
AL158151.3	ENSG00000235007	-1.517421288	0.034873447	down-regulated gene
LINC01927	ENSG00000266312	-1.518007606	0.127959398	down-regulated gene
AL596442.2	ENSG00000273100	-1.518533105	6.36014E-06	down-regulated gene
AL589843.1	ENSG00000224848	-1.518613964	0.00032282	down-regulated gene
EFHC2	ENSG00000183690	-1.519012989	0.000790355	down-regulated gene
HABP4	ENSG00000130956	-1.519483086	6.35871E-13	down-regulated gene
SERPINI2	ENSG00000114204	-1.520826024	0.017720682	down-regulated gene
RNU6-1010P	ENSG00000199627	-1.521520751	0.012830972	down-regulated gene
AL121759.1	ENSG00000228604	-1.521544867	0.009651488	down-regulated gene
CYP46A1	ENSG00000036530	-1.52206031	9.69642E-07	down-regulated gene
IL6STP1	ENSG00000227018	-1.522474861	0.054488555	down-regulated gene
TULP2	ENSG00000104804	-1.52268971	8.87132E-05	down-regulated gene
MSX1	ENSG00000163132	-1.522822372	1.02772E-05	down-regulated gene
BCL2L2	ENSG00000129473	-1.522848545	7.5382E-23	down-regulated gene
ZFP2	ENSG00000198939	-1.523264937	1.81244E-07	down-regulated gene
AC091551.1	ENSG00000267699	-1.523723343	0.000121672	down-regulated gene
AL035634.1	ENSG00000236324	-1.523864316	0.108804311	down-regulated gene
SBF1P2	ENSG00000224904	-1.524214394	0.045959018	down-regulated gene
PGPEP1L	ENSG00000183571	-1.524629489	0.000320834	down-regulated gene
FAR2P2	ENSG00000178162	-1.525485294	0.004893111	down-regulated gene
INTS4P2	ENSG00000273024	-1.52552211	1.24382E-07	down-regulated gene
LSM3P2	ENSG00000257847	-1.525727609	0.095309176	down-regulated gene
DNAJB6P4	ENSG00000228523	-1.525897336	0.116841517	down-regulated gene
DOCK11	ENSG00000147251	-1.525911708	7.76241E-07	down-regulated gene

AOC4P	ENSG00000260105	-1.52592352	0.000902899	down-regulated gene
DIRAS3	ENSG00000162595	-1.52657881	5.85842E-05	down-regulated gene
MN1	ENSG00000169184	-1.527232916	0.000191774	down-regulated gene
RPL23AP80	ENSG00000213035	-1.527940794	0.002516007	down-regulated gene
CTNNA2	ENSG00000066032	-1.528625256	0.049209123	down-regulated gene
NLRP2B	ENSG00000215174	-1.528920739	0.000120124	down-regulated gene
EVC	ENSG00000072840	-1.529413657	2.89952E-06	down-regulated gene
ACTN1	ENSG00000072110	-1.529859287	2.62642E-09	down-regulated gene
LGR6	ENSG00000133067	-1.530197073	0.001943042	down-regulated gene
RPL21P35	ENSG00000231494	-1.530706339	0.001329287	down-regulated gene
AC006441.4	ENSG00000266588	-1.531272051	0.008207347	down-regulated gene
FO393418.1	ENSG00000223695	-1.531392484	1.24842E-09	down-regulated gene
GPR55	ENSG00000135898	-1.531791431	4.68974E-05	down-regulated gene
FCER2	ENSG00000104921	-1.531932164	0.036975405	down-regulated gene
NFKBIZ	ENSG00000144802	-1.532955122	3.8277E-09	down-regulated gene
AL691447.2	ENSG00000232063	-1.533114009	7.09146E-05	down-regulated gene
XIRP1	ENSG00000168334	-1.533924098	0.007106791	down-regulated gene
KCNIP3	ENSG00000115041	-1.537192001	1.87061E-05	down-regulated gene
AL590226.1	ENSG00000228401	-1.537380544	1.77772E-06	down-regulated gene
RDH5	ENSG00000135437	-1.537969865	1.37025E-08	down-regulated gene
MAN2A1-DT	ENSG00000271849	-1.538004959	3.66042E-13	down-regulated gene
LINC01990	ENSG00000273125	-1.538557557	7.09935E-05	down-regulated gene
TMEM88	ENSG00000167874	-1.539185829	2.1375E-09	down-regulated gene
TRPS1	ENSG00000104447	-1.539312794	6.41031E-05	down-regulated gene
ATP8B2	ENSG00000143515	-1.539390264	5.41868E-07	down-regulated gene
MRPL9P1	ENSG00000254305	-1.539414761	0.109574258	down-regulated gene
AL161716.1	ENSG00000271901	-1.539695087	0.342077836	down-regulated gene
PAPOLB	ENSG00000218823	-1.540087612	0.045057674	down-regulated gene
TP73-AS1	ENSG00000227372	-1.540558491	3.99495E-07	down-regulated gene
ANXA1	ENSG00000135046	-1.540871273	3.01417E-05	down-regulated gene
MIR656	ENSG00000207959	-1.540995818	0.413987723	down-regulated gene
AC005901.1	ENSG00000267137	-1.54130361	0.139058866	down-regulated gene
DEFA3	ENSG00000239839	-1.541724488	0.087451719	down-regulated gene
TUBA1A	ENSG00000167552	-1.541822147	1.54201E-06	down-regulated gene
TENT5A	ENSG00000112773	-1.542194369	1.14979E-11	down-regulated gene
REV3L	ENSG00000009413	-1.542928176	2.4074E-14	down-regulated gene
AC007450.1	ENSG00000256237	-1.542998238	0.277958683	down-regulated gene
AC036176.3	ENSG00000269989	-1.543005274	0.007568523	down-regulated gene
FMO2	ENSG00000094963	-1.543030724	0.00112616	down-regulated gene
A2M-AS1	ENSG00000245105	-1.543436288	3.96936E-11	down-regulated gene
RNU1-6P	ENSG00000277344	-1.543521196	0.763154396	down-regulated gene
RGMA	ENSG00000182175	-1.543707211	0.000720853	down-regulated gene
WNT9A	ENSG00000143816	-1.543742083	2.66726E-06	down-regulated gene
AL139383.1	ENSG00000230490	-1.543906004	8.66825E-05	down-regulated gene
AP000915.1	ENSG00000264514	-1.545168926	0.085762329	down-regulated gene
AC109446.3	ENSG00000261448	-1.546351549	0.000441654	down-regulated gene
ARHGAP10	ENSG00000071205	-1.546613004	6.92477E-15	down-regulated gene
C2orf88	ENSG00000187699	-1.546791363	3.86568E-06	down-regulated gene
PNRC1	ENSG00000146278	-1.546792964	9.25642E-18	down-regulated gene

TCEAL1	ENSG00000172465	-1.54744922	5.23488E-17	down-regulated gene
SH3BGRL	ENSG00000131171	-1.548646862	1.73047E-14	down-regulated gene
TRBV27	ENSG00000211752	-1.548867202	0.008403722	down-regulated gene
NFIA-AS2	ENSG00000237928	-1.550093158	0.00258885	down-regulated gene
GNG12-AS1	ENSG00000232284	-1.550790507	1.54289E-07	down-regulated gene
AC005725.1	ENSG00000264727	-1.550979183	0.026005896	down-regulated gene
NCOA4P2	ENSG00000249934	-1.551687207	0.057021518	down-regulated gene
ZNF385D	ENSG00000151789	-1.552111629	0.000867944	down-regulated gene
OPCML	ENSG00000183715	-1.552792902	0.001465786	down-regulated gene
TTC3P1	ENSG00000215105	-1.553230729	4.12939E-07	down-regulated gene
AL355102.5	ENSG00000259036	-1.554705253	0.049049129	down-regulated gene
GLI1	ENSG00000111087	-1.55600449	2.7073E-05	down-regulated gene
IL17RD	ENSG00000144730	-1.556802833	1.10735E-06	down-regulated gene
AC104024.1	ENSG00000230709	-1.556966627	0.002871579	down-regulated gene
PCDH10	ENSG00000138650	-1.558818725	0.00548512	down-regulated gene
PNPLA7	ENSG00000130653	-1.558945534	6.08157E-09	down-regulated gene
FBXO30-DT	ENSG00000235652	-1.560191772	2.10865E-13	down-regulated gene
MPPED2	ENSG00000066382	-1.560452934	0.000455081	down-regulated gene
SSBP2	ENSG00000145687	-1.56051735	1.65559E-11	down-regulated gene
SMR3A	ENSG00000109208	-1.561352599	0.574286858	down-regulated gene
AP003059.1	ENSG00000254731	-1.562044628	5.49748E-06	down-regulated gene
NFIB	ENSG00000147862	-1.56230956	1.41218E-09	down-regulated gene
SGCE	ENSG00000127990	-1.562531793	1.49483E-06	down-regulated gene
AC005592.1	ENSG00000261757	-1.563680898	0.005709181	down-regulated gene
LINC02847	ENSG00000253702	-1.56375706	0.013245028	down-regulated gene
LINC02284	ENSG00000259719	-1.563819326	0.005260551	down-regulated gene
EEF1A1P28	ENSG00000237709	-1.563857846	4.99651E-07	down-regulated gene
TENT5C	ENSG00000183508	-1.564898101	1.14688E-07	down-regulated gene
AC092325.1	ENSG00000259791	-1.565240398	0.110625768	down-regulated gene
ACKR4	ENSG00000129048	-1.565254481	0.000133404	down-regulated gene
AHNAK	ENSG00000124942	-1.565672515	7.04332E-10	down-regulated gene
RAP1A	ENSG00000116473	-1.566172027	1.23911E-38	down-regulated gene
KLHL5	ENSG00000109790	-1.566233969	8.14283E-10	down-regulated gene
RAB30	ENSG00000137502	-1.567037522	4.33969E-12	down-regulated gene
ECSCR	ENSG00000249751	-1.567064115	3.54186E-08	down-regulated gene
GH1	ENSG00000259384	-1.567760927	0.00859702	down-regulated gene
RNU6-968P	ENSG00000206803	-1.567839037	0.224568954	down-regulated gene
MTCO3P5	ENSG00000225476	-1.568563189	0.047640122	down-regulated gene
C4B	ENSG00000224389	-1.568639115	0.000682303	down-regulated gene
ZNF106	ENSG00000103994	-1.568655152	4.86993E-22	down-regulated gene
MALL	ENSG00000144063	-1.56869854	0.000322698	down-regulated gene
AL359399.1	ENSG00000258748	-1.568938559	0.03055843	down-regulated gene
LINC00494	ENSG00000235621	-1.569088852	0.013353827	down-regulated gene
LURAP1	ENSG00000171357	-1.56959621	1.49657E-07	down-regulated gene
KIAA2012-AS1	ENSG00000222035	-1.570680253	0.0003276	down-regulated gene
AC122718.1	ENSG00000250461	-1.570777595	0.000282265	down-regulated gene
IGDCC4	ENSG00000103742	-1.5708211	1.16038E-06	down-regulated gene
AL109741.1	ENSG00000225938	-1.571022488	1.61711E-06	down-regulated gene
LINC00989	ENSG00000250334	-1.571963387	0.000690301	down-regulated gene

AC092691.1	ENSG00000239268	-1.572237661	0.171088477	down-regulated gene
AC005165.2	ENSG00000239622	-1.572545749	0.000486382	down-regulated gene
OR52N4	ENSG00000181074	-1.574073226	0.005288773	down-regulated gene
AC015712.2	ENSG00000259583	-1.574699435	6.32264E-10	down-regulated gene
LINC01844	ENSG00000236714	-1.57496566	0.003183282	down-regulated gene
LINC02762	ENSG00000250303	-1.5750086	2.15489E-05	down-regulated gene
C11orf91	ENSG00000205177	-1.57508418	3.77668E-06	down-regulated gene
CYP21A1P	ENSG00000204338	-1.575222543	0.000362144	down-regulated gene
SLC26A3	ENSG00000091138	-1.575651606	0.000337269	down-regulated gene
AC025431.1	ENSG00000259285	-1.575915995	0.093420556	down-regulated gene
AC112250.2	ENSG00000272856	-1.57639336	0.004010255	down-regulated gene
CYP1B1	ENSG00000138061	-1.576419794	0.001834756	down-regulated gene
LINC00535	ENSG00000246662	-1.577233974	1.9213E-05	down-regulated gene
FRMD3	ENSG00000172159	-1.577453338	1.11598E-06	down-regulated gene
PKD1	ENSG00000008710	-1.577530028	1.30789E-22	down-regulated gene
SPHKAP	ENSG00000153820	-1.577566643	0.144985825	down-regulated gene
PKNOX2	ENSG00000165495	-1.578654089	0.000335585	down-regulated gene
IL33	ENSG00000137033	-1.579899244	0.001320245	down-regulated gene
USP12	ENSG00000152484	-1.580778931	2.34436E-28	down-regulated gene
SULT1C4	ENSG00000198075	-1.581029283	8.16687E-05	down-regulated gene
AP001347.1	ENSG00000224905	-1.581302566	6.42092E-07	down-regulated gene
AL133467.1	ENSG00000258572	-1.581629197	0.002074245	down-regulated gene
LSM1P1	ENSG00000233551	-1.582199815	0.615105572	down-regulated gene
PHLDA1	ENSG00000139289	-1.582914871	2.84622E-07	down-regulated gene
RN7SKP127	ENSG00000222375	-1.583350026	0.028268445	down-regulated gene
GLIPR1L2	ENSG00000180481	-1.583465752	3.11457E-09	down-regulated gene
RPS6KA5	ENSG00000100784	-1.583665959	7.08429E-12	down-regulated gene
AL445363.1	ENSG00000259002	-1.584012384	8.92246E-05	down-regulated gene
AF111167.2	ENSG00000259319	-1.584120525	1.10964E-08	down-regulated gene
MRPS36P4	ENSG00000255231	-1.584465409	0.026852309	down-regulated gene
AC068254.2	ENSG00000279221	-1.585003819	0.05625141	down-regulated gene
CDKN1A	ENSG00000124762	-1.585206293	2.04202E-10	down-regulated gene
ANKRD53	ENSG00000144031	-1.585582994	2.45827E-08	down-regulated gene
KCNIP1	ENSG00000182132	-1.586082463	0.006663788	down-regulated gene
AC138969.2	ENSG00000227827	-1.586535168	0.001962156	down-regulated gene
TSPOAP1-AS1	ENSG00000265148	-1.587863014	1.27373E-07	down-regulated gene
ANGPTL2	ENSG00000136859	-1.587905865	1.61402E-06	down-regulated gene
AC079193.2	ENSG00000249258	-1.590147956	0.002122542	down-regulated gene
AL928654.3	ENSG00000257341	-1.590303947	0.000758354	down-regulated gene
FLT3	ENSG00000122025	-1.590371636	9.17357E-05	down-regulated gene
KLHL42	ENSG00000087448	-1.590749078	2.01741E-23	down-regulated gene
OR1E1	ENSG00000180016	-1.5908326	0.283515185	down-regulated gene
TDRD10	ENSG00000163239	-1.591327721	6.42517E-06	down-regulated gene
CABP1	ENSG00000157782	-1.591571178	2.65058E-05	down-regulated gene
PCDH11Y	ENSG00000099715	-1.592257618	0.047370923	down-regulated gene
LINC02422	ENSG00000255760	-1.593318178	0.007417	down-regulated gene
LINC02091	ENSG00000273172	-1.593354205	0.0008479	down-regulated gene
LINC01266	ENSG00000224957	-1.595497804	0.009069885	down-regulated gene
LINC02613	ENSG00000231367	-1.595734343	6.84846E-06	down-regulated gene

FCN1	ENSG00000085265	-1.596438775	0.000215799	down-regulated gene
XXYLT1-AS2	ENSG00000230266	-1.59660296	0.00044877	down-regulated gene
ODC1	ENSG00000115758	-1.597159818	1.07467E-08	down-regulated gene
PER3	ENSG00000049246	-1.597263181	8.28688E-10	down-regulated gene
AC008013.2	ENSG00000256984	-1.59741584	0.001971841	down-regulated gene
AC129507.1	ENSG00000262061	-1.597441505	0.00016736	down-regulated gene
CCND2P1	ENSG00000256847	-1.597760549	0.220334697	down-regulated gene
NFATC2	ENSG00000101096	-1.598086053	2.34612E-08	down-regulated gene
CYP4F24P	ENSG00000267594	-1.599110814	0.006766566	down-regulated gene
NFATC1	ENSG00000131196	-1.599254324	2.54446E-07	down-regulated gene
AL117336.1	ENSG00000269952	-1.599653203	6.3689E-12	down-regulated gene
AP003121.1	ENSG00000272642	-1.600162524	0.717390289	down-regulated gene
H2BP1	ENSG00000223345	-1.600567267	0.005687184	down-regulated gene
NTM-AS1	ENSG00000224795	-1.60057172	0.61244013	down-regulated gene
CPQ	ENSG00000104324	-1.600674759	1.34591E-09	down-regulated gene
GULOP	ENSG00000234770	-1.600719019	0.014985119	down-regulated gene
CD81-AS1	ENSG00000238184	-1.600848906	3.78822E-08	down-regulated gene
AL590648.2	ENSG00000235862	-1.601084115	0.225359181	down-regulated gene
MAPRE2	ENSG00000166974	-1.60117714	1.29309E-10	down-regulated gene
DNAH9	ENSG00000007174	-1.601389714	0.000386543	down-regulated gene
PLAAT5	ENSG00000168004	-1.601914015	0.009257167	down-regulated gene
SNX18P9	ENSG00000224185	-1.602222721	0.074573733	down-regulated gene
APOBEC2	ENSG00000124701	-1.602341468	0.000799464	down-regulated gene
EFCC1	ENSG00000114654	-1.602835827	3.98339E-07	down-regulated gene
PHKG1	ENSG00000164776	-1.603292792	1.82686E-10	down-regulated gene
ZCWPW2	ENSG00000206559	-1.603695515	2.76811E-18	down-regulated gene
AC009806.1	ENSG00000254847	-1.603790014	8.8661E-07	down-regulated gene
BCLAF1P1	ENSG00000248966	-1.60476914	8.87103E-06	down-regulated gene
LINC02520	ENSG00000204110	-1.604965313	0.021943315	down-regulated gene
MT-TE	ENSG00000210194	-1.605128916	0.001199135	down-regulated gene
PPIC-AS1	ENSG00000249996	-1.60550307	1.61452E-09	down-regulated gene
AC145098.2	ENSG00000279821	-1.605817388	4.38675E-07	down-regulated gene
IL6R-AS1	ENSG00000228013	-1.606175921	3.31234E-06	down-regulated gene
AL137025.1	ENSG00000228484	-1.606304363	0.049285213	down-regulated gene
NEURL1B	ENSG00000214357	-1.607021137	8.99432E-10	down-regulated gene
PNMA1	ENSG00000176903	-1.610329927	4.31392E-11	down-regulated gene
SLC22A3	ENSG00000146477	-1.610667036	0.001014881	down-regulated gene
AL355102.2	ENSG00000258691	-1.610765264	0.001930263	down-regulated gene
GALNTL6	ENSG00000174473	-1.611899919	0.000259615	down-regulated gene
PTCH1	ENSG00000185920	-1.612405506	5.11087E-13	down-regulated gene
RND3	ENSG00000115963	-1.613139449	1.50031E-10	down-regulated gene
KLF6	ENSG00000067082	-1.613795025	1.77575E-14	down-regulated gene
CXCR1	ENSG00000163464	-1.61403489	0.00454427	down-regulated gene
GPR146	ENSG00000164849	-1.614163951	4.78626E-12	down-regulated gene
DLC1	ENSG00000164741	-1.614375759	2.8938E-09	down-regulated gene
SH3D19	ENSG00000109686	-1.61451567	1.99616E-20	down-regulated gene
SIK1	ENSG00000142178	-1.615304845	0.003184776	down-regulated gene
CD40LG	ENSG00000102245	-1.616553815	0.000136178	down-regulated gene
AC011912.1	ENSG00000279145	-1.616702976	2.06729E-07	down-regulated gene

SYT4	ENSG00000132872	-1.61677416	0.107689808	down-regulated gene
GPR183	ENSG00000169508	-1.617187617	6.80949E-06	down-regulated gene
MRAS	ENSG00000158186	-1.617413139	1.38842E-09	down-regulated gene
OR13J1	ENSG00000168828	-1.617614223	0.007066209	down-regulated gene
TRAJ39	ENSG00000211850	-1.618229919	0.102187921	down-regulated gene
PCDHGA12	ENSG00000253159	-1.618315816	1.0651E-06	down-regulated gene
BCL2	ENSG00000171791	-1.618404264	6.64784E-10	down-regulated gene
TMEM119	ENSG00000183160	-1.618643436	1.4765E-05	down-regulated gene
HIPK3	ENSG00000110422	-1.618955067	4.30289E-21	down-regulated gene
LPAR1	ENSG00000198121	-1.619240033	1.73915E-09	down-regulated gene
AC020907.2	ENSG00000221857	-1.619310907	0.186302791	down-regulated gene
AC026691.1	ENSG00000270021	-1.620026225	5.5981E-15	down-regulated gene
PITX1	ENSG00000069011	-1.620530174	1.32555E-05	down-regulated gene
AC037198.2	ENSG00000278621	-1.620566837	0.000304275	down-regulated gene
CERS3-AS1	ENSG00000259430	-1.620657424	0.002632001	down-regulated gene
LINC01165	ENSG00000229081	-1.621472544	0.001894591	down-regulated gene
AC124312.3	ENSG00000261069	-1.62168514	0.002575018	down-regulated gene
AC011477.3	ENSG00000267581	-1.6227113	2.01373E-06	down-regulated gene
AC100823.1	ENSG00000237061	-1.622831876	0.037144491	down-regulated gene
SLC14A2-AS1	ENSG00000267097	-1.623700642	0.005441228	down-regulated gene
OR7E101P	ENSG00000227019	-1.623847627	0.165908044	down-regulated gene
LINC01641	ENSG00000234277	-1.62426839	0.000737005	down-regulated gene
RPL12P30	ENSG00000242353	-1.624313155	0.005796878	down-regulated gene
AREG	ENSG00000109321	-1.624535473	0.001935196	down-regulated gene
LRRC70	ENSG00000186105	-1.62479711	7.28293E-10	down-regulated gene
LINC02182	ENSG00000260420	-1.624972594	0.002282381	down-regulated gene
SALL1	ENSG00000103449	-1.62593513	0.000409006	down-regulated gene
PARP11-AS1	ENSG00000256862	-1.626997408	0.000651225	down-regulated gene
AC026585.1	ENSG00000278532	-1.627308245	0.077945914	down-regulated gene
AL022334.2	ENSG00000273044	-1.627314481	0.036908266	down-regulated gene
PNMA2	ENSG00000240694	-1.627584704	0.000114222	down-regulated gene
LDB2	ENSG00000169744	-1.628311537	2.30458E-10	down-regulated gene
NFATC4	ENSG00000100968	-1.628659426	4.89638E-10	down-regulated gene
AL499627.2	ENSG00000272050	-1.628816305	0.17476549	down-regulated gene
LHFPL6	ENSG00000183722	-1.629665361	2.44745E-09	down-regulated gene
SNORD116-24	ENSG00000207279	-1.629669446	0.007391808	down-regulated gene
AL133384.2	ENSG00000279796	-1.630478363	0.034088249	down-regulated gene
AC126564.1	ENSG00000280217	-1.630804914	0.005876811	down-regulated gene
C3	ENSG00000125730	-1.631560971	0.000163999	down-regulated gene
OR7E89P	ENSG00000243792	-1.631580336	0.134981164	down-regulated gene
Z97989.1	ENSG00000255389	-1.631617339	2.93834E-10	down-regulated gene
AC005868.1	ENSG00000256125	-1.632440876	0.509729591	down-regulated gene
AC104117.3	ENSG00000254035	-1.63333475	0.000113834	down-regulated gene
H1-9P	ENSG00000188662	-1.633346472	0.001384082	down-regulated gene
CCIN	ENSG00000185972	-1.634219799	0.000270968	down-regulated gene
FOXI2	ENSG00000186766	-1.634365484	0.022380977	down-regulated gene
DPYSL2	ENSG00000092964	-1.63554424	1.0895E-09	down-regulated gene
MRPL35P2	ENSG00000232075	-1.636542746	5.56057E-07	down-regulated gene
BEND3P3	ENSG00000278616	-1.637387277	9.62009E-07	down-regulated gene

AC004803.1	ENSG00000250132	-1.63780375	2.16252E-15	down-regulated gene
AL392023.1	ENSG00000258649	-1.637925543	0.150348988	down-regulated gene
FAM85B	ENSG00000253893	-1.639689789	8.14069E-06	down-regulated gene
CCR6	ENSG00000112486	-1.640487501	0.001102413	down-regulated gene
AP001486.2	ENSG00000260966	-1.640577917	2.45988E-11	down-regulated gene
ASB4	ENSG00000005981	-1.640617134	0.006495193	down-regulated gene
LINC02149	ENSG00000249332	-1.641358133	0.529481248	down-regulated gene
Y_RNA	ENSG00000207039	-1.641445611	0.120261759	down-regulated gene
B3GNL1P1	ENSG00000251237	-1.641567544	0.07938701	down-regulated gene
HS3ST1	ENSG00000002587	-1.642657353	2.36486E-07	down-regulated gene
SMAD9-IT1	ENSG00000236711	-1.642996306	0.002406389	down-regulated gene
PRDM1	ENSG00000057657	-1.64301638	1.74876E-08	down-regulated gene
LINC02031	ENSG00000238837	-1.643575459	0.012516425	down-regulated gene
PRPF38AP2	ENSG00000236582	-1.644851827	0.006595429	down-regulated gene
NCKAP1L	ENSG00000123338	-1.644972753	2.69021E-05	down-regulated gene
SPATA22	ENSG00000141255	-1.645238399	0.021439507	down-regulated gene
JAKMIP3	ENSG00000188385	-1.645584908	0.000485746	down-regulated gene
ADIPOQ	ENSG00000181092	-1.646551408	0.180891265	down-regulated gene
CCR12P	ENSG00000238241	-1.646716131	0.086801682	down-regulated gene
LINC00683	ENSG00000266256	-1.646809706	0.000654462	down-regulated gene
MAS1	ENSG00000130368	-1.647021363	0.007629142	down-regulated gene
TACC1	ENSG00000147526	-1.647242293	2.58175E-09	down-regulated gene
AC116609.1	ENSG00000223751	-1.647915467	0.095579459	down-regulated gene
FAM155A	ENSG00000204442	-1.64824712	3.22917E-05	down-regulated gene
SFRP2	ENSG00000145423	-1.648477202	0.007004609	down-regulated gene
NTN1	ENSG00000065320	-1.648842272	0.000171288	down-regulated gene
AL109804.1	ENSG00000274949	-1.650002335	2.85529E-05	down-regulated gene
NACAD	ENSG00000136274	-1.650299494	3.42519E-06	down-regulated gene
HRC	ENSG00000130528	-1.65139088	5.70083E-07	down-regulated gene
ACTBP11	ENSG00000188460	-1.653108749	4.58489E-09	down-regulated gene
TSSK5P	ENSG00000227473	-1.653423612	7.47958E-08	down-regulated gene
LIF	ENSG00000128342	-1.654928237	9.97005E-06	down-regulated gene
DLEC1P1	ENSG00000230123	-1.655186956	0.458718554	down-regulated gene
LINC01841	ENSG00000266913	-1.655544323	1.30118E-05	down-regulated gene
AL355355.2	ENSG00000234175	-1.655569804	9.94059E-11	down-regulated gene
ZNF835	ENSG00000127903	-1.65611869	0.000137296	down-regulated gene
TCL1A	ENSG00000100721	-1.656462802	0.019527954	down-regulated gene
SETBP1-DT	ENSG00000267414	-1.65712368	5.66725E-07	down-regulated gene
CEP126	ENSG00000110318	-1.657152931	1.69827E-09	down-regulated gene
MYCT1	ENSG00000120279	-1.658518599	1.97302E-10	down-regulated gene
CTD-2350J17.1	ENSG00000250250	-1.658541862	0.452684285	down-regulated gene
LINC02708	ENSG00000227306	-1.658592726	0.376477731	down-regulated gene
SGK1	ENSG00000118515	-1.658949174	7.88378E-07	down-regulated gene
KRT222	ENSG00000213424	-1.659108068	0.000323099	down-regulated gene
CDC42BPA	ENSG00000143776	-1.659341963	4.7605E-17	down-regulated gene
TNNI3K	ENSG00000116783	-1.659833178	7.34947E-05	down-regulated gene
CD302	ENSG00000241399	-1.659857276	2.1162E-12	down-regulated gene
C3orf18	ENSG00000088543	-1.660293823	3.83367E-13	down-regulated gene
RN7SL209P	ENSG00000240927	-1.66158182	0.246402637	down-regulated gene

DUSP4	ENSG00000120875	-1.661944298	1.92717E-07	down-regulated gene
AC234772.2	ENSG00000269902	-1.662240872	0.004420428	down-regulated gene
LAMA4	ENSG00000112769	-1.662720067	3.6117E-09	down-regulated gene
LINC02447	ENSG00000245468	-1.662872136	6.01696E-08	down-regulated gene
OR7E94P	ENSG00000249646	-1.664451353	0.005407727	down-regulated gene
MED28P8	ENSG00000242598	-1.665315131	0.390830726	down-regulated gene
LINC02691	ENSG00000258913	-1.666139538	0.003693703	down-regulated gene
OTOGL	ENSG00000165899	-1.66735566	4.28466E-06	down-regulated gene
MAGOH2P	ENSG00000264176	-1.667989916	2.40761E-09	down-regulated gene
TSPYL2	ENSG00000184205	-1.668331592	5.82722E-19	down-regulated gene
PPFIA2	ENSG00000139220	-1.66856479	0.000229843	down-regulated gene
KC877392.1	ENSG00000255260	-1.668716692	0.003991641	down-regulated gene
CD1C	ENSG00000158481	-1.66902959	2.47302E-05	down-regulated gene
CLIC4P1	ENSG00000236739	-1.669069045	0.006140745	down-regulated gene
THRSP	ENSG00000151365	-1.670391784	0.018926439	down-regulated gene
TNXA	ENSG00000248290	-1.670573268	0.000476019	down-regulated gene
AL606748.1	ENSG00000226679	-1.670841812	0.003231303	down-regulated gene
RPLP1P13	ENSG00000232163	-1.671906458	0.001004539	down-regulated gene
HAR1A	ENSG00000225978	-1.673430601	3.42228E-06	down-regulated gene
AC116456.2	ENSG00000279391	-1.673435091	0.197267983	down-regulated gene
AL355103.1	ENSG00000258803	-1.674283485	0.099991045	down-regulated gene
MTND6P22	ENSG00000270230	-1.674361019	0.000295525	down-regulated gene
AC093890.1	ENSG00000249741	-1.674733772	2.04874E-05	down-regulated gene
TSC22D1	ENSG00000102804	-1.67635961	8.12053E-17	down-regulated gene
CAMTA1-AS1	ENSG00000225126	-1.677848648	0.002955987	down-regulated gene
AC027307.3	ENSG00000268798	-1.678470563	3.17495E-11	down-regulated gene
IL22	ENSG00000127318	-1.678641393	0.057483958	down-regulated gene
AC136628.3	ENSG00000253520	-1.679236808	1.30899E-07	down-regulated gene
ADAMTS16	ENSG00000145536	-1.679712976	0.000660875	down-regulated gene
LINC02237	ENSG00000253434	-1.679723158	0.203889807	down-regulated gene
CNKSRR3	ENSG00000153721	-1.679853058	1.94973E-10	down-regulated gene
DACH1	ENSG00000276644	-1.683590339	6.35884E-05	down-regulated gene
CLCA4-AS1	ENSG00000236915	-1.683897771	0.000670631	down-regulated gene
ABL1	ENSG00000097007	-1.68502211	7.94087E-31	down-regulated gene
FBN1	ENSG00000166147	-1.686198869	7.25612E-06	down-regulated gene
AL590113.1	ENSG00000223254	-1.686877803	1.3339E-10	down-regulated gene
NPTX1	ENSG00000171246	-1.6869319	0.001258675	down-regulated gene
KCNAB1	ENSG00000169282	-1.687238484	6.07655E-14	down-regulated gene
CEND1	ENSG00000184524	-1.687785983	0.000127802	down-regulated gene
AC112487.1	ENSG00000239482	-1.688935683	0.000267736	down-regulated gene
OPTC	ENSG00000188770	-1.689048272	0.009614398	down-regulated gene
MIR486-1	ENSG00000274705	-1.689242991	0.120750197	down-regulated gene
AC124276.2	ENSG00000255400	-1.689360691	0.004135107	down-regulated gene
GPC6	ENSG00000183098	-1.689806213	9.70913E-05	down-regulated gene
LINC02347	ENSG00000214043	-1.691225194	0.049307957	down-regulated gene
KLHL38	ENSG00000175946	-1.692198814	0.000255272	down-regulated gene
FAM162B	ENSG00000183807	-1.692238594	2.80315E-08	down-regulated gene
LINC00327	ENSG00000232977	-1.692261845	0.000354463	down-regulated gene
NAP1L5	ENSG00000177432	-1.692494774	5.24024E-14	down-regulated gene

RPL7P60	ENSG00000214142	-1.692545164	0.000191594	down-regulated gene
AL357033.3	ENSG00000276317	-1.692804407	3.11755E-06	down-regulated gene
LRRTM4	ENSG00000176204	-1.693459552	0.008148745	down-regulated gene
TMC2	ENSG00000149488	-1.693849507	8.35916E-06	down-regulated gene
FFAR3	ENSG00000185897	-1.694246376	0.001208647	down-regulated gene
GOT1L1	ENSG00000169154	-1.6946258	0.018355443	down-regulated gene
CRTAC1	ENSG00000095713	-1.695132946	0.022057846	down-regulated gene
PLIN1	ENSG00000166819	-1.695158622	0.00149725	down-regulated gene
MT1M	ENSG00000205364	-1.69523761	0.001348226	down-regulated gene
RRG-IT1	ENSG00000256650	-1.695395249	0.020365421	down-regulated gene
C6	ENSG00000039537	-1.695594749	0.008111424	down-regulated gene
AC008808.2	ENSG00000250360	-1.695661607	0.054063586	down-regulated gene
ABLIM1	ENSG00000099204	-1.695889681	2.24325E-13	down-regulated gene
AL391822.1	ENSG00000229657	-1.695973633	0.000995843	down-regulated gene
AL161781.2	ENSG00000250850	-1.696431892	0.097302704	down-regulated gene
ATP5MC1P5	ENSG00000227590	-1.696941247	0.014790382	down-regulated gene
FREM1	ENSG00000164946	-1.697020216	0.00016445	down-regulated gene
AL031595.2	ENSG00000280011	-1.697025067	2.20802E-06	down-regulated gene
KIF18BP1	ENSG00000260746	-1.698061345	0.088040058	down-regulated gene
AC010230.1	ENSG00000246316	-1.698862703	0.432703819	down-regulated gene
LDLR	ENSG00000130164	-1.699387052	1.57378E-08	down-regulated gene
SMAD9	ENSG00000120693	-1.699511755	5.89777E-07	down-regulated gene
DIO3OS	ENSG00000258498	-1.699817764	0.000518999	down-regulated gene
PEG3	ENSG00000198300	-1.700165878	0.002247107	down-regulated gene
EPHX2	ENSG00000120915	-1.701301551	2.91317E-07	down-regulated gene
RPL21P133	ENSG00000236509	-1.702408382	0.008633461	down-regulated gene
MPL	ENSG00000117400	-1.70354777	1.26144E-12	down-regulated gene
FOXN3	ENSG00000053254	-1.704524369	3.19665E-24	down-regulated gene
AC004947.2	ENSG00000280255	-1.704858501	0.000568693	down-regulated gene
OXCT1-AS1	ENSG00000248668	-1.704908538	2.94675E-05	down-regulated gene
MYC	ENSG00000136997	-1.705055203	1.59246E-07	down-regulated gene
OR6F1	ENSG00000169214	-1.705125178	0.486510872	down-regulated gene
KIAA0513	ENSG00000135709	-1.706935546	1.53732E-12	down-regulated gene
AC122713.2	ENSG00000278965	-1.707333088	0.000108664	down-regulated gene
LATS2	ENSG00000150457	-1.70771492	2.14239E-16	down-regulated gene
RIMS1	ENSG00000079841	-1.707967238	0.005934767	down-regulated gene
RNU6ATAC38P	ENSG00000221046	-1.708538568	0.155287456	down-regulated gene
SLC2A3	ENSG00000059804	-1.708816628	3.1946E-06	down-regulated gene
THCAT158	ENSG00000263293	-1.70901764	9.22426E-08	down-regulated gene
AC025279.1	ENSG00000198106	-1.709304782	9.4417E-05	down-regulated gene
AC010136.1	ENSG00000223923	-1.709853369	0.000366564	down-regulated gene
AC004691.2	ENSG00000250424	-1.711086503	4.64492E-06	down-regulated gene
PRXL2AP2	ENSG00000254213	-1.711647838	6.5528E-05	down-regulated gene
PTCH2	ENSG00000117425	-1.711978649	4.50175E-11	down-regulated gene
SPATA31A7	ENSG00000276040	-1.712083976	0.535348458	down-regulated gene
AC048382.5	ENSG00000275120	-1.712561518	4.80006E-14	down-regulated gene
RN7SL784P	ENSG00000264113	-1.712722464	0.00188776	down-regulated gene
MIR8071-2	ENSG00000277030	-1.713461426	0.023213931	down-regulated gene
THRA	ENSG00000126351	-1.713911006	4.45122E-17	down-regulated gene

C4A	ENSG00000244731	-1.714003186	0.000143435	down-regulated gene
BLK	ENSG00000136573	-1.714462023	0.010312903	down-regulated gene
ZDHHC15	ENSG00000102383	-1.714643859	0.000121174	down-regulated gene
AC105384.1	ENSG00000249706	-1.714710215	1.57849E-05	down-regulated gene
RPS6KA2	ENSG00000071242	-1.714891464	4.82924E-14	down-regulated gene
MAT2A	ENSG00000168906	-1.715290917	2.25607E-30	down-regulated gene
CRY2	ENSG00000121671	-1.715367361	6.69784E-36	down-regulated gene
C5orf52	ENSG00000187658	-1.715943575	0.0036555	down-regulated gene
AC067750.1	ENSG00000272631	-1.716726946	2.58551E-16	down-regulated gene
TSPAN11	ENSG00000110900	-1.716745042	8.62934E-07	down-regulated gene
AC016813.2	ENSG00000254321	-1.717401951	0.090150545	down-regulated gene
LSMEM2	ENSG00000179564	-1.717626329	1.2146E-05	down-regulated gene
STXBP5L	ENSG00000145087	-1.717942965	0.006022796	down-regulated gene
AL353804.1	ENSG00000228906	-1.717967029	4.09322E-10	down-regulated gene
LINC02135	ENSG00000268532	-1.718475836	0.01649887	down-regulated gene
SH3GL3	ENSG00000140600	-1.718653484	0.013451307	down-regulated gene
AVPR2	ENSG00000126895	-1.719341854	2.02351E-06	down-regulated gene
AL096711.2	ENSG00000255330	-1.720200286	2.89616E-06	down-regulated gene
AL353593.1	ENSG00000269934	-1.720567505	3.93655E-06	down-regulated gene
QRFP	ENSG00000188710	-1.721493896	6.36519E-12	down-regulated gene
AL031659.1	ENSG00000236159	-1.722241162	0.00407069	down-regulated gene
PRKAG2	ENSG00000106617	-1.723491684	3.72311E-22	down-regulated gene
AL365181.1	ENSG00000260460	-1.72367777	0.007241719	down-regulated gene
IL6ST	ENSG00000134352	-1.723943249	3.96214E-14	down-regulated gene
AC114801.2	ENSG00000248926	-1.724233896	0.058507724	down-regulated gene
CYP2B7P	ENSG00000256612	-1.724457803	0.003249513	down-regulated gene
AC009166.2	ENSG00000280344	-1.724824706	0.050105656	down-regulated gene
FAM30A	ENSG00000226777	-1.725266625	0.00191069	down-regulated gene
KIAA1614	ENSG00000135835	-1.726847728	1.53581E-14	down-regulated gene
NT5C1A	ENSG00000116981	-1.727409161	0.008198053	down-regulated gene
AC025280.2	ENSG00000279622	-1.727897826	0.000276331	down-regulated gene
NPR2	ENSG00000159899	-1.72821698	5.57591E-14	down-regulated gene
EFR3B	ENSG00000084710	-1.728261379	8.45246E-07	down-regulated gene
AC092535.4	ENSG00000251652	-1.728308485	0.097702441	down-regulated gene
EEF1A1P34	ENSG00000233324	-1.729818247	4.5931E-05	down-regulated gene
AC099811.5	ENSG00000278829	-1.729865418	0.002096126	down-regulated gene
SGCB	ENSG00000163069	-1.730507769	2.81919E-15	down-regulated gene
AC008269.1	ENSG00000229321	-1.731010655	0.004543798	down-regulated gene
GABRA2	ENSG00000151834	-1.731367204	0.021112132	down-regulated gene
AC021678.2	ENSG00000253690	-1.731937365	0.023269496	down-regulated gene
AL138995.1	ENSG00000277763	-1.732190423	9.39929E-09	down-regulated gene
KCNMA1-AS1	ENSG00000236467	-1.732328941	0.000714818	down-regulated gene
MARCOL	ENSG00000248109	-1.732536643	0.103116884	down-regulated gene
AC090115.1	ENSG00000257735	-1.732691171	9.7752E-07	down-regulated gene
ARG2	ENSG00000081181	-1.732910915	4.12475E-09	down-regulated gene
AL672032.1	ENSG00000235813	-1.73318074	0.002133324	down-regulated gene
LINC00644	ENSG00000259142	-1.733590848	0.432312346	down-regulated gene
NRP2	ENSG00000118257	-1.734822723	5.25426E-07	down-regulated gene
GARNL3	ENSG00000136895	-1.735561467	8.43736E-11	down-regulated gene

SRF	ENSG00000112658	-1.736688806	2.24523E-38	down-regulated gene
JUNB	ENSG00000171223	-1.737156385	6.58452E-16	down-regulated gene
MROH7	ENSG00000184313	-1.738271921	2.96743E-06	down-regulated gene
AP001605.1	ENSG00000231236	-1.73916025	0.005704132	down-regulated gene
AL592429.2	ENSG00000226571	-1.740217903	0.026120795	down-regulated gene
HAPLN2	ENSG00000132702	-1.741129374	2.433E-05	down-regulated gene
EBF3	ENSG00000108001	-1.741786272	9.78843E-08	down-regulated gene
CPEB4	ENSG00000113742	-1.742323194	8.93865E-17	down-regulated gene
SLC25A4	ENSG00000151729	-1.742639595	1.45848E-21	down-regulated gene
AC092850.1	ENSG00000279746	-1.743703247	0.3042576	down-regulated gene
IGFBP5	ENSG00000115461	-1.74398032	2.30421E-05	down-regulated gene
AC093510.2	ENSG00000260871	-1.743994553	1.25377E-08	down-regulated gene
THEGL	ENSG00000249693	-1.744289079	0.000488296	down-regulated gene
NEXN-AS1	ENSG00000235927	-1.744443952	9.37571E-09	down-regulated gene
DISP1	ENSG00000154309	-1.744728073	1.95737E-16	down-regulated gene
GALNT16	ENSG00000100626	-1.745098771	0.000352805	down-regulated gene
TNFAIP6	ENSG00000123610	-1.745114924	4.13354E-05	down-regulated gene
AL445465.1	ENSG00000237174	-1.745645787	0.028615436	down-regulated gene
MIRLET7F1	ENSG00000199072	-1.747581911	0.014500024	down-regulated gene
LINC02861	ENSG00000262185	-1.748792637	1.96706E-08	down-regulated gene
DCUN1D3	ENSG00000188215	-1.74880749	5.0327E-29	down-regulated gene
MIR222HG	ENSG00000270069	-1.74936792	7.4795E-08	down-regulated gene
AC135178.2	ENSG00000226871	-1.750427285	0.000217773	down-regulated gene
LINC01016	ENSG00000249346	-1.751192405	0.01058205	down-regulated gene
PRICKLE2-AS2	ENSG00000241101	-1.751250401	0.07868282	down-regulated gene
AL590560.4	ENSG00000279430	-1.751392885	1.46718E-05	down-regulated gene
THSD7B	ENSG00000144229	-1.752065652	0.002635334	down-regulated gene
PDE7B	ENSG00000171408	-1.752235125	1.52246E-07	down-regulated gene
AP005202.1	ENSG00000265174	-1.75230173	0.314995307	down-regulated gene
PARVA	ENSG00000197702	-1.752735331	1.24909E-22	down-regulated gene
PPP1R3B	ENSG00000173281	-1.754309804	4.54884E-13	down-regulated gene
AC023137.1	ENSG00000228950	-1.755004415	0.001046166	down-regulated gene
CD8B2	ENSG00000254126	-1.755469068	0.005456989	down-regulated gene
ZNF154	ENSG00000179909	-1.755512815	1.56446E-09	down-regulated gene
TMEM220-AS1	ENSG00000263400	-1.755543271	4.58934E-07	down-regulated gene
AC080188.2	ENSG00000279384	-1.756010084	3.06608E-07	down-regulated gene
CABCOC01	ENSG00000183346	-1.756398641	2.54136E-06	down-regulated gene
AC009093.4	ENSG00000260953	-1.756999451	0.000172787	down-regulated gene
KCNIP4	ENSG00000185774	-1.758241838	1.39015E-17	down-regulated gene
SMTNL2	ENSG00000188176	-1.758689684	9.73942E-05	down-regulated gene
DIRAS1	ENSG00000176490	-1.758835562	0.000661417	down-regulated gene
CC2D2A	ENSG00000048342	-1.758873241	3.59493E-19	down-regulated gene
AP003501.2	ENSG00000254943	-1.761332795	0.491306664	down-regulated gene
TRAV10	ENSG00000211784	-1.76143579	0.002217609	down-regulated gene
SLC26A5	ENSG00000170615	-1.761745576	5.97646E-05	down-regulated gene
IL26	ENSG00000111536	-1.762994863	0.00116017	down-regulated gene
AC011472.1	ENSG00000267082	-1.763519823	6.48603E-13	down-regulated gene
PARM1	ENSG00000169116	-1.763756413	9.69288E-07	down-regulated gene
WEE1	ENSG00000166483	-1.76448358	9.38716E-20	down-regulated gene

AL451069.1	ENSG00000226900	-1.765061617	0.00029238	down-regulated gene
KATNAL1	ENSG00000102781	-1.76521472	1.44043E-08	down-regulated gene
AC020911.2	ENSG00000267275	-1.765443177	0.001767697	down-regulated gene
ANP32BP2	ENSG00000231801	-1.765466208	0.283734015	down-regulated gene
AC073130.3	ENSG00000279086	-1.765984089	1.10822E-09	down-regulated gene
PDLIM7	ENSG00000196923	-1.766249283	2.22976E-11	down-regulated gene
SHE	ENSG00000169291	-1.766582261	1.49969E-09	down-regulated gene
LINC00629	ENSG00000227060	-1.76703577	1.25052E-06	down-regulated gene
CD19	ENSG00000177455	-1.768736262	0.002701695	down-regulated gene
EVA1C	ENSG00000166979	-1.768930811	1.10784E-07	down-regulated gene
AC015914.1	ENSG00000259351	-1.769602456	0.000651328	down-regulated gene
ROR2	ENSG00000169071	-1.769900192	2.86324E-05	down-regulated gene
SEMA3G	ENSG00000010319	-1.770122074	5.06372E-11	down-regulated gene
AP001189.3	ENSG00000254810	-1.77036731	1.58228E-06	down-regulated gene
TRPM3	ENSG00000083067	-1.770537908	0.000542156	down-regulated gene
LINC02186	ENSG00000261856	-1.770621859	0.228241469	down-regulated gene
AC026341.1	ENSG00000242880	-1.771280778	0.000189506	down-regulated gene
RASGEF1C	ENSG00000146090	-1.771348605	0.002510753	down-regulated gene
SNRPCP19	ENSG00000234999	-1.772291452	0.022109032	down-regulated gene
AC016705.2	ENSG00000259495	-1.773362393	0.000916294	down-regulated gene
AC105053.1	ENSG00000229498	-1.773717694	0.000944356	down-regulated gene
CDC42EP3	ENSG00000163171	-1.774057249	5.95672E-13	down-regulated gene
AC007091.1	ENSG00000223838	-1.774965192	0.138948918	down-regulated gene
SCN3B	ENSG00000166257	-1.775010371	5.21697E-05	down-regulated gene
SLC47A1P1	ENSG00000228983	-1.775634556	0.025627909	down-regulated gene
AC018521.6	ENSG00000266601	-1.775769698	4.52441E-17	down-regulated gene
DKK1	ENSG00000107984	-1.776031123	0.000881971	down-regulated gene
TMEM238L	ENSG00000263429	-1.776743088	0.003448669	down-regulated gene
AL135786.2	ENSG00000272866	-1.777064348	4.53397E-07	down-regulated gene
SELP	ENSG00000174175	-1.777100379	2.65036E-05	down-regulated gene
TAFA2	ENSG00000198673	-1.77728324	4.96131E-13	down-regulated gene
CLU	ENSG00000120885	-1.777816875	2.75801E-05	down-regulated gene
OLFML3	ENSG00000116774	-1.777979711	1.19728E-05	down-regulated gene
AC003986.1	ENSG00000229533	-1.778381769	0.110942011	down-regulated gene
AC243960.3	ENSG00000268355	-1.778650325	3.57802E-06	down-regulated gene
CLEC9A	ENSG00000197992	-1.778683722	1.92958E-05	down-regulated gene
KANK1	ENSG00000107104	-1.780318585	4.65322E-14	down-regulated gene
AC099786.1	ENSG00000224127	-1.78163832	0.063049288	down-regulated gene
AC026477.1	ENSG00000213940	-1.782966332	7.47369E-05	down-regulated gene
AL512329.2	ENSG00000272279	-1.783345725	0.000613355	down-regulated gene
LSM11	ENSG00000155858	-1.7839392	3.32182E-26	down-regulated gene
ADRA2A	ENSG00000150594	-1.784020693	4.24163E-06	down-regulated gene
WNT2B	ENSG00000134245	-1.784772251	6.03393E-13	down-regulated gene
STC1	ENSG00000159167	-1.785412016	2.32235E-07	down-regulated gene
STARD13-AS	ENSG00000236581	-1.785592415	2.43917E-06	down-regulated gene
BANF1P1	ENSG00000258531	-1.786155842	0.011660702	down-regulated gene
HFM1	ENSG00000162669	-1.786818471	4.23339E-05	down-regulated gene
COLGALT2	ENSG00000198756	-1.787990558	0.000175886	down-regulated gene
CEP85L	ENSG0000011860	-1.788762007	2.3469E-18	down-regulated gene

AC006148.1	ENSG00000242593	-1.789608007	0.0670258	down-regulated gene
KCNJ8	ENSG00000121361	-1.790096227	3.91179E-08	down-regulated gene
RBPMS	ENSG00000157110	-1.790789469	3.0906E-13	down-regulated gene
GYPE	ENSG00000197465	-1.790875325	1.03209E-06	down-regulated gene
GULP1	ENSG00000144366	-1.792608269	1.17125E-07	down-regulated gene
FEV	ENSG00000163497	-1.794283813	0.023532255	down-regulated gene
MIRLET7A1	ENSG00000199165	-1.795038036	0.00084885	down-regulated gene
SUPT20HL2	ENSG00000223611	-1.795171682	0.048643157	down-regulated gene
PYGB	ENSG00000100994	-1.797909336	3.0853E-16	down-regulated gene
AC246817.1	ENSG00000253853	-1.79887465	0.001895666	down-regulated gene
PLXNA4	ENSG00000221866	-1.800033907	0.000108405	down-regulated gene
DYSF	ENSG00000135636	-1.800269453	1.76658E-11	down-regulated gene
MPDZ	ENSG00000107186	-1.800649225	1.23082E-14	down-regulated gene
AC148477.2	ENSG00000256542	-1.802580523	0.025212309	down-regulated gene
AC093787.1	ENSG00000226886	-1.804333574	0.201494434	down-regulated gene
REELD1	ENSG00000250673	-1.805777743	0.000649184	down-regulated gene
CCND2	ENSG00000118971	-1.8063242	5.86745E-07	down-regulated gene
ALDH2	ENSG00000111275	-1.806325801	2.67299E-07	down-regulated gene
C1orf194	ENSG00000179902	-1.808948252	0.000120585	down-regulated gene
AC093010.2	ENSG00000259976	-1.809637581	2.13434E-17	down-regulated gene
AC073325.2	ENSG00000226999	-1.810477215	0.000933849	down-regulated gene
IL6-AS1	ENSG00000179428	-1.810512217	0.000259578	down-regulated gene
WFIKKN2	ENSG00000173714	-1.811140431	0.000396215	down-regulated gene
RPL23AP47	ENSG00000219814	-1.812561543	0.000516953	down-regulated gene
LINC02256	ENSG00000261064	-1.81336619	8.05994E-09	down-regulated gene
ASXL3	ENSG00000141431	-1.813569167	0.000354277	down-regulated gene
AL357143.1	ENSG00000229961	-1.813672392	0.014541765	down-regulated gene
GPM6B	ENSG00000046653	-1.814599884	3.81873E-10	down-regulated gene
PTPRN2	ENSG00000155093	-1.814888966	1.07429E-06	down-regulated gene
AC067942.2	ENSG00000248113	-1.815680539	1.59397E-05	down-regulated gene
AL160191.1	ENSG00000258422	-1.816608813	0.063672544	down-regulated gene
AC090625.2	ENSG00000255542	-1.817286249	0.0594251	down-regulated gene
CCL19	ENSG00000172724	-1.818594529	0.002352558	down-regulated gene
OXER1	ENSG00000162881	-1.818620869	6.9161E-09	down-regulated gene
AC024337.2	ENSG00000273771	-1.819156107	1.85924E-06	down-regulated gene
AC243562.2	ENSG00000259683	-1.819814203	1.67654E-05	down-regulated gene
NR2F1	ENSG00000175745	-1.820114069	8.69294E-09	down-regulated gene
AC233976.1	ENSG00000229151	-1.820535895	0.006574902	down-regulated gene
MEIS1	ENSG00000143995	-1.821120532	3.06742E-16	down-regulated gene
LINC02712	ENSG00000273409	-1.821492882	0.002638758	down-regulated gene
PI15	ENSG00000137558	-1.821838231	2.60308E-05	down-regulated gene
DUSP26	ENSG00000133878	-1.821890489	2.16171E-05	down-regulated gene
SDC2	ENSG00000169439	-1.822035333	5.02273E-09	down-regulated gene
LINC01197	ENSG00000248441	-1.822213362	8.06194E-09	down-regulated gene
LINC01936	ENSG00000235997	-1.822805689	3.19775E-08	down-regulated gene
HACD1	ENSG00000165996	-1.823094834	4.26927E-07	down-regulated gene
LRRC4	ENSG00000128594	-1.823707765	6.88354E-06	down-regulated gene
AC092542.1	ENSG00000251399	-1.823849515	0.002779105	down-regulated gene
TMEM255A	ENSG00000125355	-1.824926584	4.30687E-05	down-regulated gene

JCHAIN	ENSG00000132465	-1.825244117	0.000389221	down-regulated gene
LINC00710	ENSG00000229240	-1.825425941	0.054406834	down-regulated gene
GNG11	ENSG00000127920	-1.8254665	6.1062E-12	down-regulated gene
AC008073.3	ENSG00000276087	-1.825908357	0.000147828	down-regulated gene
F8	ENSG00000185010	-1.826120762	3.40326E-14	down-regulated gene
GPR135	ENSG00000181619	-1.830766903	9.27879E-13	down-regulated gene
CFP	ENSG00000126759	-1.831126124	3.58281E-06	down-regulated gene
NAV3	ENSG00000067798	-1.833129287	3.83993E-05	down-regulated gene
PLPP7	ENSG00000160539	-1.834797946	1.17322E-06	down-regulated gene
LINC00092	ENSG00000225194	-1.834818652	1.89187E-05	down-regulated gene
B3GAT2	ENSG00000112309	-1.835209202	2.56243E-11	down-regulated gene
HSPB3	ENSG00000169271	-1.836122779	0.012842635	down-regulated gene
RN7SL689P	ENSG00000263432	-1.836455694	1.12884E-15	down-regulated gene
CPEB2	ENSG00000137449	-1.83805447	6.16787E-16	down-regulated gene
AL445493.3	ENSG00000275392	-1.838386713	0.000396379	down-regulated gene
CNKSRR2	ENSG00000149970	-1.838464544	0.000716519	down-regulated gene
AC018647.1	ENSG00000227544	-1.839168513	2.51103E-07	down-regulated gene
TCF23	ENSG00000163792	-1.841749559	0.00125204	down-regulated gene
SYT11	ENSG00000132718	-1.842886457	3.2066E-09	down-regulated gene
FAM43A	ENSG00000185112	-1.843056541	2.0658E-10	down-regulated gene
AC107959.1	ENSG00000245025	-1.843097997	2.51101E-15	down-regulated gene
SERPINB2	ENSG00000197632	-1.843140102	0.008801753	down-regulated gene
ANO4	ENSG00000151572	-1.843309864	6.52293E-05	down-regulated gene
CYTL1	ENSG00000170891	-1.844446578	9.76704E-05	down-regulated gene
EYA4	ENSG00000112319	-1.845251931	2.29744E-05	down-regulated gene
RNU6-1189P	ENSG00000206685	-1.845341048	0.019824412	down-regulated gene
MGP	ENSG00000111341	-1.845391446	2.26072E-05	down-regulated gene
CCDC169-SOHLH2	ENSG00000250709	-1.846094252	0.000927538	down-regulated gene
CLEC10A	ENSG00000132514	-1.846596995	1.20192E-05	down-regulated gene
LRRC7	ENSG00000033122	-1.846965478	5.93411E-12	down-regulated gene
TRIB1	ENSG00000173334	-1.847089409	3.8686E-16	down-regulated gene
BCO2	ENSG00000197580	-1.847602488	9.57705E-09	down-regulated gene
HRAT17	ENSG00000234520	-1.84932407	0.022195432	down-regulated gene
LINC02139	ENSG00000278214	-1.84950428	2.07308E-05	down-regulated gene
PCDHGB7	ENSG00000254122	-1.849738252	9.02375E-08	down-regulated gene
ADAMTS5	ENSG00000154736	-1.849751271	3.25738E-09	down-regulated gene
ARMCX1	ENSG00000126947	-1.850658738	8.44878E-09	down-regulated gene
SIGLEC17P	ENSG00000171101	-1.850883448	1.60041E-06	down-regulated gene
PRR26	ENSG00000180525	-1.851149005	9.38975E-05	down-regulated gene
FAM124A	ENSG00000150510	-1.851346293	2.06343E-08	down-regulated gene
PDILT	ENSG00000169340	-1.851727399	0.114237493	down-regulated gene
CSPG4	ENSG00000173546	-1.852405133	2.95401E-07	down-regulated gene
GATA1	ENSG00000102145	-1.85374058	1.95591E-07	down-regulated gene
RASD1	ENSG00000108551	-1.854906094	2.61872E-05	down-regulated gene
AC004808.2	ENSG00000281008	-1.85504317	0.163889113	down-regulated gene
PPP1R10P1	ENSG00000255352	-1.857405727	0.735954601	down-regulated gene
AP001471.1	ENSG00000227438	-1.857878986	0.000239855	down-regulated gene
CD200	ENSG00000091972	-1.85883089	1.84251E-08	down-regulated gene
RUSC2	ENSG00000198853	-1.859300228	4.43174E-16	down-regulated gene

LINC01168	ENSG00000240707	-1.859754477	0.01659318	down-regulated gene
HS3ST4	ENSG00000182601	-1.860350831	0.031562864	down-regulated gene
PRPH	ENSG00000135406	-1.86062079	0.000738215	down-regulated gene
NIBAN3	ENSG00000167483	-1.861520663	0.000422301	down-regulated gene
AC018563.1	ENSG00000259280	-1.862678854	0.01247445	down-regulated gene
CNRIP1	ENSG00000119865	-1.863821196	2.96049E-09	down-regulated gene
SYNPO	ENSG00000171992	-1.86452881	1.09623E-13	down-regulated gene
EMCN	ENSG00000164035	-1.865458031	7.02092E-10	down-regulated gene
FAM110B	ENSG00000169122	-1.867260993	4.41261E-07	down-regulated gene
AC104211.1	ENSG00000253177	-1.868137318	0.001367594	down-regulated gene
FCRL4	ENSG00000163518	-1.868155914	0.006016796	down-regulated gene
LINC00161	ENSG00000226935	-1.868176913	0.001413289	down-regulated gene
SOD3	ENSG00000109610	-1.86890665	2.10945E-06	down-regulated gene
GPAT3	ENSG00000138678	-1.870040049	1.08587E-06	down-regulated gene
AC015909.2	ENSG00000253730	-1.87010713	1.18991E-05	down-regulated gene
REEP2	ENSG00000132563	-1.870262386	9.62142E-07	down-regulated gene
KIF19	ENSG00000196169	-1.872071853	9.85561E-07	down-regulated gene
BX119917.1	ENSG00000225471	-1.873282049	3.96978E-12	down-regulated gene
SETP2	ENSG00000258893	-1.873405197	0.001051295	down-regulated gene
IL17B	ENSG00000127743	-1.873655461	3.18249E-11	down-regulated gene
PMP22	ENSG00000109099	-1.874373651	1.28052E-08	down-regulated gene
KCNN3	ENSG00000143603	-1.875223077	8.19395E-09	down-regulated gene
RGS13	ENSG00000127074	-1.878136859	4.96394E-05	down-regulated gene
AC092162.1	ENSG00000223777	-1.878696556	0.108369488	down-regulated gene
GRIA1	ENSG00000155511	-1.879490998	0.007389787	down-regulated gene
AF067845.1	ENSG00000260721	-1.881107812	0.105480365	down-regulated gene
TPO	ENSG00000115705	-1.882027684	0.006075941	down-regulated gene
NMUR1	ENSG00000171596	-1.882925924	2.52595E-06	down-regulated gene
AL161747.1	ENSG00000241035	-1.885402429	0.000541902	down-regulated gene
MEIS2	ENSG00000134138	-1.885427064	1.09941E-14	down-regulated gene
SEMA3A	ENSG00000075213	-1.885915364	2.2867E-06	down-regulated gene
P2RY12	ENSG00000169313	-1.886531964	0.000159179	down-regulated gene
LINC00316	ENSG00000237664	-1.886578032	0.011224621	down-regulated gene
CDK15	ENSG00000138395	-1.886977919	8.7564E-09	down-regulated gene
OR7E47P	ENSG00000257542	-1.88837187	1.9176E-08	down-regulated gene
CCDC141	ENSG00000163492	-1.889942778	1.9053E-05	down-regulated gene
APOBEC3A	ENSG00000128383	-1.890080301	0.000313038	down-regulated gene
LINC00595	ENSG00000230417	-1.890216847	0.000129034	down-regulated gene
RGS9	ENSG00000108370	-1.890452824	4.64833E-07	down-regulated gene
AC008992.1	ENSG00000267636	-1.890946771	0.001687244	down-regulated gene
MYL10	ENSG00000106436	-1.890975017	0.000154074	down-regulated gene
PPP1R2C	ENSG00000102055	-1.892385481	0.127771937	down-regulated gene
PDGFD	ENSG00000170962	-1.892733872	1.05867E-08	down-regulated gene
PJA2	ENSG00000198961	-1.893039682	1.29891E-31	down-regulated gene
AC099535.1	ENSG00000230807	-1.893150643	2.59026E-06	down-regulated gene
AC112492.2	ENSG00000226199	-1.893672573	0.14811043	down-regulated gene
LINC00602	ENSG00000281832	-1.89682297	0.10985649	down-regulated gene
AC021683.2	ENSG00000267506	-1.897156072	0.000216109	down-regulated gene
TRBV24-1	ENSG00000211750	-1.897748594	0.000533789	down-regulated gene

NUDT10	ENSG00000122824	-1.898416845	0.000307671	down-regulated gene
PIPOX	ENSG00000179761	-1.899361407	3.26327E-08	down-regulated gene
LINC01160	ENSG00000231346	-1.899496	2.57677E-06	down-regulated gene
AC008669.1	ENSG00000260686	-1.900455367	1.32609E-14	down-regulated gene
MIR30C2	ENSG00000199094	-1.900977577	0.003234193	down-regulated gene
CYS1	ENSG00000205795	-1.901406209	1.54535E-06	down-regulated gene
NCR3	ENSG00000204475	-1.903777072	1.78391E-05	down-regulated gene
AL355987.1	ENSG00000204003	-1.904766412	0.453426813	down-regulated gene
AL121957.1	ENSG00000234206	-1.905678096	0.00450923	down-regulated gene
CYGB	ENSG00000161544	-1.906049296	6.75669E-12	down-regulated gene
MEF2C	ENSG00000081189	-1.906308227	4.00395E-12	down-regulated gene
LINC02511	ENSG00000248869	-1.907340845	0.13909922	down-regulated gene
ADAMTS9	ENSG00000163638	-1.907953568	1.97468E-09	down-regulated gene
LINC00472	ENSG00000233237	-1.907964661	2.69411E-06	down-regulated gene
TMTC1	ENSG00000133687	-1.908680178	6.25667E-07	down-regulated gene
NRG2	ENSG00000158458	-1.909373679	4.27118E-05	down-regulated gene
VCL	ENSG00000035403	-1.909642682	1.0448E-23	down-regulated gene
SMIM10	ENSG00000184785	-1.91133593	1.72119E-12	down-regulated gene
DSTNP4	ENSG00000215034	-1.911581529	5.20382E-05	down-regulated gene
AC145124.1	ENSG00000255495	-1.911920723	8.49327E-10	down-regulated gene
PCDH7	ENSG00000169851	-1.912245304	9.94354E-06	down-regulated gene
CNTN2	ENSG00000184144	-1.91301848	0.000923506	down-regulated gene
PTPRD	ENSG00000153707	-1.913389704	0.000129644	down-regulated gene
AL133481.1	ENSG00000235426	-1.913674159	0.015776712	down-regulated gene
EDNRB	ENSG00000136160	-1.914514413	3.66155E-08	down-regulated gene
S1PR1	ENSG00000170989	-1.914649532	2.08575E-11	down-regulated gene
AC018445.1	ENSG00000275186	-1.914992308	0.057541778	down-regulated gene
STK32B	ENSG00000152953	-1.915147969	5.57875E-07	down-regulated gene
AC011444.3	ENSG00000267299	-1.918419176	5.66098E-05	down-regulated gene
LRRC4B	ENSG00000131409	-1.918983337	1.14378E-06	down-regulated gene
BX255923.1	ENSG00000225655	-1.919007028	0.000541272	down-regulated gene
MIR125B1	ENSG00000207971	-1.919220433	0.232051769	down-regulated gene
UQCRHP4	ENSG00000242728	-1.919854964	0.133418361	down-regulated gene
ABCB1	ENSG00000085563	-1.920485395	1.01656E-11	down-regulated gene
TWIST2	ENSG00000233608	-1.922589007	3.67426E-05	down-regulated gene
DIRC3	ENSG00000231672	-1.923303812	9.18708E-06	down-regulated gene
AL392089.1	ENSG00000226403	-1.923740027	0.003393191	down-regulated gene
RHOJ	ENSG00000126785	-1.923969979	8.84779E-12	down-regulated gene
SORCS3	ENSG00000156395	-1.924615721	0.050775738	down-regulated gene
GFRA3	ENSG00000146013	-1.925787289	6.6527E-05	down-regulated gene
SLC9A9	ENSG00000181804	-1.925977483	1.91049E-10	down-regulated gene
FIGLA	ENSG00000183733	-1.926084481	0.00608999	down-regulated gene
AC119868.2	ENSG00000265643	-1.926409104	0.057268622	down-regulated gene
AC120498.6	ENSG00000261294	-1.926844578	0.014288795	down-regulated gene
AC245123.1	ENSG00000277526	-1.927006416	0.042701294	down-regulated gene
PRDM8	ENSG00000152784	-1.927386458	2.53241E-08	down-regulated gene
AC004448.2	ENSG00000235979	-1.927501155	0.000140812	down-regulated gene
HPD	ENSG00000158104	-1.927719354	2.43598E-06	down-regulated gene
FAM110D	ENSG00000197245	-1.929011287	1.10622E-11	down-regulated gene

CEACAM7	ENSG00000007306	-1.929280144	0.013566295	down-regulated gene
LINC00970	ENSG00000203601	-1.930621295	0.032718306	down-regulated gene
AC109597.2	ENSG00000261158	-1.930854519	0.000330217	down-regulated gene
AC091564.5	ENSG00000255410	-1.931345348	0.000126841	down-regulated gene
TMEFF2	ENSG00000144339	-1.931592184	0.006199722	down-regulated gene
TXLNB	ENSG00000164440	-1.931769555	1.39337E-08	down-regulated gene
AP001189.1	ENSG00000236304	-1.932017867	1.15095E-06	down-regulated gene
CCDC110	ENSG00000168491	-1.932415927	1.83274E-07	down-regulated gene
PABPC1P4	ENSG00000255642	-1.932964359	3.4337E-11	down-regulated gene
PRKAR2B	ENSG00000005249	-1.933495204	1.18441E-08	down-regulated gene
RGS7BP	ENSG00000186479	-1.934511548	0.000160793	down-regulated gene
AC017048.2	ENSG00000236231	-1.935407326	0.048683618	down-regulated gene
NPR1	ENSG00000169418	-1.936641603	6.00522E-09	down-regulated gene
DNASE1L3	ENSG00000163687	-1.937056137	0.000125941	down-regulated gene
LINC02185	ENSG00000262097	-1.938192123	1.04589E-05	down-regulated gene
TAMALIN	ENSG00000161835	-1.93821582	6.60017E-13	down-regulated gene
AC092327.1	ENSG00000268473	-1.939130647	0.020621034	down-regulated gene
AL449403.2	ENSG00000237212	-1.939318269	0.001820847	down-regulated gene
PREX2	ENSG00000046889	-1.939328691	1.65178E-09	down-regulated gene
AL136298.1	ENSG00000258580	-1.940902165	0.005496558	down-regulated gene
CDKL1	ENSG00000100490	-1.941044206	1.26306E-17	down-regulated gene
AKT3	ENSG00000117020	-1.942075459	2.21425E-10	down-regulated gene
LINC02765	ENSG00000234476	-1.943629826	0.001832857	down-regulated gene
URAD	ENSG00000183463	-1.944891541	0.136293838	down-regulated gene
DCAF12L2	ENSG00000198354	-1.945634721	0.000928083	down-regulated gene
GXYLT1P6	ENSG00000235310	-1.946176541	0.088864482	down-regulated gene
AC009974.1	ENSG00000272555	-1.946366267	5.09537E-07	down-regulated gene
RN7SL368P	ENSG00000239948	-1.946831356	1.94439E-06	down-regulated gene
NAMPTP3	ENSG00000261053	-1.947668185	0.021204885	down-regulated gene
AL365273.2	ENSG00000270099	-1.948128257	0.016511563	down-regulated gene
WDR17	ENSG00000150627	-1.948616677	0.000384147	down-regulated gene
CNR2	ENSG00000188822	-1.94974421	0.000650332	down-regulated gene
AP000438.1	ENSG00000257002	-1.950797545	0.000210761	down-regulated gene
PDZPH1P	ENSG00000226926	-1.951228407	0.00047962	down-regulated gene
ZNF317P1	ENSG00000253781	-1.951349734	0.329256436	down-regulated gene
LINC02344	ENSG00000227911	-1.952033773	0.0592704	down-regulated gene
AC108472.1	ENSG00000235902	-1.952626558	0.00267179	down-regulated gene
AC104260.1	ENSG00000273923	-1.952980796	8.61087E-05	down-regulated gene
AL590093.1	ENSG00000230728	-1.953258078	1.26984E-05	down-regulated gene
AL136084.2	ENSG00000270412	-1.956531451	1.01239E-07	down-regulated gene
RN7SKP268	ENSG00000223039	-1.957024329	0.091438185	down-regulated gene
CD79B	ENSG00000007312	-1.957125149	2.0783E-05	down-regulated gene
EXOC1L	ENSG00000250821	-1.958046341	0.003660197	down-regulated gene
LINC02384	ENSG00000251301	-1.958545723	2.73509E-05	down-regulated gene
OR5K2	ENSG00000231861	-1.959018039	3.29687E-06	down-regulated gene
AL391807.1	ENSG00000230910	-1.959082673	0.002119669	down-regulated gene
MTND5P10	ENSG00000271687	-1.959931857	0.000637944	down-regulated gene
UBBP5	ENSG00000228074	-1.96007059	0.001065595	down-regulated gene
MGLL	ENSG00000074416	-1.961610802	1.65708E-10	down-regulated gene

GJC2	ENSG00000198835	-1.962587929	3.435E-12	down-regulated gene
GRM7	ENSG00000196277	-1.962935432	0.00039781	down-regulated gene
CRB2	ENSG00000148204	-1.963150674	1.31978E-05	down-regulated gene
EYA1	ENSG00000104313	-1.963511954	0.000118832	down-regulated gene
AC027559.1	ENSG00000259658	-1.96553158	1.88613E-08	down-regulated gene
RPS27AP17	ENSG00000237490	-1.966369816	0.001834495	down-regulated gene
AC134043.3	ENSG00000279204	-1.967747941	1.04963E-09	down-regulated gene
AC009509.4	ENSG00000256557	-1.968430631	0.059615348	down-regulated gene
AC084855.1	ENSG00000254744	-1.968878968	0.000249083	down-regulated gene
AC013474.1	ENSG00000235128	-1.969234336	0.003691401	down-regulated gene
CSP2	ENSG00000241218	-1.970123654	6.52083E-07	down-regulated gene
CD55	ENSG00000196352	-1.970306403	1.38008E-12	down-regulated gene
GVINP2	ENSG00000254781	-1.970996015	0.007986011	down-regulated gene
BET1P1	ENSG00000241134	-1.971971636	0.001833769	down-regulated gene
CA3	ENSG00000164879	-1.973455719	2.89892E-06	down-regulated gene
EMILIN1	ENSG00000138080	-1.973484437	2.34669E-07	down-regulated gene
RNASE4	ENSG00000258818	-1.973901411	4.25237E-13	down-regulated gene
AL035409.1	ENSG00000230498	-1.974009024	5.03168E-06	down-regulated gene
AC018752.1	ENSG00000250015	-1.974414291	6.51233E-07	down-regulated gene
AP001542.3	ENSG00000267480	-1.974599531	1.57161E-12	down-regulated gene
TACC2	ENSG00000138162	-1.975120376	3.29155E-19	down-regulated gene
RAB37	ENSG00000172794	-1.975508384	3.91924E-09	down-regulated gene
TCEAL5	ENSG00000204065	-1.975850495	0.003062265	down-regulated gene
AC020916.1	ENSG00000267519	-1.976635367	2.45073E-13	down-regulated gene
EVX2	ENSG00000174279	-1.979300147	0.0009116	down-regulated gene
RAD17P1	ENSG00000232400	-1.980603019	0.028487441	down-regulated gene
CSRNP3	ENSG00000178662	-1.982868818	4.59889E-09	down-regulated gene
AC012568.1	ENSG00000259202	-1.984086891	0.000978393	down-regulated gene
CDO1	ENSG00000129596	-1.987417323	0.000218858	down-regulated gene
AP000757.1	ENSG00000254528	-1.987919114	1.05536E-05	down-regulated gene
FAM149A	ENSG00000109794	-1.987928062	1.98592E-07	down-regulated gene
AL157770.1	ENSG00000279499	-1.988215716	6.4021E-06	down-regulated gene
SNORD116-1	ENSG00000207063	-1.988543708	0.04258666	down-regulated gene
SNORD116-4	ENSG00000275529	-1.988562611	6.85835E-05	down-regulated gene
ENAM	ENSG00000132464	-1.988654983	2.85797E-05	down-regulated gene
DUSP8	ENSG00000184545	-1.989466123	2.0564E-11	down-regulated gene
AC007563.2	ENSG00000236886	-1.99003614	0.045657017	down-regulated gene
GSG1L	ENSG00000169181	-1.990516717	0.001037916	down-regulated gene
SSPN	ENSG00000123096	-1.991496615	1.24065E-15	down-regulated gene
LINC02833	ENSG00000258742	-1.991606113	0.180542398	down-regulated gene
SPRY1	ENSG00000164056	-1.992818007	7.16106E-15	down-regulated gene
SNED1	ENSG00000162804	-1.993390577	2.81098E-10	down-regulated gene
ARHGAP24	ENSG00000138639	-1.994215622	4.3761E-12	down-regulated gene
C8orf86	ENSG00000196166	-1.994680913	0.012673252	down-regulated gene
PDGFRA	ENSG00000134853	-1.996071053	7.0517E-09	down-regulated gene
MAGI2	ENSG00000187391	-1.996170694	8.10581E-16	down-regulated gene
RPL21P135	ENSG00000235482	-1.997095559	2.95222E-07	down-regulated gene
LINC01345	ENSG00000226374	-1.997358656	0.058949964	down-regulated gene
PRRX2-AS1	ENSG00000236024	-1.997895351	0.009131735	down-regulated gene

LRR37A17P	ENSG00000263142	-1.998098256	3.6288E-19	down-regulated gene
ZEB2	ENSG00000169554	-1.998365499	5.12633E-11	down-regulated gene
PPP1R12A	ENSG00000058272	-1.999119807	8.00754E-38	down-regulated gene
CXCL12	ENSG00000107562	-1.999543776	6.67297E-06	down-regulated gene
DSCAML1	ENSG00000177103	-1.999779153	0.000240084	down-regulated gene
MYOZ3	ENSG00000164591	-1.999843931	2.00952E-07	down-regulated gene
TRPC4	ENSG00000133107	-2.000051981	1.94872E-11	down-regulated gene
RUNDC3B	ENSG00000105784	-2.001479763	5.30456E-13	down-regulated gene
LINC02587	ENSG00000229108	-2.002229429	0.012245523	down-regulated gene
ARHGEF26	ENSG00000114790	-2.002442427	1.15823E-10	down-regulated gene
AC011586.2	ENSG00000253496	-2.004817813	0.021559766	down-regulated gene
AC087623.3	ENSG00000272159	-2.004947954	7.11825E-06	down-regulated gene
ST8SIA1	ENSG00000111728	-2.005160165	5.31382E-08	down-regulated gene
FOSL1	ENSG00000175592	-2.006286725	3.1335E-08	down-regulated gene
TIPARP	ENSG00000163659	-2.006716127	8.46906E-18	down-regulated gene
FAT3	ENSG00000165323	-2.00686659	0.000103874	down-regulated gene
STARD13	ENSG00000133121	-2.007643307	2.79849E-14	down-regulated gene
PPIAP39	ENSG00000230018	-2.00817874	3.36687E-07	down-regulated gene
AMOTL1	ENSG00000166025	-2.009434595	7.54157E-15	down-regulated gene
TBX5-AS1	ENSG00000255399	-2.0103401	1.78448E-06	down-regulated gene
MYADM-AS1	ENSG00000228323	-2.010829067	7.31964E-07	down-regulated gene
UNC5C	ENSG00000182168	-2.011109736	1.80805E-08	down-regulated gene
PCSK7	ENSG00000160613	-2.011334472	1.39763E-30	down-regulated gene
CCND2-AS1	ENSG00000255920	-2.011517588	7.81018E-05	down-regulated gene
NEURL1	ENSG00000107954	-2.013216661	2.48868E-05	down-regulated gene
ABCA9	ENSG00000154258	-2.014113006	9.13092E-06	down-regulated gene
AC124854.1	ENSG00000249776	-2.015405979	0.003067685	down-regulated gene
AC009320.1	ENSG00000257456	-2.015975702	0.001457472	down-regulated gene
ARHGEF37	ENSG00000183111	-2.016001677	6.37781E-12	down-regulated gene
AL139317.4	ENSG00000271075	-2.019076941	0.002282398	down-regulated gene
DSTN	ENSG00000125868	-2.019771622	4.58545E-37	down-regulated gene
AL136531.2	ENSG00000274322	-2.02033647	2.87303E-09	down-regulated gene
AL024497.1	ENSG00000223542	-2.020527858	0.028370514	down-regulated gene
AP000842.2	ENSG00000255027	-2.02482043	0.125713257	down-regulated gene
AC005358.1	ENSG00000265489	-2.025780876	0.004156812	down-regulated gene
FGF13	ENSG00000129682	-2.025930517	3.16587E-08	down-regulated gene
PLSCR4	ENSG00000114698	-2.026857087	9.88482E-12	down-regulated gene
MCAM	ENSG00000076706	-2.027306435	7.17601E-16	down-regulated gene
PPARGC1A	ENSG00000109819	-2.029906738	0.000698014	down-regulated gene
AC002984.1	ENSG00000267005	-2.030068344	2.35797E-07	down-regulated gene
SMC2-AS1	ENSG00000270332	-2.030248652	4.98382E-10	down-regulated gene
ZDHHC11B	ENSG00000206077	-2.030865807	5.78044E-05	down-regulated gene
AP003396.3	ENSG00000254740	-2.030922909	0.01883262	down-regulated gene
MEIS3P2	ENSG00000188013	-2.031285346	1.35515E-08	down-regulated gene
TEAD1	ENSG00000187079	-2.031711144	5.4023E-25	down-regulated gene
CAVIN1	ENSG00000177469	-2.032727033	3.01209E-10	down-regulated gene
Z95327.3	ENSG00000275320	-2.033330822	0.019162371	down-regulated gene
FBXO32	ENSG00000156804	-2.033376181	1.23051E-11	down-regulated gene
BDNF	ENSG00000176697	-2.03348533	7.5532E-07	down-regulated gene

NAP1L3	ENSG00000186310	-2.033899245	4.66527E-07	down-regulated gene
AC005225.4	ENSG00000279026	-2.034171836	1.03165E-12	down-regulated gene
AC013643.2	ENSG00000253875	-2.034585282	0.000474376	down-regulated gene
PPDPFL	ENSG00000168333	-2.035215997	0.016760937	down-regulated gene
CCDC60	ENSG00000183273	-2.036755468	0.001499735	down-regulated gene
MORC1	ENSG00000114487	-2.036822465	0.075161711	down-regulated gene
AP000911.1	ENSG00000254648	-2.038060063	1.13301E-06	down-regulated gene
NFIL3	ENSG00000165030	-2.039771042	1.61869E-18	down-regulated gene
ARID5B	ENSG00000150347	-2.040950739	8.09642E-23	down-regulated gene
LINC00211	ENSG00000237803	-2.04420186	1.03434E-05	down-regulated gene
NFIA	ENSG00000162599	-2.045321487	4.01439E-17	down-regulated gene
AL139020.1	ENSG00000257275	-2.045539653	0.037015685	down-regulated gene
RIC3	ENSG00000166405	-2.046212638	1.67502E-05	down-regulated gene
AP001533.1	ENSG00000255504	-2.047961625	2.30106E-05	down-regulated gene
MIR5008	ENSG00000264483	-2.048695102	0.058108846	down-regulated gene
SNORD116-12	ENSG00000207197	-2.048899004	0.345203538	down-regulated gene
PCDH18	ENSG00000189184	-2.053039342	1.67417E-11	down-regulated gene
LINC01346	ENSG00000233304	-2.053349806	0.03094207	down-regulated gene
WDR49	ENSG00000174776	-2.054681764	4.64182E-05	down-regulated gene
AC138512.1	ENSG00000261273	-2.054780519	0.000457207	down-regulated gene
ASIC4-AS1	ENSG00000227432	-2.055544744	0.00044343	down-regulated gene
OSBPL10	ENSG00000144645	-2.056284593	1.21006E-17	down-regulated gene
TLL2	ENSG00000120440	-2.057054499	0.000949397	down-regulated gene
DBX2	ENSG00000185610	-2.057073585	0.003454037	down-regulated gene
STAC	ENSG00000144681	-2.057124821	6.56299E-06	down-regulated gene
EDNRA	ENSG00000151617	-2.059335258	3.58017E-11	down-regulated gene
CREB5	ENSG00000146592	-2.059363899	1.50984E-07	down-regulated gene
FYCO1	ENSG00000163820	-2.059749671	2.00884E-28	down-regulated gene
USP2	ENSG00000036672	-2.063077498	7.18105E-09	down-regulated gene
AC090825.1	ENSG00000259363	-2.063268122	2.05404E-08	down-regulated gene
DPP6	ENSG00000130226	-2.064290629	0.002720621	down-regulated gene
MITF	ENSG00000187098	-2.06555303	4.269E-12	down-regulated gene
PTGES3L-AARSD1	ENSG00000108825	-2.067061729	1.77621E-08	down-regulated gene
FZD7	ENSG00000155760	-2.06802476	7.86058E-16	down-regulated gene
HEPH	ENSG00000089472	-2.068906586	1.97076E-08	down-regulated gene
KRT78	ENSG00000170423	-2.069070993	0.000105164	down-regulated gene
HSPA2	ENSG00000126803	-2.069978839	1.8033E-10	down-regulated gene
PANCR	ENSG00000250103	-2.071492553	0.000769535	down-regulated gene
AC092327.2	ENSG00000269826	-2.071641601	0.118848292	down-regulated gene
TCIM	ENSG00000176907	-2.071698005	4.16814E-08	down-regulated gene
AL589987.1	ENSG00000230707	-2.072561296	0.015132846	down-regulated gene
AC004947.1	ENSG00000233760	-2.0727197	0.000362967	down-regulated gene
PRSS35	ENSG00000146250	-2.074781345	4.66492E-06	down-regulated gene
RN7SL417P	ENSG00000244056	-2.075871879	0.000221834	down-regulated gene
LINC02106	ENSG00000251573	-2.076039473	0.076678045	down-regulated gene
CACNA1C-IT1	ENSG00000256837	-2.076471206	0.546175565	down-regulated gene
DENND2A	ENSG00000146966	-2.076855329	3.4738E-12	down-regulated gene
ACSM5	ENSG00000183549	-2.077573442	2.60405E-07	down-regulated gene
LINC02279	ENSG00000258933	-2.077916841	0.15149163	down-regulated gene

ATP2B4	ENSG00000058668	-2.077987015	5.78819E-17	down-regulated gene
MEOX2	ENSG00000106511	-2.078370282	0.000129307	down-regulated gene
RECK	ENSG00000122707	-2.078378821	6.0766E-14	down-regulated gene
KLRB1	ENSG00000111796	-2.0790918	2.47844E-09	down-regulated gene
HSPA12A	ENSG00000165868	-2.079181966	1.53981E-10	down-regulated gene
AC138331.1	ENSG00000258066	-2.080881869	0.001979394	down-regulated gene
ARHGAP6	ENSG00000047648	-2.083184213	5.37427E-07	down-regulated gene
MAFF	ENSG00000185022	-2.083334021	1.38354E-18	down-regulated gene
VSX1	ENSG00000100987	-2.083408868	0.000324146	down-regulated gene
GPER1	ENSG00000164850	-2.08378649	4.25225E-11	down-regulated gene
MUSTN1	ENSG00000272573	-2.08390238	1.01717E-10	down-regulated gene
PDE4B	ENSG00000184588	-2.084829535	9.39927E-10	down-regulated gene
HPGDS	ENSG00000163106	-2.085550696	1.54331E-09	down-regulated gene
GRIK5	ENSG00000105737	-2.086656447	2.96668E-07	down-regulated gene
SCUBE3	ENSG00000146197	-2.087234784	1.88247E-06	down-regulated gene
LINC01779	ENSG00000235933	-2.088010153	0.012387603	down-regulated gene
RPL7P38	ENSG00000239473	-2.089915096	1.3995E-05	down-regulated gene
BDKRB2	ENSG00000168398	-2.090357172	2.24555E-11	down-regulated gene
CD34	ENSG00000174059	-2.091914931	1.37337E-18	down-regulated gene
AC119396.1	ENSG00000263264	-2.093151004	1.61257E-08	down-regulated gene
MTURN	ENSG00000180354	-2.09437286	1.42202E-22	down-regulated gene
RND1	ENSG00000172602	-2.094559716	5.1286E-11	down-regulated gene
MIR548AA2	ENSG00000207688	-2.094751241	2.87607E-07	down-regulated gene
MROH2B	ENSG00000171495	-2.095714855	0.000409635	down-regulated gene
AC109309.1	ENSG00000224513	-2.095871358	0.000123715	down-regulated gene
AL954642.1	ENSG00000237419	-2.096970658	0.001337512	down-regulated gene
NRXN2	ENSG00000110076	-2.098251565	2.39785E-07	down-regulated gene
TAAR6	ENSG00000146383	-2.098426181	0.521702773	down-regulated gene
STXBP6	ENSG00000168952	-2.099860964	1.95986E-05	down-regulated gene
TLN1	ENSG00000137076	-2.100014333	2.01664E-31	down-regulated gene
NAP1L2	ENSG00000186462	-2.101517918	7.66074E-09	down-regulated gene
AC124312.2	ENSG00000257647	-2.102587317	1.98756E-05	down-regulated gene
JAZF1	ENSG00000153814	-2.103826048	2.10125E-16	down-regulated gene
AC103564.1	ENSG00000229203	-2.104033695	0.000422182	down-regulated gene
AC011473.3	ENSG00000268906	-2.104991035	0.053322599	down-regulated gene
GRIK1-AS1	ENSG00000174680	-2.106366541	7.94728E-07	down-regulated gene
AC015722.2	ENSG00000274312	-2.107589055	0.001226671	down-regulated gene
AL353699.1	ENSG00000255480	-2.10891607	0.006666836	down-regulated gene
TMEM252-DT	ENSG00000226337	-2.109409837	0.021416021	down-regulated gene
KCNQ5	ENSG00000185760	-2.109855062	0.000526062	down-regulated gene
ATP5MC1P6	ENSG00000214318	-2.110062265	0.000119642	down-regulated gene
PITX2	ENSG00000164093	-2.110819303	1.27873E-08	down-regulated gene
ENPP3	ENSG00000154269	-2.111381859	1.73724E-07	down-regulated gene
SETBP1	ENSG00000152217	-2.112246047	1.32538E-10	down-regulated gene
TNS2	ENSG00000111077	-2.112329659	1.98249E-21	down-regulated gene
AL109910.2	ENSG00000271820	-2.113629527	0.002239569	down-regulated gene
GYPC	ENSG00000136732	-2.11374956	3.24803E-09	down-regulated gene
LMCD1	ENSG00000071282	-2.11428719	2.7528E-10	down-regulated gene
AC104260.2	ENSG00000280304	-2.114796138	2.59318E-07	down-regulated gene

AC007637.1	ENSG00000256139	-2.11545958	6.32922E-11	down-regulated gene
BX322557.1	ENSG00000229382	-2.116831751	0.257556477	down-regulated gene
AC092810.3	ENSG00000232537	-2.117768595	0.020173305	down-regulated gene
AC108718.1	ENSG00000239941	-2.118087086	0.000484976	down-regulated gene
LINC01894	ENSG00000264345	-2.118257889	0.000284501	down-regulated gene
COLEC12	ENSG00000158270	-2.118422772	1.77211E-06	down-regulated gene
MLIP	ENSG00000146147	-2.118620414	6.94775E-05	down-regulated gene
UBA52P3	ENSG00000243023	-2.119347296	1.15306E-05	down-regulated gene
AC113368.1	ENSG00000270513	-2.120090518	0.006882626	down-regulated gene
CSDC2	ENSG00000172346	-2.120122076	1.1032E-05	down-regulated gene
ZFHX4	ENSG00000091656	-2.120624286	1.37243E-06	down-regulated gene
APBB1	ENSG00000166313	-2.123689725	1.59041E-11	down-regulated gene
OR7E28P	ENSG00000251491	-2.124497375	0.017938627	down-regulated gene
ADRA1A	ENSG00000120907	-2.125758705	0.001770563	down-regulated gene
ARID5A	ENSG00000196843	-2.126531071	1.23114E-21	down-regulated gene
TSHZ3	ENSG00000121297	-2.128300033	3.38093E-10	down-regulated gene
HSPG2	ENSG00000142798	-2.129170087	1.57954E-15	down-regulated gene
PER1	ENSG00000179094	-2.129249109	3.14826E-16	down-regulated gene
AC233701.1	ENSG00000263278	-2.129987161	0.162329708	down-regulated gene
IL17A	ENSG00000112115	-2.131400742	0.016562348	down-regulated gene
KLHL30	ENSG00000168427	-2.132763026	2.54507E-09	down-regulated gene
MEG9	ENSG00000223403	-2.132991664	2.80252E-05	down-regulated gene
ILK	ENSG00000166333	-2.133394502	3.22437E-26	down-regulated gene
HDAC4	ENSG00000068024	-2.134282853	5.2646E-28	down-regulated gene
RTL5	ENSG00000242732	-2.134293719	1.85914E-09	down-regulated gene
CSGALNACT1	ENSG00000147408	-2.135211893	1.50098E-19	down-regulated gene
MYLKP1	ENSG00000228868	-2.136287058	0.001979894	down-regulated gene
LINC02094	ENSG00000227078	-2.137122078	0.000255005	down-regulated gene
RNF122	ENSG00000133874	-2.140438465	1.6947E-23	down-regulated gene
AC073842.1	ENSG00000235077	-2.141119724	2.24031E-05	down-regulated gene
AL355073.1	ENSG00000259483	-2.141990636	0.000683985	down-regulated gene
LEPR	ENSG00000116678	-2.142138547	7.62138E-15	down-regulated gene
RPS17P1	ENSG00000213900	-2.142337629	0.001223983	down-regulated gene
ANKRD29	ENSG00000154065	-2.142760895	1.55892E-06	down-regulated gene
JCAD	ENSG00000165757	-2.143526156	1.78194E-12	down-regulated gene
RCVRN	ENSG00000109047	-2.144095001	3.13511E-07	down-regulated gene
FGFR1	ENSG00000077782	-2.145295694	1.08376E-08	down-regulated gene
CKM	ENSG00000104879	-2.145386118	5.41634E-07	down-regulated gene
PKIG	ENSG00000168734	-2.146279478	6.01034E-19	down-regulated gene
WWTR1	ENSG00000018408	-2.146671107	2.79332E-22	down-regulated gene
MIR22HG	ENSG00000186594	-2.148228464	6.58719E-20	down-regulated gene
CIDEC	ENSG00000187288	-2.150524185	0.008664854	down-regulated gene
TRPA1	ENSG00000104321	-2.151885061	3.62683E-05	down-regulated gene
PPM1L	ENSG00000163590	-2.154887856	2.36363E-15	down-regulated gene
TMEM220	ENSG00000187824	-2.156459162	9.16311E-15	down-regulated gene
DMPK	ENSG00000104936	-2.156991345	4.24055E-29	down-regulated gene
HHIP-AS1	ENSG00000248890	-2.157663527	3.87518E-08	down-regulated gene
BMX	ENSG00000102010	-2.159851127	3.36841E-10	down-regulated gene
HTR2A	ENSG00000102468	-2.161073114	1.6174E-05	down-regulated gene

MROH7-TTC4	ENSG00000271723	-2.161345283	6.52929E-06	down-regulated gene
AC009987.1	ENSG00000231138	-2.163209826	0.140357402	down-regulated gene
AC007193.2	ENSG00000269124	-2.165014405	0.009807612	down-regulated gene
FAXC	ENSG00000146267	-2.165407029	7.76933E-10	down-regulated gene
TUB	ENSG00000166402	-2.16666802	6.76644E-10	down-regulated gene
COL6A5	ENSG00000172752	-2.166817822	7.82052E-05	down-regulated gene
MARGPRE	ENSG00000184350	-2.169709035	0.000264312	down-regulated gene
AC012558.1	ENSG00000226426	-2.172996282	0.04196948	down-regulated gene
AL603840.1	ENSG00000234810	-2.174795643	0.001352036	down-regulated gene
BMERB1	ENSG00000166780	-2.174910534	5.00452E-13	down-regulated gene
LIFR	ENSG00000113594	-2.175111269	1.05074E-09	down-regulated gene
AC016813.1	ENSG00000207258	-2.175831605	0.052463807	down-regulated gene
CRISPLD2	ENSG00000103196	-2.175889886	7.00499E-11	down-regulated gene
AC010976.2	ENSG00000272789	-2.176268856	8.04583E-09	down-regulated gene
AC022898.1	ENSG00000259591	-2.177281057	0.002513726	down-regulated gene
ELN	ENSG00000049540	-2.178500519	2.84387E-07	down-regulated gene
C10orf71	ENSG00000177354	-2.179208328	0.026578237	down-regulated gene
LINC00641	ENSG00000258441	-2.179643799	1.83146E-22	down-regulated gene
KARS1P2	ENSG00000230371	-2.179664317	0.000286471	down-regulated gene
TLR12P	ENSG00000234512	-2.179947942	0.000284361	down-regulated gene
ITPKB	ENSG00000143772	-2.180960976	6.57305E-39	down-regulated gene
LINC01839	ENSG00000227509	-2.181128805	0.254747077	down-regulated gene
ITGA1	ENSG00000213949	-2.182203838	2.29134E-16	down-regulated gene
AC025809.1	ENSG00000267662	-2.182934486	4.19752E-05	down-regulated gene
PCDH20	ENSG00000280165	-2.183804453	0.008455342	down-regulated gene
AC103770.1	ENSG00000254251	-2.184815146	0.003041041	down-regulated gene
NCS1	ENSG00000107130	-2.187332175	5.33143E-20	down-regulated gene
WIF1	ENSG00000156076	-2.188436552	0.01433	down-regulated gene
CNTN4	ENSG00000144619	-2.189221513	2.40481E-09	down-regulated gene
AC025271.4	ENSG00000276772	-2.189302481	2.55717E-05	down-regulated gene
AC009063.3	ENSG00000261103	-2.194076941	0.007302129	down-regulated gene
AC011472.4	ENSG00000273733	-2.19470428	2.4569E-09	down-regulated gene
TSLP	ENSG00000145777	-2.194713058	1.20201E-09	down-regulated gene
AC084880.3	ENSG00000256609	-2.195045044	0.001000452	down-regulated gene
FCER1A	ENSG00000179639	-2.195418127	1.03031E-06	down-regulated gene
SSC5D	ENSG00000179954	-2.195836714	6.86613E-08	down-regulated gene
MAGI2-AS3	ENSG00000234456	-2.196276304	1.9009E-12	down-regulated gene
TGFBR3	ENSG00000069702	-2.19892435	4.80982E-12	down-regulated gene
C1QTNF2	ENSG00000145861	-2.199504689	1.38952E-12	down-regulated gene
AC104985.1	ENSG00000267746	-2.200198066	0.121246274	down-regulated gene
AC011504.1	ENSG00000280061	-2.200240965	0.008948604	down-regulated gene
JUN	ENSG00000177606	-2.202165759	8.00333E-18	down-regulated gene
AL031429.2	ENSG00000269933	-2.202391134	0.000505352	down-regulated gene
BIN1	ENSG00000136717	-2.202649583	3.58116E-11	down-regulated gene
HIPK4	ENSG00000160396	-2.208288122	1.61734E-14	down-regulated gene
LINC02058	ENSG00000248528	-2.208541274	0.133233852	down-regulated gene
AC022893.3	ENSG00000272254	-2.209169714	9.58463E-05	down-regulated gene
RBM38-AS1	ENSG00000218018	-2.209552231	7.11814E-14	down-regulated gene
INMT	ENSG00000241644	-2.210210274	5.09327E-11	down-regulated gene

SEPHS1P6	ENSG00000213938	-2.210872134	2.34767E-07	down-regulated gene
GAS7	ENSG00000007237	-2.211095838	1.30278E-09	down-regulated gene
AC002546.1	ENSG00000267653	-2.212040989	0.004736223	down-regulated gene
TPSB2	ENSG00000197253	-2.214435442	1.83304E-07	down-regulated gene
AP001528.2	ENSG00000280339	-2.21487264	8.20745E-13	down-regulated gene
AC091906.1	ENSG00000248537	-2.216098215	0.000121869	down-regulated gene
AC015845.2	ENSG00000265542	-2.21824305	1.25993E-07	down-regulated gene
NFIX	ENSG00000008441	-2.219405342	1.06719E-18	down-regulated gene
RHOB	ENSG00000143878	-2.220071369	9.2777E-23	down-regulated gene
SLC8A2	ENSG00000118160	-2.220246122	9.60005E-07	down-regulated gene
AL157895.1	ENSG00000233968	-2.222427405	3.72015E-08	down-regulated gene
LINC00924	ENSG00000259134	-2.222584717	1.24162E-08	down-regulated gene
FGF16	ENSG00000196468	-2.223643388	0.001704998	down-regulated gene
LINC01828	ENSG00000235885	-2.224660185	6.01464E-06	down-regulated gene
AC097637.1	ENSG00000173366	-2.226651761	0.000209531	down-regulated gene
GALR1	ENSG00000166573	-2.226676323	0.000424409	down-regulated gene
KRT13	ENSG00000171401	-2.227800825	0.000719703	down-regulated gene
AC018445.2	ENSG00000279397	-2.227940502	0.051696539	down-regulated gene
KLHL13	ENSG00000003096	-2.228257738	1.31444E-08	down-regulated gene
AC106739.1	ENSG00000274092	-2.228705614	1.30521E-13	down-regulated gene
PER2	ENSG00000132326	-2.2302351	1.31826E-29	down-regulated gene
CCDC178	ENSG00000166960	-2.231461325	1.84313E-06	down-regulated gene
CNNM1	ENSG00000119946	-2.232556329	4.33704E-06	down-regulated gene
LY6G6F-LY6G6D	ENSG00000250641	-2.232984557	0.012165465	down-regulated gene
COL4A6	ENSG00000197565	-2.233904646	1.20112E-07	down-regulated gene
LINC01354	ENSG00000231768	-2.235593177	1.25412E-10	down-regulated gene
AP003071.2	ENSG00000261070	-2.236543742	0.035141037	down-regulated gene
DNAJB4	ENSG00000162616	-2.239204457	1.04177E-24	down-regulated gene
AC005064.1	ENSG00000234715	-2.240769876	0.005682992	down-regulated gene
AQP2	ENSG00000167580	-2.241059605	0.009205035	down-regulated gene
LGI4	ENSG00000153902	-2.242425071	1.57023E-12	down-regulated gene
MIR4530	ENSG00000266559	-2.242647576	3.43039E-05	down-regulated gene
SLC25A23	ENSG00000125648	-2.244449296	9.21576E-20	down-regulated gene
DUSP5	ENSG00000138166	-2.244675604	1.7743E-12	down-regulated gene
CASP12	ENSG00000204403	-2.2448302	1.77638E-11	down-regulated gene
AL158055.1	ENSG00000226530	-2.245611807	0.001201098	down-regulated gene
AP003973.2	ENSG00000271390	-2.246029451	2.32679E-08	down-regulated gene
GYS2	ENSG00000111713	-2.246597812	3.2735E-08	down-regulated gene
LINC01896	ENSG00000263146	-2.2468908	0.036266443	down-regulated gene
TBC1D27P	ENSG00000128438	-2.248489665	0.000164458	down-regulated gene
RBMS3	ENSG00000144642	-2.250262489	2.28767E-11	down-regulated gene
BTG2	ENSG00000159388	-2.251092704	7.33284E-14	down-regulated gene
LINC00443	ENSG00000230156	-2.251618198	0.002620314	down-regulated gene
CXCL2	ENSG00000081041	-2.253001203	3.37761E-06	down-regulated gene
TRAJ49	ENSG00000211840	-2.254015178	0.003944475	down-regulated gene
RASL11A	ENSG00000122035	-2.255044417	1.30108E-11	down-regulated gene
AC131097.3	ENSG00000235151	-2.257563805	3.7087E-07	down-regulated gene
DCHS1	ENSG00000166341	-2.258338106	2.66469E-14	down-regulated gene
AC116917.1	ENSG00000224012	-2.258385296	0.08721836	down-regulated gene

AC018445.3	ENSG00000279637	-2.258492901	0.000873946	down-regulated gene
GSTM5	ENSG00000134201	-2.259051178	1.50125E-06	down-regulated gene
CLIC4	ENSG00000169504	-2.259128738	8.16686E-16	down-regulated gene
OR7E99P	ENSG00000250710	-2.261683792	0.085076822	down-regulated gene
COL4A4	ENSG00000081052	-2.263340605	1.59467E-07	down-regulated gene
AC010336.5	ENSG00000269139	-2.26539303	3.31508E-05	down-regulated gene
CDON	ENSG00000064309	-2.265952592	1.51991E-10	down-regulated gene
KCNA2	ENSG00000177301	-2.265955107	7.04834E-05	down-regulated gene
LINC01954	ENSG00000271952	-2.267656081	0.003600627	down-regulated gene
ARMC4	ENSG00000169126	-2.269735426	1.90576E-05	down-regulated gene
SLITRK2	ENSG00000185985	-2.269767962	0.000486524	down-regulated gene
THSD4	ENSG00000187720	-2.269855715	5.20956E-16	down-regulated gene
AC099786.2	ENSG00000224149	-2.269961675	0.007616586	down-regulated gene
PKHD1L1	ENSG00000205038	-2.270773662	1.93075E-06	down-regulated gene
AL355862.1	ENSG00000228289	-2.277940374	0.005914905	down-regulated gene
KCNS2	ENSG00000156486	-2.27881042	3.53034E-07	down-regulated gene
CAP2	ENSG00000112186	-2.281496966	1.25118E-13	down-regulated gene
LINC02618	ENSG00000242104	-2.281723452	1.29133E-05	down-regulated gene
CYBRD1	ENSG00000071967	-2.282575846	6.05115E-13	down-regulated gene
PTGER3	ENSG00000050628	-2.282935077	2.84747E-06	down-regulated gene
OLFML1	ENSG00000183801	-2.283629114	2.79192E-13	down-regulated gene
LINC00402	ENSG00000235532	-2.284741543	0.000301716	down-regulated gene
AC005486.1	ENSG00000243018	-2.28480656	1.55987E-07	down-regulated gene
TRARG1	ENSG00000184811	-2.285130824	0.015490779	down-regulated gene
AL079343.1	ENSG00000262119	-2.288174623	0.001617475	down-regulated gene
ARC	ENSG00000198576	-2.288470382	1.64574E-05	down-regulated gene
A2M	ENSG00000175899	-2.288834521	4.76758E-13	down-regulated gene
AC082651.1	ENSG00000240687	-2.29092552	0.000864592	down-regulated gene
AF186192.1	ENSG00000254533	-2.291477234	3.22909E-06	down-regulated gene
CBLN1	ENSG00000102924	-2.29336504	0.000188026	down-regulated gene
SCN4B	ENSG00000177098	-2.293888483	2.92425E-12	down-regulated gene
RN7SL494P	ENSG00000241175	-2.295612094	0.010587874	down-regulated gene
SRD5A2	ENSG00000277893	-2.297071013	0.0004503	down-regulated gene
MIR99AHG	ENSG00000215386	-2.29858299	8.44066E-07	down-regulated gene
AC015977.1	ENSG00000225378	-2.298584156	0.011152977	down-regulated gene
AL355073.2	ENSG00000275569	-2.29953398	5.77705E-09	down-regulated gene
OLFM1	ENSG00000130558	-2.299691926	9.06043E-08	down-regulated gene
GPR42	ENSG00000126251	-2.302923708	0.000950187	down-regulated gene
KLHL10	ENSG00000161594	-2.304021162	8.44423E-16	down-regulated gene
AC068506.1	ENSG00000278464	-2.304264085	0.013666778	down-regulated gene
PRKCB	ENSG00000166501	-2.305405979	4.73953E-09	down-regulated gene
LINC02351	ENSG00000277987	-2.30712637	0.001257511	down-regulated gene
PABPC5	ENSG00000174740	-2.308962854	2.32995E-09	down-regulated gene
RSPO3	ENSG00000146374	-2.312536599	1.63208E-05	down-regulated gene
KHDRBS2	ENSG00000112232	-2.315903864	0.000146097	down-regulated gene
SSTR1	ENSG00000139874	-2.315937959	3.30065E-05	down-regulated gene
CPA6	ENSG00000165078	-2.318616171	7.80596E-05	down-regulated gene
AL157996.1	ENSG00000280073	-2.319249262	2.981E-05	down-regulated gene
AC069113.2	ENSG00000253397	-2.31970301	0.362800746	down-regulated gene

AP003355.2	ENSG00000272321	-2.320078113	5.06434E-05	down-regulated gene
MXRA7	ENSG00000182534	-2.320580391	1.68507E-23	down-regulated gene
HAAO	ENSG00000162882	-2.320675866	6.16961E-16	down-regulated gene
GPBAR1	ENSG00000179921	-2.321098262	8.1536E-13	down-regulated gene
KCTD8	ENSG00000183783	-2.323621478	0.000109283	down-regulated gene
MATN2	ENSG00000132561	-2.324006838	5.38793E-10	down-regulated gene
PCDH9	ENSG00000184226	-2.324161436	9.25812E-06	down-regulated gene
FOXD3	ENSG00000187140	-2.324376527	6.07438E-05	down-regulated gene
B3GALT2	ENSG00000162630	-2.326555889	5.42007E-06	down-regulated gene
AP001825.1	ENSG00000254787	-2.327388406	0.105742088	down-regulated gene
AC079467.1	ENSG00000250978	-2.328756484	0.027046334	down-regulated gene
TGFB111	ENSG00000140682	-2.329958484	8.34941E-16	down-regulated gene
AC021683.1	ENSG00000267466	-2.330583405	5.58337E-06	down-regulated gene
HSPB2	ENSG00000170276	-2.330963945	2.98309E-11	down-regulated gene
AC117500.1	ENSG00000249926	-2.331123048	0.021463441	down-regulated gene
MIR770	ENSG00000211574	-2.33233802	0.013636101	down-regulated gene
AP005264.7	ENSG00000280302	-2.332484662	1.36385E-06	down-regulated gene
ITGA9	ENSG00000144668	-2.332493656	4.85746E-16	down-regulated gene
NCALD	ENSG00000104490	-2.333002507	1.93021E-15	down-regulated gene
AC134312.6	ENSG00000261816	-2.333261935	0.00114371	down-regulated gene
DAAM2	ENSG00000146122	-2.33418588	3.91256E-14	down-regulated gene
AC009166.1	ENSG00000261238	-2.334336648	0.046126846	down-regulated gene
DAPL1	ENSG00000163331	-2.336212091	0.001294583	down-regulated gene
TLL7	ENSG00000137941	-2.336213832	8.89975E-13	down-regulated gene
ACTA1	ENSG00000143632	-2.337976785	5.88457E-10	down-regulated gene
PELI2	ENSG00000139946	-2.338446759	3.77648E-13	down-regulated gene
MEDAG	ENSG00000102802	-2.338951314	1.89342E-07	down-regulated gene
SUPT20HL1	ENSG00000223731	-2.339268903	0.000129516	down-regulated gene
TP53INP2	ENSG00000078804	-2.341145695	3.37761E-22	down-regulated gene
CRLF2	ENSG00000205755	-2.343050565	8.80831E-09	down-regulated gene
GAS6-DT	ENSG00000272695	-2.343351305	1.06358E-07	down-regulated gene
HDC	ENSG00000140287	-2.343723716	1.46374E-08	down-regulated gene
AL162408.1	ENSG00000229206	-2.344019215	0.307722495	down-regulated gene
AC093642.2	ENSG00000280119	-2.345676613	5.18014E-05	down-regulated gene
AC093627.6	ENSG00000242611	-2.345990167	7.65896E-05	down-regulated gene
GFRA2	ENSG00000168546	-2.347606668	2.13346E-09	down-regulated gene
FBLN2	ENSG00000163520	-2.347615697	2.35442E-09	down-regulated gene
GAS1RR	ENSG00000226237	-2.34859961	9.62713E-08	down-regulated gene
ANXA6	ENSG00000197043	-2.349767321	7.95867E-13	down-regulated gene
CADM2	ENSG00000175161	-2.35147038	0.000343144	down-regulated gene
MEOX1	ENSG00000005102	-2.352685779	7.6754E-09	down-regulated gene
SOX5	ENSG00000134532	-2.354573372	6.56362E-13	down-regulated gene
DHRS7C	ENSG00000184544	-2.354840792	0.044754379	down-regulated gene
EGR2	ENSG00000122877	-2.355563202	1.16368E-10	down-regulated gene
PTGDS	ENSG00000107317	-2.355591126	8.39305E-07	down-regulated gene
KCTD9P4	ENSG00000214264	-2.356801049	3.56673E-06	down-regulated gene
SAMD4A	ENSG00000020577	-2.358462835	1.31279E-16	down-regulated gene
PRICKLE2	ENSG00000163637	-2.359100656	1.3154E-17	down-regulated gene
ALKAL2	ENSG00000189292	-2.359719512	2.72519E-10	down-regulated gene

PDE4D	ENSG00000113448	-2.360524241	4.01838E-23	down-regulated gene
CPA3	ENSG00000163751	-2.362251787	7.74684E-08	down-regulated gene
RSPO1	ENSG00000169218	-2.362423919	1.82555E-06	down-regulated gene
PENK	ENSG00000181195	-2.362848816	0.001987117	down-regulated gene
SLITRK3	ENSG00000121871	-2.364678895	0.002290845	down-regulated gene
SEL1L2	ENSG00000101251	-2.364953147	1.00135E-05	down-regulated gene
AL365181.4	ENSG00000272971	-2.365104353	0.000784522	down-regulated gene
RAMP1	ENSG00000132329	-2.366722412	1.28822E-07	down-regulated gene
MPZ	ENSG00000158887	-2.369594494	3.02616E-17	down-regulated gene
STARD9	ENSG00000159433	-2.370589651	2.73481E-19	down-regulated gene
CLCA4	ENSG00000016602	-2.371040718	0.00074579	down-regulated gene
GPR17	ENSG00000144230	-2.371170249	4.81575E-09	down-regulated gene
IL2	ENSG00000109471	-2.375786445	0.000195889	down-regulated gene
ZNF536	ENSG00000198597	-2.377030601	0.000103142	down-regulated gene
KCNN2	ENSG00000080709	-2.378015408	2.59283E-10	down-regulated gene
TACR1	ENSG00000115353	-2.378113835	6.14313E-08	down-regulated gene
AC008406.3	ENSG00000277619	-2.37857515	2.33314E-06	down-regulated gene
MGARP	ENSG00000137463	-2.379881988	2.38101E-11	down-regulated gene
SNORD116-2	ENSG00000207001	-2.379974736	0.001474129	down-regulated gene
MIR497HG	ENSG00000267532	-2.381319243	1.1109E-17	down-regulated gene
KRT8P47	ENSG00000271647	-2.381759689	0.022692264	down-regulated gene
LINC00865	ENSG00000232229	-2.382041106	2.75068E-15	down-regulated gene
NTF3	ENSG00000185652	-2.382759585	5.75131E-08	down-regulated gene
SLC24A3	ENSG00000185052	-2.385047667	1.01144E-10	down-regulated gene
PLPP3	ENSG00000162407	-2.385998745	7.18666E-29	down-regulated gene
SHH	ENSG00000164690	-2.386934591	0.000587413	down-regulated gene
HSPB2-C11orf52	ENSG00000254445	-2.386936007	0.000305271	down-regulated gene
ADCY2	ENSG00000078295	-2.388206619	5.03783E-07	down-regulated gene
AC005062.1	ENSG00000243004	-2.388323319	1.6457E-12	down-regulated gene
AL157402.1	ENSG00000223881	-2.388557603	0.028966358	down-regulated gene
SDK1-AS1	ENSG00000236708	-2.389351076	9.38395E-07	down-regulated gene
FHL5	ENSG00000112214	-2.389620083	1.43228E-10	down-regulated gene
AC024257.1	ENSG00000258234	-2.390024564	0.000341868	down-regulated gene
AC011247.2	ENSG00000271443	-2.393855229	0.000223012	down-regulated gene
AC092155.1	ENSG00000226622	-2.395106563	0.001444759	down-regulated gene
AC022710.1	ENSG00000259356	-2.395265402	0.01969807	down-regulated gene
FAM163B	ENSG00000196990	-2.395976453	7.16489E-06	down-regulated gene
SOCS3	ENSG00000184557	-2.396626658	1.28424E-15	down-regulated gene
SLC51B	ENSG00000186198	-2.396761638	9.81645E-11	down-regulated gene
AC110048.1	ENSG00000270490	-2.397252427	1.94808E-05	down-regulated gene
MIR4786	ENSG00000264279	-2.397869661	3.00116E-13	down-regulated gene
LDLRAD4-AS1	ENSG00000267690	-2.398176038	0.000578034	down-regulated gene
CKB	ENSG00000166165	-2.399254157	7.09138E-10	down-regulated gene
GATA6-AS1	ENSG00000266010	-2.401323423	5.5367E-09	down-regulated gene
RPS20P22	ENSG00000239218	-2.403708441	2.63925E-05	down-regulated gene
COL21A1	ENSG00000124749	-2.404045687	1.07412E-07	down-regulated gene
LINC00968	ENSG00000246430	-2.40425223	2.4079E-06	down-regulated gene
LDLRAD2	ENSG00000187942	-2.404760233	9.51948E-24	down-regulated gene
PARD3B	ENSG00000116117	-2.405016964	3.18539E-17	down-regulated gene

MS4A2	ENSG00000149534	-2.405443256	1.90866E-09	down-regulated gene
ITGB3	ENSG00000259207	-2.405668454	1.26149E-09	down-regulated gene
RASGRP2	ENSG00000068831	-2.412772848	2.31208E-11	down-regulated gene
NALCN-AS1	ENSG00000233009	-2.415755437	9.91646E-06	down-regulated gene
RASSF3	ENSG00000153179	-2.416238291	2.05236E-33	down-regulated gene
ADGRA2	ENSG00000020181	-2.418478304	4.55262E-15	down-regulated gene
PTGS2	ENSG00000073756	-2.420965825	1.57285E-08	down-regulated gene
AL391261.2	ENSG00000258847	-2.421295784	3.21093E-05	down-regulated gene
PTH1R	ENSG00000160801	-2.422028689	9.2731E-12	down-regulated gene
DPYSL3	ENSG00000113657	-2.422251742	8.35423E-11	down-regulated gene
MYADM	ENSG00000179820	-2.425689028	2.67061E-13	down-regulated gene
MUSK	ENSG00000030304	-2.42647489	1.04476E-07	down-regulated gene
FCN2	ENSG00000160339	-2.427008021	0.00088767	down-regulated gene
VSIG1	ENSG00000101842	-2.428365623	1.18167E-06	down-regulated gene
LINC01985	ENSG00000227260	-2.42947835	0.00066093	down-regulated gene
RORB	ENSG00000198963	-2.431669389	1.44549E-06	down-regulated gene
MAS1LP1	ENSG00000230164	-2.432607887	0.000454054	down-regulated gene
AC008676.1	ENSG00000248544	-2.436196119	3.89593E-11	down-regulated gene
RGR	ENSG00000148604	-2.436262052	0.001134398	down-regulated gene
AC068418.2	ENSG00000265043	-2.436330594	8.82288E-06	down-regulated gene
SPON1	ENSG00000262655	-2.437495642	8.28994E-09	down-regulated gene
AC104123.1	ENSG00000251314	-2.437606298	3.07412E-13	down-regulated gene
PODN	ENSG00000174348	-2.437832227	8.38761E-10	down-regulated gene
CCN5	ENSG00000064205	-2.438043009	6.86205E-06	down-regulated gene
RNF112	ENSG00000128482	-2.438149429	1.96103E-13	down-regulated gene
GPR26	ENSG00000154478	-2.438515049	0.000497606	down-regulated gene
INSYN1	ENSG00000205363	-2.441094106	3.42441E-07	down-regulated gene
SEMA3E	ENSG00000170381	-2.442582182	6.41167E-08	down-regulated gene
AL445307.1	ENSG00000228692	-2.444896318	1.8471E-08	down-regulated gene
LINC01996	ENSG00000261863	-2.446269816	7.81264E-05	down-regulated gene
NHSL2	ENSG00000204131	-2.447105888	6.78703E-10	down-regulated gene
TPSD1	ENSG00000095917	-2.447585627	3.14832E-05	down-regulated gene
DCLK1	ENSG00000133083	-2.447787344	1.19172E-07	down-regulated gene
CACNA2D1	ENSG00000153956	-2.450431685	1.10609E-09	down-regulated gene
AC026904.2	ENSG00000253688	-2.451697844	6.74759E-08	down-regulated gene
CDCA4P2	ENSG00000224466	-2.452477925	0.005191253	down-regulated gene
IGHA2	ENSG00000211890	-2.452811152	3.58862E-05	down-regulated gene
APOLD1	ENSG00000178878	-2.45340907	6.93871E-19	down-regulated gene
AP004609.1	ENSG00000245869	-2.453483385	5.8542E-07	down-regulated gene
GSN	ENSG00000148180	-2.454056877	7.84644E-26	down-regulated gene
AC120498.2	ENSG00000260182	-2.454661662	4.1303E-05	down-regulated gene
DYNC111	ENSG00000158560	-2.454694968	5.2857E-11	down-regulated gene
MYRIP	ENSG00000170011	-2.456243445	1.3725E-08	down-regulated gene
CRYM	ENSG00000103316	-2.456505125	7.77002E-07	down-regulated gene
BVES-AS1	ENSG00000203808	-2.458177106	3.06068E-06	down-regulated gene
CLDN5	ENSG00000184113	-2.46036876	3.54651E-12	down-regulated gene
FNBP1	ENSG00000187239	-2.460936875	6.65242E-31	down-regulated gene
KLF4	ENSG00000136826	-2.461232695	5.14788E-17	down-regulated gene
SRPX	ENSG00000101955	-2.461312293	7.083E-09	down-regulated gene

LINC01489	ENSG00000255727	-2.461425546	2.22126E-05	down-regulated gene
AQP1	ENSG00000240583	-2.463444479	1.07665E-19	down-regulated gene
LINC01877	ENSG00000238217	-2.463806433	9.95641E-06	down-regulated gene
LIPI	ENSG00000188992	-2.464159469	3.75025E-09	down-regulated gene
AL121894.1	ENSG00000225056	-2.46498411	0.000394114	down-regulated gene
GHR	ENSG00000112964	-2.465822014	1.65625E-09	down-regulated gene
PCARE	ENSG00000179270	-2.466382908	2.82618E-05	down-regulated gene
AC107079.1	ENSG00000224844	-2.466414395	1.04806E-08	down-regulated gene
KCNK2	ENSG00000082482	-2.468459092	7.29532E-06	down-regulated gene
EML1	ENSG00000066629	-2.470022187	1.85596E-16	down-regulated gene
GRIK3	ENSG00000163873	-2.470105685	5.39222E-06	down-regulated gene
FBLN5	ENSG00000140092	-2.470333604	1.14866E-14	down-regulated gene
LRRK2	ENSG00000188906	-2.470963771	6.94511E-13	down-regulated gene
GTF2A1L	ENSG00000242441	-2.471856986	4.45053E-06	down-regulated gene
MXRA7P1	ENSG00000232320	-2.475778256	1.1193E-20	down-regulated gene
TPSAB1	ENSG00000172236	-2.477122153	3.29551E-09	down-regulated gene
BRD9P2	ENSG00000249908	-2.478553831	5.22735E-05	down-regulated gene
LAMA4-AS1	ENSG00000226440	-2.480919157	1.15367E-10	down-regulated gene
FAT4	ENSG00000196159	-2.485335865	1.00913E-13	down-regulated gene
TMPRSS11E	ENSG00000087128	-2.486390954	4.66651E-05	down-regulated gene
IER3	ENSG00000137331	-2.487292885	3.95452E-17	down-regulated gene
AP001476.2	ENSG00000226115	-2.48767173	0.016081836	down-regulated gene
MAPK4	ENSG00000141639	-2.488559192	3.41292E-05	down-regulated gene
AL163636.2	ENSG00000259171	-2.49061582	1.78301E-13	down-regulated gene
CCDC136	ENSG00000128596	-2.491091232	1.08598E-15	down-regulated gene
AC105046.1	ENSG00000261026	-2.49120371	6.75787E-09	down-regulated gene
ARHGEF25	ENSG00000240771	-2.491845266	1.88653E-17	down-regulated gene
CRHBP	ENSG00000145708	-2.492683501	1.4815E-09	down-regulated gene
ZNF710-AS1	ENSG00000259291	-2.492924179	2.07487E-24	down-regulated gene
CXCL13	ENSG00000156234	-2.493225648	1.11566E-05	down-regulated gene
AC108861.1	ENSG00000278408	-2.494648732	0.031358655	down-regulated gene
LAMC3	ENSG00000050555	-2.495136254	1.24076E-14	down-regulated gene
TGM5	ENSG00000104055	-2.498252431	3.84062E-06	down-regulated gene
SYNE1	ENSG00000131018	-2.498546878	2.72993E-20	down-regulated gene
KBTBD13	ENSG00000234438	-2.499395499	0.000119459	down-regulated gene
TSPAN2	ENSG00000134198	-2.501880924	3.39801E-11	down-regulated gene
RPS25P3	ENSG00000233416	-2.503029901	1.45256E-10	down-regulated gene
SPATA4	ENSG00000150628	-2.503719451	1.68262E-08	down-regulated gene
SLC8A3	ENSG00000100678	-2.504429559	2.74263E-07	down-regulated gene
AL121821.2	ENSG00000258636	-2.504677643	2.05287E-05	down-regulated gene
MT1A	ENSG00000205362	-2.505471581	3.8219E-05	down-regulated gene
CBX7	ENSG00000100307	-2.505611417	2.11361E-30	down-regulated gene
OR8T1P	ENSG00000226413	-2.505913873	2.3664E-16	down-regulated gene
MIR133A1HG	ENSG00000265142	-2.507494686	4.71861E-05	down-regulated gene
PLCL1	ENSG00000115896	-2.509520461	1.55674E-17	down-regulated gene
GPR15	ENSG00000154165	-2.511217085	2.3574E-05	down-regulated gene
TNFAIP8L3	ENSG00000183578	-2.512605604	5.92767E-11	down-regulated gene
CLDN17	ENSG00000156282	-2.512681745	0.13080678	down-regulated gene
BNC2	ENSG00000173068	-2.513688817	1.38031E-09	down-regulated gene

MYZAP	ENSG00000263155	-2.514677125	4.17881E-14	down-regulated gene
AC092943.1	ENSG00000243116	-2.515805741	0.000136598	down-regulated gene
LTBP4	ENSG00000090006	-2.517311572	6.6739E-22	down-regulated gene
LINC02829	ENSG00000229274	-2.517668014	6.3857E-06	down-regulated gene
RGS5	ENSG00000143248	-2.519881237	7.28029E-14	down-regulated gene
ATP1B2	ENSG00000129244	-2.521128058	8.03507E-16	down-regulated gene
VSTM4	ENSG00000165633	-2.523352897	2.39772E-17	down-regulated gene
AC108448.2	ENSG00000236710	-2.523390208	5.02978E-14	down-regulated gene
AC005884.1	ENSG00000267207	-2.523675748	1.46375E-06	down-regulated gene
GCSAML	ENSG00000169224	-2.523704116	1.66169E-09	down-regulated gene
TMEM108	ENSG00000144868	-2.523830429	4.37157E-08	down-regulated gene
ANTXR2	ENSG00000163297	-2.52710611	3.90792E-19	down-regulated gene
BOC	ENSG00000144857	-2.527182199	1.1087E-09	down-regulated gene
GNAZ	ENSG00000128266	-2.527634592	5.69524E-10	down-regulated gene
AP003117.1	ENSG00000270077	-2.529209016	3.10343E-08	down-regulated gene
LAMA2	ENSG00000196569	-2.535288907	2.79424E-16	down-regulated gene
MFAP5	ENSG00000197614	-2.536457551	1.42256E-05	down-regulated gene
TEX26-AS1	ENSG00000224743	-2.536505263	5.88746E-08	down-regulated gene
GOLGA8VP	ENSG00000259236	-2.537197795	2.68646E-09	down-regulated gene
LINC02147	ENSG00000249797	-2.540116449	3.2396E-05	down-regulated gene
AL136369.2	ENSG00000231496	-2.541312555	0.141850924	down-regulated gene
DLG2	ENSG00000150672	-2.543252612	1.00189E-14	down-regulated gene
MYL3	ENSG00000160808	-2.547149705	7.57264E-09	down-regulated gene
LINC01781	ENSG00000234184	-2.547768889	0.000240247	down-regulated gene
SERPINB11	ENSG00000206072	-2.548031714	0.004750288	down-regulated gene
NACC2	ENSG00000148411	-2.548218428	6.06178E-31	down-regulated gene
EPHA5	ENSG00000145242	-2.548487665	0.000322597	down-regulated gene
CXCR2	ENSG00000180871	-2.548508738	1.99798E-09	down-regulated gene
UBE2V1P15	ENSG00000217680	-2.549368023	0.251014354	down-regulated gene
FGF7	ENSG00000140285	-2.549979332	3.25828E-07	down-regulated gene
C2CD4B	ENSG00000205502	-2.555261395	1.71754E-09	down-regulated gene
DGKG	ENSG00000058866	-2.557062031	1.01975E-11	down-regulated gene
SYNC	ENSG00000162520	-2.557142102	2.90537E-12	down-regulated gene
AL356489.2	ENSG00000260947	-2.557483731	2.38458E-06	down-regulated gene
FP325317.1	ENSG00000277737	-2.557595995	0.00017667	down-regulated gene
EBF1	ENSG00000164330	-2.558137998	9.45564E-16	down-regulated gene
ABCC9	ENSG00000069431	-2.559212768	6.17447E-13	down-regulated gene
ITGA5	ENSG00000161638	-2.5609682	9.29696E-15	down-regulated gene
DUSP2	ENSG00000158050	-2.561243785	3.04269E-10	down-regulated gene
AL731557.1	ENSG00000225936	-2.56262427	3.07854E-06	down-regulated gene
CHD5	ENSG00000116254	-2.563315776	3.73446E-08	down-regulated gene
SLC8A1	ENSG00000183023	-2.565916623	1.07963E-16	down-regulated gene
FKBP1BP1	ENSG00000258536	-2.567469411	0.046043703	down-regulated gene
BDKRB1	ENSG00000100739	-2.571945292	4.2518E-11	down-regulated gene
TMEM196	ENSG00000173452	-2.572969371	0.024044366	down-regulated gene
PDE5A	ENSG00000138735	-2.573308265	5.09486E-18	down-regulated gene
RN7SL124P	ENSG00000242113	-2.575839285	0.000490711	down-regulated gene
SELE	ENSG00000007908	-2.576863162	7.60298E-07	down-regulated gene
NEXMIF	ENSG00000050030	-2.576963532	3.22428E-06	down-regulated gene

AC010680.1	ENSG00000267784	-2.579069746	1.35864E-06	down-regulated gene
EBF2	ENSG00000221818	-2.588470697	1.03402E-11	down-regulated gene
TCEAL7	ENSG00000182916	-2.58873502	1.70652E-13	down-regulated gene
AC137056.1	ENSG00000262995	-2.590209316	0.211497354	down-regulated gene
TNFRSF13B	ENSG00000240505	-2.59225753	1.69101E-05	down-regulated gene
AC006963.1	ENSG00000279587	-2.592879704	2.17475E-07	down-regulated gene
SLIT2-IT1	ENSG00000248228	-2.600213304	0.018116748	down-regulated gene
SCUBE1	ENSG00000159307	-2.602774455	2.00005E-11	down-regulated gene
ABCD2	ENSG00000173208	-2.604328057	1.61878E-10	down-regulated gene
FAM180A	ENSG00000189320	-2.606040384	1.81736E-07	down-regulated gene
MIR202HG	ENSG00000166917	-2.606077493	3.5759E-06	down-regulated gene
SNTG2	ENSG00000172554	-2.606586762	1.88797E-07	down-regulated gene
RGN	ENSG00000130988	-2.607512683	6.31328E-10	down-regulated gene
RNU7-186P	ENSG00000238419	-2.609056874	0.000420875	down-regulated gene
PLIN4	ENSG00000167676	-2.610303546	1.78465E-10	down-regulated gene
STON1	ENSG00000243244	-2.611046958	5.09706E-19	down-regulated gene
LINC01028	ENSG00000267603	-2.613998014	0.022875698	down-regulated gene
NTNG1	ENSG00000162631	-2.61536218	4.84026E-06	down-regulated gene
WFDC1	ENSG00000103175	-2.620496983	1.3781E-15	down-regulated gene
LINC00570	ENSG00000224177	-2.625291822	7.09455E-07	down-regulated gene
LINC01798	ENSG00000232046	-2.626566403	7.13498E-16	down-regulated gene
ANO5	ENSG00000171714	-2.626809275	3.39618E-09	down-regulated gene
ABCC8	ENSG00000006071	-2.62704272	8.8325E-05	down-regulated gene
AL139220.2	ENSG00000230615	-2.628615233	1.27911E-14	down-regulated gene
SPINK7	ENSG00000145879	-2.629809258	0.00020758	down-regulated gene
LINC02517	ENSG00000249145	-2.632856424	0.2653209	down-regulated gene
KCNA1	ENSG00000111262	-2.635432668	0.000718313	down-regulated gene
AL355377.1	ENSG00000273597	-2.635812966	1.6799E-07	down-regulated gene
MYO18B	ENSG00000133454	-2.636167889	1.78877E-06	down-regulated gene
RN7SL265P	ENSG00000241709	-2.636728352	1.39959E-06	down-regulated gene
FBXL7	ENSG00000183580	-2.637363011	3.07402E-18	down-regulated gene
SALL3	ENSG00000256463	-2.637716433	0.00572324	down-regulated gene
KCNQ4	ENSG00000117013	-2.638718703	9.46998E-13	down-regulated gene
MAGEE2	ENSG00000186675	-2.642594688	0.000119086	down-regulated gene
FILIP1L	ENSG00000168386	-2.642732812	2.00053E-16	down-regulated gene
RNF180	ENSG00000164197	-2.645685372	4.58409E-18	down-regulated gene
TSPAN18	ENSG00000157570	-2.647267725	8.48231E-16	down-regulated gene
DCN	ENSG00000011465	-2.650743521	1.12126E-10	down-regulated gene
LRCH2	ENSG00000130224	-2.652782802	7.50875E-14	down-regulated gene
KCNH2	ENSG00000055118	-2.653665786	4.85028E-07	down-regulated gene
ITM2A	ENSG00000078596	-2.654446115	1.12047E-14	down-regulated gene
PTPRD-AS1	ENSG00000225706	-2.656133051	6.36974E-06	down-regulated gene
AQP7P2	ENSG00000181997	-2.656240992	0.001168203	down-regulated gene
LINC01695	ENSG00000236532	-2.657715563	9.69773E-07	down-regulated gene
PTGES3L	ENSG00000267060	-2.658051377	2.86238E-22	down-regulated gene
TCEAL6	ENSG00000204071	-2.658628088	7.30417E-07	down-regulated gene
PKMP3	ENSG00000220563	-2.65949232	3.87629E-19	down-regulated gene
AC005999.1	ENSG00000229403	-2.661343262	0.107883797	down-regulated gene
IL1RAPL1	ENSG00000169306	-2.667772791	1.95717E-06	down-regulated gene

KHDRBS2-OT1	ENSG00000250686	-2.670034489	0.013307258	down-regulated gene
CELF2	ENSG00000048740	-2.671084358	9.26313E-16	down-regulated gene
ALDH1B1	ENSG00000137124	-2.67311602	1.36643E-24	down-regulated gene
CADM3	ENSG00000162706	-2.674229559	6.36268E-05	down-regulated gene
SYPL2	ENSG00000143028	-2.67515255	1.64764E-11	down-regulated gene
TMEM229A	ENSG00000234224	-2.676888099	0.000881587	down-regulated gene
EPHA3	ENSG00000044524	-2.679997049	1.44162E-13	down-regulated gene
LRRK2-DT	ENSG00000225342	-2.681944847	2.68007E-12	down-regulated gene
ZSWIM5P2	ENSG00000231258	-2.682643712	2.07579E-05	down-regulated gene
RUNX1T1	ENSG00000079102	-2.683148794	1.57613E-12	down-regulated gene
ADARB1	ENSG00000197381	-2.684297227	1.39522E-21	down-regulated gene
SLMAP	ENSG00000163681	-2.690222376	3.71502E-46	down-regulated gene
RCAN1	ENSG00000159200	-2.690845182	7.42444E-23	down-regulated gene
AC025265.2	ENSG00000257737	-2.693997581	0.223650667	down-regulated gene
AC104072.1	ENSG00000260878	-2.694864873	0.012776502	down-regulated gene
RXYLT1-AS1	ENSG00000255850	-2.696126841	1.28166E-06	down-regulated gene
RSPO2	ENSG00000147655	-2.697984257	0.000124451	down-regulated gene
BAG2	ENSG00000112208	-2.699559895	8.91651E-20	down-regulated gene
LINC02202	ENSG00000245812	-2.700919401	3.67681E-16	down-regulated gene
ROR1	ENSG00000185483	-2.701065261	5.27334E-12	down-regulated gene
PDE2A	ENSG00000186642	-2.701144961	4.46096E-18	down-regulated gene
AP003071.3	ENSG00000261276	-2.70219327	7.68875E-10	down-regulated gene
JAM2	ENSG00000154721	-2.702250077	3.35652E-19	down-regulated gene
AKAP12	ENSG00000131016	-2.702446363	2.19423E-14	down-regulated gene
HSD17B6	ENSG00000025423	-2.703655422	1.54632E-14	down-regulated gene
CCDC80	ENSG00000091986	-2.704667548	6.76956E-10	down-regulated gene
LYVE1	ENSG00000133800	-2.705378507	3.36869E-08	down-regulated gene
PHYHIP	ENSG00000168490	-2.707527983	9.90685E-10	down-regulated gene
CADM3-AS1	ENSG00000225670	-2.708069957	3.06552E-07	down-regulated gene
HTR1B	ENSG00000135312	-2.708867701	1.98048E-08	down-regulated gene
MYOT	ENSG00000120729	-2.708913185	1.46584E-13	down-regulated gene
AL445423.1	ENSG00000272823	-2.709122387	4.17174E-09	down-regulated gene
RELN	ENSG00000189056	-2.709994363	5.7791E-07	down-regulated gene
AC116345.1	ENSG00000249743	-2.710205542	0.001130335	down-regulated gene
AC074131.1	ENSG00000250831	-2.710877649	0.000892093	down-regulated gene
COX7A1	ENSG00000161281	-2.711000826	9.12464E-18	down-regulated gene
MIR4506	ENSG00000265768	-2.715121489	0.001107193	down-regulated gene
C3orf86	ENSG00000225873	-2.717831103	2.2282E-09	down-regulated gene
ADRA1D	ENSG00000171873	-2.720150367	4.25943E-09	down-regulated gene
MAB21L2	ENSG00000181541	-2.720162635	0.000345131	down-regulated gene
CKMT2	ENSG00000131730	-2.722451596	9.78983E-16	down-regulated gene
GADD45B	ENSG00000099860	-2.723295036	2.54641E-19	down-regulated gene
REGG	ENSG00000134533	-2.723301916	3.88963E-15	down-regulated gene
AC142086.1	ENSG00000214614	-2.724104373	0.127363328	down-regulated gene
CKS1BP1	ENSG00000258788	-2.726563222	2.03987E-11	down-regulated gene
NOVA1	ENSG00000139910	-2.727888569	2.16922E-09	down-regulated gene
ACOX2	ENSG00000168306	-2.728489782	2.9232E-13	down-regulated gene
KLF9	ENSG00000119138	-2.730394555	1.55717E-21	down-regulated gene
MYOZ2	ENSG00000172399	-2.731320211	1.34602E-08	down-regulated gene

EPM2A	ENSG00000112425	-2.732792725	7.40069E-49	down-regulated gene
AC106881.1	ENSG00000271474	-2.735295481	1.92643E-11	down-regulated gene
ITGB1BP2	ENSG00000147166	-2.738198902	2.22053E-24	down-regulated gene
AC084357.3	ENSG00000255583	-2.740743711	0.000242789	down-regulated gene
PKDCC	ENSG00000162878	-2.741985294	2.60556E-08	down-regulated gene
AL133346.1	ENSG00000227220	-2.743657839	1.19518E-06	down-regulated gene
SETP11	ENSG00000239570	-2.744178462	0.003408347	down-regulated gene
KCNK3	ENSG00000171303	-2.745293661	3.97515E-08	down-regulated gene
PART1	ENSG00000152931	-2.747046739	6.52686E-09	down-regulated gene
ZCCHC24	ENSG00000165424	-2.748131708	5.12308E-20	down-regulated gene
AC105271.1	ENSG00000233894	-2.748765791	2.51393E-05	down-regulated gene
SLC25A25	ENSG00000148339	-2.749739666	1.58376E-38	down-regulated gene
C8orf88	ENSG00000253250	-2.752052589	4.14577E-10	down-regulated gene
AC008878.3	ENSG00000268861	-2.754679386	0.001465698	down-regulated gene
SCRG1	ENSG00000164106	-2.755377973	1.28E-05	down-regulated gene
MAPT	ENSG00000186868	-2.756516375	1.94265E-11	down-regulated gene
RORB-AS1	ENSG00000224825	-2.75759082	0.000293451	down-regulated gene
AC026780.2	ENSG00000249984	-2.757924674	0.031157635	down-regulated gene
PDZD4	ENSG00000067840	-2.759138972	8.19471E-11	down-regulated gene
STAB2	ENSG00000136011	-2.759867077	1.5216E-12	down-regulated gene
DNM1P47	ENSG00000259660	-2.760952692	2.43119E-08	down-regulated gene
AL355377.2	ENSG00000279489	-2.761040532	6.6421E-11	down-regulated gene
PRKN	ENSG00000185345	-2.76128969	1.76101E-18	down-regulated gene
MYOM2	ENSG00000036448	-2.763349841	4.09076E-17	down-regulated gene
AP000894.2	ENSG00000265179	-2.764752652	3.43879E-06	down-regulated gene
LINC02078	ENSG00000267719	-2.765232167	4.67541E-11	down-regulated gene
GALNT15	ENSG00000131386	-2.765483122	7.80293E-11	down-regulated gene
LRRN4CL	ENSG00000177363	-2.765621085	6.18387E-15	down-regulated gene
AC005342.1	ENSG00000203593	-2.769371151	5.96089E-07	down-regulated gene
TRBV26OR9-2	ENSG00000231165	-2.769389812	0.001027859	down-regulated gene
LINC01412	ENSG00000232606	-2.770475566	0.000202694	down-regulated gene
AADACL4	ENSG00000204518	-2.771838742	0.000659281	down-regulated gene
MRGPRF-AS1	ENSG00000256508	-2.773877079	2.86918E-09	down-regulated gene
DDR2	ENSG00000162733	-2.775216931	6.30078E-15	down-regulated gene
AL136979.1	ENSG00000227914	-2.777973664	2.58197E-05	down-regulated gene
PRKAA2	ENSG00000162409	-2.779989254	6.40855E-11	down-regulated gene
DCT	ENSG00000080166	-2.781714951	2.70731E-06	down-regulated gene
NXPH3	ENSG00000182575	-2.782922227	7.79586E-13	down-regulated gene
THBS1	ENSG00000137801	-2.78782807	1.32748E-15	down-regulated gene
RAI2	ENSG00000131831	-2.788434636	8.42827E-18	down-regulated gene
ZFPM2	ENSG00000169946	-2.790134916	2.81603E-15	down-regulated gene
AC115099.1	ENSG00000263167	-2.791329912	3.01719E-06	down-regulated gene
LCN10	ENSG00000187922	-2.794680582	5.48241E-05	down-regulated gene
AC009498.1	ENSG00000237271	-2.79656854	0.001957876	down-regulated gene
HHIP	ENSG00000164161	-2.799516107	1.01298E-07	down-regulated gene
JAM3	ENSG00000166086	-2.802612217	2.95553E-20	down-regulated gene
FGF2	ENSG00000138685	-2.803818174	2.78962E-12	down-regulated gene
C4orf54	ENSG00000248713	-2.804948435	1.75108E-05	down-regulated gene
CSRNP1	ENSG00000144655	-2.80519365	2.23923E-34	down-regulated gene

ITPR1	ENSG00000150995	-2.810327869	4.59695E-24	down-regulated gene
FAM138E	ENSG00000248893	-2.810645847	0.204578587	down-regulated gene
FAM189A2	ENSG00000135063	-2.810737345	3.04759E-16	down-regulated gene
SFTPC	ENSG00000168484	-2.812974067	8.70106E-05	down-regulated gene
CCDC69	ENSG00000198624	-2.813511638	8.77215E-25	down-regulated gene
SLIT2	ENSG00000145147	-2.814210893	6.12693E-11	down-regulated gene
AP003071.4	ENSG00000261625	-2.814738166	1.29343E-11	down-regulated gene
GNG7	ENSG00000176533	-2.8147847	1.64685E-17	down-regulated gene
ENPP6	ENSG00000164303	-2.815958824	6.83941E-11	down-regulated gene
ACACB	ENSG00000076555	-2.818222622	1.51985E-24	down-regulated gene
ADCYAP1	ENSG00000141433	-2.818797905	1.8961E-08	down-regulated gene
AC084064.1	ENSG00000261472	-2.82285494	0.000310966	down-regulated gene
AL513217.1	ENSG00000223774	-2.825546108	4.32072E-12	down-regulated gene
LINC00163	ENSG00000234880	-2.828421718	3.85663E-05	down-regulated gene
NT5DC3	ENSG00000111696	-2.828511233	6.50053E-32	down-regulated gene
KLHL33	ENSG00000185271	-2.83941945	5.71103E-06	down-regulated gene
AL513122.2	ENSG00000239593	-2.839535006	8.29034E-07	down-regulated gene
FAXDC2	ENSG00000170271	-2.841557008	2.79994E-24	down-regulated gene
NBEA	ENSG00000172915	-2.84213257	8.06041E-13	down-regulated gene
HBEGF	ENSG00000113070	-2.843051093	1.09936E-18	down-regulated gene
ABRA	ENSG00000174429	-2.844633344	2.62719E-11	down-regulated gene
AC022893.1	ENSG00000253636	-2.845865157	5.18303E-20	down-regulated gene
DMGDH	ENSG00000132837	-2.84766826	2.99813E-27	down-regulated gene
AL606970.4	ENSG00000237987	-2.847795654	0.02903268	down-regulated gene
KCND3	ENSG00000171385	-2.849082927	1.34501E-11	down-regulated gene
SFRP1	ENSG00000104332	-2.856361215	1.91209E-07	down-regulated gene
CACNB4	ENSG00000182389	-2.857848407	1.81517E-11	down-regulated gene
SHISA6	ENSG00000188803	-2.862845462	1.89339E-07	down-regulated gene
MASP1	ENSG00000127241	-2.864900939	7.82162E-10	down-regulated gene
ZSWIM5P3	ENSG00000248958	-2.865059832	0.000736878	down-regulated gene
LDB3	ENSG00000122367	-2.865119888	7.28841E-14	down-regulated gene
NFASC	ENSG00000163531	-2.866598174	1.75087E-18	down-regulated gene
LPP	ENSG00000145012	-2.868354944	5.98509E-35	down-regulated gene
PAMR1	ENSG00000149090	-2.869055961	1.00388E-21	down-regulated gene
SHISA3	ENSG00000178343	-2.869279063	1.07003E-05	down-regulated gene
EPHA6	ENSG00000080224	-2.869815988	2.8304E-07	down-regulated gene
TRPC3	ENSG00000138741	-2.870825832	3.00047E-13	down-regulated gene
GPIHBP1	ENSG00000277494	-2.874240132	2.34142E-12	down-regulated gene
FGF9	ENSG00000102678	-2.876371293	1.40207E-06	down-regulated gene
FERMT2	ENSG00000073712	-2.878560525	6.74524E-21	down-regulated gene
RGS2	ENSG00000116741	-2.878568054	1.4872E-16	down-regulated gene
BVES	ENSG00000112276	-2.881408009	1.16308E-12	down-regulated gene
DNM1P46	ENSG00000182397	-2.882186624	1.56733E-10	down-regulated gene
AC007563.1	ENSG00000229352	-2.882385693	0.005070242	down-regulated gene
C3orf70	ENSG00000187068	-2.88482809	4.29232E-17	down-regulated gene
COL14A1	ENSG00000187955	-2.885611799	3.83026E-14	down-regulated gene
KANK2	ENSG00000197256	-2.885794412	6.82352E-30	down-regulated gene
PTX3	ENSG00000163661	-2.886272314	3.88623E-08	down-regulated gene
GATA6	ENSG00000141448	-2.887366923	6.40763E-16	down-regulated gene

NR4A2	ENSG00000153234	-2.888554153	9.88629E-20	down-regulated gene
LYPLAL1-DT	ENSG00000228063	-2.889525949	2.71985E-11	down-regulated gene
KLF2	ENSG00000127528	-2.893464896	4.16316E-22	down-regulated gene
CDH19	ENSG00000071991	-2.895136011	3.4858E-05	down-regulated gene
AC099786.3	ENSG00000261213	-2.895146549	0.003756227	down-regulated gene
SOX17	ENSG00000164736	-2.898118964	1.59291E-21	down-regulated gene
MTTP	ENSG00000138823	-2.900978159	1.34893E-09	down-regulated gene
LINC00881	ENSG00000241135	-2.902392004	2.5677E-09	down-regulated gene
LCN6	ENSG00000267206	-2.904240387	9.17783E-07	down-regulated gene
FTLP10	ENSG00000250426	-2.905883923	0.014555136	down-regulated gene
LINC00424	ENSG00000226722	-2.908920821	0.096127969	down-regulated gene
PCSK2	ENSG00000125851	-2.910956946	0.000726496	down-regulated gene
EMP1	ENSG00000134531	-2.911645135	6.38394E-19	down-regulated gene
NR4A1AS	ENSG00000259884	-2.914897544	1.36507E-14	down-regulated gene
PRRG3	ENSG00000130032	-2.91827019	3.63458E-10	down-regulated gene
LINC02817	ENSG00000234754	-2.918598704	7.53886E-06	down-regulated gene
C14orf180	ENSG00000184601	-2.920258521	0.001714475	down-regulated gene
DNAJB5	ENSG00000137094	-2.922167134	8.60507E-22	down-regulated gene
ESR1	ENSG00000091831	-2.923026889	1.3417E-12	down-regulated gene
AP005205.1	ENSG00000261627	-2.928446353	0.005041955	down-regulated gene
ZFP36	ENSG00000128016	-2.931738231	2.33469E-25	down-regulated gene
FGF13-AS1	ENSG00000226031	-2.937986632	4.29969E-08	down-regulated gene
CRYGD	ENSG00000118231	-2.93945792	0.002311622	down-regulated gene
AL133166.1	ENSG00000257522	-2.940319831	0.016743626	down-regulated gene
KIAA1210	ENSG00000250423	-2.940480701	4.09344E-07	down-regulated gene
CTSG	ENSG00000100448	-2.941158746	4.83516E-07	down-regulated gene
ITGA7	ENSG00000135424	-2.943704864	4.99444E-16	down-regulated gene
AC127496.3	ENSG00000262313	-2.944191975	3.23372E-06	down-regulated gene
ACTA2-AS1	ENSG00000180139	-2.944850049	5.09321E-13	down-regulated gene
ODF3L1	ENSG00000182950	-2.944885072	2.48017E-16	down-regulated gene
AC016571.1	ENSG00000251405	-2.945886089	3.91263E-11	down-regulated gene
AL135785.1	ENSG00000223716	-2.948464724	0.001252463	down-regulated gene
LINC01324	ENSG00000241767	-2.951093812	0.001518137	down-regulated gene
CTNNA3	ENSG00000183230	-2.952007913	1.07087E-06	down-regulated gene
ZEB1	ENSG00000148516	-2.953570797	2.84035E-22	down-regulated gene
LINC02287	ENSG00000258499	-2.955343671	3.51037E-07	down-regulated gene
SCN2B	ENSG00000149575	-2.958988641	1.51046E-07	down-regulated gene
PRKG1	ENSG00000185532	-2.960471492	5.78832E-17	down-regulated gene
SVIL2P	ENSG00000234814	-2.963970761	2.532E-20	down-regulated gene
GNAL	ENSG00000141404	-2.964829918	3.24306E-21	down-regulated gene
SFRP5	ENSG00000120057	-2.965578293	5.90524E-05	down-regulated gene
OR14L1P	ENSG00000198452	-2.96561091	1.14236E-06	down-regulated gene
LINC01916	ENSG00000264232	-2.966790017	0.257585861	down-regulated gene
CLIP3	ENSG00000105270	-2.969476019	8.2157E-17	down-regulated gene
CPXM2	ENSG00000121898	-2.971310688	5.06337E-12	down-regulated gene
SH3BGR	ENSG00000185437	-2.97331019	1.33768E-34	down-regulated gene
PLCD4	ENSG00000115556	-2.974099005	9.90737E-45	down-regulated gene
SLC7A3	ENSG00000165349	-2.975898478	2.07282E-05	down-regulated gene
FRMD6-AS2	ENSG00000258537	-2.980468904	7.78963E-06	down-regulated gene

SVIL	ENSG00000197321	-2.983264836	1.77476E-31	down-regulated gene
MIR100HG	ENSG00000255248	-2.983587861	1.87299E-13	down-regulated gene
AL356311.1	ENSG00000233823	-2.984404598	0.003341465	down-regulated gene
AL355102.1	ENSG00000258412	-2.984555814	5.40827E-06	down-regulated gene
ADCYAP1R1	ENSG00000078549	-2.986039063	1.32046E-10	down-regulated gene
EPHB1	ENSG00000154928	-2.988086908	6.80675E-13	down-regulated gene
PDE1A	ENSG00000115252	-2.989421579	1.26204E-17	down-regulated gene
ADAMTS4	ENSG00000158859	-2.991742673	1.33819E-16	down-regulated gene
AC092376.2	ENSG00000277954	-2.992877148	1.25948E-14	down-regulated gene
NMRK2	ENSG00000077009	-2.993081457	9.73751E-06	down-regulated gene
SMOC2	ENSG00000112562	-2.996026427	7.42972E-13	down-regulated gene
LINC02731	ENSG00000204241	-3.003243806	1.70878E-14	down-regulated gene
PLAC9	ENSG00000189129	-3.010229987	7.30119E-18	down-regulated gene
LINC00330	ENSG00000235097	-3.011015934	0.000124986	down-regulated gene
OMD	ENSG00000127083	-3.012521242	8.38774E-07	down-regulated gene
CCN1	ENSG00000142871	-3.01262475	2.27059E-18	down-regulated gene
GPM6A	ENSG00000150625	-3.013166389	1.47238E-08	down-regulated gene
ANK2	ENSG00000145362	-3.013820651	3.66032E-11	down-regulated gene
NGF-AS1	ENSG00000228035	-3.015926965	7.98287E-05	down-regulated gene
TBX5	ENSG00000089225	-3.018581385	9.74675E-14	down-regulated gene
RYR3	ENSG00000198838	-3.020525508	6.09942E-31	down-regulated gene
AC119424.1	ENSG00000243384	-3.020676059	6.80324E-07	down-regulated gene
LINC02538	ENSG00000272549	-3.022381315	7.58121E-08	down-regulated gene
NDNF	ENSG00000173376	-3.032351194	1.04687E-10	down-regulated gene
RAB23	ENSG00000112210	-3.03990305	4.49985E-26	down-regulated gene
AC078925.1	ENSG00000256810	-3.054279561	0.000248033	down-regulated gene
CACNA1C	ENSG00000151067	-3.055734681	1.22524E-18	down-regulated gene
AC079313.1	ENSG00000258086	-3.059790485	3.36553E-13	down-regulated gene
RBM24	ENSG00000112183	-3.060615008	1.04722E-09	down-regulated gene
LINC02269	ENSG00000250708	-3.061869549	0.000138678	down-regulated gene
FOXP2	ENSG00000128573	-3.068135558	7.1737E-13	down-regulated gene
AC006007.1	ENSG00000230746	-3.068164908	0.259892163	down-regulated gene
HMGCLL1	ENSG00000146151	-3.06844232	9.97794E-09	down-regulated gene
AC091588.3	ENSG00000266283	-3.068990345	2.29952E-12	down-regulated gene
AL035670.1	ENSG00000236466	-3.070265342	0.004613453	down-regulated gene
MRGPRF	ENSG00000172935	-3.070579366	2.9038E-15	down-regulated gene
CCN2	ENSG00000118523	-3.071335483	5.50313E-16	down-regulated gene
NLGN1	ENSG00000169760	-3.077096495	9.70061E-11	down-regulated gene
GABRG1	ENSG00000163285	-3.082263849	0.001064727	down-regulated gene
LINC00844	ENSG00000237949	-3.08373437	0.0017937	down-regulated gene
PDZRN3	ENSG00000121440	-3.088688821	1.61403E-15	down-regulated gene
TBX4	ENSG00000121075	-3.088724281	3.24716E-10	down-regulated gene
ADAMTS8	ENSG00000134917	-3.089945868	1.43872E-11	down-regulated gene
PLCB4	ENSG00000101333	-3.090881638	5.38391E-15	down-regulated gene
FXYD1	ENSG00000266964	-3.091610755	4.22525E-16	down-regulated gene
FOXF1	ENSG00000103241	-3.093877205	4.23811E-19	down-regulated gene
CABS1	ENSG00000145309	-3.095636767	0.025539773	down-regulated gene
AC084880.1	ENSG00000213144	-3.096294631	4.83725E-16	down-regulated gene
AC126696.2	ENSG00000260466	-3.097133859	7.30122E-08	down-regulated gene

TNNT2	ENSG00000118194	-3.098243728	1.91395E-12	down-regulated gene
RASL12	ENSG00000103710	-3.107134406	1.51184E-19	down-regulated gene
MMRN1	ENSG00000138722	-3.108913948	9.20798E-12	down-regulated gene
LONRF2	ENSG00000170500	-3.108943724	4.99306E-09	down-regulated gene
ASTL	ENSG00000188886	-3.110104818	2.55153E-11	down-regulated gene
IRAG1	ENSG00000072952	-3.112740424	1.36655E-19	down-regulated gene
FOS	ENSG00000170345	-3.116312165	8.25741E-21	down-regulated gene
DUSP1	ENSG00000120129	-3.117299492	1.0208E-21	down-regulated gene
GREM2	ENSG00000180875	-3.1185268	8.00139E-09	down-regulated gene
ZNF728	ENSG00000269067	-3.119225521	5.22436E-05	down-regulated gene
ACKR1	ENSG00000213088	-3.123208545	1.93604E-09	down-regulated gene
SVEP1	ENSG00000165124	-3.123500134	3.84953E-23	down-regulated gene
MYH3	ENSG00000109063	-3.123766804	3.55143E-15	down-regulated gene
CAVIN2-AS1	ENSG00000233766	-3.124516459	1.42586E-06	down-regulated gene
PID1	ENSG00000153823	-3.125509536	2.52121E-17	down-regulated gene
GABRA4	ENSG00000109158	-3.125651801	0.001281916	down-regulated gene
MAP3K20	ENSG00000091436	-3.129235448	2.26328E-32	down-regulated gene
LRRTM1	ENSG00000162951	-3.132169455	3.40506E-05	down-regulated gene
HAS1	ENSG00000105509	-3.13419287	3.30403E-07	down-regulated gene
GPRASP1	ENSG00000198932	-3.136067716	2.47676E-27	down-regulated gene
CCDC27	ENSG00000162592	-3.142857536	7.42133E-09	down-regulated gene
AC134312.3	ENSG00000260166	-3.143172622	2.05617E-07	down-regulated gene
MFAP4	ENSG00000166482	-3.146204789	2.06708E-13	down-regulated gene
PRAC1	ENSG00000159182	-3.147972765	0.002634658	down-regulated gene
C11orf96	ENSG00000187479	-3.151230291	1.12536E-17	down-regulated gene
P2RY14	ENSG00000174944	-3.153688501	8.6854E-21	down-regulated gene
AP000802.1	ENSG00000247416	-3.154066461	1.00546E-05	down-regulated gene
SRL	ENSG00000185739	-3.154529038	1.09254E-18	down-regulated gene
CACNA1C-IT2	ENSG00000256257	-3.156557402	6.5544E-07	down-regulated gene
TENT5B	ENSG00000158246	-3.1604351	3.8912E-13	down-regulated gene
SPARCL1	ENSG00000152583	-3.162733935	8.27203E-22	down-regulated gene
SLIT3	ENSG00000184347	-3.163307043	7.14446E-19	down-regulated gene
DCHS2	ENSG00000197410	-3.163397927	2.57949E-09	down-regulated gene
CNTN1	ENSG00000018236	-3.163836863	2.31971E-08	down-regulated gene
AC051649.1	ENSG00000249086	-3.164637086	6.48429E-05	down-regulated gene
AC120498.10	ENSG00000277010	-3.165701392	1.85809E-11	down-regulated gene
CACNB2	ENSG00000165995	-3.168233357	2.23661E-20	down-regulated gene
ANGPTL1	ENSG00000116194	-3.169121538	3.05155E-09	down-regulated gene
TPM2	ENSG00000198467	-3.170277659	1.56277E-17	down-regulated gene
TMEM100	ENSG00000166292	-3.179619082	7.93988E-12	down-regulated gene
ATF3	ENSG00000162772	-3.180338165	1.82807E-18	down-regulated gene
PALLD	ENSG00000129116	-3.180487111	6.59659E-26	down-regulated gene
AC015540.1	ENSG00000274682	-3.182806755	3.80968E-05	down-regulated gene
PPP1R14A	ENSG00000167641	-3.183895416	2.29496E-19	down-regulated gene
MAP1A	ENSG00000166963	-3.187762805	2.56791E-18	down-regulated gene
CILP	ENSG00000138615	-3.189083869	1.02414E-07	down-regulated gene
NR3C2	ENSG00000151623	-3.192740957	5.93355E-16	down-regulated gene
AC106895.2	ENSG00000251216	-3.194118523	3.46968E-06	down-regulated gene
RGS22	ENSG00000132554	-3.194145438	3.02495E-13	down-regulated gene

ADAM33	ENSG00000149451	-3.195233361	4.42513E-14	down-regulated gene
AC010551.2	ENSG00000260530	-3.195815002	3.5365E-05	down-regulated gene
LINC01352	ENSG00000238078	-3.197961756	9.86125E-14	down-regulated gene
HSPB8	ENSG00000152137	-3.201599339	3.19426E-14	down-regulated gene
SPEG	ENSG00000072195	-3.202145604	2.80042E-14	down-regulated gene
PLA2G5	ENSG00000127472	-3.206615535	6.39577E-13	down-regulated gene
HIF3A	ENSG00000124440	-3.20695104	1.83017E-09	down-regulated gene
AC026469.1	ENSG00000275088	-3.211076478	8.61275E-16	down-regulated gene
CALD1	ENSG00000122786	-3.211912752	1.59597E-23	down-regulated gene
AC016769.1	ENSG00000213642	-3.212308063	2.60129E-10	down-regulated gene
JAZF1-AS1	ENSG00000234336	-3.212756324	2.11719E-15	down-regulated gene
CCL14	ENSG00000276409	-3.214851542	2.51796E-10	down-regulated gene
GEM	ENSG00000164949	-3.215571225	3.25888E-17	down-regulated gene
KCNJ3	ENSG00000162989	-3.216573038	2.93947E-06	down-regulated gene
AC134312.4	ENSG00000261193	-3.218179318	3.2183E-09	down-regulated gene
GFRA1	ENSG00000151892	-3.221102522	4.41087E-10	down-regulated gene
CHRD1	ENSG00000101938	-3.221508739	1.63599E-06	down-regulated gene
PDLIM3	ENSG00000154553	-3.221628749	3.12281E-14	down-regulated gene
AC079907.2	ENSG00000258308	-3.222785242	2.76149E-08	down-regulated gene
DIXDC1	ENSG00000150764	-3.223300495	4.9934E-27	down-regulated gene
NECAB1	ENSG00000123119	-3.224212406	5.51574E-16	down-regulated gene
PRIMA1	ENSG00000175785	-3.231911728	1.30486E-09	down-regulated gene
MAS1L	ENSG00000204687	-3.232950556	0.000105262	down-regulated gene
LINC02884	ENSG00000231246	-3.239309524	7.51627E-13	down-regulated gene
AC011239.2	ENSG00000279526	-3.240169856	4.14554E-17	down-regulated gene
DACT3	ENSG00000197380	-3.240794934	4.05065E-16	down-regulated gene
LINC02268	ENSG00000248174	-3.24188371	1.62672E-09	down-regulated gene
KLHL40	ENSG00000157119	-3.242131958	6.00772E-05	down-regulated gene
MKX	ENSG00000150051	-3.247701189	1.43775E-10	down-regulated gene
CMA1	ENSG00000092009	-3.248627727	1.80261E-06	down-regulated gene
C5orf66-AS1	ENSG00000249082	-3.248948099	1.01574E-10	down-regulated gene
NKAPL	ENSG00000189134	-3.252482116	6.56923E-23	down-regulated gene
AC007671.1	ENSG00000274624	-3.254866831	1.85108E-12	down-regulated gene
AC011530.1	ENSG00000268434	-3.260022932	5.9997E-18	down-regulated gene
IL13	ENSG00000169194	-3.261257884	5.53928E-11	down-regulated gene
MEF2C-AS1	ENSG00000248309	-3.263554748	8.02888E-16	down-regulated gene
LGI1	ENSG00000108231	-3.264206301	6.78688E-06	down-regulated gene
SOBP	ENSG00000112320	-3.26625018	3.44914E-23	down-regulated gene
RCAN2	ENSG00000172348	-3.266349222	4.26341E-25	down-regulated gene
RPL10P7	ENSG00000242052	-3.270317704	2.26854E-18	down-regulated gene
MT1JP	ENSG00000255986	-3.270913598	1.0938E-06	down-regulated gene
TPSG1	ENSG00000116176	-3.275700202	6.73894E-17	down-regulated gene
SACS-AS1	ENSG00000229558	-3.275946504	2.59266E-06	down-regulated gene
CHRM3	ENSG00000133019	-3.276451072	1.10996E-11	down-regulated gene
AC025594.1	ENSG00000224163	-3.282422822	0.000145641	down-regulated gene
TSHB	ENSG00000134200	-3.28497552	2.20116E-09	down-regulated gene
SGCD	ENSG00000170624	-3.288063735	2.97969E-13	down-regulated gene
ADGRB3	ENSG00000135298	-3.290130196	1.4404E-09	down-regulated gene
ARHGAP20	ENSG00000137727	-3.29183633	3.77929E-19	down-regulated gene

AF186192.2	ENSG00000255085	-3.292412591	1.11902E-12	down-regulated gene
MICU3	ENSG00000155970	-3.294847019	3.81628E-22	down-regulated gene
CCL2	ENSG00000108691	-3.296111232	5.44667E-17	down-regulated gene
MIR222	ENSG00000207725	-3.296502768	1.5398E-05	down-regulated gene
MAOB	ENSG00000069535	-3.297362493	1.56668E-11	down-regulated gene
CH25H	ENSG00000138135	-3.301306673	8.67529E-19	down-regulated gene
AC105398.1	ENSG00000229224	-3.305191601	0.001502055	down-regulated gene
CGNL1	ENSG00000128849	-3.306677079	8.91925E-24	down-regulated gene
TCEAL2	ENSG00000184905	-3.306940662	2.99769E-07	down-regulated gene
NCAM1-AS1	ENSG00000227487	-3.308539369	0.000244885	down-regulated gene
EPHA7	ENSG00000135333	-3.310085879	6.38608E-12	down-regulated gene
AC078925.3	ENSG00000279993	-3.311336528	0.000113278	down-regulated gene
PPP1R1A	ENSG00000135447	-3.312419384	6.24488E-09	down-regulated gene
ADCY5	ENSG00000173175	-3.312992196	3.85366E-13	down-regulated gene
CFL2	ENSG00000165410	-3.315004103	2.17867E-34	down-regulated gene
AL021408.1	ENSG00000236166	-3.315190597	1.96919E-12	down-regulated gene
AL669970.3	ENSG00000228877	-3.31540557	1.18492E-11	down-regulated gene
ASPA	ENSG00000108381	-3.320128487	6.6664E-14	down-regulated gene
PRDM6	ENSG00000061455	-3.32963497	2.71068E-18	down-regulated gene
HLX-AS1	ENSG00000257551	-3.329720998	3.30277E-11	down-regulated gene
SMTN	ENSG00000183963	-3.331855587	2.04718E-40	down-regulated gene
FLNA	ENSG00000196924	-3.332351668	3.26262E-25	down-regulated gene
LRFN5	ENSG00000165379	-3.33358201	2.76622E-11	down-regulated gene
LINC01765	ENSG00000233730	-3.333638947	2.27384E-12	down-regulated gene
TAGLN	ENSG00000149591	-3.333677554	1.17441E-15	down-regulated gene
ANKS1B	ENSG00000185046	-3.333919898	1.12265E-13	down-regulated gene
AC087521.1	ENSG00000244953	-3.334227337	2.27283E-19	down-regulated gene
AC016769.3	ENSG00000235349	-3.338195472	8.85984E-10	down-regulated gene
MAP1B	ENSG00000131711	-3.342761145	3.80985E-19	down-regulated gene
MIR221	ENSG00000207870	-3.343231621	1.91463E-13	down-regulated gene
HMGN2P19	ENSG00000229367	-3.344104154	4.24796E-12	down-regulated gene
KCNA5	ENSG00000130037	-3.345319989	4.89214E-15	down-regulated gene
AC117489.1	ENSG00000278934	-3.347209377	7.37793E-11	down-regulated gene
TMEM35A	ENSG00000126950	-3.350170102	6.55346E-10	down-regulated gene
AC040168.1	ENSG00000246379	-3.350244408	5.74381E-10	down-regulated gene
RYR2	ENSG00000198626	-3.351612416	8.81506E-15	down-regulated gene
AL445465.2	ENSG00000238156	-3.35356421	0.00036928	down-regulated gene
BCHE	ENSG00000114200	-3.354353328	4.30176E-10	down-regulated gene
FAM138B	ENSG00000226516	-3.357468493	0.000432539	down-regulated gene
AC134312.1	ENSG00000205037	-3.357576526	7.40259E-12	down-regulated gene
BX640514.1	ENSG00000264490	-3.360108522	0.001646665	down-regulated gene
PGR	ENSG00000082175	-3.360455284	1.9775E-18	down-regulated gene
SBSPON	ENSG00000164764	-3.370103417	1.76125E-15	down-regulated gene
BMP5	ENSG00000112175	-3.371508222	2.82857E-09	down-regulated gene
KY	ENSG00000174611	-3.373491938	3.43813E-17	down-regulated gene
AL160412.1	ENSG00000277270	-3.375730185	0.000118782	down-regulated gene
ACTA2	ENSG00000107796	-3.378389119	8.83332E-18	down-regulated gene
LINC00670	ENSG00000179136	-3.388271442	1.10154E-11	down-regulated gene
ABI3BP	ENSG00000154175	-3.389283438	1.57459E-17	down-regulated gene

TRIM63	ENSG00000158022	-3.390572453	3.65172E-09	down-regulated gene
NEXN	ENSG00000162614	-3.391515716	3.07823E-22	down-regulated gene
AC004637.1	ENSG00000267304	-3.393609188	1.72918E-09	down-regulated gene
AC121758.2	ENSG00000258679	-3.394874211	9.92283E-16	down-regulated gene
SMPX	ENSG00000091482	-3.404061044	8.48064E-09	down-regulated gene
ADAMTS1	ENSG00000154734	-3.409085438	1.28032E-24	down-regulated gene
AL136366.1	ENSG00000225472	-3.409603126	1.28902E-09	down-regulated gene
AC108156.1	ENSG00000249752	-3.412975053	0.000119065	down-regulated gene
LINC00561	ENSG00000261206	-3.413329677	0.000305062	down-regulated gene
AGTR1	ENSG00000144891	-3.422972771	2.96034E-11	down-regulated gene
CSRP1	ENSG00000159176	-3.423108609	1.95632E-39	down-regulated gene
OTC	ENSG00000036473	-3.426560602	0.000105634	down-regulated gene
HAND2	ENSG00000164107	-3.426571483	2.25149E-12	down-regulated gene
ABCA8	ENSG00000141338	-3.426715355	2.83981E-14	down-regulated gene
ITGA8	ENSG00000077943	-3.427008249	3.14124E-24	down-regulated gene
PTGIS	ENSG00000124212	-3.433831586	8.69279E-11	down-regulated gene
CARMN	ENSG00000249669	-3.435498446	8.20065E-13	down-regulated gene
TPPP	ENSG00000171368	-3.436450482	7.66601E-20	down-regulated gene
AC025280.1	ENSG00000260859	-3.436838147	7.44773E-07	down-regulated gene
LINC02489	ENSG00000255007	-3.437757089	2.1539E-09	down-regulated gene
LIMS2	ENSG00000072163	-3.442209438	1.17998E-24	down-regulated gene
DPT	ENSG00000143196	-3.4446741	1.2268E-08	down-regulated gene
EGR1	ENSG00000120738	-3.449028482	1.76955E-26	down-regulated gene
CD300LG	ENSG00000161649	-3.451982914	9.52358E-09	down-regulated gene
PMP2	ENSG00000147588	-3.455365675	5.08266E-07	down-regulated gene
AL132642.1	ENSG00000258987	-3.457466653	1.38108E-09	down-regulated gene
FXYD6	ENSG00000137726	-3.458485264	4.03417E-16	down-regulated gene
ARSF	ENSG00000062096	-3.468108539	6.67945E-08	down-regulated gene
AC098798.1	ENSG00000250511	-3.479538319	2.06107E-08	down-regulated gene
CPEB1	ENSG00000214575	-3.479677492	3.67955E-16	down-regulated gene
AOC3	ENSG00000131471	-3.481683421	1.19598E-19	down-regulated gene
PGM5P3-AS1	ENSG00000277631	-3.484457442	5.02712E-08	down-regulated gene
CSF3	ENSG00000108342	-3.488862826	5.69776E-07	down-regulated gene
FAIM2	ENSG00000135472	-3.490379829	2.05266E-12	down-regulated gene
RERGL	ENSG00000111404	-3.492061255	1.98489E-11	down-regulated gene
TPM1	ENSG00000140416	-3.498905101	7.88748E-32	down-regulated gene
GDF10	ENSG00000266524	-3.500694187	8.51427E-10	down-regulated gene
VIPR2	ENSG00000106018	-3.50468254	1.07048E-14	down-regulated gene
AC053503.3	ENSG00000234638	-3.505044327	4.48683E-05	down-regulated gene
AC073862.4	ENSG00000279976	-3.507195565	9.75001E-05	down-regulated gene
INMT-MINDY4	ENSG00000254959	-3.508905667	5.84085E-10	down-regulated gene
DOK6	ENSG00000206052	-3.513691829	7.26629E-16	down-regulated gene
AC036108.2	ENSG00000261054	-3.513811305	9.00623E-19	down-regulated gene
GNAO1	ENSG00000087258	-3.516178927	2.91484E-16	down-regulated gene
AC069133.1	ENSG00000253762	-3.518032115	0.005374041	down-regulated gene
IL6	ENSG00000136244	-3.518135581	1.83309E-10	down-regulated gene
AC027807.2	ENSG00000274128	-3.523640092	2.13248E-10	down-regulated gene
AC099754.1	ENSG00000225386	-3.527772488	0.004582924	down-regulated gene
ASB2	ENSG00000100628	-3.531624554	9.84086E-19	down-regulated gene

HMGB3P5	ENSG00000237642	-3.532613469	2.73155E-06	down-regulated gene
SYNE1-AS1	ENSG00000234577	-3.532666373	6.74185E-11	down-regulated gene
PTGFR	ENSG00000122420	-3.535901176	1.2968E-13	down-regulated gene
AL135927.1	ENSG00000252236	-3.537853744	0.001370048	down-regulated gene
FSHR	ENSG00000170820	-3.543526225	0.000432591	down-regulated gene
LINC00702	ENSG00000233117	-3.54662567	2.22187E-15	down-regulated gene
AC092422.1	ENSG00000237838	-3.547278356	3.47944E-05	down-regulated gene
AC007403.1	ENSG00000223859	-3.548429213	0.004098498	down-regulated gene
RXRG	ENSG00000143171	-3.548878584	4.29163E-10	down-regulated gene
AC007920.1	ENSG00000198491	-3.554398865	1.10784E-07	down-regulated gene
STON1-GTF2A1L	ENSG00000068781	-3.560648684	2.70375E-13	down-regulated gene
AC004690.2	ENSG00000241345	-3.562094263	0.001182229	down-regulated gene
FBXL22	ENSG00000197361	-3.567375312	3.17093E-27	down-regulated gene
GALNT17	ENSG00000185274	-3.567970778	1.427E-12	down-regulated gene
FGL2	ENSG00000127951	-3.568378943	1.0468E-20	down-regulated gene
JPH2	ENSG00000149596	-3.579631961	2.35877E-16	down-regulated gene
IGSF9B	ENSG00000080854	-3.580828622	1.00458E-17	down-regulated gene
MUC21	ENSG00000204544	-3.582987115	2.59959E-06	down-regulated gene
PDK4	ENSG00000004799	-3.586282478	1.81819E-18	down-regulated gene
RNF150	ENSG00000170153	-3.597115438	3.92786E-21	down-regulated gene
ITIH5	ENSG00000123243	-3.598690604	2.25611E-23	down-regulated gene
C1QTNF9	ENSG00000240654	-3.604762226	3.03377E-11	down-regulated gene
TMOD1	ENSG00000136842	-3.605130995	5.17781E-18	down-regulated gene
PLPPR4	ENSG00000117600	-3.608304199	5.07991E-24	down-regulated gene
MSRB3	ENSG00000174099	-3.60881926	6.0161E-22	down-regulated gene
LINC02334	ENSG00000274317	-3.612147782	5.83734E-17	down-regulated gene
AOX1	ENSG00000138356	-3.61359666	9.54834E-14	down-regulated gene
LMX1A	ENSG00000162761	-3.614305625	2.51796E-05	down-regulated gene
NRXN1	ENSG00000179915	-3.616417762	4.51947E-07	down-regulated gene
KCNE4	ENSG00000152049	-3.623897373	1.79493E-21	down-regulated gene
CACNA1H	ENSG00000196557	-3.629197507	2.00175E-22	down-regulated gene
XKR4	ENSG00000206579	-3.633223788	1.13653E-08	down-regulated gene
MAMDC2	ENSG00000165072	-3.639970294	2.24651E-16	down-regulated gene
PRLHR	ENSG00000119973	-3.642989539	1.16449E-08	down-regulated gene
NCAM1	ENSG00000149294	-3.646025183	1.17023E-10	down-regulated gene
RAB9B	ENSG00000123570	-3.647064259	1.85762E-26	down-regulated gene
VSTM2A-OT1	ENSG00000224223	-3.654935678	0.000142831	down-regulated gene
IGSF10	ENSG00000152580	-3.661671881	1.09354E-10	down-regulated gene
AC092667.1	ENSG00000230393	-3.664343574	1.5461E-06	down-regulated gene
SGCA	ENSG00000108823	-3.664698711	1.53502E-13	down-regulated gene
F10	ENSG00000126218	-3.670790278	5.70948E-23	down-regulated gene
SORBS2	ENSG00000154556	-3.681271826	2.4691E-22	down-regulated gene
DCAF12L1	ENSG00000198889	-3.695842684	0.000210529	down-regulated gene
ABCB5	ENSG00000004846	-3.696382613	1.34038E-08	down-regulated gene
CFD	ENSG00000197766	-3.705894477	8.49554E-22	down-regulated gene
RBPMS2	ENSG00000166831	-3.712953919	2.5281E-21	down-regulated gene
ELANE	ENSG00000197561	-3.713372209	1.88658E-13	down-regulated gene
XPNPEP2	ENSG00000122121	-3.718674397	8.36837E-10	down-regulated gene
ZBTB16	ENSG00000109906	-3.723246679	9.08525E-14	down-regulated gene

HMCN2	ENSG00000148357	-3.725480329	3.30219E-20	down-regulated gene
AP000892.4	ENSG00000280143	-3.728248687	5.76949E-18	down-regulated gene
EGR3	ENSG00000179388	-3.732145735	8.32356E-22	down-regulated gene
METTL24	ENSG00000053328	-3.732643572	5.08732E-18	down-regulated gene
KLF17	ENSG00000171872	-3.734127164	7.08775E-09	down-regulated gene
PRELP	ENSG00000188783	-3.735275162	7.95518E-17	down-regulated gene
FENDRR	ENSG00000268388	-3.738797896	8.48721E-17	down-regulated gene
AC002398.2	ENSG00000267328	-3.746138438	9.66061E-08	down-regulated gene
VEGFD	ENSG00000165197	-3.747369259	7.49436E-19	down-regulated gene
CPNE6	ENSG00000100884	-3.749537442	1.90468E-09	down-regulated gene
C1QTNF7	ENSG00000163145	-3.749980275	3.72185E-22	down-regulated gene
CAMK2A	ENSG00000070808	-3.756223053	2.18348E-15	down-regulated gene
CRYAB	ENSG00000109846	-3.758208515	3.34632E-20	down-regulated gene
AL355612.1	ENSG00000271945	-3.774986007	0.009705694	down-regulated gene
AC087516.2	ENSG00000259737	-3.776138407	6.4758E-08	down-regulated gene
HPSE2	ENSG00000172987	-3.780835204	2.59611E-10	down-regulated gene
FBXL21P	ENSG00000164616	-3.784431637	0.001062383	down-regulated gene
FGF10-AS1	ENSG00000248464	-3.787406607	7.00331E-06	down-regulated gene
ADRB3	ENSG00000188778	-3.787615747	1.17399E-10	down-regulated gene
LINC01532	ENSG00000267014	-3.790331716	7.9148E-05	down-regulated gene
FOSB	ENSG00000125740	-3.79198691	9.51459E-18	down-regulated gene
AC135012.2	ENSG00000268078	-3.794710617	2.07888E-11	down-regulated gene
AC078925.2	ENSG00000279128	-3.799261441	0.000220338	down-regulated gene
PCOLCE2	ENSG00000163710	-3.802450941	3.17061E-15	down-regulated gene
SCN7A	ENSG00000136546	-3.809863281	3.38008E-09	down-regulated gene
AC092376.1	ENSG00000261722	-3.812298971	1.85034E-08	down-regulated gene
AC110491.1	ENSG00000261292	-3.815994226	9.85361E-08	down-regulated gene
NIBAN1	ENSG00000135842	-3.817198649	1.2541E-29	down-regulated gene
LINC01081	ENSG00000268754	-3.818099801	1.8193E-11	down-regulated gene
LMO3	ENSG00000048540	-3.81883677	6.08475E-16	down-regulated gene
LINC01778	ENSG00000223382	-3.819953643	5.50983E-16	down-regulated gene
PDE1C	ENSG00000154678	-3.823426518	8.01308E-22	down-regulated gene
AC073862.2	ENSG00000279581	-3.834046243	2.80267E-08	down-regulated gene
LRRC2	ENSG00000163827	-3.835359551	1.35608E-16	down-regulated gene
NR4A1	ENSG00000123358	-3.835628459	2.28721E-25	down-regulated gene
CMTM5	ENSG00000166091	-3.837281865	1.81966E-17	down-regulated gene
AL162424.1	ENSG00000269970	-3.838168436	3.49537E-14	down-regulated gene
AC021546.1	ENSG00000254041	-3.842176848	4.03768E-09	down-regulated gene
HSPB7	ENSG00000173641	-3.851314787	4.15285E-13	down-regulated gene
CAVIN2	ENSG00000168497	-3.853609693	1.27499E-23	down-regulated gene
GATA5	ENSG00000130700	-3.859066446	1.18162E-09	down-regulated gene
AKAP6	ENSG00000151320	-3.861201603	2.36282E-23	down-regulated gene
KCNIP1-OT1	ENSG00000253647	-3.863595261	2.6612E-12	down-regulated gene
MIR4269	ENSG00000265215	-3.874486044	4.42819E-05	down-regulated gene
MIR23A	ENSG00000207980	-3.876893943	5.18878E-19	down-regulated gene
MIR1-1HG	ENSG00000174407	-3.877148329	4.83205E-08	down-regulated gene
AFF3	ENSG00000144218	-3.881197582	2.42579E-16	down-regulated gene
RHAG	ENSG00000112077	-3.882373477	1.60313E-06	down-regulated gene
NR4A3	ENSG00000119508	-3.882465123	2.18546E-20	down-regulated gene

TARID	ENSG00000227954	-3.892249871	4.14675E-19	down-regulated gene
DMD	ENSG00000198947	-3.893589513	1.52069E-22	down-regulated gene
ANGPTL5	ENSG00000187151	-3.896553394	3.62776E-11	down-regulated gene
PSD	ENSG00000059915	-3.908016372	9.22092E-24	down-regulated gene
CLEC3A	ENSG00000166509	-3.908179229	1.85129E-05	down-regulated gene
STUM	ENSG00000203685	-3.922632174	2.5258E-12	down-regulated gene
NTRK3	ENSG00000140538	-3.922980433	1.74425E-15	down-regulated gene
REEP1	ENSG00000068615	-3.924606249	7.34154E-16	down-regulated gene
MYL9	ENSG00000101335	-3.926745214	3.73656E-23	down-regulated gene
DGKB	ENSG00000136267	-3.942960718	1.85288E-10	down-regulated gene
KCNMB1	ENSG00000145936	-3.946876894	1.06252E-20	down-regulated gene
LMOD3	ENSG00000163380	-3.947082761	7.33373E-43	down-regulated gene
FGF6	ENSG00000111241	-3.948150999	0.000408543	down-regulated gene
FGF10	ENSG00000070193	-3.954362089	3.02369E-10	down-regulated gene
SGCG	ENSG00000102683	-3.956210791	4.48925E-11	down-regulated gene
LINC01799	ENSG00000230525	-3.965714194	1.86729E-11	down-regulated gene
AL139220.1	ENSG00000227163	-3.97221711	2.36091E-07	down-regulated gene
LINC00891	ENSG00000281852	-3.977847687	1.21162E-17	down-regulated gene
CNGA3	ENSG00000144191	-3.979909763	1.44844E-13	down-regulated gene
CPED1	ENSG00000106034	-3.980144058	5.57307E-26	down-regulated gene
SERTM1	ENSG00000180440	-3.983619773	1.4034E-05	down-regulated gene
PPP1R12B	ENSG00000077157	-3.992907571	3.90466E-36	down-regulated gene
AC009102.2	ENSG00000272372	-4.001310606	1.8447E-11	down-regulated gene
DTNA	ENSG00000134769	-4.001373679	6.63679E-20	down-regulated gene
AC027449.1	ENSG00000273348	-4.001994875	8.30744E-12	down-regulated gene
ADAMTS9-AS2	ENSG00000241684	-4.004825077	2.98891E-20	down-regulated gene
AC073862.5	ENSG00000280200	-4.009312216	1.34078E-10	down-regulated gene
AC093390.1	ENSG00000232057	-4.012050265	6.39613E-08	down-regulated gene
KIAA0408	ENSG00000189367	-4.017829122	3.7278E-11	down-regulated gene
AC055874.1	ENSG00000259446	-4.018784931	7.93149E-05	down-regulated gene
FAM107A	ENSG00000168309	-4.025569631	5.75285E-22	down-regulated gene
MRGPRX7P C7	ENSG00000254529	-4.030471223	0.000141945	down-regulated gene
MBNL1-AS1	ENSG00000112936	-4.041395323	7.07455E-11	down-regulated gene
ANGPTL7	ENSG00000229619	-4.070160518	7.06602E-35	down-regulated gene
LINC01082	ENSG00000171819	-4.073095977	4.54669E-11	down-regulated gene
LINC01082	ENSG00000269186	-4.073762678	1.24785E-19	down-regulated gene
RASA3-IT1	ENSG00000232487	-4.074959012	1.19174E-05	down-regulated gene
BHMT2	ENSG00000132840	-4.074959012	1.19174E-05	down-regulated gene
MIR27A	ENSG00000132840	-4.080143648	5.85527E-22	down-regulated gene
MIR27A	ENSG00000207808	-4.08783584	1.58169E-13	down-regulated gene
LINC01797	ENSG00000237179	-4.091181626	5.30612E-11	down-regulated gene
PLN	ENSG00000198523	-4.127134537	4.91485E-14	down-regulated gene
AP003548.1	ENSG00000253105	-4.127486611	8.27315E-18	down-regulated gene
AC087457.1	ENSG00000250007	-4.135032669	5.79964E-07	down-regulated gene
POPDC2	ENSG00000121577	-4.136893723	8.66826E-28	down-regulated gene
AC025470.2	ENSG00000250961	-4.137511704	8.69771E-12	down-regulated gene
KCNMA1	ENSG00000156113	-4.14152837	2.25771E-25	down-regulated gene
RPL7P3	ENSG00000226094	-4.144241055	7.89618E-06	down-regulated gene
PDZRN3-AS1	ENSG00000239677	-4.146648936	8.10804E-06	down-regulated gene
AARD	ENSG00000205002	-4.150528766	5.22208E-12	down-regulated gene

ADGRD1	ENSG00000111452	-4.160886331	2.46272E-16	down-regulated gene
AC012055.1	ENSG00000250957	-4.191392225	3.18824E-05	down-regulated gene
NEGR1	ENSG00000172260	-4.197981435	8.49185E-22	down-regulated gene
AC026688.2	ENSG00000254293	-4.203338242	3.59006E-05	down-regulated gene
AL021408.2	ENSG00000280155	-4.22041064	1.4011E-07	down-regulated gene
AC135012.3	ENSG00000268505	-4.222623212	1.97416E-19	down-regulated gene
LINC01154	ENSG00000257477	-4.237510406	1.64009E-11	down-regulated gene
FAM135B	ENSG00000147724	-4.240334934	7.88201E-11	down-regulated gene
AC073862.3	ENSG00000279940	-4.244725865	1.53637E-06	down-regulated gene
COL19A1	ENSG00000082293	-4.261129979	8.54482E-12	down-regulated gene
PCP4	ENSG00000183036	-4.277292869	6.82026E-09	down-regulated gene
AP001107.5	ENSG00000254510	-4.27878685	6.19416E-20	down-regulated gene
TCF21	ENSG00000118526	-4.292689887	7.53471E-32	down-regulated gene
MYLK	ENSG00000065534	-4.303919707	4.77846E-27	down-regulated gene
PGM5P4-AS1	ENSG00000231943	-4.304546664	1.26053E-12	down-regulated gene
ADAMTSL3	ENSG00000156218	-4.305350054	7.21452E-22	down-regulated gene
AC079313.2	ENSG00000258137	-4.314813093	1.79264E-13	down-regulated gene
KLHL30-AS1	ENSG00000279484	-4.315196222	1.97249E-18	down-regulated gene
MIR1-1HG-AS1	ENSG00000174403	-4.317633385	7.96347E-14	down-regulated gene
C16orf89	ENSG00000153446	-4.326573479	4.1666E-17	down-regulated gene
TNXB	ENSG00000168477	-4.329988492	2.02942E-22	down-regulated gene
SCN11A	ENSG00000168356	-4.339821387	1.39872E-13	down-regulated gene
AC036108.3	ENSG00000261616	-4.349982012	9.93639E-30	down-regulated gene
TNS1	ENSG00000079308	-4.353536024	1.45163E-31	down-regulated gene
HAND2-AS1	ENSG00000237125	-4.353596885	3.39536E-16	down-regulated gene
PLP1	ENSG00000123560	-4.354479425	1.38379E-14	down-regulated gene
PTGS1	ENSG00000095303	-4.361904789	9.38962E-22	down-regulated gene
ACTG2	ENSG00000163017	-4.362214715	8.24396E-16	down-regulated gene
CHRM2	ENSG00000181072	-4.368211946	1.51118E-10	down-regulated gene
SHISAL1	ENSG00000138944	-4.371042321	1.07496E-21	down-regulated gene
AC026688.1	ENSG00000253886	-4.384499159	7.35722E-10	down-regulated gene
FILIP1	ENSG00000118407	-4.388924654	7.21705E-31	down-regulated gene
SORBS1	ENSG00000095637	-4.392251604	1.33655E-23	down-regulated gene
SORCS1	ENSG00000108018	-4.400021651	9.11745E-15	down-regulated gene
NPAS4	ENSG00000174576	-4.401167863	2.79574E-20	down-regulated gene
FHL1	ENSG00000022267	-4.407822577	1.59304E-22	down-regulated gene
TMEM132C	ENSG00000181234	-4.409487489	2.33052E-11	down-regulated gene
AF001548.3	ENSG00000280429	-4.418333497	3.23455E-14	down-regulated gene
TACR2	ENSG00000075073	-4.435271595	7.82104E-24	down-regulated gene
MMP27	ENSG00000137675	-4.439553628	1.22515E-08	down-regulated gene
PRUNE2	ENSG00000106772	-4.452091494	1.73608E-17	down-regulated gene
VSTM2A	ENSG00000170419	-4.455951481	2.28106E-08	down-regulated gene
LMOD1	ENSG00000163431	-4.466147527	3.24321E-20	down-regulated gene
AC024651.1	ENSG00000259478	-4.472360801	2.58544E-09	down-regulated gene
AL354861.3	ENSG00000268926	-4.47368757	1.76012E-15	down-regulated gene
CLEC3B	ENSG00000163815	-4.47527703	2.59841E-35	down-regulated gene
MKX-AS1	ENSG00000230500	-4.48009292	2.71761E-07	down-regulated gene
DES	ENSG00000175084	-4.480674189	1.16682E-10	down-regulated gene
TACR3	ENSG00000169836	-4.481918316	3.96433E-11	down-regulated gene

P2RX1	ENSG00000108405	-4.483562547	8.21127E-18	down-regulated gene
ADH1B	ENSG00000196616	-4.511693628	9.72394E-12	down-regulated gene
HCG22	ENSG00000228789	-4.516229615	7.13099E-18	down-regulated gene
AC012085.2	ENSG00000258274	-4.52264444	1.28565E-14	down-regulated gene
TBX20	ENSG00000164532	-4.527465973	1.01614E-14	down-regulated gene
OGN	ENSG00000106809	-4.544364702	7.42854E-13	down-regulated gene
AF165147.1	ENSG00000232855	-4.54603785	4.39408E-22	down-regulated gene
AC053503.5	ENSG00000280323	-4.558227422	7.96558E-09	down-regulated gene
HAND1	ENSG00000113196	-4.560242673	5.055E-08	down-regulated gene
ACTN2	ENSG00000077522	-4.581518911	5.65631E-16	down-regulated gene
MYOM1	ENSG00000101605	-4.610847302	7.4651E-37	down-regulated gene
FLNC-AS1	ENSG00000242902	-4.647222543	4.85476E-11	down-regulated gene
AL161457.1	ENSG00000229019	-4.650962323	5.9108E-11	down-regulated gene
VIT	ENSG00000205221	-4.653992893	5.27336E-11	down-regulated gene
ECRG4	ENSG00000119147	-4.663846793	1.67412E-14	down-regulated gene
CNN1	ENSG00000130176	-4.667714026	1.7575E-17	down-regulated gene
RANBP3L	ENSG00000164188	-4.670639204	3.64203E-21	down-regulated gene
PYGM	ENSG00000068976	-4.731947114	2.41584E-31	down-regulated gene
AL391335.1	ENSG00000250734	-4.733664689	3.61495E-24	down-regulated gene
HLF	ENSG00000108924	-4.736395033	9.61062E-28	down-regulated gene
ATP1A2	ENSG00000018625	-4.751332241	3.82834E-14	down-regulated gene
AC103740.1	ENSG00000259370	-4.762066054	2.54175E-24	down-regulated gene
HSPB6	ENSG00000004776	-4.776721531	7.87444E-19	down-regulated gene
KCNB1	ENSG00000158445	-4.788068604	2.24498E-19	down-regulated gene
SLC2A4	ENSG00000181856	-4.838037617	1.43867E-24	down-regulated gene
CASQ2	ENSG00000118729	-4.840049151	2.94498E-14	down-regulated gene
PGM5	ENSG00000154330	-4.842976418	4.09167E-20	down-regulated gene
MYOCD	ENSG00000141052	-4.85716504	4.54721E-23	down-regulated gene
PDZRN4	ENSG00000165966	-4.88921819	7.91341E-16	down-regulated gene
KLHL41	ENSG00000239474	-4.895405474	2.83146E-37	down-regulated gene
MORN5	ENSG00000185681	-4.94925938	1.00657E-13	down-regulated gene
ADAMTS9-AS1	ENSG00000241158	-4.97768533	2.53372E-20	down-regulated gene
NPY6R	ENSG00000226306	-5.015184519	3.55356E-16	down-regulated gene
AC005180.2	ENSG00000267505	-5.024450407	1.00542E-20	down-regulated gene
OSTN	ENSG00000188729	-5.054603044	2.64414E-08	down-regulated gene
FLNC	ENSG00000128591	-5.080994202	5.14833E-23	down-regulated gene
ASB5	ENSG00000164122	-5.090599086	4.28694E-09	down-regulated gene
TMEM252	ENSG00000181778	-5.092177029	5.26633E-12	down-regulated gene
FAM180B	ENSG00000196666	-5.132033539	1.1407E-26	down-regulated gene
PGM5-AS1	ENSG00000224958	-5.158146314	3.5397E-09	down-regulated gene
SYNPO2	ENSG00000172403	-5.170583458	4.20992E-26	down-regulated gene
MYH2	ENSG00000125414	-5.1792541	6.95878E-11	down-regulated gene
SCARA5	ENSG00000168079	-5.186056222	6.80617E-22	down-regulated gene
LRRC3B	ENSG00000179796	-5.188100835	4.84215E-13	down-regulated gene
AC005180.1	ENSG00000267405	-5.197552926	9.80686E-19	down-regulated gene
ADGRG4	ENSG00000156920	-5.240987441	2.31725E-16	down-regulated gene
RBFOX3	ENSG00000167281	-5.265261839	7.1741E-19	down-regulated gene
GLP2R	ENSG00000065325	-5.300086494	4.233E-23	down-regulated gene
PGM5P4	ENSG00000225398	-5.32728283	9.30537E-17	down-regulated gene

ACTC1	ENSG00000159251	-5.340385783	4.12122E-13	down-regulated gene
MYH11	ENSG00000133392	-5.399687315	1.33839E-20	down-regulated gene
AF001548.1	ENSG00000263065	-5.422908743	3.79402E-26	down-regulated gene
SYNM	ENSG00000182253	-5.464477883	1.8001E-27	down-regulated gene
PI16	ENSG00000164530	-5.537522577	2.23801E-16	down-regulated gene
RD3L	ENSG00000227729	-5.566974777	0.000325087	down-regulated gene
MYOC	ENSG00000034971	-5.585762423	4.15155E-15	down-regulated gene
TRY2P	ENSG00000186163	-5.68243781	6.80923E-07	down-regulated gene
GUCA1C	ENSG00000138472	-5.948933151	3.57188E-05	down-regulated gene

Note: $|\logFC| \geq 1$ and p-value < 0.05
