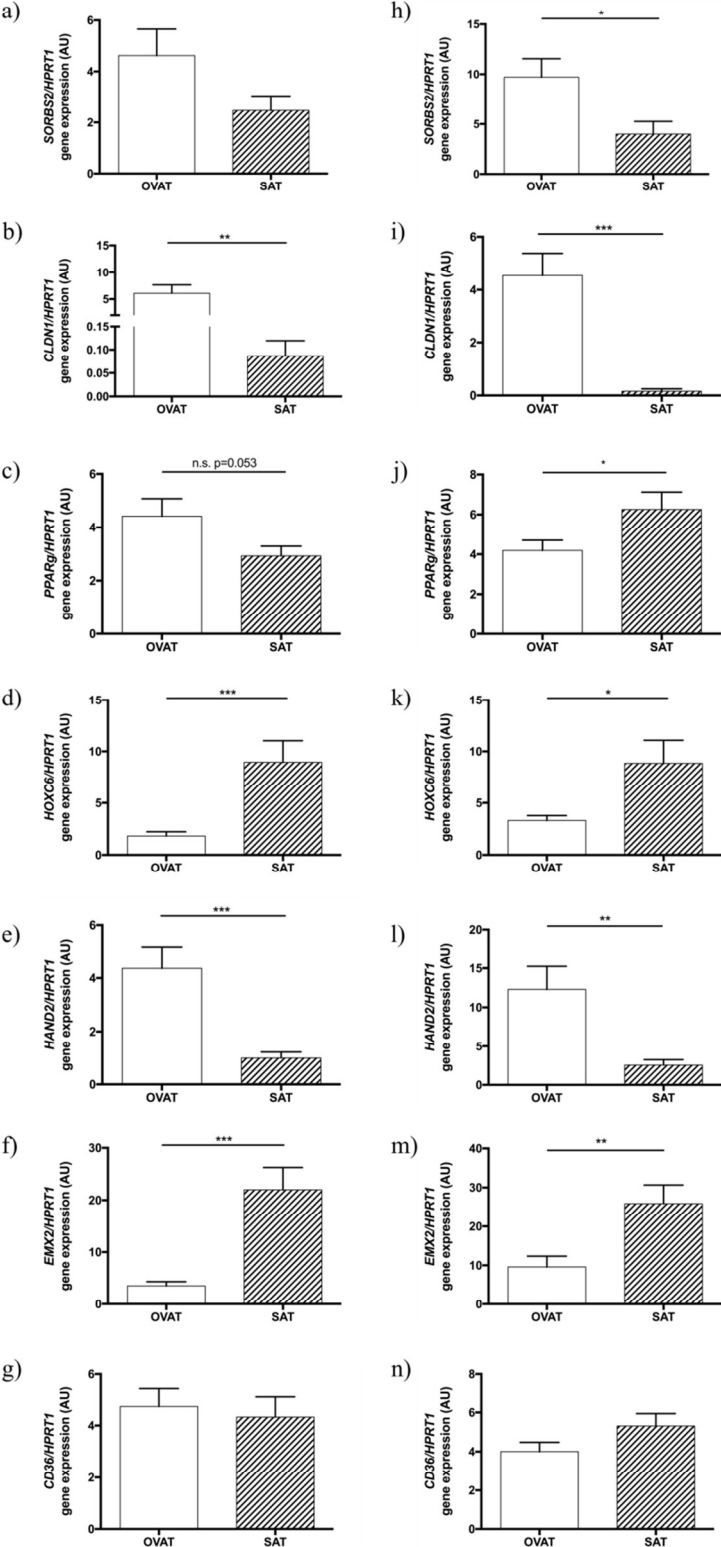
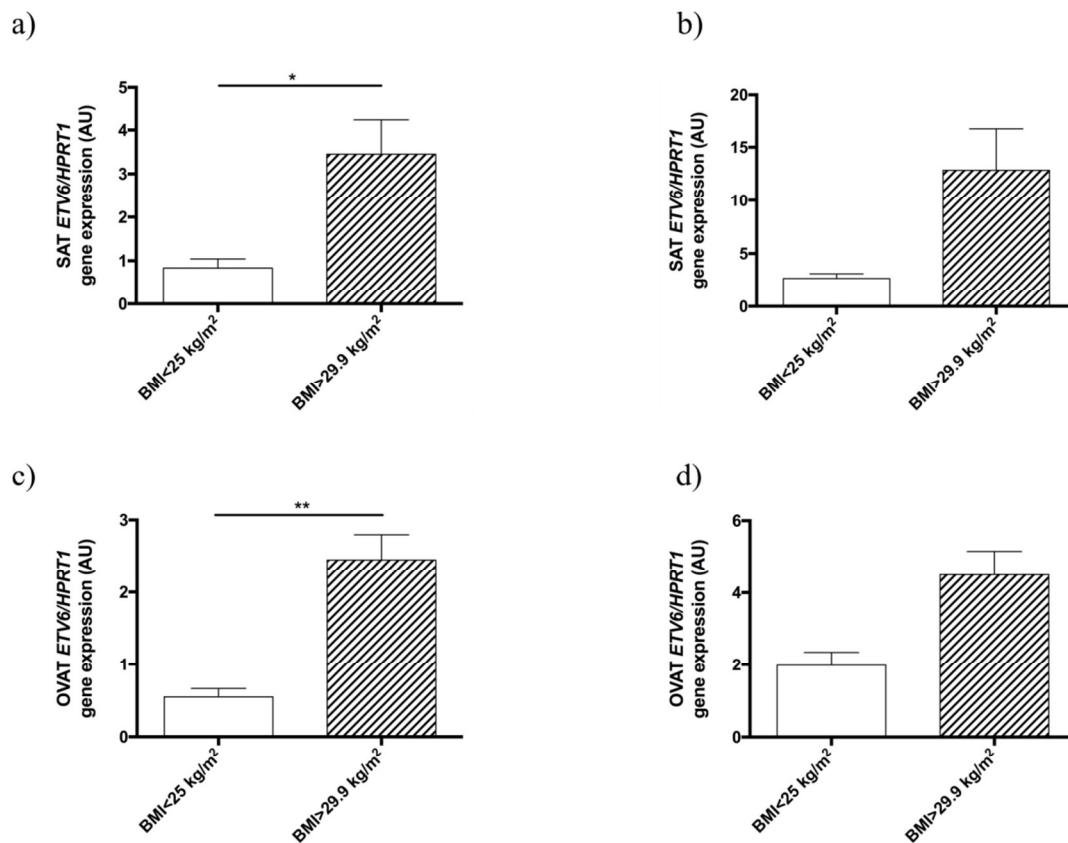


Supplementary Figure 1



Supplementary Figure 1: Shows the mRNA expression of *SORBS2*; *CLDN1*; *PPARG*; *HOXC6*; *HAND2*; *EMX2* and *CD36* relative to the reference gene *HPRT1*. Bars represent mean±SEM in adipocytes (a-g) and the stroma vascular fraction (g-n). *P*-values are indicated as \* $<0.05$ ; \*\* $<0.01$  and \*\*\* $<0.001$ .

Supplementary Figure 2



Supplementary Figure 2: Shows the mRNA expression of *ETV6/HPRT1* in a) adipocytes from SAT; b) stroma vascular fraction (SVF) from SAT; c) adipocytes from OVAT and d) SVF from OVAT. Bars represent mean±SEM and significant *P*-values were indicated as \* $<0.05$  and \*\* $<0.01$ .

Supplementary Table 1

**Methylation in non-obese SAT vs. OVAT**

Transcript	GeneName	non-obese_in_sc	non-obese_in_vis	p_value_in_sc	p_value_in_vis	fdr_in_sc	Fdr_in_sc	fdr_in_vis	Fdr_in_vis
NM_001584	<i>MPPED2</i>	1	0	2.00E-04	1	0.0012	0	NA	NA
NM_001110213	<i>PRH2</i>	0.913675601999091	0	2.00E-04	1	0.0012	0	NA	NA
NM_005042	<i>PRH2</i>	0.913675601999091	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004694	<i>OR2T29</i>	0.872330758746025	0	2.00E-04	1	0.0012	0	NA	NA
NR_029609	<i>MIR10B</i>	0.864152657882781	0	2.00E-04	1	0.0012	0	NA	NA
NM_006898	<i>HOXD3</i>	0.852339845524761	0	2.00E-04	1	0.0012	0	NA	NA
NM_198392	<i>TCF21</i>	0.81462971376647	0	2.00E-04	1	0.0012	0	NA	NA
NM_003206	<i>TCF21</i>	0.814175374829623	0	2.00E-04	1	0.0012	0	NA	NA
NM_001166393	<i>MTUS1</i>	0.813266696955929	0	2.00E-04	1	0.0012	0	NA	NA
NM_014621	<i>HOXD4</i>	0.812812358019082	0	2.00E-04	1	0.0012	0	NA	NA
NM_001135091	<i>MUC15</i>	0.787369377555657	0	2.00E-04	1	0.0012	0	NA	NA
NM_001135092	<i>MUC15</i>	0.787369377555657	0	2.00E-04	1	0.0012	0	NA	NA
NM_145650	<i>MUC15</i>	0.787369377555657	0	2.00E-04	1	0.0012	0	NA	NA
NM_001037631	<i>CTLA4</i>	0.776919582008178	0	2.00E-04	1	0.0012	0	NA	NA
NM_005214	<i>CTLA4</i>	0.776919582008178	0	2.00E-04	1	0.0012	0	NA	NA
NM_001198944	<i>DTNA</i>	0.776010904134484	0	2.00E-04	1	0.0012	0	NA	NA
NM_001198943	<i>DTNA</i>	0.776010904134484	0	2.00E-04	1	0.0012	0	NA	NA
NM_001198942	<i>DTNA</i>	0.776010904134484	0	2.00E-04	1	0.0012	0	NA	NA
NM_032980	<i>DTNA</i>	0.776010904134484	0	2.00E-04	1	0.0012	0	NA	NA
NM_032981	<i>DTNA</i>	0.776010904134484	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004695	<i>OR2T33</i>	0.768287142208087	0	2.00E-04	1	0.0012	0	NA	NA
NM_001145026	<i>PTPRQ</i>	0.765561108587006	0	2.00E-04	1	0.0012	0	NA	NA
NM_001007242	<i>GP2</i>	0.762835074965925	0	2.00E-04	1	0.0012	0	NA	NA
NM_001502	<i>GP2</i>	0.762835074965925	0	2.00E-04	1	0.0012	0	NA	NA
NM_001007241	<i>GP2</i>	0.762835074965925	0	2.00E-04	1	0.0012	0	NA	NA
NM_001007240	<i>GP2</i>	0.762835074965925	0	2.00E-04	1	0.0012	0	NA	NA
NM_001025077	<i>CELF2</i>	0.761926397092231	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004759	<i>OR51T1</i>	0.761926397092231	0	2.00E-04	1	0.0012	0	NA	NA
NR_046113	<i>FLJ16171</i>	0.754656974102681	0	2.00E-04	1	0.0012	0	NA	NA
NM_000390	<i>CHM</i>	0.749204906860518	0	2.00E-04	1	0.0012	0	NA	NA
NM_001145414	<i>CHM</i>	0.749204906860518	0	2.00E-04	1	0.0012	0	NA	NA
NM_000715	<i>C4BPA</i>	0.734211721944571	0	2.00E-04	1	0.0012	0	NA	NA
NM_005422	<i>TECTA</i>	0.733303044070877	0	2.00E-04	1	0.0012	0	NA	NA
NM_005708	<i>GPC6</i>	0.724670604270786	0	2.00E-04	1	0.0012	0	NA	NA
NM_019617	<i>GKN1</i>	0.718764198091776	0	2.00E-04	1	0.0012	0	NA	NA
NM_178168	<i>OR10A5</i>	0.716492503407542	0	2.00E-04	1	0.0012	0	NA	NA
NM_052939	<i>FCRL3</i>	0.710131758291686	0	2.00E-04	1	0.0012	0	NA	NA

NM_005390	<i>PDHA2</i>	0.707405724670604	0	2.00E-04	1	0.0012	0	NA	NA
NM_021005	<i>NR2F2</i>	0.70649704679691	0	2.00E-04	1	0.0012	0	NA	NA
NM_001304	<i>CPD</i>	0.689232167196729	0	2.00E-04	1	0.0012	0	NA	NA
NM_001009894	<i>C12orf29</i>	0.68468877782826	0	2.00E-04	1	0.0012	0	NA	NA
NM_022150	<i>NPVF</i>	0.684234438891413	0	2.00E-04	1	0.0012	0	NA	NA
NM_016512	<i>SPAG11B</i>	0.683780099954566	0	2.00E-04	1	0.0012	0	NA	NA
NM_058203	<i>SPAG11B</i>	0.683780099954566	0	2.00E-04	1	0.0012	0	NA	NA
NM_058201	<i>SPAG11B</i>	0.683780099954566	0	2.00E-04	1	0.0012	0	NA	NA
NM_058202	<i>SPAG11B</i>	0.683780099954566	0	2.00E-04	1	0.0012	0	NA	NA
NM_058200	<i>SPAG11B</i>	0.683780099954566	0	2.00E-04	1	0.0012	0	NA	NA
NM_001145014	<i>RFPL4A</i>	0.678328032712403	0	2.00E-04	1	0.0012	0	NA	NA
NR_103775	<i>LOC100505984</i>	0.672421626533394	0	2.00E-04	1	0.0012	0	NA	NA
NM_172060	<i>EYA1</i>	0.672421626533394	0	2.00E-04	1	0.0012	0	NA	NA
NM_172058	<i>EYA1</i>	0.672421626533394	0	2.00E-04	1	0.0012	0	NA	NA
NM_172059	<i>EYA1</i>	0.672421626533394	0	2.00E-04	1	0.0012	0	NA	NA
NR_028067	<i>OR4N3P</i>	0.6715129486597	0	2.00E-04	1	0.0012	0	NA	NA
NR_103466	<i>NBPF13P</i>	0.6715129486597	0	2.00E-04	1	0.0012	0	NA	NA
NM_001172517	<i>SATB2</i>	0.671058609722853	0	2.00E-04	1	0.0012	0	NA	NA
NR_046228	<i>ANKRD20A12P</i>	0.668786915038619	0	2.00E-04	1	0.0012	0	NA	NA
NM_001261399	<i>PRB4</i>	0.668332576101772	0	2.00E-04	1	0.0012	0	NA	NA
NM_002723	<i>PRB4</i>	0.668332576101772	0	2.00E-04	1	0.0012	0	NA	NA
NM_006526	<i>ZNF217</i>	0.663789186733303	0	2.00E-04	1	0.0012	0	NA	NA
NR_003928	<i>CHIAP2</i>	0.659700136301681	0	2.00E-04	1	0.0012	0	NA	NA
NM_213608	<i>C2orf66</i>	0.654248069059518	0	2.00E-04	1	0.0012	0	NA	NA
NM_001001931	<i>MTUS1</i>	0.652430713312131	0	2.00E-04	1	0.0012	0	NA	NA
NM_021952	<i>ELAVL4</i>	0.651522035438437	0	2.00E-04	1	0.0012	0	NA	NA
NM_001144774	<i>ELAVL4</i>	0.651522035438437	0	2.00E-04	1	0.0012	0	NA	NA
NM_001099435	<i>SPDYE5</i>	0.64970467969105	0	2.00E-04	1	0.0012	0	NA	NA
NM_001013356	<i>OR8U8</i>	0.644252612448887	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005204	<i>OR8U1</i>	0.644252612448887	0	2.00E-04	1	0.0012	0	NA	NA
NM_181621	<i>KRTAP13-2</i>	0.644252612448887	0	2.00E-04	1	0.0012	0	NA	NA
NM_001243081	<i>ELF5</i>	0.641980917764652	0	2.00E-04	1	0.0012	0	NA	NA
NM_198381	<i>ELF5</i>	0.641980917764652	0	2.00E-04	1	0.0012	0	NA	NA
NM_001199103	<i>NT5C1B-RDH14</i>	0.640163562017265	0	2.00E-04	1	0.0012	0	NA	NA
NM_001199087	<i>NT5C1B</i>	0.640163562017265	0	2.00E-04	1	0.0012	0	NA	NA
NM_001199086	<i>NT5C1B</i>	0.640163562017265	0	2.00E-04	1	0.0012	0	NA	NA
NM_033253	<i>NT5C1B</i>	0.640163562017265	0	2.00E-04	1	0.0012	0	NA	NA
NM_001199104	<i>NT5C1B-RDH14</i>	0.640163562017265	0	2.00E-04	1	0.0012	0	NA	NA
NM_001199088	<i>NT5C1B</i>	0.640163562017265	0	2.00E-04	1	0.0012	0	NA	NA
NM_001002006	<i>NT5C1B</i>	0.640163562017265	0	2.00E-04	1	0.0012	0	NA	NA
NM_001258370	<i>DIAPH3</i>	0.639254884143571	0	2.00E-04	1	0.0012	0	NA	NA

NM_030932	DIAPH3	0.639254884143571	0	2.00E-04	1	0.0012	0	NA	NA
NM_138800	TRIM43	0.681962744207179	0.0481599273057701	2.00E-04	1	0.0012	0	NA	NA
NM_153228	ANKFN1	0.633348477964562	0	2.00E-04	1	0.0012	0	NA	NA
NM_022915	MRPL44	0.633348477964562	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005245	OR5M11	0.632439800090868	0	2.00E-04	1	0.0012	0	NA	NA
NM_058248	DNASE2B	0.631076783280327	0	2.00E-04	1	0.0012	0	NA	NA
NM_001001821	OR2T34	0.62925942753294	0	2.00E-04	1	0.0012	0	NA	NA
NM_001277348	LOC100996485	0.622444343480236	0	2.00E-04	1	0.0012	0	NA	NA
NR_030289	MIR563	0.621535665606542	0	2.00E-04	1	0.0012	0	NA	NA
NM_001256370	SAMSN1	0.620626987732849	0	2.00E-04	1	0.0012	0	NA	NA
NM_020808	SIPA1L2	0.61017719218537	0	2.00E-04	1	0.0012	0	NA	NA
NM_080717	TBX5	0.606542480690595	0	2.00E-04	1	0.0012	0	NA	NA
NM_000192	TBX5	0.606542480690595	0	2.00E-04	1	0.0012	0	NA	NA
NM_003826	NAPG	0.598818718764198	0	2.00E-04	1	0.0012	0	NA	NA
NM_006273	CCL7	0.597001363016811	0	2.00E-04	1	0.0012	0	NA	NA
NR_102743	NR2F2-AS1	0.594275329395729	0	2.00E-04	1	0.0012	0	NA	NA
NR_102744	NR2F2-AS1	0.594275329395729	0	2.00E-04	1	0.0012	0	NA	NA
NM_005593	MYF5	0.583825533848251	0	2.00E-04	1	0.0012	0	NA	NA
NM_004564	PET112	0.583371194911404	0	2.00E-04	1	0.0012	0	NA	NA
NM_001197220	PDE4D	0.583371194911404	0	2.00E-04	1	0.0012	0	NA	NA
NR_033798	CAST	0.581099500227169	0	2.00E-04	1	0.0012	0	NA	NA
NR_104285	CAST	0.581099500227169	0	2.00E-04	1	0.0012	0	NA	NA
NM_001135995	ATXN3L	0.628350749659246	0.0495229441163108	2.00E-04	1	0.0012	0	NA	NA
NM_153377	LRIG3	0.576556110858701	0	2.00E-04	1	0.0012	0	NA	NA
NM_001184749	SLITRK4	0.576556110858701	0	2.00E-04	1	0.0012	0	NA	NA
NM_001171195	ELAVL2	0.574738755111313	0	2.00E-04	1	0.0012	0	NA	NA
NM_004010	DMD	0.574738755111313	0	2.00E-04	1	0.0012	0	NA	NA
NM_004009	DMD	0.574284416174466	0	2.00E-04	1	0.0012	0	NA	NA
NM_002190	IL17A	0.573375738300772	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005169	OR52I1	0.572921399363925	0	2.00E-04	1	0.0012	0	NA	NA
NM_020130	C8orf4	0.570649704679691	0	2.00E-04	1	0.0012	0	NA	NA
NM_001145672	SORBS2	0.56792367105861	0	2.00E-04	1	0.0012	0	NA	NA
NM_145892	RBFOX1	0.566106315311222	0	2.00E-04	1	0.0012	0	NA	NA
NM_145891	RBFOX1	0.566106315311222	0	2.00E-04	1	0.0012	0	NA	NA
NM_145893	RBFOX1	0.566106315311222	0	2.00E-04	1	0.0012	0	NA	NA
NM_001015001	CKMT1A	0.609722853248523	0.044525215810995	2.00E-04	1	0.0012	0	NA	NA
NM_016609	SLC22A17	0.560199909132213	0	2.00E-04	1	0.0012	0	NA	NA
NM_001242466	PIK3R1	0.558836892321672	0	2.00E-04	1	0.0012	0	NA	NA
NM_080872	UNC5D	0.557473875511131	0	2.00E-04	1	0.0012	0	NA	NA
NM_021240	DMRT3	0.557019536574284	0	2.00E-04	1	0.0012	0	NA	NA
NM_001029869	PLAC8L1	0.556110858700591	0	2.00E-04	1	0.0012	0	NA	NA

NM_032181	<i>EVA1A</i>	0.555656519763744	0	2.00E-04	1	0.0012	0	NA	NA
NM_001002925	<i>OR5AP2</i>	0.553839164016356	0	2.00E-04	1	0.0012	0	NA	NA
NM_194463	<i>RNF128</i>	0.552476147205816	0	2.00E-04	1	0.0012	0	NA	NA
NM_005330	<i>HBE1</i>	0.551113130395275	0	2.00E-04	1	0.0012	0	NA	NA
NM_080387	<i>CLEC4D</i>	0.550658791458428	0	2.00E-04	1	0.0012	0	NA	NA
NM_001135823	<i>SSPN</i>	0.550204452521581	0	2.00E-04	1	0.0012	0	NA	NA
NM_012353	<i>OR1C1</i>	0.550204452521581	0	2.00E-04	1	0.0012	0	NA	NA
NM_173860	<i>HOXC12</i>	0.546569741026806	0	2.00E-04	1	0.0012	0	NA	NA
NM_001018116	<i>MURC</i>	0.546115402089959	0	2.00E-04	1	0.0012	0	NA	NA
NM_031962	<i>KRTAP9-3</i>	0.545661063153112	0	2.00E-04	1	0.0012	0	NA	NA
NM_001136469	<i>TMEM108</i>	0.543389368468878	0	2.00E-04	1	0.0012	0	NA	NA
NM_023943	<i>TMEM108</i>	0.543389368468878	0	2.00E-04	1	0.0012	0	NA	NA
NM_001010977	<i>METTL21C</i>	0.541117673784643	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005327	<i>OR6K3</i>	0.54020899591095	0	2.00E-04	1	0.0012	0	NA	NA
NM_001178131	<i>EGF</i>	0.539754656974103	0	2.00E-04	1	0.0012	0	NA	NA
NM_001963	<i>EGF</i>	0.539754656974103	0	2.00E-04	1	0.0012	0	NA	NA
NM_001178130	<i>EGF</i>	0.539754656974103	0	2.00E-04	1	0.0012	0	NA	NA
NM_031900	<i>AGXT2</i>	0.539300318037256	0	2.00E-04	1	0.0012	0	NA	NA
NM_001168359	<i>TDRD6</i>	0.538391640163562	0	2.00E-04	1	0.0012	0	NA	NA
NM_001010870	<i>TDRD6</i>	0.538391640163562	0	2.00E-04	1	0.0012	0	NA	NA
NM_001873	<i>CPE</i>	0.537937301226715	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004760	<i>OR51V1</i>	0.537482962289868	0	2.00E-04	1	0.0012	0	NA	NA
NM_005086	<i>SSPN</i>	0.536119945479328	0	2.00E-04	1	0.0012	0	NA	NA
NM_015025	<i>MYT1L</i>	0.535665606542481	0	2.00E-04	1	0.0012	0	NA	NA
NM_139266	<i>STAT1</i>	0.533848250795093	0	2.00E-04	1	0.0012	0	NA	NA
NM_007315	<i>STAT1</i>	0.533848250795093	0	2.00E-04	1	0.0012	0	NA	NA
NM_015537	<i>NSMF</i>	0.533393911858246	0	2.00E-04	1	0.0012	0	NA	NA
NM_001130971	<i>NSMF</i>	0.533393911858246	0	2.00E-04	1	0.0012	0	NA	NA
NM_001130969	<i>NSMF</i>	0.533393911858246	0	2.00E-04	1	0.0012	0	NA	NA
NM_001130970	<i>NSMF</i>	0.533393911858246	0	2.00E-04	1	0.0012	0	NA	NA
NM_001178064	<i>NSMF</i>	0.533393911858246	0	2.00E-04	1	0.0012	0	NA	NA
NR_030164	<i>MIR489</i>	0.530667878237165	0	2.00E-04	1	0.0012	0	NA	NA
NR_024481	<i>FAM205B</i>	0.530667878237165	0	2.00E-04	1	0.0012	0	NA	NA
NM_199482	<i>MOB4</i>	0.529304861426624	0	2.00E-04	1	0.0012	0	NA	NA
NM_001242506	<i>GDA</i>	0.528850522489777	0	2.00E-04	1	0.0012	0	NA	NA
NM_001242505	<i>GDA</i>	0.528850522489777	0	2.00E-04	1	0.0012	0	NA	NA
NM_004293	<i>GDA</i>	0.528850522489777	0	2.00E-04	1	0.0012	0	NA	NA
NM_203458	<i>NOTCH2NL</i>	0.535211267605634	0.00681508405270332	2.00E-04	1	0.0012	0	NA	NA
NM_002148	<i>HOXD10</i>	0.522944116310768	0	2.00E-04	1	0.0012	0	NA	NA
NM_020769	<i>RGAG1</i>	0.52112676056338	0	2.00E-04	1	0.0012	0	NA	NA
NM_001144919	<i>FGFR2</i>	0.519309404815993	0	2.00E-04	1	0.0012	0	NA	NA

NM_000141	<i>FGFR2</i>	0.519309404815993	0	2.00E-04	1	0.0012	0	NA	NA
NM_022970	<i>FGFR2</i>	0.519309404815993	0	2.00E-04	1	0.0012	0	NA	NA
NM_001144918	<i>FGFR2</i>	0.519309404815993	0	2.00E-04	1	0.0012	0	NA	NA
NM_001144917	<i>FGFR2</i>	0.519309404815993	0	2.00E-04	1	0.0012	0	NA	NA
NR_073009	<i>FGFR2</i>	0.519309404815993	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005470	<i>OR4B1</i>	0.517946388005452	0	2.00E-04	1	0.0012	0	NA	NA
NM_012395	<i>CDK14</i>	0.517946388005452	0	2.00E-04	1	0.0012	0	NA	NA
NM_152512	<i>ENTHD1</i>	0.515220354384371	0	2.00E-04	1	0.0012	0	NA	NA
NM_206947	<i>TRPM3</i>	0.514766015447524	0	2.00E-04	1	0.0012	0	NA	NA
NM_206946	<i>TRPM3</i>	0.514766015447524	0	2.00E-04	1	0.0012	0	NA	NA
NM_206945	<i>TRPM3</i>	0.514766015447524	0	2.00E-04	1	0.0012	0	NA	NA
NM_024971	<i>TRPM3</i>	0.514766015447524	0	2.00E-04	1	0.0012	0	NA	NA
NM_206944	<i>TRPM3</i>	0.514766015447524	0	2.00E-04	1	0.0012	0	NA	NA
NM_020952	<i>TRPM3</i>	0.514766015447524	0	2.00E-04	1	0.0012	0	NA	NA
NM_001007470	<i>TRPM3</i>	0.514766015447524	0	2.00E-04	1	0.0012	0	NA	NA
NM_206948	<i>TRPM3</i>	0.514766015447524	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005213	<i>OR9G1</i>	0.512494320763289	0	2.00E-04	1	0.0012	0	NA	NA
NM_001013358	<i>OR9G9</i>	0.512494320763289	0	2.00E-04	1	0.0012	0	NA	NA
NM_007374	<i>SIX6</i>	0.508859609268514	0	2.00E-04	1	0.0012	0	NA	NA
NM_207422	<i>FLJ44635</i>	0.508405270331667	0	2.00E-04	1	0.0012	0	NA	NA
NM_033035	<i>TSLP</i>	0.507950931394821	0	2.00E-04	1	0.0012	0	NA	NA
NM_199462	<i>DSTYK</i>	0.507496592457974	0	2.00E-04	1	0.0012	0	NA	NA
NM_015375	<i>DSTYK</i>	0.507496592457974	0	2.00E-04	1	0.0012	0	NA	NA
NR_046827	<i>LNX1-AS2</i>	0.507042253521127	0	2.00E-04	1	0.0012	0	NA	NA
NR_015358	<i>LINC00643</i>	0.506133575647433	0	2.00E-04	1	0.0012	0	NA	NA
NM_002487	<i>NDN</i>	0.506133575647433	0	2.00E-04	1	0.0012	0	NA	NA
NM_004138	<i>KRT33A</i>	0.505679236710586	0	2.00E-04	1	0.0012	0	NA	NA
NM_001193347	<i>MEF2C</i>	0.63789186733303	0.134029986369832	2.00E-04	1	0.0012	0	NA	NA
NM_001131005	<i>MEF2C</i>	0.63789186733303	0.134029986369832	2.00E-04	1	0.0012	0	NA	NA
NM_004482	<i>GALNT3</i>	0.500227169468423	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004688	<i>OR2M2</i>	0.496138119036801	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005214	<i>LRRC52</i>	0.495229441163108	0	2.00E-04	1	0.0012	0	NA	NA
NM_006250	<i>PRH1</i>	0.495229441163108	0	2.00E-04	1	0.0012	0	NA	NA
NM_020374	<i>C12orf4</i>	0.492957746478873	0	2.00E-04	1	0.0012	0	NA	NA
NM_006249	<i>PRB3</i>	0.492049068605179	0	2.00E-04	1	0.0012	0	NA	NA
NM_001172814	<i>SLC30A8</i>	0.503861880963199	0.0127214902317129	2.00E-04	1	0.0012	0	NA	NA
NM_173851	<i>SLC30A8</i>	0.503861880963199	0.0127214902317129	2.00E-04	1	0.0012	0	NA	NA
NM_183234	<i>RAB27A</i>	0.491140390731486	0	2.00E-04	1	0.0012	0	NA	NA
NM_013372	<i>GREM1</i>	0.489777373920945	0	2.00E-04	1	0.0012	0	NA	NA
NM_001191322	<i>GREM1</i>	0.489777373920945	0	2.00E-04	1	0.0012	0	NA	NA
NM_001191323	<i>GREM1</i>	0.489777373920945	0	2.00E-04	1	0.0012	0	NA	NA

NM_138574	<i>HDGFL1</i>	0.489777373920945	0	2.00E-04	1	0.0012	0	NA	NA
NM_005523	<i>HOXA11</i>	0.487960018173557	0	2.00E-04	1	0.0012	0	NA	NA
NM_020868	<i>DPP10</i>	0.48614266242617	0	2.00E-04	1	0.0012	0	NA	NA
NM_021101	<i>CLDN1</i>	0.485233984552476	0	2.00E-04	1	0.0012	0	NA	NA
NR_026806	<i>FLJ13224</i>	0.54157201272149	0.0599727396637892	2.00E-04	1	0.0012	0	NA	NA
NM_006557	<i>DMRT2</i>	0.480690595184007	0	2.00E-04	1	0.0012	0	NA	NA
NM_173519	<i>CLVS1</i>	0.48023625624716	0	2.00E-04	1	0.0012	0	NA	NA
NM_014247	<i>RAPGEF2</i>	0.479327578373467	0	2.00E-04	1	0.0012	0	NA	NA
NM_001130865	<i>DMRT2</i>	0.477055883689232	0	2.00E-04	1	0.0012	0	NA	NA
NM_020154	<i>EMC7</i>	0.476601544752385	0	2.00E-04	1	0.0012	0	NA	NA
NM_198904	<i>GABRG2</i>	0.476147205815538	0	2.00E-04	1	0.0012	0	NA	NA
NM_198903	<i>GABRG2</i>	0.476147205815538	0	2.00E-04	1	0.0012	0	NA	NA
NM_000816	<i>GABRG2</i>	0.476147205815538	0	2.00E-04	1	0.0012	0	NA	NA
NM_152688	<i>KHDRBS2</i>	0.476147205815538	0	2.00E-04	1	0.0012	0	NA	NA
NM_001012763	<i>GNRHR</i>	0.475692866878692	0	2.00E-04	1	0.0012	0	NA	NA
NM_000406	<i>GNRHR</i>	0.475692866878692	0	2.00E-04	1	0.0012	0	NA	NA
NM_147180	<i>PPP3R2</i>	0.475238527941845	0	2.00E-04	1	0.0012	0	NA	NA
NM_001159642	<i>BNIPL</i>	0.47296683325761	0	2.00E-04	1	0.0012	0	NA	NA
NM_138278	<i>BNIPL</i>	0.47296683325761	0	2.00E-04	1	0.0012	0	NA	NA
NM_001145671	<i>SORBS2</i>	0.472512494320763	0	2.00E-04	1	0.0012	0	NA	NA
NM_012450	<i>SLC13A4</i>	0.472512494320763	0	2.00E-04	1	0.0012	0	NA	NA
NM_001244961	<i>FRMD3</i>	0.470695138573376	0	2.00E-04	1	0.0012	0	NA	NA
NM_199354	<i>PRB1</i>	0.571558382553385	0.100863243980009	2.00E-04	1	0.0012	0	NA	NA
NM_199353	<i>PRB1</i>	0.571558382553385	0.100863243980009	2.00E-04	1	0.0012	0	NA	NA
NM_005039	<i>PRB1</i>	0.571558382553385	0.100863243980009	2.00E-04	1	0.0012	0	NA	NA
NM_001193329	<i>C9orf3</i>	0.470240799636529	0	2.00E-04	1	0.0012	0	NA	NA
NM_130897	<i>DYNLRB2</i>	0.469786460699682	0	2.00E-04	1	0.0012	0	NA	NA
NR_029374	<i>LEF1-AS1</i>	0.469786460699682	0	2.00E-04	1	0.0012	0	NA	NA
NM_001001995	<i>GPM6B</i>	0.467060427078601	0	2.00E-04	1	0.0012	0	NA	NA
NM_005278	<i>GPM6B</i>	0.467060427078601	0	2.00E-04	1	0.0012	0	NA	NA
NM_001001996	<i>GPM6B</i>	0.467060427078601	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004756	<i>OR51M1</i>	0.466606088141754	0	2.00E-04	1	0.0012	0	NA	NA
NM_004592	<i>SFSWAP</i>	0.466606088141754	0	2.00E-04	1	0.0012	0	NA	NA
NM_001261411	<i>SFSWAP</i>	0.466606088141754	0	2.00E-04	1	0.0012	0	NA	NA
NM_002421	<i>MMP1</i>	0.466606088141754	0	2.00E-04	1	0.0012	0	NA	NA
NM_001145938	<i>MMP1</i>	0.466606088141754	0	2.00E-04	1	0.0012	0	NA	NA
NM_019066	<i>MAGEL2</i>	0.466606088141754	0	2.00E-04	1	0.0012	0	NA	NA
NM_004781	<i>VAMP3</i>	0.466151749204907	0	2.00E-04	1	0.0012	0	NA	NA
NM_001205259	<i>TP53TG3C</i>	0.46569741026806	0	2.00E-04	1	0.0012	0	NA	NA
NM_001205260	<i>TP53TG3C</i>	0.46569741026806	0	2.00E-04	1	0.0012	0	NA	NA
NM_001099687	<i>TP53TG3B</i>	0.46569741026806	0	2.00E-04	1	0.0012	0	NA	NA



NM_016212	TP53TG3	0.46569741026806	0	2.00E-04	1	0.0012	0	NA	NA
NM_001205265	TP53TG3B	0.46569741026806	0	2.00E-04	1	0.0012	0	NA	NA
NM_001267813	TP53TG3	0.46569741026806	0	2.00E-04	1	0.0012	0	NA	NA
NM_030960	SPACA1	0.465243071331213	0	2.00E-04	1	0.0012	0	NA	NA
NR_003572	RPL23AP53	0.464334393457519	0	2.00E-04	1	0.0012	0	NA	NA
NM_001127505	ASAH1	0.464334393457519	0	2.00E-04	1	0.0012	0	NA	NA
NM_004315	ASAH1	0.464334393457519	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004458	OR1S1	0.463880054520672	0	2.00E-04	1	0.0012	0	NA	NA
NM_006687	ACTL7A	0.463880054520672	0	2.00E-04	1	0.0012	0	NA	NA
NR_051997	ZNF33BP1	0.463425715583826	0	2.00E-04	1	0.0012	0	NA	NA
NM_018073	TRIM68	0.462971376646979	0	2.00E-04	1	0.0012	0	NA	NA
NM_016227	SUCO	0.462517037710132	0	2.00E-04	1	0.0012	0	NA	NA
NM_152485	C1orf74	0.462517037710132	0	2.00E-04	1	0.0012	0	NA	NA
NM_001141917	FAM205A	0.462062698773285	0	2.00E-04	1	0.0012	0	NA	NA
NM_001204070	ANKS1B	0.461608359836438	0	2.00E-04	1	0.0012	0	NA	NA
NM_001204069	ANKS1B	0.461608359836438	0	2.00E-04	1	0.0012	0	NA	NA
NM_001204068	ANKS1B	0.461608359836438	0	2.00E-04	1	0.0012	0	NA	NA
NM_181670	ANKS1B	0.461608359836438	0	2.00E-04	1	0.0012	0	NA	NA
NM_020140	ANKS1B	0.461608359836438	0	2.00E-04	1	0.0012	0	NA	NA
NM_001127651	NCF2	0.460699681962744	0	2.00E-04	1	0.0012	0	NA	NA
NM_002871	RAB1F	0.460245343025897	0	2.00E-04	1	0.0012	0	NA	NA
NM_033049	MUC13	0.459336665152204	0	2.00E-04	1	0.0012	0	NA	NA
NR_003337	SNORD116-23	0.457519309404816	0	2.00E-04	1	0.0012	0	NA	NA
NM_000576	IL1B	0.457519309404816	0	2.00E-04	1	0.0012	0	NA	NA
NM_007281	SCRG1	0.457064970467969	0	2.00E-04	1	0.0012	0	NA	NA
NM_001257964	BOD1L2	0.456156292594275	0	2.00E-04	1	0.0012	0	NA	NA
NM_001122634	CPS1	0.455701953657428	0	2.00E-04	1	0.0012	0	NA	NA
NM_001242699	ENO4	0.454793275783735	0	2.00E-04	1	0.0012	0	NA	NA
NR_046449	LOC374443	0.454793275783735	0	2.00E-04	1	0.0012	0	NA	NA
NM_001261830	SERPINB7	0.454793275783735	0	2.00E-04	1	0.0012	0	NA	NA
NR_002940	LRR37A4P	0.454338936846888	0	2.00E-04	1	0.0012	0	NA	NA
NR_038877	LOC286189	0.453430258973194	0	2.00E-04	1	0.0012	0	NA	NA
NM_018958	NPAP1	0.452975920036347	0	2.00E-04	1	0.0012	0	NA	NA
NM_003666	BLZF1	0.452067242162653	0	2.00E-04	1	0.0012	0	NA	NA
NM_001040283	DMRTC2	0.452067242162653	0	2.00E-04	1	0.0012	0	NA	NA
NM_001837	CCR3	0.452067242162653	0	2.00E-04	1	0.0012	0	NA	NA
NM_001164680	CCR3	0.452067242162653	0	2.00E-04	1	0.0012	0	NA	NA
NM_178328	CCR3	0.452067242162653	0	2.00E-04	1	0.0012	0	NA	NA
NM_178329	CCR3	0.452067242162653	0	2.00E-04	1	0.0012	0	NA	NA
NM_001126328	LNX1	0.507496592457974	0.0558836892321672	2.00E-04	1	0.0012	0	NA	NA
NM_017757	ZNF407	0.451612903225806	0	2.00E-04	1	0.0012	0	NA	NA

NM_001146189	ZNF407	0.451612903225806	0	2.00E-04	1	0.0012	0	NA	NA
NM_001146190	ZNF407	0.451612903225806	0	2.00E-04	1	0.0012	0	NA	NA
NR_102753	SPATA8-AS1	0.45115856428896	0	2.00E-04	1	0.0012	0	NA	NA
NM_001024666	SH3KBP1	0.450704225352113	0	2.00E-04	1	0.0012	0	NA	NA
NM_001550	IFRD1	0.449795547478419	0	2.00E-04	1	0.0012	0	NA	NA
NM_003784	SERPINB7	0.447978191731031	0	2.00E-04	1	0.0012	0	NA	NA
NM_001261831	SERPINB7	0.447978191731031	0	2.00E-04	1	0.0012	0	NA	NA
NM_001001325	SPINK14	0.447978191731031	0	2.00E-04	1	0.0012	0	NA	NA
NM_018068	PIWIL2	0.447978191731031	0	2.00E-04	1	0.0012	0	NA	NA
NM_017409	HOXC10	0.447523852794184	0	2.00E-04	1	0.0012	0	NA	NA
NM_172313	CSF3R	0.447069513857338	0	2.00E-04	1	0.0012	0	NA	NA
NM_156039	CSF3R	0.447069513857338	0	2.00E-04	1	0.0012	0	NA	NA
NM_000760	CSF3R	0.447069513857338	0	2.00E-04	1	0.0012	0	NA	NA
NM_001282855	IQUB	0.446615174920491	0	2.00E-04	1	0.0012	0	NA	NA
NR_104244	IQUB	0.446615174920491	0	2.00E-04	1	0.0012	0	NA	NA
NM_004985	KRAS	0.443889141299409	0	2.00E-04	1	0.0012	0	NA	NA
NM_033360	KRAS	0.443889141299409	0	2.00E-04	1	0.0012	0	NA	NA
NM_199000	LHFPL3	0.442980463425716	0	2.00E-04	1	0.0012	0	NA	NA
NR_102754	SPATA8-AS1	0.442980463425716	0	2.00E-04	1	0.0012	0	NA	NA
NM_001256827	SMG6	0.442980463425716	0	2.00E-04	1	0.0012	0	NA	NA
NM_014891	PDAP1	0.442980463425716	0	2.00E-04	1	0.0012	0	NA	NA
NM_003068	SNAI2	0.442980463425716	0	2.00E-04	1	0.0012	0	NA	NA
NR_047005	LINC00381	0.442526124488869	0	2.00E-04	1	0.0012	0	NA	NA
NM_173499	SPATA8	0.442526124488869	0	2.00E-04	1	0.0012	0	NA	NA
NM_004580	RAB27A	0.442071785552022	0	2.00E-04	1	0.0012	0	NA	NA
NM_002173	IFNA16	0.442071785552022	0	2.00E-04	1	0.0012	0	NA	NA
NM_052905	FMNL2	0.441617446615175	0	2.00E-04	1	0.0012	0	NA	NA
NM_001099338	NUTM2A	0.440708768741481	0	2.00E-04	1	0.0012	0	NA	NA
NM_001081552	SPAG11A	0.43934575193094	0	2.00E-04	1	0.0012	0	NA	NA
NM_001171653	ZEB2	0.438891412994094	0	2.00E-04	1	0.0012	0	NA	NA
NM_014795	ZEB2	0.438891412994094	0	2.00E-04	1	0.0012	0	NA	NA
NR_033258	ZEB2	0.438891412994094	0	2.00E-04	1	0.0012	0	NA	NA
NM_001257403	VSIG4	0.438891412994094	0	2.00E-04	1	0.0012	0	NA	NA
NM_001100431	VSIG4	0.438891412994094	0	2.00E-04	1	0.0012	0	NA	NA
NM_007268	VSIG4	0.438891412994094	0	2.00E-04	1	0.0012	0	NA	NA
NM_001184831	VSIG4	0.438891412994094	0	2.00E-04	1	0.0012	0	NA	NA
NM_001184830	VSIG4	0.438891412994094	0	2.00E-04	1	0.0012	0	NA	NA
NM_145235	FANK1	0.438437074057247	0	2.00E-04	1	0.0012	0	NA	NA
NM_022359	PDE4DIP	0.438437074057247	0	2.00E-04	1	0.0012	0	NA	NA
NM_024503	HIVEP3	0.4379827351204	0	2.00E-04	1	0.0012	0	NA	NA
NM_001127714	HIVEP3	0.4379827351204	0	2.00E-04	1	0.0012	0	NA	NA

NR_038260	HIVEP3	0.4379827351204	0	2.00E-04	1	0.0012	0	NA	NA
NM_006393	NEBL	0.4379827351204	0	2.00E-04	1	0.0012	0	NA	NA
NM_001198617	MAP7	0.437528396183553	0	2.00E-04	1	0.0012	0	NA	NA
NM_001198616	MAP7	0.437528396183553	0	2.00E-04	1	0.0012	0	NA	NA
NM_003980	MAP7	0.437528396183553	0	2.00E-04	1	0.0012	0	NA	NA
NM_006896	HOXA7	0.436619718309859	0	2.00E-04	1	0.0012	0	NA	NA
NM_001270422	KCNJ16	0.435711040436165	0	2.00E-04	1	0.0012	0	NA	NA
NM_170741	KCNJ16	0.435711040436165	0	2.00E-04	1	0.0012	0	NA	NA
NM_018658	KCNJ16	0.435711040436165	0	2.00E-04	1	0.0012	0	NA	NA
NM_182913	SYNE2	0.435256701499318	0	2.00E-04	1	0.0012	0	NA	NA
NM_020358	TRIM49	0.435256701499318	0	2.00E-04	1	0.0012	0	NA	NA
NR_037711	RAD51D	0.435256701499318	0	2.00E-04	1	0.0012	0	NA	NA
NM_002878	RAD51D	0.435256701499318	0	2.00E-04	1	0.0012	0	NA	NA
NR_037712	RAD51D	0.435256701499318	0	2.00E-04	1	0.0012	0	NA	NA
NM_001142571	RAD51D	0.435256701499318	0	2.00E-04	1	0.0012	0	NA	NA
NM_133629	RAD51D	0.435256701499318	0	2.00E-04	1	0.0012	0	NA	NA
NM_002527	NTF3	0.434348023625625	0	2.00E-04	1	0.0012	0	NA	NA
NM_152501	PYHIN1	0.432985006815084	0	2.00E-04	1	0.0012	0	NA	NA
NM_198928	PYHIN1	0.432985006815084	0	2.00E-04	1	0.0012	0	NA	NA
NM_198930	PYHIN1	0.432985006815084	0	2.00E-04	1	0.0012	0	NA	NA
NM_198929	PYHIN1	0.432985006815084	0	2.00E-04	1	0.0012	0	NA	NA
NM_177437	TAS2R60	0.432985006815084	0	2.00E-04	1	0.0012	0	NA	NA
NM_001166276	ARHGAP25	0.43207632894139	0	2.00E-04	1	0.0012	0	NA	NA
NM_014882	ARHGAP25	0.43207632894139	0	2.00E-04	1	0.0012	0	NA	NA
NM_004967	IBSP	0.43207632894139	0	2.00E-04	1	0.0012	0	NA	NA
NR_027514	CCNDBP1	0.431621990004543	0	2.00E-04	1	0.0012	0	NA	NA
NR_027513	CCNDBP1	0.431621990004543	0	2.00E-04	1	0.0012	0	NA	NA
NM_012142	CCNDBP1	0.431621990004543	0	2.00E-04	1	0.0012	0	NA	NA
NR_045999	CCNDBP1	0.431621990004543	0	2.00E-04	1	0.0012	0	NA	NA
NR_045998	CCNDBP1	0.431621990004543	0	2.00E-04	1	0.0012	0	NA	NA
NM_001278733	TAGAP	0.431167651067697	0	2.00E-04	1	0.0012	0	NA	NA
NM_203454	APOBEC4	0.43071331213085	0	2.00E-04	1	0.0012	0	NA	NA
NM_001204066	ANKS1B	0.43071331213085	0	2.00E-04	1	0.0012	0	NA	NA
NM_058206	SPAG11B	0.430258973194003	0	2.00E-04	1	0.0012	0	NA	NA
NM_058207	SPAG11B	0.430258973194003	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005185	OR6N1	0.428895956383462	0	2.00E-04	1	0.0012	0	NA	NA
NR_026867	ZNF300P1	0.428441617446615	0	2.00E-04	1	0.0012	0	NA	NA
NM_145690	YWHAZ	0.428441617446615	0	2.00E-04	1	0.0012	0	NA	NA
NM_001166688	PFKM	0.427987278509768	0	2.00E-04	1	0.0012	0	NA	NA
NM_001166687	PFKM	0.427987278509768	0	2.00E-04	1	0.0012	0	NA	NA
NM_000301	PLG	0.426624261699228	0	2.00E-04	1	0.0012	0	NA	NA

NM_001168338	PLG	0.426624261699228	0	2.00E-04	1	0.0012	0	NA	NA
NM_021094	SLCO1A2	0.426169922762381	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004757	OR51Q1	0.425715583825534	0	2.00E-04	1	0.0012	0	NA	NA
NM_020372	SLC22A17	0.425715583825534	0	2.00E-04	1	0.0012	0	NA	NA
NM_014898	ZFP30	0.425715583825534	0	2.00E-04	1	0.0012	0	NA	NA
NM_002922	RGS1	0.425261244888687	0	2.00E-04	1	0.0012	0	NA	NA
NM_171829	KCNMB3	0.425261244888687	0	2.00E-04	1	0.0012	0	NA	NA
NR_028135	KCNMB3	0.425261244888687	0	2.00E-04	1	0.0012	0	NA	NA
NM_031961	KRTAP9-2	0.42480690595184	0	2.00E-04	1	0.0012	0	NA	NA
NM_145739	OSBPL6	0.424352567014993	0	2.00E-04	1	0.0012	0	NA	NA
NM_001001991	PAMR1	0.424352567014993	0	2.00E-04	1	0.0012	0	NA	NA
NM_015430	PAMR1	0.424352567014993	0	2.00E-04	1	0.0012	0	NA	NA
NM_001282676	PAMR1	0.424352567014993	0	2.00E-04	1	0.0012	0	NA	NA
NR_027053	LOC646214	0.422989550204453	0	2.00E-04	1	0.0012	0	NA	NA
NM_001102608	COL6A6	0.422080872330759	0	2.00E-04	1	0.0012	0	NA	NA
NR_003921	PMCHL1	0.422080872330759	0	2.00E-04	1	0.0012	0	NA	NA
NR_002575	SNORA27	0.421626533393912	0	2.00E-04	1	0.0012	0	NA	NA
NR_002574	SNORD102	0.421626533393912	0	2.00E-04	1	0.0012	0	NA	NA
NR_002163	OR7E37P	0.421626533393912	0	2.00E-04	1	0.0012	0	NA	NA
NM_130390	TRIM34	0.423898228078146	0.00227169468423444	2.00E-04	1	0.0012	0	NA	NA
NM_001199119	TRIM39-RPP21	0.420263516583371	0	2.00E-04	1	0.0012	0	NA	NA
NM_002099	GYP A	0.420263516583371	0	2.00E-04	1	0.0012	0	NA	NA
NM_001145155	NR2F2	0.419809177646524	0	2.00E-04	1	0.0012	0	NA	NA
NR_038440	TBX5-AS1	0.512039981826443	0.0926851431167651	2.00E-04	1	0.0012	0	NA	NA
NM_001004750	OR51B6	0.418446160835984	0	2.00E-04	1	0.0012	0	NA	NA
NM_004826	ECEL1	0.418446160835984	0	2.00E-04	1	0.0012	0	NA	NA
NM_001001921	OR5AS1	0.41753748296229	0	2.00E-04	1	0.0012	0	NA	NA
NM_001007537	C1QTNF9B	0.417083144025443	0	2.00E-04	1	0.0012	0	NA	NA
NM_031854	KRTAP4-12	0.417083144025443	0	2.00E-04	1	0.0012	0	NA	NA
NM_001031848	SERPINB8	0.416628805088596	0	2.00E-04	1	0.0012	0	NA	NA
NM_198833	SERPINB8	0.416628805088596	0	2.00E-04	1	0.0012	0	NA	NA
NM_001276490	SERPINB8	0.416628805088596	0	2.00E-04	1	0.0012	0	NA	NA
NM_002640	SERPINB8	0.416628805088596	0	2.00E-04	1	0.0012	0	NA	NA
NM_002286	LAG3	0.416174466151749	0	2.00E-04	1	0.0012	0	NA	NA
NM_014483	RBMS3	0.415720127214902	0	2.00E-04	1	0.0012	0	NA	NA
NM_001177712	RBMS3	0.415720127214902	0	2.00E-04	1	0.0012	0	NA	NA
NM_001177711	RBMS3	0.415720127214902	0	2.00E-04	1	0.0012	0	NA	NA
NM_001003792	RBMS3	0.415720127214902	0	2.00E-04	1	0.0012	0	NA	NA
NM_001003793	RBMS3	0.415720127214902	0	2.00E-04	1	0.0012	0	NA	NA
NM_001270584	IQCA1	0.415720127214902	0	2.00E-04	1	0.0012	0	NA	NA
NM_024726	IQCA1	0.415720127214902	0	2.00E-04	1	0.0012	0	NA	NA

NR_073043	<i>IQCA1</i>	0.415720127214902	0	2.00E-04	1	0.0012	0	NA	NA
NR_038371	<i>FLJ45974</i>	0.415720127214902	0	2.00E-04	1	0.0012	0	NA	NA
NM_058173	<i>MUCL1</i>	0.414357110404362	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005187	<i>OR6T1</i>	0.413902771467515	0	2.00E-04	1	0.0012	0	NA	NA
NM_016049	<i>EMC9</i>	0.413448432530668	0	2.00E-04	1	0.0012	0	NA	NA
NM_005495	<i>SLC17A4</i>	0.412539754656974	0	2.00E-04	1	0.0012	0	NA	NA
NM_001160174	<i>NAT1</i>	0.412539754656974	0	2.00E-04	1	0.0012	0	NA	NA
NM_001446	<i>FABP7</i>	0.412085415720127	0	2.00E-04	1	0.0012	0	NA	NA
NM_030780	<i>SLC25A32</i>	0.41163107678328	0	2.00E-04	1	0.0012	0	NA	NA
NR_102337	<i>SLC25A32</i>	0.41163107678328	0	2.00E-04	1	0.0012	0	NA	NA
NR_102338	<i>SLC25A32</i>	0.41163107678328	0	2.00E-04	1	0.0012	0	NA	NA
NM_001198834	<i>PDE4DIP</i>	0.410722398909587	0	2.00E-04	1	0.0012	0	NA	NA
NM_014644	<i>PDE4DIP</i>	0.410722398909587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001002812	<i>PDE4DIP</i>	0.410722398909587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001195261	<i>PDE4DIP</i>	0.410722398909587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001002810	<i>PDE4DIP</i>	0.410722398909587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001460	<i>FMO2</i>	0.41026805997274	0	2.00E-04	1	0.0012	0	NA	NA
NR_102326	<i>HCG18</i>	0.41026805997274	0	2.00E-04	1	0.0012	0	NA	NA
NR_102327	<i>HCG18</i>	0.41026805997274	0	2.00E-04	1	0.0012	0	NA	NA
NR_024053	<i>HCG18</i>	0.41026805997274	0	2.00E-04	1	0.0012	0	NA	NA
NR_024052	<i>HCG18</i>	0.41026805997274	0	2.00E-04	1	0.0012	0	NA	NA
NM_001008226	<i>FAM154B</i>	0.409359382099046	0	2.00E-04	1	0.0012	0	NA	NA
NM_017559	<i>FNDC8</i>	0.408905043162199	0	2.00E-04	1	0.0012	0	NA	NA
NM_031914	<i>SYT16</i>	0.407542026351658	0	2.00E-04	1	0.0012	0	NA	NA
NM_052971	<i>LEAP2</i>	0.407542026351658	0	2.00E-04	1	0.0012	0	NA	NA
NM_016370	<i>RAB9B</i>	0.407087687414811	0	2.00E-04	1	0.0012	0	NA	NA
NM_001080477	<i>TENM3</i>	0.406179009541118	0	2.00E-04	1	0.0012	0	NA	NA
NM_001170553	<i>VSIG1</i>	0.405270331667424	0	2.00E-04	1	0.0012	0	NA	NA
NM_182607	<i>VSIG1</i>	0.405270331667424	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004467	<i>OR10J3</i>	0.405270331667424	0	2.00E-04	1	0.0012	0	NA	NA
NM_001105069	<i>ACSM2B</i>	0.404815992730577	0	2.00E-04	1	0.0012	0	NA	NA
NM_182617	<i>ACSM2B</i>	0.404815992730577	0	2.00E-04	1	0.0012	0	NA	NA
NM_182489	<i>STRA8</i>	0.40436165379373	0	2.00E-04	1	0.0012	0	NA	NA
NM_002665	<i>PLGLB2</i>	0.583825533848251	0.179463880054521	2.00E-04	1	0.0012	0	NA	NA
NM_001032392	<i>PLGLB1</i>	0.583825533848251	0.179463880054521	2.00E-04	1	0.0012	0	NA	NA
NM_004288	<i>CYTIP</i>	0.403452975920036	0	2.00E-04	1	0.0012	0	NA	NA
NM_005554	<i>KRT6A</i>	0.402998636983189	0	2.00E-04	1	0.0012	0	NA	NA
NM_181486	<i>TBX5</i>	0.496138119036801	0.093139482053612	2.00E-04	1	0.0012	0	NA	NA
NM_003263	<i>TLR1</i>	0.402544298046343	0	2.00E-04	1	0.0012	0	NA	NA
NM_001098538	<i>PRR4</i>	0.402089959109496	0	2.00E-04	1	0.0012	0	NA	NA
NM_007244	<i>PRR4</i>	0.402089959109496	0	2.00E-04	1	0.0012	0	NA	NA

NM_007257	PNMA2	0.402089959109496	0	2.00E-04	1	0.0012	0	NA	NA
NM_021777	ADAM28	0.401635620172649	0	2.00E-04	1	0.0012	0	NA	NA
NM_014265	ADAM28	0.401635620172649	0	2.00E-04	1	0.0012	0	NA	NA
NM_001682	ATP2B1	0.401635620172649	0	2.00E-04	1	0.0012	0	NA	NA
NM_001001323	ATP2B1	0.401635620172649	0	2.00E-04	1	0.0012	0	NA	NA
NM_002677	PMP2	0.400726942298955	0	2.00E-04	1	0.0012	0	NA	NA
NM_001185149	CLDN24	0.400272603362108	0	2.00E-04	1	0.0012	0	NA	NA
NM_001271944	TFEB	0.400272603362108	0	2.00E-04	1	0.0012	0	NA	NA
NM_001271943	TFEB	0.400272603362108	0	2.00E-04	1	0.0012	0	NA	NA
NM_007162	TFEB	0.400272603362108	0	2.00E-04	1	0.0012	0	NA	NA
NM_152731	BEND6	0.399818264425261	0	2.00E-04	1	0.0012	0	NA	NA
NM_001136239	PRDM6	0.399363925488414	0	2.00E-04	1	0.0012	0	NA	NA
NM_175057	TAAR9	0.398909586551567	0	2.00E-04	1	0.0012	0	NA	NA
NR_024398	ZBED3-AS1	0.398455247614721	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005325	OR6M1	0.398000908677874	0	2.00E-04	1	0.0012	0	NA	NA
NM_139249	MS4A6E	0.397546569741027	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004752	OR51F1	0.396637891867333	0	2.00E-04	1	0.0012	0	NA	NA
NM_194324	TMSB15B	0.395729213993639	0	2.00E-04	1	0.0012	0	NA	NA
NM_001143989	NBPF4	0.395729213993639	0	2.00E-04	1	0.0012	0	NA	NA
NM_001001964	OR2T11	0.395729213993639	0	2.00E-04	1	0.0012	0	NA	NA
NM_004326	BCL9	0.395274875056792	0	2.00E-04	1	0.0012	0	NA	NA
NM_001243722	TP53TG3D	0.395274875056792	0	2.00E-04	1	0.0012	0	NA	NA
NM_000667	ADH1A	0.395274875056792	0	2.00E-04	1	0.0012	0	NA	NA
NM_001199091	TDRD5	0.394366197183099	0	2.00E-04	1	0.0012	0	NA	NA
NM_173533	TDRD5	0.394366197183099	0	2.00E-04	1	0.0012	0	NA	NA
NM_001199085	TDRD5	0.394366197183099	0	2.00E-04	1	0.0012	0	NA	NA
NM_001184695	MEPE	0.394366197183099	0	2.00E-04	1	0.0012	0	NA	NA
NM_001184697	MEPE	0.394366197183099	0	2.00E-04	1	0.0012	0	NA	NA
NM_001184696	MEPE	0.394366197183099	0	2.00E-04	1	0.0012	0	NA	NA
NM_020203	MEPE	0.394366197183099	0	2.00E-04	1	0.0012	0	NA	NA
NM_001077441	BCLAF1	0.394366197183099	0	2.00E-04	1	0.0012	0	NA	NA
NM_001077440	BCLAF1	0.394366197183099	0	2.00E-04	1	0.0012	0	NA	NA
NM_014739	BCLAF1	0.394366197183099	0	2.00E-04	1	0.0012	0	NA	NA
NM_000785	CYP27B1	0.403452975920036	0.00908677873693776	2.00E-04	1	0.0012	0	NA	NA
NM_001105522	TRIM49D2P	0.393911858246252	0	2.00E-04	1	0.0012	0	NA	NA
NR_045127	RAET1E-AS1	0.393457519309405	0	2.00E-04	1	0.0012	0	NA	NA
NM_145111	FAM200A	0.393457519309405	0	2.00E-04	1	0.0012	0	NA	NA
NR_024128	OR3A4P	0.393003180372558	0	2.00E-04	1	0.0012	0	NA	NA
NM_001136131	APP	0.392548841435711	0	2.00E-04	1	0.0012	0	NA	NA
NM_001136129	APP	0.392548841435711	0	2.00E-04	1	0.0012	0	NA	NA
NM_001204301	APP	0.392548841435711	0	2.00E-04	1	0.0012	0	NA	NA

NM_001204303	APP	0.392548841435711	0	2.00E-04	1	0.0012	0	NA	NA
NM_000484	APP	0.392548841435711	0	2.00E-04	1	0.0012	0	NA	NA
NM_201414	APP	0.392548841435711	0	2.00E-04	1	0.0012	0	NA	NA
NM_001136130	APP	0.392548841435711	0	2.00E-04	1	0.0012	0	NA	NA
NM_001204302	APP	0.392548841435711	0	2.00E-04	1	0.0012	0	NA	NA
NM_201413	APP	0.392548841435711	0	2.00E-04	1	0.0012	0	NA	NA
NM_005664	MKRN3	0.392094502498864	0	2.00E-04	1	0.0012	0	NA	NA
NM_173506	LYPD4	0.392094502498864	0	2.00E-04	1	0.0012	0	NA	NA
NM_002241	KCNJ10	0.391640163562017	0	2.00E-04	1	0.0012	0	NA	NA
NM_052938	FCRL1	0.390731485688323	0	2.00E-04	1	0.0012	0	NA	NA
NM_001159398	FCRL1	0.390731485688323	0	2.00E-04	1	0.0012	0	NA	NA
NM_001159397	FCRL1	0.390731485688323	0	2.00E-04	1	0.0012	0	NA	NA
NM_001001961	OR13C3	0.390731485688323	0	2.00E-04	1	0.0012	0	NA	NA
NM_001083615	MYO3B	0.390277146751477	0	2.00E-04	1	0.0012	0	NA	NA
NM_138995	MYO3B	0.390277146751477	0	2.00E-04	1	0.0012	0	NA	NA
NR_045684	MYO3B	0.390277146751477	0	2.00E-04	1	0.0012	0	NA	NA
NR_045683	MYO3B	0.390277146751477	0	2.00E-04	1	0.0012	0	NA	NA
NR_045682	MYO3B	0.390277146751477	0	2.00E-04	1	0.0012	0	NA	NA
NM_001142538	LGALS12	0.389368468877783	0	2.00E-04	1	0.0012	0	NA	NA
NM_001142537	LGALS12	0.389368468877783	0	2.00E-04	1	0.0012	0	NA	NA
NM_018932	PCDHB12	0.388459791004089	0	2.00E-04	1	0.0012	0	NA	NA
NM_002427	MMP13	0.388459791004089	0	2.00E-04	1	0.0012	0	NA	NA
NM_016073	HDGFRP3	0.388005452067242	0	2.00E-04	1	0.0012	0	NA	NA
NM_032412	CYSTM1	0.387096774193548	0	2.00E-04	1	0.0012	0	NA	NA
NM_001128211	NUDCD1	0.387096774193548	0	2.00E-04	1	0.0012	0	NA	NA
NM_001284237	ZFYVE16	0.386642435256701	0	2.00E-04	1	0.0012	0	NA	NA
NM_001105251	ZFYVE16	0.386642435256701	0	2.00E-04	1	0.0012	0	NA	NA
NM_001284236	ZFYVE16	0.386642435256701	0	2.00E-04	1	0.0012	0	NA	NA
NM_014733	ZFYVE16	0.386642435256701	0	2.00E-04	1	0.0012	0	NA	NA
NM_001242648	PHACTR1	0.386642435256701	0	2.00E-04	1	0.0012	0	NA	NA
NM_030948	PHACTR1	0.386642435256701	0	2.00E-04	1	0.0012	0	NA	NA
NM_004179	TPH1	0.386642435256701	0	2.00E-04	1	0.0012	0	NA	NA
NR_073396	ZNF818P	0.386188096319855	0	2.00E-04	1	0.0012	0	NA	NA
NM_078629	MSL3	0.386188096319855	0	2.00E-04	1	0.0012	0	NA	NA
NM_078628	MSL3	0.386188096319855	0	2.00E-04	1	0.0012	0	NA	NA
NM_001282174	MSL3	0.386188096319855	0	2.00E-04	1	0.0012	0	NA	NA
NR_034154	COLCA1	0.385279418446161	0	2.00E-04	1	0.0012	0	NA	NA
NM_005164	ABCD2	0.385279418446161	0	2.00E-04	1	0.0012	0	NA	NA
NM_004106	FCER1G	0.384825079509314	0	2.00E-04	1	0.0012	0	NA	NA
NM_001001916	OR52J3	0.384370740572467	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004461	OR10A6	0.384370740572467	0	2.00E-04	1	0.0012	0	NA	NA

NM_001252195	<i>C9orf24</i>	0.384370740572467	0	2.00E-04	1	0.0012	0	NA	NA
NM_147169	<i>C9orf24</i>	0.384370740572467	0	2.00E-04	1	0.0012	0	NA	NA
NM_147168	<i>C9orf24</i>	0.384370740572467	0	2.00E-04	1	0.0012	0	NA	NA
NM_007184	<i>NISCH</i>	0.38391640163562	0	2.00E-04	1	0.0012	0	NA	NA
NM_001276294	<i>NISCH</i>	0.38391640163562	0	2.00E-04	1	0.0012	0	NA	NA
NM_001276293	<i>NISCH</i>	0.38391640163562	0	2.00E-04	1	0.0012	0	NA	NA
NM_001145287	<i>OPRM1</i>	0.38391640163562	0	2.00E-04	1	0.0012	0	NA	NA
NM_004045	<i>ATOX1</i>	0.383462062698773	0	2.00E-04	1	0.0012	0	NA	NA
NM_001127454	<i>DFNA5</i>	0.383007723761926	0	2.00E-04	1	0.0012	0	NA	NA
NM_004403	<i>DFNA5</i>	0.383007723761926	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004702	<i>OR4C3</i>	0.38255338482508	0	2.00E-04	1	0.0012	0	NA	NA
NM_001002035	<i>DEFB108B</i>	0.38255338482508	0	2.00E-04	1	0.0012	0	NA	NA
NM_001137608	<i>ZNF732</i>	0.38255338482508	0	2.00E-04	1	0.0012	0	NA	NA
NM_174858	<i>AK5</i>	0.382099045888233	0	2.00E-04	1	0.0012	0	NA	NA
NM_203436	<i>ASCL4</i>	0.382099045888233	0	2.00E-04	1	0.0012	0	NA	NA
NM_003006	<i>SELPLG</i>	0.382099045888233	0	2.00E-04	1	0.0012	0	NA	NA
NR_024359	<i>LINC00086</i>	0.381644706951386	0	2.00E-04	1	0.0012	0	NA	NA
NM_001173484	<i>NEBL</i>	0.381644706951386	0	2.00E-04	1	0.0012	0	NA	NA
NM_213569	<i>NEBL</i>	0.381644706951386	0	2.00E-04	1	0.0012	0	NA	NA
NM_001115131	<i>C6</i>	0.381644706951386	0	2.00E-04	1	0.0012	0	NA	NA
NM_005441	<i>CHAF1B</i>	0.381190368014539	0	2.00E-04	1	0.0012	0	NA	NA
NM_006175	<i>NRAP</i>	0.381190368014539	0	2.00E-04	1	0.0012	0	NA	NA
NM_198060	<i>NRAP</i>	0.381190368014539	0	2.00E-04	1	0.0012	0	NA	NA
NM_001261463	<i>NRAP</i>	0.381190368014539	0	2.00E-04	1	0.0012	0	NA	NA
NM_001099283	<i>ZNF239</i>	0.380736029077692	0	2.00E-04	1	0.0012	0	NA	NA
NM_001099282	<i>ZNF239</i>	0.380736029077692	0	2.00E-04	1	0.0012	0	NA	NA
NM_001099284	<i>ZNF239</i>	0.380736029077692	0	2.00E-04	1	0.0012	0	NA	NA
NR_002714	<i>REG1P</i>	0.380281690140845	0	2.00E-04	1	0.0012	0	NA	NA
NM_002100	<i>GYPB</i>	0.379827351203998	0	2.00E-04	1	0.0012	0	NA	NA
NM_001146181	<i>LOC649330</i>	0.379373012267151	0	2.00E-04	1	0.0012	0	NA	NA
NM_001267614	<i>GPR161</i>	0.379373012267151	0	2.00E-04	1	0.0012	0	NA	NA
NM_001267611	<i>GPR161</i>	0.379373012267151	0	2.00E-04	1	0.0012	0	NA	NA
NM_001267610	<i>GPR161</i>	0.379373012267151	0	2.00E-04	1	0.0012	0	NA	NA
NM_001267609	<i>GPR161</i>	0.379373012267151	0	2.00E-04	1	0.0012	0	NA	NA
NM_000870	<i>HTR4</i>	0.415265788278055	0.0358927760109041	2.00E-04	1	0.0012	0	NA	NA
NM_001040448	<i>DEFB131</i>	0.378918673330304	0	2.00E-04	1	0.0012	0	NA	NA
NM_002591	<i>PCK1</i>	0.378464334393458	0	2.00E-04	1	0.0012	0	NA	NA
NM_016162	<i>ING4</i>	0.378464334393458	0	2.00E-04	1	0.0012	0	NA	NA
NM_001127585	<i>ING4</i>	0.378464334393458	0	2.00E-04	1	0.0012	0	NA	NA
NM_001127584	<i>ING4</i>	0.378464334393458	0	2.00E-04	1	0.0012	0	NA	NA
NM_001127583	<i>ING4</i>	0.378464334393458	0	2.00E-04	1	0.0012	0	NA	NA



NM_001127586	ING4	0.378464334393458	0	2.00E-04	1	0.0012	0	NA	NA
NM_001127582	ING4	0.378464334393458	0	2.00E-04	1	0.0012	0	NA	NA
NM_001162916	TYW3	0.378009995456611	0	2.00E-04	1	0.0012	0	NA	NA
NR_038321	OR51B5	0.378009995456611	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005567	OR51B5	0.378009995456611	0	2.00E-04	1	0.0012	0	NA	NA
NM_207305	FOXD4	0.378009995456611	0	2.00E-04	1	0.0012	0	NA	NA
NM_005521	TLX1	0.377101317582917	0	2.00E-04	1	0.0012	0	NA	NA
NM_001195517	TLX1	0.377101317582917	0	2.00E-04	1	0.0012	0	NA	NA
NM_001204067	ANKS1B	0.37664697864607	0	2.00E-04	1	0.0012	0	NA	NA
NM_001754	RUNX1	0.37664697864607	0	2.00E-04	1	0.0012	0	NA	NA
NM_139202	MLC1	0.37664697864607	0	2.00E-04	1	0.0012	0	NA	NA
NM_138467	TYW3	0.376192639709223	0	2.00E-04	1	0.0012	0	NA	NA
NM_001206955	CNTN4	0.375283961835529	0	2.00E-04	1	0.0012	0	NA	NA
NM_175884	CCDC71L	0.375283961835529	0	2.00E-04	1	0.0012	0	NA	NA
NM_024569	MPZL1	0.374829622898682	0	2.00E-04	1	0.0012	0	NA	NA
NM_003953	MPZL1	0.374829622898682	0	2.00E-04	1	0.0012	0	NA	NA
NM_001146191	MPZL1	0.374829622898682	0	2.00E-04	1	0.0012	0	NA	NA
NM_004570	PIK3C2G	0.374829622898682	0	2.00E-04	1	0.0012	0	NA	NA
NM_014879	P2RY14	0.374375283961836	0	2.00E-04	1	0.0012	0	NA	NA
NM_001102386	GNAT3	0.374375283961836	0	2.00E-04	1	0.0012	0	NA	NA
NM_178844	NLRC3	0.373920945024989	0	2.00E-04	1	0.0012	0	NA	NA
NR_075083	NLRC3	0.373920945024989	0	2.00E-04	1	0.0012	0	NA	NA
NM_004502	HOXB7	0.373466606088142	0	2.00E-04	1	0.0012	0	NA	NA
NM_001721	BMX	0.373012267151295	0	2.00E-04	1	0.0012	0	NA	NA
NM_001271900	PPP2R2B	0.373012267151295	0	2.00E-04	1	0.0012	0	NA	NA
NM_181678	PPP2R2B	0.373012267151295	0	2.00E-04	1	0.0012	0	NA	NA
NM_181677	PPP2R2B	0.373012267151295	0	2.00E-04	1	0.0012	0	NA	NA
NM_001271899	PPP2R2B	0.373012267151295	0	2.00E-04	1	0.0012	0	NA	NA
NM_198514	NHLRC2	0.372557928214448	0	2.00E-04	1	0.0012	0	NA	NA
NM_031413	CECR2	0.372557928214448	0	2.00E-04	1	0.0012	0	NA	NA
NM_001195260	PDE4DIP	0.502498864152658	0.12994093593821	2.00E-04	1	0.0012	0	NA	NA
NM_001073	UGT2B11	0.372557928214448	0	2.00E-04	1	0.0012	0	NA	NA
NM_178335	CCDC50	0.372103589277601	0	2.00E-04	1	0.0012	0	NA	NA
NM_174908	CCDC50	0.372103589277601	0	2.00E-04	1	0.0012	0	NA	NA
NM_005963	MYH1	0.371649250340754	0	2.00E-04	1	0.0012	0	NA	NA
NM_015431	TRIM58	0.371194911403907	0	2.00E-04	1	0.0012	0	NA	NA
NM_013989	DIO2	0.371194911403907	0	2.00E-04	1	0.0012	0	NA	NA
NR_030295	MIR569	0.37074057246706	0	2.00E-04	1	0.0012	0	NA	NA
NM_006735	HOXA2	0.370286233530214	0	2.00E-04	1	0.0012	0	NA	NA
NM_001130025	FAM115C	0.369831894593367	0	2.00E-04	1	0.0012	0	NA	NA
NM_198566	C5orf34	0.369831894593367	0	2.00E-04	1	0.0012	0	NA	NA

NM_000724	CACNB2	0.368923216719673	0	2.00E-04	1	0.0012	0	NA	NA
NM_001184692	NPNT	0.368923216719673	0	2.00E-04	1	0.0012	0	NA	NA
NM_001184693	NPNT	0.368923216719673	0	2.00E-04	1	0.0012	0	NA	NA
NM_001184691	NPNT	0.368923216719673	0	2.00E-04	1	0.0012	0	NA	NA
NM_001184690	NPNT	0.368923216719673	0	2.00E-04	1	0.0012	0	NA	NA
NM_001033047	NPNT	0.368923216719673	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004490	OR2AG2	0.368468877782826	0	2.00E-04	1	0.0012	0	NA	NA
NM_001639	APCS	0.368014538845979	0	2.00E-04	1	0.0012	0	NA	NA
NM_144596	TTC8	0.367560199909132	0	2.00E-04	1	0.0012	0	NA	NA
NM_198309	TTC8	0.367560199909132	0	2.00E-04	1	0.0012	0	NA	NA
NM_198310	TTC8	0.367560199909132	0	2.00E-04	1	0.0012	0	NA	NA
NM_001178142	TFDP2	0.412085415720127	0.0449795547478419	2.00E-04	1	0.0012	0	NA	NA
NM_001178141	TFDP2	0.412085415720127	0.0449795547478419	2.00E-04	1	0.0012	0	NA	NA
NM_006286	TFDP2	0.412085415720127	0.0449795547478419	2.00E-04	1	0.0012	0	NA	NA
NM_016396	CTDSPL2	0.367105860972285	0	2.00E-04	1	0.0012	0	NA	NA
NM_024506	GLB1L	0.367105860972285	0	2.00E-04	1	0.0012	0	NA	NA
NR_030228	MIR503	0.367105860972285	0	2.00E-04	1	0.0012	0	NA	NA
NM_006408	AGR2	0.366651522035438	0	2.00E-04	1	0.0012	0	NA	NA
NR_027962	TYW3	0.366197183098592	0	2.00E-04	1	0.0012	0	NA	NA
NM_005863	NET1	0.366197183098592	0	2.00E-04	1	0.0012	0	NA	NA
NR_073040	NET1	0.366197183098592	0	2.00E-04	1	0.0012	0	NA	NA
NM_001174130	SLC11A2	0.366197183098592	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005279	OR6K2	0.365742844161745	0	2.00E-04	1	0.0012	0	NA	NA
NM_138318	KCNK10	0.365742844161745	0	2.00E-04	1	0.0012	0	NA	NA
NM_004904	CREB5	0.365288505224898	0	2.00E-04	1	0.0012	0	NA	NA
NM_152453	TMCO5A	0.364834166288051	0	2.00E-04	1	0.0012	0	NA	NA
NM_001278426	LILRB4	0.364834166288051	0	2.00E-04	1	0.0012	0	NA	NA
NM_001278427	LILRB4	0.364834166288051	0	2.00E-04	1	0.0012	0	NA	NA
NM_001278429	LILRB4	0.364834166288051	0	2.00E-04	1	0.0012	0	NA	NA
NM_001278430	LILRB4	0.364834166288051	0	2.00E-04	1	0.0012	0	NA	NA
NM_001278428	LILRB4	0.364834166288051	0	2.00E-04	1	0.0012	0	NA	NA
NM_001256570	RXRG	0.364834166288051	0	2.00E-04	1	0.0012	0	NA	NA
NM_006917	RXRG	0.364834166288051	0	2.00E-04	1	0.0012	0	NA	NA
NR_033824	RXRG	0.364834166288051	0	2.00E-04	1	0.0012	0	NA	NA
NM_005142	GIF	0.364379827351204	0	2.00E-04	1	0.0012	0	NA	NA
NM_033183	CGB8	0.364379827351204	0	2.00E-04	1	0.0012	0	NA	NA
NM_014585	SLC40A1	0.363925488414357	0	2.00E-04	1	0.0012	0	NA	NA
NM_001206480	ELMO1	0.39118582462517	0.0272603362108133	2.00E-04	1	0.0012	0	NA	NA
NM_007122	USF1	0.36347114947751	0	2.00E-04	1	0.0012	0	NA	NA
NM_207005	USF1	0.36347114947751	0	2.00E-04	1	0.0012	0	NA	NA
NM_000433	NCF2	0.36347114947751	0	2.00E-04	1	0.0012	0	NA	NA

NM_001190789	<i>NCF2</i>	0.36347114947751	0	2.00E-04	1	0.0012	0	NA	NA
NM_001190794	<i>NCF2</i>	0.36347114947751	0	2.00E-04	1	0.0012	0	NA	NA
NM_014464	<i>TINAG</i>	0.363016810540663	0	2.00E-04	1	0.0012	0	NA	NA
NM_001017923	<i>C14orf28</i>	0.362562471603816	0	2.00E-04	1	0.0012	0	NA	NA
NM_013308	<i>GPR171</i>	0.362562471603816	0	2.00E-04	1	0.0012	0	NA	NA
NM_001204399	<i>PITX2</i>	0.36210813266697	0	2.00E-04	1	0.0012	0	NA	NA
NM_001204398	<i>PITX2</i>	0.36210813266697	0	2.00E-04	1	0.0012	0	NA	NA
NM_001204397	<i>PITX2</i>	0.36210813266697	0	2.00E-04	1	0.0012	0	NA	NA
NM_153426	<i>PITX2</i>	0.36210813266697	0	2.00E-04	1	0.0012	0	NA	NA
NM_153427	<i>PITX2</i>	0.36210813266697	0	2.00E-04	1	0.0012	0	NA	NA
NM_033191	<i>KRTAP9-4</i>	0.361653793730123	0	2.00E-04	1	0.0012	0	NA	NA
NM_001037333	<i>CYFIP2</i>	0.361199454793276	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005161	<i>OR52B4</i>	0.360745115856429	0	2.00E-04	1	0.0012	0	NA	NA
NM_176884	<i>TAS2R43</i>	0.360745115856429	0	2.00E-04	1	0.0012	0	NA	NA
NM_006507	<i>REG1B</i>	0.360745115856429	0	2.00E-04	1	0.0012	0	NA	NA
NM_173525	<i>C11orf42</i>	0.359836437982735	0	2.00E-04	1	0.0012	0	NA	NA
NM_138775	<i>ALKBH8</i>	0.359836437982735	0	2.00E-04	1	0.0012	0	NA	NA
NM_006514	<i>SCN10A</i>	0.359836437982735	0	2.00E-04	1	0.0012	0	NA	NA
NM_016945	<i>TAS2R16</i>	0.359836437982735	0	2.00E-04	1	0.0012	0	NA	NA
NM_033058	<i>TRIM55</i>	0.393911858246252	0.0345297592003635	2.00E-04	1	0.0012	0	NA	NA
NM_184087	<i>TRIM55</i>	0.393911858246252	0.0345297592003635	2.00E-04	1	0.0012	0	NA	NA
NM_184086	<i>TRIM55</i>	0.393911858246252	0.0345297592003635	2.00E-04	1	0.0012	0	NA	NA
NM_184085	<i>TRIM55</i>	0.393911858246252	0.0345297592003635	2.00E-04	1	0.0012	0	NA	NA
NM_001004485	<i>OR13F1</i>	0.359382099045888	0	2.00E-04	1	0.0012	0	NA	NA
NM_001145862	<i>MTMR11</i>	0.358927760109041	0	2.00E-04	1	0.0012	0	NA	NA
NM_002704	<i>PPBP</i>	0.358473421172194	0	2.00E-04	1	0.0012	0	NA	NA
NM_005622	<i>ACSM3</i>	0.358019082235348	0	2.00E-04	1	0.0012	0	NA	NA
NM_202000	<i>ACSM3</i>	0.358019082235348	0	2.00E-04	1	0.0012	0	NA	NA
NM_000463	<i>UGT1A1</i>	0.358019082235348	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005236	<i>OR1L1</i>	0.358019082235348	0	2.00E-04	1	0.0012	0	NA	NA
NM_201591	<i>GPM6A</i>	0.358019082235348	0	2.00E-04	1	0.0012	0	NA	NA
NM_014924	<i>ATG14</i>	0.369831894593367	0.0118128123580191	2.00E-04	1	0.0012	0	NA	NA
NR_026716	<i>KIR3DX1</i>	0.357564743298501	0	2.00E-04	1	0.0012	0	NA	NA
NR_104095	<i>KIR3DX1</i>	0.357564743298501	0	2.00E-04	1	0.0012	0	NA	NA
NR_104096	<i>KIR3DX1</i>	0.357564743298501	0	2.00E-04	1	0.0012	0	NA	NA
NR_104097	<i>KIR3DX1</i>	0.357564743298501	0	2.00E-04	1	0.0012	0	NA	NA
NM_001207024	<i>M6PR</i>	0.357110404361654	0	2.00E-04	1	0.0012	0	NA	NA
NM_002355	<i>M6PR</i>	0.357110404361654	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004705	<i>OR4D10</i>	0.368923216719673	0.0118128123580191	2.00E-04	1	0.0012	0	NA	NA
NM_001258452	<i>FBXO18</i>	0.35620172648796	0	2.00E-04	1	0.0012	0	NA	NA
NM_003221	<i>TFAP2B</i>	0.35620172648796	0	2.00E-04	1	0.0012	0	NA	NA

NM_001080508	TBX18	0.35620172648796	0	2.00E-04	1	0.0012	0	NA	NA
NM_006901	MYO9A	0.355747387551113	0	2.00E-04	1	0.0012	0	NA	NA
NM_001135699	YWHAZ	0.355747387551113	0	2.00E-04	1	0.0012	0	NA	NA
NM_024599	RHBDF2	0.354838709677419	0	2.00E-04	1	0.0012	0	NA	NA
NM_001007531	NKAPL	0.354384370740572	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005495	OR2T3	0.353930031803726	0	2.00E-04	1	0.0012	0	NA	NA
NM_000737	CGB	0.353930031803726	0	2.00E-04	1	0.0012	0	NA	NA
NM_006748	SLA	0.353930031803726	0	2.00E-04	1	0.0012	0	NA	NA
NM_152570	LINGO2	0.353930031803726	0	2.00E-04	1	0.0012	0	NA	NA
NM_000220	KCNJ1	0.568378009995457	0.214447978191731	2.00E-04	1	0.0012	0	1	0.0682
NM_001004723	OR4N2	0.468877782825988	0.114947751022263	2.00E-04	1	0.0012	0	NA	NA
NM_175064	SPDYE1	0.353475692866879	0	2.00E-04	1	0.0012	0	NA	NA
NM_001109754	PTPRB	0.353475692866879	0	2.00E-04	1	0.0012	0	NA	NA
NM_005123	NR1H4	0.353021353930032	0	2.00E-04	1	0.0012	0	NA	NA
NM_001206978	NR1H4	0.353021353930032	0	2.00E-04	1	0.0012	0	NA	NA
NM_001206977	NR1H4	0.353021353930032	0	2.00E-04	1	0.0012	0	NA	NA
NM_001206979	NR1H4	0.353021353930032	0	2.00E-04	1	0.0012	0	NA	NA
NM_020870	SH3RF1	0.353021353930032	0	2.00E-04	1	0.0012	0	NA	NA
NM_001198541	ERAP1	0.359836437982735	0.00681508405270332	2.00E-04	1	0.0012	0	NA	NA
NM_001163677	KCNMB3	0.352567014993185	0	2.00E-04	1	0.0012	0	NA	NA
NM_171828	KCNMB3	0.352567014993185	0	2.00E-04	1	0.0012	0	NA	NA
NM_001001919	OR13C4	0.352567014993185	0	2.00E-04	1	0.0012	0	NA	NA
NM_015641	TES	0.504770558836892	0.152657882780554	2.00E-04	1	0.0012	0	NA	NA
NM_001278505	GPATCH11	0.482507950931395	0.130849613811904	2.00E-04	1	0.0012	0	NA	NA
NM_174931	GPATCH11	0.482507950931395	0.130849613811904	2.00E-04	1	0.0012	0	NA	NA
NM_001243429	ERG	0.351658337119491	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005202	OR8K3	0.498864152657883	0.147660154475239	2.00E-04	1	0.0012	0	NA	NA
NM_001004473	OR10K1	0.350749659245797	0	2.00E-04	1	0.0012	0	NA	NA
NM_001243723	SETMAR	0.350749659245797	0	2.00E-04	1	0.0012	0	NA	NA
NM_006515	SETMAR	0.350749659245797	0	2.00E-04	1	0.0012	0	NA	NA
NM_001276325	SETMAR	0.350749659245797	0	2.00E-04	1	0.0012	0	NA	NA
NR_075073	SETMAR	0.350749659245797	0	2.00E-04	1	0.0012	0	NA	NA
NM_052867	NALCN	0.350749659245797	0	2.00E-04	1	0.0012	0	NA	NA
NR_002601	FMO6P	0.35029532030895	0	2.00E-04	1	0.0012	0	NA	NA
NM_033122	CABS1	0.35029532030895	0	2.00E-04	1	0.0012	0	NA	NA
NM_001127641	LAMB3	0.35029532030895	0	2.00E-04	1	0.0012	0	NA	NA
NR_034036	LOC100130452	0.35029532030895	0	2.00E-04	1	0.0012	0	NA	NA
NM_001167827	TFEB	0.349840981372104	0	2.00E-04	1	0.0012	0	NA	NA
NM_020133	AGPAT4	0.453430258973194	0.10358927760109	2.00E-04	1	0.0012	0	NA	NA
NM_014865	NCAPD2	0.349386642435257	0	2.00E-04	1	0.0012	0	NA	NA
NM_002935	RNASE3	0.349386642435257	0	2.00E-04	1	0.0012	0	NA	NA

NM_000228	LAMB3	0.349386642435257	0	2.00E-04	1	0.0012	0	NA	NA
NM_022569	NDST4	0.34893230349841	0	2.00E-04	1	0.0012	0	NA	NA
NM_001130713	LEF1	0.348477964561563	0	2.00E-04	1	0.0012	0	NA	NA
NM_001130714	LEF1	0.348477964561563	0	2.00E-04	1	0.0012	0	NA	NA
NM_016269	LEF1	0.348477964561563	0	2.00E-04	1	0.0012	0	NA	NA
NM_001122757	POU1F1	0.348023625624716	0	2.00E-04	1	0.0012	0	NA	NA
NM_000306	POU1F1	0.348023625624716	0	2.00E-04	1	0.0012	0	NA	NA
NM_001251987	TRDN	0.435711040436165	0.0876874148114493	2.00E-04	1	0.0012	0	NA	NA
NM_006073	TRDN	0.435711040436165	0.0876874148114493	2.00E-04	1	0.0012	0	NA	NA
NM_001256022	TRDN	0.435711040436165	0.0876874148114493	2.00E-04	1	0.0012	0	NA	NA
NM_001256021	TRDN	0.435711040436165	0.0876874148114493	2.00E-04	1	0.0012	0	NA	NA
NM_001256020	TRDN	0.435711040436165	0.0876874148114493	2.00E-04	1	0.0012	0	NA	NA
NM_003262	SEC62	0.347569286687869	0	2.00E-04	1	0.0012	0	NA	NA
NM_024015	HOXB4	0.347569286687869	0	2.00E-04	1	0.0012	0	NA	NA
NR_026830	SATB2-AS1	0.346660608814175	0	2.00E-04	1	0.0012	0	NA	NA
NM_001204078	ATP6V1G2	0.346660608814175	0	2.00E-04	1	0.0012	0	NA	NA
NM_138282	ATP6V1G2	0.346660608814175	0	2.00E-04	1	0.0012	0	NA	NA
NR_037853	ATP6V1G2-DDX39B	0.346660608814175	0	2.00E-04	1	0.0012	0	NA	NA
NM_130463	ATP6V1G2	0.346660608814175	0	2.00E-04	1	0.0012	0	NA	NA
NM_030958	SLCO5A1	0.346660608814175	0	2.00E-04	1	0.0012	0	NA	NA
NR_036454	CHMP3	0.345751930940482	0	2.00E-04	1	0.0012	0	NA	NA
NM_016079	CHMP3	0.345751930940482	0	2.00E-04	1	0.0012	0	NA	NA
NM_001193517	CHMP3	0.345751930940482	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005753	CHMP3	0.345751930940482	0	2.00E-04	1	0.0012	0	NA	NA
NM_012352	OR1A2	0.344388914129941	0	2.00E-04	1	0.0012	0	NA	NA
NM_001166281	MUSK	0.343934575193094	0	2.00E-04	1	0.0012	0	NA	NA
NM_001166280	MUSK	0.343934575193094	0	2.00E-04	1	0.0012	0	NA	NA
NM_005592	MUSK	0.343934575193094	0	2.00E-04	1	0.0012	0	NA	NA
NM_152722	HEPACAM	0.343934575193094	0	2.00E-04	1	0.0012	0	NA	NA
NM_004365	CETN3	0.343934575193094	0	2.00E-04	1	0.0012	0	NA	NA
NM_015549	PLEKHG3	0.343480236256247	0	2.00E-04	1	0.0012	0	NA	NA
NM_001144956	RIIAD1	0.3430258973194	0	2.00E-04	1	0.0012	0	NA	NA
NR_026939	CASC2	0.3430258973194	0	2.00E-04	1	0.0012	0	NA	NA
NR_026940	CASC2	0.3430258973194	0	2.00E-04	1	0.0012	0	NA	NA
NR_026941	CASC2	0.3430258973194	0	2.00E-04	1	0.0012	0	NA	NA
NM_003005	SELP	0.342571558382553	0	2.00E-04	1	0.0012	0	NA	NA
NM_001905	CTPS1	0.342117219445706	0	2.00E-04	1	0.0012	0	NA	NA
NM_012295	CABIN1	0.342117219445706	0	2.00E-04	1	0.0012	0	NA	NA
NM_001201429	CABIN1	0.342117219445706	0	2.00E-04	1	0.0012	0	NA	NA
NM_001199281	CABIN1	0.342117219445706	0	2.00E-04	1	0.0012	0	NA	NA
NM_001281429	PCED1B	0.341208541572013	0	2.00E-04	1	0.0012	0	NA	NA

NM_138371	<i>PCED1B</i>	0.341208541572013	0	2.00E-04	1	0.0012	0	NA	NA
NM_002811	<i>PSMD7</i>	0.341208541572013	0	2.00E-04	1	0.0012	0	NA	NA
NM_004162	<i>RAB5A</i>	0.341208541572013	0	2.00E-04	1	0.0012	0	NA	NA
NM_001161586	<i>ME3</i>	0.341208541572013	0	2.00E-04	1	0.0012	0	NA	NA
NM_001242503	<i>DIO2</i>	0.341208541572013	0	2.00E-04	1	0.0012	0	NA	NA
NM_001242502	<i>DIO2</i>	0.341208541572013	0	2.00E-04	1	0.0012	0	NA	NA
NM_001007023	<i>DIO2</i>	0.341208541572013	0	2.00E-04	1	0.0012	0	NA	NA
NM_005047	<i>PSMD5</i>	0.341208541572013	0	2.00E-04	1	0.0012	0	NA	NA
NM_001270427	<i>PSMD5</i>	0.341208541572013	0	2.00E-04	1	0.0012	0	NA	NA
NM_145248	<i>SPACA7</i>	0.340754202635166	0	2.00E-04	1	0.0012	0	NA	NA
NM_181619	<i>KRTAP21-1</i>	0.340754202635166	0	2.00E-04	1	0.0012	0	NA	NA
NR_036441	<i>VRK2</i>	0.340299863698319	0	2.00E-04	1	0.0012	0	NA	NA
NM_001130480	<i>VRK2</i>	0.340299863698319	0	2.00E-04	1	0.0012	0	NA	NA
NM_001130482	<i>VRK2</i>	0.340299863698319	0	2.00E-04	1	0.0012	0	NA	NA
NM_001130483	<i>VRK2</i>	0.340299863698319	0	2.00E-04	1	0.0012	0	NA	NA
NM_006296	<i>VRK2</i>	0.340299863698319	0	2.00E-04	1	0.0012	0	NA	NA
NR_049781	<i>VRK2</i>	0.340299863698319	0	2.00E-04	1	0.0012	0	NA	NA
NM_001139444	<i>TRAPPC3L</i>	0.340299863698319	0	2.00E-04	1	0.0012	0	NA	NA
NM_199227	<i>METAP1D</i>	0.339845524761472	0	2.00E-04	1	0.0012	0	NA	NA
NM_022483	<i>C5orf28</i>	0.494320763289414	0.154475238527942	2.00E-04	1	0.0012	0	NA	NA
NM_015299	<i>KHNYN</i>	0.339391185824625	0	2.00E-04	1	0.0012	0	NA	NA
NR_033579	<i>CSPG4P8</i>	0.339391185824625	0	2.00E-04	1	0.0012	0	NA	NA
NM_007351	<i>MMRN1</i>	0.339391185824625	0	2.00E-04	1	0.0012	0	NA	NA
NM_001146344	<i>PRAMEF11</i>	0.338936846887778	0	2.00E-04	1	0.0012	0	NA	NA
NM_002974	<i>SERPINB4</i>	0.338482507950931	0	2.00E-04	1	0.0012	0	NA	NA
NM_016039	<i>C14orf166</i>	0.338028169014085	0	2.00E-04	1	0.0012	0	NA	NA
NM_012176	<i>FBXO4</i>	0.338028169014085	0	2.00E-04	1	0.0012	0	NA	NA
NM_033484	<i>FBXO4</i>	0.338028169014085	0	2.00E-04	1	0.0012	0	NA	NA
NM_013333	<i>EPN1</i>	0.337573830077238	0	2.00E-04	1	0.0012	0	NA	NA
NM_001130072	<i>EPN1</i>	0.337573830077238	0	2.00E-04	1	0.0012	0	NA	NA
NM_001146267	<i>GPR85</i>	0.337573830077238	0	2.00E-04	1	0.0012	0	NA	NA
NM_005454	<i>CER1</i>	0.337573830077238	0	2.00E-04	1	0.0012	0	NA	NA
NM_001100874	<i>SLC9B1</i>	0.337119491140391	0	2.00E-04	1	0.0012	0	NA	NA
NM_139173	<i>SLC9B1</i>	0.337119491140391	0	2.00E-04	1	0.0012	0	NA	NA
NR_047515	<i>SLC9B1</i>	0.337119491140391	0	2.00E-04	1	0.0012	0	NA	NA
NR_047513	<i>SLC9B1</i>	0.337119491140391	0	2.00E-04	1	0.0012	0	NA	NA
NM_007191	<i>WIF1</i>	0.336665152203544	0	2.00E-04	1	0.0012	0	NA	NA
NM_007107	<i>SSR3</i>	0.409359382099046	0.072694229895502	2.00E-04	1	0.0012	0	NA	NA
NM_001005170	<i>OR52I2</i>	0.336210813266697	0	2.00E-04	1	0.0012	0	NA	NA
NM_001964	<i>EGR1</i>	0.336210813266697	0	2.00E-04	1	0.0012	0	NA	NA
NM_001141945	<i>ACTA2</i>	0.336210813266697	0	2.00E-04	1	0.0012	0	NA	NA

NM_002187	<i>IL12B</i>	0.335302135393003	0	2.00E-04	1	0.0012	0	NA	NA
NM_001137548	<i>FAM25C</i>	0.334393457519309	0	2.00E-04	1	0.0012	0	NA	NA
NM_001137549	<i>FAM25G</i>	0.334393457519309	0	2.00E-04	1	0.0012	0	NA	NA
NM_001177704	<i>FREM1</i>	0.334393457519309	0	2.00E-04	1	0.0012	0	NA	NA
NM_001136194	<i>FASTKD2</i>	0.333939118582463	0	2.00E-04	1	0.0012	0	NA	NA
NM_001136193	<i>FASTKD2</i>	0.333939118582463	0	2.00E-04	1	0.0012	0	NA	NA
NM_014929	<i>FASTKD2</i>	0.333939118582463	0	2.00E-04	1	0.0012	0	NA	NA
NM_003241	<i>TGM4</i>	0.333939118582463	0	2.00E-04	1	0.0012	0	NA	NA
NM_001001914	<i>OR2G3</i>	0.333484779645616	0	2.00E-04	1	0.0012	0	NA	NA
NM_001199622	<i>NCOA7</i>	0.332576101771922	0	2.00E-04	1	0.0012	0	NA	NA
NM_203395	<i>IYD</i>	0.332576101771922	0	2.00E-04	1	0.0012	0	NA	NA
NM_001164695	<i>IYD</i>	0.332576101771922	0	2.00E-04	1	0.0012	0	NA	NA
NM_001164694	<i>IYD</i>	0.332576101771922	0	2.00E-04	1	0.0012	0	NA	NA
NM_001146333	<i>SUMF2</i>	0.332576101771922	0	2.00E-04	1	0.0012	0	NA	NA
NM_001130069	<i>SUMF2</i>	0.332576101771922	0	2.00E-04	1	0.0012	0	NA	NA
NM_015411	<i>SUMF2</i>	0.332576101771922	0	2.00E-04	1	0.0012	0	NA	NA
NM_001042469	<i>SUMF2</i>	0.332576101771922	0	2.00E-04	1	0.0012	0	NA	NA
NM_001042470	<i>SUMF2</i>	0.332576101771922	0	2.00E-04	1	0.0012	0	NA	NA
NM_001159353	<i>REG4</i>	0.332576101771922	0	2.00E-04	1	0.0012	0	NA	NA
NM_001159352	<i>REG4</i>	0.332576101771922	0	2.00E-04	1	0.0012	0	NA	NA
NM_032044	<i>REG4</i>	0.332576101771922	0	2.00E-04	1	0.0012	0	NA	NA
NM_206966	<i>C5orf46</i>	0.332121762835075	0	2.00E-04	1	0.0012	0	NA	NA
NM_020805	<i>KLHL14</i>	0.331667423898228	0	2.00E-04	1	0.0012	0	NA	NA
NM_005217	<i>DEFA3</i>	0.331667423898228	0	2.00E-04	1	0.0012	0	NA	NA
NM_198399	<i>ARPP21</i>	0.358927760109041	0.0272603362108133	2.00E-04	1	0.0012	0	NA	NA
NM_001197319	<i>CLEC2D</i>	0.331213084961381	0	2.00E-04	1	0.0012	0	NA	NA
NM_001197318	<i>CLEC2D</i>	0.331213084961381	0	2.00E-04	1	0.0012	0	NA	NA
NM_001197317	<i>CLEC2D</i>	0.331213084961381	0	2.00E-04	1	0.0012	0	NA	NA
NR_036693	<i>CLEC2D</i>	0.331213084961381	0	2.00E-04	1	0.0012	0	NA	NA
NM_013269	<i>CLEC2D</i>	0.331213084961381	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004419	<i>CLEC2D</i>	0.331213084961381	0	2.00E-04	1	0.0012	0	NA	NA
NM_024949	<i>WWC2</i>	0.331213084961381	0	6.00E-04	1	0.003	1.00E-04	NA	NA
NM_001257195	<i>KLHL3</i>	0.331213084961381	0	2.00E-04	1	0.0012	0	NA	NA
NM_016010	<i>ZC2HC1A</i>	0.341208541572013	0.0104497955474784	2.00E-04	1	0.0012	0	NA	NA
NM_000734	<i>CD247</i>	0.330758746024534	0	2.00E-04	1	0.0012	0	NA	NA
NM_198053	<i>CD247</i>	0.330758746024534	0	2.00E-04	1	0.0012	0	NA	NA
NM_005366	<i>MAGEA11</i>	0.330758746024534	0	2.00E-04	1	0.0012	0	NA	NA
NR_003554	<i>USP32P2</i>	0.330304407087687	0	2.00E-04	1	0.0012	0	NA	NA
NM_018534	<i>NRP2</i>	0.329850068150841	0	2.00E-04	1	0.0012	0	NA	NA
NM_201279	<i>NRP2</i>	0.329850068150841	0	2.00E-04	1	0.0012	0	NA	NA
NM_003872	<i>NRP2</i>	0.329850068150841	0	2.00E-04	1	0.0012	0	NA	NA

NM_201267	<i>NRP2</i>	0.329850068150841	0	2.00E-04	1	0.0012	0	NA	NA
NM_201266	<i>NRP2</i>	0.329850068150841	0	2.00E-04	1	0.0012	0	NA	NA
NM_201264	<i>NRP2</i>	0.329850068150841	0	2.00E-04	1	0.0012	0	NA	NA
NM_018980	<i>TAS2R5</i>	0.329850068150841	0	2.00E-04	1	0.0012	0	NA	NA
NM_022484	<i>TMEM168</i>	0.329850068150841	0	2.00E-04	1	0.0012	0	NA	NA
NM_001002923	<i>IGFL4</i>	0.329395729213994	0	2.00E-04	1	0.0012	0	NA	NA
NM_001142614	<i>EHBP1</i>	0.328941390277147	0	2.00E-04	1	0.0012	0	NA	NA
NM_003856	<i>IL1RL1</i>	0.328941390277147	0	2.00E-04	1	0.0012	0	NA	NA
NR_104167	<i>IL1RL1</i>	0.328941390277147	0	2.00E-04	1	0.0012	0	NA	NA
NM_053039	<i>UGT2B28</i>	0.328941390277147	0	2.00E-04	1	0.0012	0	NA	NA
NM_001207004	<i>UGT2B28</i>	0.328941390277147	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005240	<i>OR4F17</i>	0.3284870513403	0	2.00E-04	1	0.0012	0	NA	NA
NM_032119	<i>GPR98</i>	0.3284870513403	0	2.00E-04	1	0.0012	0	NA	NA
NR_003149	<i>GPR98</i>	0.3284870513403	0	2.00E-04	1	0.0012	0	NA	NA
NM_001042500	<i>DEFA1B</i>	0.3284870513403	0	2.00E-04	1	0.0012	0	NA	NA
NR_034145	<i>LINC00670</i>	0.328032712403453	0	2.00E-04	1	0.0012	0	NA	NA
NR_034144	<i>LINC00670</i>	0.328032712403453	0	2.00E-04	0.9998	0.0012	0	NA	NA
NR_036209	<i>MIR4324</i>	0.328032712403453	0	2.00E-04	1	0.0012	0	NA	NA
NM_002395	<i>ME1</i>	0.328032712403453	0	2.00E-04	1	0.0012	0	NA	NA
NM_001017418	<i>SPRR2B</i>	0.327124034529759	0	2.00E-04	1	0.0012	0	NA	NA
NM_014461	<i>CNTN6</i>	0.33575647432985	0.00954111767378464	2.00E-04	1	0.0012	0	NA	NA
NM_000590	<i>IL9</i>	0.326215356656065	0	2.00E-04	1	0.0012	0	NA	NA
NM_001001413	<i>GOLGA6L1</i>	0.325761017719219	0	2.00E-04	1	0.0012	0	NA	NA
NM_014143	<i>CD274</i>	0.325761017719219	0	2.00E-04	1	0.0012	0	NA	NA
NR_052005	<i>CD274</i>	0.325761017719219	0	2.00E-04	1	0.0012	0	NA	NA
NM_001267706	<i>CD274</i>	0.325761017719219	0	2.00E-04	0.9998	0.0012	0	NA	NA
NM_001160277	<i>CERKL</i>	0.325761017719219	0	2.00E-04	1	0.0012	0	NA	NA
NM_201548	<i>CERKL</i>	0.325761017719219	0	2.00E-04	1	0.0012	0	NA	NA
NM_001030311	<i>CERKL</i>	0.325761017719219	0	2.00E-04	1	0.0012	0	NA	NA
NM_001030313	<i>CERKL</i>	0.325761017719219	0	2.00E-04	1	0.0012	0	NA	NA
NM_001030312	<i>CERKL</i>	0.325761017719219	0	2.00E-04	1	0.0012	0	NA	NA
NR_027690	<i>CERKL</i>	0.325761017719219	0	2.00E-04	1	0.0012	0	NA	NA
NR_027689	<i>CERKL</i>	0.325761017719219	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004697	<i>OR2T5</i>	0.325306678782372	0	2.00E-04	1	0.0012	0	NA	NA
NM_006771	<i>KRT38</i>	0.325306678782372	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005747	<i>CACNB4</i>	0.325306678782372	0	2.00E-04	1	0.0012	0	NA	NA
NM_178527	<i>SLC9C2</i>	0.324398000908678	0	2.00E-04	1	0.0012	0	NA	NA
NM_001781	<i>CD69</i>	0.324398000908678	0	2.00E-04	1	0.0012	0	NA	NA
NM_000493	<i>COL10A1</i>	0.324398000908678	0	2.00E-04	1	0.0012	0	NA	NA
NM_005313	<i>PDIA3</i>	0.323943661971831	0	2.00E-04	1	0.0012	0	NA	NA
NM_006284	<i>TAF10</i>	0.323943661971831	0	2.00E-04	1	0.0012	0	NA	NA



NM_001010912	<i>C10orf120</i>	0.323489323034984	0	2.00E-04	1	0.0012	0	NA	NA
NM_006493	<i>CLN5</i>	0.323034984098137	0	2.00E-04	1	0.0012	0	NA	NA
NM_002758	<i>MAP2K6</i>	0.323034984098137	0	2.00E-04	1	0.0012	0	NA	NA
NM_145282	<i>SLC25A48</i>	0.323034984098137	0	2.00E-04	1	0.0012	0	NA	NA
NM_001278495	<i>NUTM2B</i>	0.32258064516129	0	0.0018	0.9988	0.0112	2.00E-04	NA	NA
NM_003517	<i>HIST2H2AC</i>	0.322126306224443	0	2.00E-04	1	0.0012	0	NA	NA
NM_017878	<i>HRASLS2</i>	0.322126306224443	0	2.00E-04	1	0.0012	0	NA	NA
NM_001127453	<i>DFNA5</i>	0.322126306224443	0	2.00E-04	1	0.0012	0	NA	NA
NM_001205250	<i>ACSL6</i>	0.321671967287597	0	2.00E-04	1	0.0012	0	NA	NA
NM_080866	<i>SLC22A9</i>	0.32121762835075	0	2.00E-04	1	0.0012	0	NA	NA
NM_001010844	<i>IRAK1BP1</i>	0.359382099045888	0.0381644706951386	2.00E-04	1	0.0012	0	NA	NA
NM_002603	<i>PDE7A</i>	0.320763289413903	0	2.00E-04	1	0.0012	0	NA	NA
NM_006952	<i>UPK1B</i>	0.320308950477056	0	2.00E-04	1	0.0012	0	NA	NA
NM_001172105	<i>GRAMD1C</i>	0.319854611540209	0	2.00E-04	1	0.0012	0	NA	NA
NM_001163264	<i>PCYT1B</i>	0.319854611540209	0	2.00E-04	1	0.0012	0	NA	NA
NR_003558	<i>WBP11P1</i>	0.319400272603362	0	2.00E-04	1	0.0012	0	NA	NA
NM_001243512	<i>ESRRG</i>	0.319400272603362	0	2.00E-04	1	0.0012	0	NA	NA
NM_001243511	<i>ESRRG</i>	0.319400272603362	0	2.00E-04	1	0.0012	0	NA	NA
NM_001243510	<i>ESRRG</i>	0.319400272603362	0	2.00E-04	1	0.0012	0	NA	NA
NM_001243513	<i>ESRRG</i>	0.319400272603362	0	2.00E-04	1	0.0012	0	NA	NA
NM_001001658	<i>OR9A2</i>	0.319400272603362	0	2.00E-04	1	0.0012	0	NA	NA
NM_020190	<i>OLFML3</i>	0.318491594729668	0	2.00E-04	1	0.0012	0	NA	NA
NM_032955	<i>AIF1</i>	0.318491594729668	0	2.00E-04	1	0.0012	0	NA	NA
NM_170753	<i>PGBD3</i>	0.318491594729668	0	2.00E-04	1	0.0012	0	NA	NA
NM_001253846	<i>GMDS</i>	0.318491594729668	0	2.00E-04	1	0.0012	0	NA	NA
NM_000846	<i>GSTA2</i>	0.318491594729668	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005484	<i>OR4F5</i>	0.394820536119945	0.076783280327124	2.00E-04	1	0.0012	0	NA	NA
NM_001142306	<i>C5orf60</i>	0.318037255792821	0	2.00E-04	1	0.0012	0	NA	NA
NR_015400	<i>LINC00879</i>	0.44525215810995	0.127669241253975	2.00E-04	1	0.0012	0	NA	NA
NM_001037332	<i>CYFIP2</i>	0.317582916855975	0	2.00E-04	1	0.0012	0	NA	NA
NM_003022	<i>SH3BGRL</i>	0.317582916855975	0	2.00E-04	1	0.0012	0	NA	NA
NM_133486	<i>MBNL3</i>	0.317582916855975	0	2.00E-04	1	0.0012	0	NA	NA
NM_018388	<i>MBNL3</i>	0.317582916855975	0	2.00E-04	1	0.0012	0	NA	NA
NM_001432	<i>EREG</i>	0.317128577919128	0	2.00E-04	1	0.0012	0	NA	NA
NM_014482	<i>BMP10</i>	0.317128577919128	0	2.00E-04	1	0.0012	0	NA	NA
NM_001135701	<i>YWHAZ</i>	0.385733757383008	0.06860517946388	2.00E-04	1	0.0012	0	NA	NA
NM_001135700	<i>YWHAZ</i>	0.385733757383008	0.06860517946388	2.00E-04	1	0.0012	0	NA	NA
NR_003045	<i>SNORD17</i>	0.373466606088142	0.0563380281690141	6.00E-04	0.9992	0.003	1.00E-04	NA	NA
NM_002430	<i>MN1</i>	0.456610631531122	0.139482053611995	2.00E-04	1	0.0012	0	NA	NA
NM_001002907	<i>OR8K1</i>	0.316219900045434	0	2.00E-04	1	0.0012	0	NA	NA
NM_004662	<i>DNAH9</i>	0.316219900045434	0	2.00E-04	1	0.0012	0	NA	NA

NR_027392	<i>INTS4L2</i>	0.316219900045434	0	2.00E-04	1	0.0012	0	NA	NA
NM_001128834	<i>PLP1</i>	0.316219900045434	0	2.00E-04	1	0.0012	0	NA	NA
NM_001198531	<i>TCF7L2</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001146286	<i>TCF7L2</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001146285	<i>TCF7L2</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001146284	<i>TCF7L2</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001146283	<i>TCF7L2</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001198526	<i>TCF7L2</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001198525	<i>TCF7L2</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_030756	<i>TCF7L2</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001198527	<i>TCF7L2</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001146274	<i>TCF7L2</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001198528	<i>TCF7L2</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001198529	<i>TCF7L2</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001198530	<i>TCF7L2</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001253829	<i>PTPDC1</i>	0.528850522489777	0.21308496138119	2.00E-04	1	0.0012	0	1	0.0682
NM_152422	<i>PTPDC1</i>	0.528850522489777	0.21308496138119	2.00E-04	1	0.0012	0	1	0.0682
NM_001128829	<i>CA1</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001128831	<i>CA1</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001738	<i>CA1</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_001128830	<i>CA1</i>	0.315765561108587	0	2.00E-04	1	0.0012	0	NA	NA
NM_000115	<i>EDNRB</i>	0.31531122217174	0	2.00E-04	1	0.0012	0	NA	NA
NM_001100819	<i>MOB4</i>	0.314856883234893	0	2.00E-04	1	0.0012	0	NA	NA
NM_015387	<i>MOB4</i>	0.314856883234893	0	2.00E-04	1	0.0012	0	NA	NA
NM_012108	<i>STAP1</i>	0.314856883234893	0	2.00E-04	1	0.0012	0	NA	NA
NM_001146210	<i>SPDYE6</i>	0.314856883234893	0	2.00E-04	1	0.0012	0	NA	NA
NM_152556	<i>C7orf60</i>	0.314856883234893	0	2.00E-04	1	0.0012	0	NA	NA
NM_007179	<i>INSL6</i>	0.314856883234893	0	2.00E-04	1	0.0012	0	NA	NA
NM_020711	<i>ERMN</i>	0.314402544298046	0	2.00E-04	1	0.0012	0	NA	NA
NM_001144892	<i>FGF1</i>	0.314402544298046	0	2.00E-04	1	0.0012	0	NA	NA
NM_001257212	<i>FGF1</i>	0.314402544298046	0	2.00E-04	1	0.0012	0	NA	NA
NM_032567	<i>SPZ1</i>	0.313948205361199	0	2.00E-04	1	0.0012	0	NA	NA
NR_003945	<i>GVINP1</i>	0.313948205361199	0	2.00E-04	1	0.0012	0	NA	NA
NM_001113397	<i>ZNF385B</i>	0.313948205361199	0	2.00E-04	1	0.0012	0	NA	NA
NM_183395	<i>NLRP3</i>	0.313493866424353	0	2.00E-04	1	0.0012	0	NA	NA
NM_004895	<i>NLRP3</i>	0.313493866424353	0	2.00E-04	1	0.0012	0	NA	NA
NM_001127462	<i>NLRP3</i>	0.313493866424353	0	2.00E-04	1	0.0012	0	NA	NA
NM_001243133	<i>NLRP3</i>	0.313493866424353	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005197	<i>OR8D4</i>	0.313493866424353	0	2.00E-04	1	0.0012	0	NA	NA
NM_018293	<i>ZNF654</i>	0.313493866424353	0	2.00E-04	1	0.0012	0	NA	NA
NR_037870	<i>LOC100131825</i>	0.313493866424353	0	2.00E-04	1	0.0012	0	NA	NA

NM_018353	MIS18BP1	0.313493866424353	0	2.00E-04	1	0.0012	0	NA	NA
NR_073499	KHDRBS1	0.313039527487506	0	2.00E-04	1	0.0012	0	NA	NA
NM_006559	KHDRBS1	0.313039527487506	0	2.00E-04	1	0.0012	0	NA	NA
NM_001271878	KHDRBS1	0.313039527487506	0	2.00E-04	1	0.0012	0	NA	NA
NR_073498	KHDRBS1	0.313039527487506	0	2.00E-04	1	0.0012	0	NA	NA
NM_002036	DARC	0.313039527487506	0	2.00E-04	1	0.0012	0	NA	NA
NM_014697	NOS1AP	0.312585188550659	0	2.00E-04	1	0.0012	0	NA	NA
NM_001164757	NOS1AP	0.312585188550659	0	2.00E-04	1	0.0012	0	NA	NA
NM_006187	OAS3	0.312585188550659	0	2.00E-04	1	0.0012	0	NA	NA
NR_036687	DEFT1P2	0.312585188550659	0	2.00E-04	1	0.0012	0	NA	NA
NR_036686	DEFT1P	0.312585188550659	0	2.00E-04	1	0.0012	0	NA	NA
NM_002105	H2AFX	0.312130849613812	0	2.00E-04	1	0.0012	0	NA	NA
NM_053049	UCN3	0.311676510676965	0	2.00E-04	1	0.0012	0	NA	NA
NM_032334	UTP23	0.311676510676965	0	2.00E-04	1	0.0012	0	NA	NA
NM_001033044	GLUL	0.311676510676965	0	2.00E-04	1	0.0012	0	NA	NA
NM_002065	GLUL	0.311676510676965	0	2.00E-04	1	0.0012	0	NA	NA
NM_001258239	TMEM218	0.311676510676965	0	2.00E-04	1	0.0012	0	NA	NA
NM_001258238	TMEM218	0.311676510676965	0	2.00E-04	1	0.0012	0	NA	NA
NM_001258241	TMEM218	0.311676510676965	0	2.00E-04	1	0.0012	0	NA	NA
NM_001258240	TMEM218	0.311676510676965	0	2.00E-04	1	0.0012	0	NA	NA
NR_047587	TMEM218	0.311676510676965	0	2.00E-04	1	0.0012	0	NA	NA
NR_047586	TMEM218	0.311676510676965	0	2.00E-04	1	0.0012	0	NA	NA
NM_001171197	ELAVL2	0.408905043162199	0.097228532485234	2.00E-04	1	0.0012	0	NA	NA
NM_020124	IFNK	0.311222171740118	0	2.00E-04	1	0.0012	0	NA	NA
NR_002319	PIPSL	0.311222171740118	0	2.00E-04	1	0.0012	0	NA	NA
NM_006261	PROP1	0.311222171740118	0	2.00E-04	1	0.0012	0	NA	NA
NM_203373	FBXL22	0.310767832803271	0	2.00E-04	1	0.0012	0	NA	NA
NM_207355	POTEB	0.310767832803271	0	2.00E-04	1	0.0012	0	NA	NA
NM_130446	KLHL6	0.310767832803271	0	2.00E-04	1	0.0012	0	NA	NA
NM_001270410	LIN9	0.310313493866424	0	2.00E-04	1	0.0012	0	NA	NA
NM_001270409	LIN9	0.310313493866424	0	2.00E-04	1	0.0012	0	NA	NA
NM_173083	LIN9	0.310313493866424	0	2.00E-04	1	0.0012	0	NA	NA
NM_001136051	LRIG3	0.310313493866424	0	2.00E-04	1	0.0012	0	NA	NA
NM_001193306	FPR1	0.310313493866424	0	2.00E-04	1	0.0012	0	NA	NA
NM_002029	FPR1	0.310313493866424	0	2.00E-04	1	0.0012	0	NA	NA
NM_001146266	GPR85	0.310313493866424	0	2.00E-04	1	0.0012	0	NA	NA
NM_000035	ALDOB	0.310313493866424	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004754	OR51I2	0.309859154929577	0	2.00E-04	1	0.0012	0	NA	NA
NM_000862	HSD3B1	0.309404815992731	0	2.00E-04	1	0.0012	0	NA	NA
NM_020439	CAMK1G	0.309404815992731	0	2.00E-04	1	0.0012	0	NA	NA
NM_017593	BMP2K	0.309404815992731	0	2.00E-04	1	0.0012	0	NA	NA

NM_198892	<i>BMP2K</i>	0.309404815992731	0	2.00E-04	1	0.0012	0	NA	NA
NM_001024661	<i>PRAMEF13</i>	0.309404815992731	0	2.00E-04	1	0.0012	0	NA	NA
NR_104131	<i>LINC01057</i>	0.309404815992731	0	2.00E-04	1	0.0012	0	NA	NA
NM_016618	<i>KRCC1</i>	0.309404815992731	0	2.00E-04	1	0.0012	0	NA	NA
NM_017619	<i>RNPC3</i>	0.308950477055884	0	2.00E-04	1	0.0012	0	NA	NA
NM_013227	<i>ACAN</i>	0.308950477055884	0	2.00E-04	1	0.0012	0	NA	NA
NM_001135	<i>ACAN</i>	0.308950477055884	0	2.00E-04	1	0.0012	0	NA	NA
NM_152726	<i>MICU2</i>	0.308950477055884	0	2.00E-04	1	0.0012	0	NA	NA
NM_001271699	<i>ABCB7</i>	0.308950477055884	0	2.00E-04	1	0.0012	0	NA	NA
NM_001271697	<i>ABCB7</i>	0.308950477055884	0	2.00E-04	1	0.0012	0	NA	NA
NM_001271696	<i>ABCB7</i>	0.308950477055884	0	2.00E-04	1	0.0012	0	NA	NA
NM_004299	<i>ABCB7</i>	0.308950477055884	0	2.00E-04	1	0.0012	0	NA	NA
NM_001271698	<i>ABCB7</i>	0.308950477055884	0	2.00E-04	1	0.0012	0	NA	NA
NM_001130481	<i>VRK2</i>	0.308496138119037	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004450	<i>OR1B1</i>	0.308496138119037	0	2.00E-04	1	0.0012	0	NA	NA
NM_005048	<i>PTH2R</i>	0.30804179918219	0	2.00E-04	1	0.0012	0	NA	NA
NM_138425	<i>C12orf57</i>	0.307587460245343	0	2.00E-04	1	0.0012	0	NA	NA
NM_000844	<i>GRM7</i>	0.307133121308496	0	2.00E-04	1	0.0012	0	NA	NA
NM_181874	<i>GRM7</i>	0.307133121308496	0	2.00E-04	1	0.0012	0	NA	NA
NM_152380	<i>TBX15</i>	0.307133121308496	0	2.00E-04	1	0.0012	0	NA	NA
NM_001253876	<i>UXS1</i>	0.388005452067242	0.080872330758746	2.00E-04	1	0.0012	0	NA	NA
NM_006959	<i>ZNF17</i>	0.306224443434802	0	2.00E-04	1	0.0012	0	NA	NA
NM_001199089	<i>TDRD5</i>	0.305770104497955	0	2.00E-04	1	0.0012	0	NA	NA
NM_138320	<i>PCSK6</i>	0.305770104497955	0	2.00E-04	1	0.0012	0	NA	NA
NM_138322	<i>PCSK6</i>	0.305770104497955	0	2.00E-04	1	0.0012	0	NA	NA
NM_138321	<i>PCSK6</i>	0.305770104497955	0	2.00E-04	1	0.0012	0	NA	NA
NM_138319	<i>PCSK6</i>	0.305770104497955	0	2.00E-04	1	0.0012	0	NA	NA
NM_138323	<i>PCSK6</i>	0.305770104497955	0	2.00E-04	1	0.0012	0	NA	NA
NM_002570	<i>PCSK6</i>	0.305770104497955	0	2.00E-04	1	0.0012	0	NA	NA
NM_138324	<i>PCSK6</i>	0.305770104497955	0	2.00E-04	1	0.0012	0	NA	NA
NM_138325	<i>PCSK6</i>	0.305770104497955	0	2.00E-04	1	0.0012	0	NA	NA
NR_039825	<i>MIR4678</i>	0.305315765561109	0	2.00E-04	1	0.0012	0	NA	NA
NM_001145004	<i>GOLGA6L6</i>	0.304861426624262	0	2.00E-04	1	0.0012	0	NA	NA
NM_004727	<i>SLC24A1</i>	0.304407087687415	0	2.00E-04	1	0.0012	0	NA	NA
NM_176876	<i>P2RY12</i>	0.304407087687415	0	2.00E-04	1	0.0012	0	NA	NA
NM_017922	<i>PRPF39</i>	0.303952748750568	0	2.00E-04	1	0.0012	0	NA	NA
NM_001130417	<i>SLC8A3</i>	0.303952748750568	0	2.00E-04	1	0.0012	0	NA	NA
NM_182936	<i>SLC8A3</i>	0.303952748750568	0	2.00E-04	1	0.0012	0	NA	NA
NM_018057	<i>SLC6A15</i>	0.358473421172194	0.0545206724216265	2.00E-04	1	0.0012	0	NA	NA
NM_001146335	<i>SLC6A15</i>	0.358473421172194	0.0545206724216265	2.00E-04	1	0.0012	0	NA	NA
NM_182767	<i>SLC6A15</i>	0.358473421172194	0.0545206724216265	2.00E-04	1	0.0012	0	NA	NA

NM_004267	CHST2	0.303498409813721	0	2.00E-04	1	0.0012	0	NA	NA
NM_001204178	CHODL	0.303044070876874	0	2.00E-04	1	0.0012	0	NA	NA
NM_001204177	CHODL	0.303044070876874	0	2.00E-04	1	0.0012	0	NA	NA
NM_001204176	CHODL	0.303044070876874	0	2.00E-04	1	0.0012	0	NA	NA
NM_001204175	CHODL	0.303044070876874	0	2.00E-04	1	0.0012	0	NA	NA
NM_153027	FAM218A	0.303044070876874	0	2.00E-04	1	0.0012	0	NA	NA
NR_015407	LOC339535	0.303044070876874	0	2.00E-04	1	0.0012	0	NA	NA
NM_173666	DTWD2	0.303044070876874	0	2.00E-04	1	0.0012	0	NA	NA
NM_006248	PRB2	0.396637891867333	0.0940481599273058	2.00E-04	1	0.0012	0	NA	NA
NM_018183	SBNO1	0.30213539300318	0	2.00E-04	1	0.0012	0	NA	NA
NM_001167856	SBNO1	0.30213539300318	0	2.00E-04	1	0.0012	0	NA	NA
NM_030904	OR2T1	0.301681054066333	0	2.00E-04	1	0.0012	0	NA	NA
NM_001004127	ALG11	0.301681054066333	0	2.00E-04	1	0.0012	0	NA	NA
NR_036571	ALG11	0.301681054066333	0	2.00E-04	1	0.0012	0	NA	NA
NM_173678	FAM115C	0.301681054066333	0	2.00E-04	1	0.0012	0	NA	NA
NM_006359	SLC9A6	0.301681054066333	0	2.00E-04	1	0.0012	0	NA	NA
NM_001177651	SLC9A6	0.301681054066333	0	2.00E-04	1	0.0012	0	NA	NA
NM_001042537	SLC9A6	0.301681054066333	0	4.00E-04	1	0.0019	0	NA	NA
NM_178450	MARCH3	0.301681054066333	0	2.00E-04	1	0.0012	0	NA	NA
NM_001005466	OR10G2	0.301226715129487	0	2.00E-04	1	0.0012	0	NA	NA
NM_004657	SDPR	0.301226715129487	0	2.00E-04	1	0.0012	0	NA	NA
NM_054023	SCGB3A2	0.30077237619264	0	2.00E-04	1	0.0012	0	NA	NA
NM_006160	NEUROD2	0.30077237619264	0	2.00E-04	1	0.0012	0	NA	NA
NM_000370	TTPA	0.30077237619264	0	2.00E-04	1	0.0012	0	NA	NA
NR_036695	RPS7P5	0.300318037255793	0	2.00E-04	1	0.0012	0	NA	NA
NM_194287	C14orf166B	0.300318037255793	0	2.00E-04	1	0.0012	0	NA	NA
NM_001276373	USF1	0.300318037255793	0	2.00E-04	1	0.0012	0	NA	NA
NM_018402	IL26	0.300318037255793	0	2.00E-04	1	0.0012	0	NA	NA
NR_029411	LOC100133091	0	0.300318037255793	1	2.00E-04	NA	NA	0.0014	0
NM_004651	USP11	0	0.300318037255793	1	2.00E-04	NA	NA	0.0014	0
NM_001271836	CCDC120	0	0.300318037255793	1	2.00E-04	NA	NA	0.0014	0
NR_029193	SH3RF3-AS1	0	0.300318037255793	1	2.00E-04	NA	NA	0.0014	0
NM_001099339	COMMD7	0	0.300318037255793	1	2.00E-04	NA	NA	0.0014	0
NM_053041	COMMD7	0	0.300318037255793	1	2.00E-04	NA	NA	0.0014	0
NM_001146077	CLDN14	0	0.300318037255793	1	2.00E-04	NA	NA	0.0014	0
NM_001114617	MGAT1	0	0.300318037255793	1	2.00E-04	NA	NA	0.0014	0
NM_182493	MYLK3	0	0.30077237619264	1	2.00E-04	NA	NA	0.0014	0
NM_022167	XYLT2	0	0.301226715129487	1	2.00E-04	NA	NA	0.0014	0
NM_033050	SUCNR1	0	0.301226715129487	1	2.00E-04	NA	NA	0.0014	0
NM_001244705	CSAD	0	0.301226715129487	1	2.00E-04	NA	NA	0.0014	0
NM_001282313	EXOC7	0	0.30213539300318	1	2.00E-04	NA	NA	0.0014	0

NM_001145297	EXOC7	0	0.30213539300318	1	2.00E-04	NA	NA	0.0014	0
NM_001145298	EXOC7	0	0.30213539300318	1	2.00E-04	NA	NA	0.0014	0
NM_001282314	EXOC7	0	0.30213539300318	1	2.00E-04	NA	NA	0.0014	0
NM_001013839	EXOC7	0	0.30213539300318	1	2.00E-04	NA	NA	0.0014	0
NM_001145299	EXOC7	0	0.30213539300318	1	2.00E-04	NA	NA	0.0014	0
NM_015219	EXOC7	0	0.30213539300318	1	2.00E-04	NA	NA	0.0014	0
NM_144679	ENTHD2	0	0.30213539300318	1	2.00E-04	NA	NA	0.0014	0
NM_001042355	CYLD	0	0.302589731940027	1	2.00E-04	NA	NA	0.0014	0
NM_015247	CYLD	0	0.302589731940027	1	2.00E-04	NA	NA	0.0014	0
NM_001042412	CYLD	0	0.302589731940027	1	2.00E-04	NA	NA	0.0014	0
NM_173483	CYP4F22	0	0.302589731940027	1	2.00E-04	NA	NA	0.0014	0
NM_001145134	CPT1B	0	0.302589731940027	1	2.00E-04	NA	NA	0.0014	0
NM_001145135	CPT1B	0	0.302589731940027	1	2.00E-04	NA	NA	0.0014	0
NM_152245	CPT1B	0	0.302589731940027	1	2.00E-04	NA	NA	0.0014	0
NM_001145136	CPT1B	0	0.302589731940027	1	2.00E-04	NA	NA	0.0014	0
NR_003187	NCF1C	0	0.302589731940027	1	2.00E-04	NA	NA	0.0014	0
NM_194250	ZNF804A	0	0.303044070876874	1	2.00E-04	NA	NA	0.0014	0
NM_014450	SIT1	0	0.303044070876874	1	2.00E-04	NA	NA	0.0014	0
NM_004791	ITGBL1	0.118582462517038	0.422080872330759	1	2.00E-04	NA	NA	0.0014	0
NM_001271755	ITGBL1	0.118582462517038	0.422080872330759	1	2.00E-04	NA	NA	0.0014	0
NM_001271754	ITGBL1	0.118582462517038	0.422080872330759	1	2.00E-04	NA	NA	0.0014	0
NR_038359	MGC45922	0	0.303498409813721	1	2.00E-04	NA	NA	0.0014	0
NM_002491	NDUFB3	0	0.303498409813721	1	2.00E-04	NA	NA	0.0014	0
NM_001257102	NDUFB3	0	0.303498409813721	1	2.00E-04	NA	NA	0.0014	0
NM_021243	ABRACL	0	0.303498409813721	1	2.00E-04	NA	NA	0.0014	0
NM_001042603	KDM5A	0	0.303498409813721	1	2.00E-04	NA	NA	0.0014	0
NM_198219	ING1	0	0.303952748750568	1	2.00E-04	NA	NA	0.0014	0
NM_198218	ING1	0	0.303952748750568	1	2.00E-04	NA	NA	0.0014	0
NM_152353	CLDND2	0	0.303952748750568	1	2.00E-04	NA	NA	0.0014	0
NM_001171171	CX3CR1	0	0.303952748750568	1	2.00E-04	NA	NA	0.0014	0
NR_003003	SCARNA17	0	0.304407087687415	1	2.00E-04	NA	NA	0.0014	0
NM_001127443	CD36	0	0.304407087687415	1	2.00E-04	NA	NA	0.0014	0
NM_001128620	PAK1	0	0.304407087687415	1	2.00E-04	NA	NA	0.0014	0
NM_002576	PAK1	0	0.304407087687415	1	2.00E-04	NA	NA	0.0014	0
NM_007046	EMILIN1	0.0885960926851431	0.393457519309405	1	2.00E-04	NA	NA	0.0014	0
NM_052903	TUBGCP5	0	0.304861426624262	1	2.00E-04	NA	NA	0.0014	0
NM_001102610	TUBGCP5	0	0.304861426624262	1	2.00E-04	NA	NA	0.0014	0
NM_032476	MRPS6	0	0.304861426624262	1	2.00E-04	NA	NA	0.0014	0
NM_000726	CACNB4	0	0.305315765561109	1	2.00E-04	NA	NA	0.0014	0
NM_001145798	CACNB4	0	0.305315765561109	1	2.00E-04	NA	NA	0.0014	0
NM_205846	PRELID2	0	0.305315765561109	1	2.00E-04	NA	NA	0.0014	0

NM_138492	<i>PRELID2</i>	0	0.305315765561109	1	2.00E-04	NA	NA	0.0014	0
NM_182960	<i>PRELID2</i>	0	0.305315765561109	1	2.00E-04	NA	NA	0.0014	0
NM_024667	<i>VPS37B</i>	0	0.306224443434802	1	2.00E-04	NA	NA	0.0014	0
NM_006045	<i>ATP9A</i>	0	0.306224443434802	1	2.00E-04	NA	NA	0.0014	0
NM_002987	<i>CCL17</i>	0	0.306678782371649	1	2.00E-04	NA	NA	0.0014	0
NM_001127649	<i>PEX26</i>	0	0.306678782371649	1	2.00E-04	NA	NA	0.0014	0
NM_005433	<i>YES1</i>	0	0.306678782371649	1	2.00E-04	NA	NA	0.0014	0
NM_004623	<i>TTC4</i>	0	0.307133121308496	1	2.00E-04	NA	NA	0.0014	0
NM_001145734	<i>CDC20B</i>	0	0.307133121308496	1	2.00E-04	NA	NA	0.0014	0
NM_001170402	<i>CDC20B</i>	0	0.307133121308496	1	2.00E-04	NA	NA	0.0014	0
NM_152623	<i>CDC20B</i>	0	0.307133121308496	1	2.00E-04	NA	NA	0.0014	0
NR_073033	<i>LATS1</i>	0	0.307133121308496	1	2.00E-04	NA	NA	0.0014	0
NR_037161	<i>ZNF582-AS1</i>	0.0549750113584734	0.362562471603816	1	2.00E-04	NA	NA	0.0014	0
NR_037159	<i>ZNF582-AS1</i>	0.0549750113584734	0.362562471603816	1	2.00E-04	NA	NA	0.0014	0
NR_037160	<i>ZNF582-AS1</i>	0.0549750113584734	0.362562471603816	1	2.00E-04	NA	NA	0.0014	0
NM_014648	<i>DZIP3</i>	0	0.307587460245343	1	2.00E-04	NA	NA	0.0014	0
NM_000586	<i>IL2</i>	0	0.307587460245343	1	2.00E-04	NA	NA	0.0014	0
NM_001278304	<i>DIABLO</i>	0.0676965015901863	0.375738300772376	1	2.00E-04	NA	NA	0.0014	0
NM_007187	<i>WBP4</i>	0	0.30804179918219	1	2.00E-04	NA	NA	0.0014	0
NM_001130406	<i>PRR20D</i>	0	0.30804179918219	1	2.00E-04	NA	NA	0.0014	0
NM_000805	<i>GAST</i>	0	0.30804179918219	1	2.00E-04	NA	NA	0.0014	0
NM_004274	<i>AKAP6</i>	0	0.308496138119037	1	2.00E-04	NA	NA	0.0014	0
NM_001040022	<i>SIRPA</i>	0	0.308496138119037	1	2.00E-04	NA	NA	0.0014	0
NR_049820	<i>MIR5188</i>	0	0.308950477055884	1	2.00E-04	NA	NA	0.0014	0
NM_022120	<i>OXCT2</i>	0	0.308950477055884	1	2.00E-04	NA	NA	0.0014	0
NM_174944	<i>TSSK4</i>	0	0.309404815992731	1	2.00E-04	NA	NA	0.0014	0
NM_001184739	<i>TSSK4</i>	0	0.309404815992731	1	2.00E-04	NA	NA	0.0014	0
NM_001168389	<i>CITED2</i>	0	0.309404815992731	1	2.00E-04	NA	NA	0.0014	0
NM_001099666	<i>PTAR1</i>	0	0.309404815992731	1	2.00E-04	NA	NA	0.0014	0
NM_001164586	<i>IGFN1</i>	0	0.309859154929577	1	2.00E-04	NA	NA	0.0014	0
NR_037415	<i>MIR3620</i>	0	0.309859154929577	1	2.00E-04	NA	NA	0.0014	0
NM_016436	<i>PHF20</i>	0	0.309859154929577	1	2.00E-04	NA	NA	0.0014	0
NM_004953	<i>EIF4G1</i>	0	0.309859154929577	1	2.00E-04	NA	NA	0.0014	0
NM_172337	<i>OTX2</i>	0	0.310313493866424	1	2.00E-04	NA	NA	0.0014	0
NM_001270525	<i>OTX2</i>	0	0.310313493866424	1	2.00E-04	NA	NA	0.0014	0
NR_073036	<i>OTX2</i>	0	0.310313493866424	1	2.00E-04	NA	NA	0.0014	0
NR_002922	<i>SNORA13</i>	0.0872330758746025	0.397546569741027	1	2.00E-04	NA	NA	0.0014	0
NM_001166703	<i>FAM104B</i>	0.0113584734211722	0.321671967287597	1	2.00E-04	NA	NA	0.0014	0
NM_015188	<i>TBC1D12</i>	0	0.310767832803271	1	2.00E-04	NA	NA	0.0014	0
NM_183233	<i>SLC22A18</i>	0	0.310767832803271	1	2.00E-04	NA	NA	0.0014	0
NM_000364	<i>TNNT2</i>	0	0.310767832803271	1	2.00E-04	NA	NA	0.0014	0

NM_001001430	TNNT2	0	0.310767832803271	1	2.00E-04	NA	NA	0.0014	0
NM_001276347	TNNT2	0	0.310767832803271	1	2.00E-04	NA	NA	0.0014	0
NM_001001431	TNNT2	0	0.310767832803271	1	2.00E-04	NA	NA	0.0014	0
NM_001276345	TNNT2	0	0.310767832803271	1	2.00E-04	NA	NA	0.0014	0
NM_001001432	TNNT2	0	0.310767832803271	1	2.00E-04	NA	NA	0.0014	0
NM_001276346	TNNT2	0	0.310767832803271	1	2.00E-04	NA	NA	0.0014	0
NM_033445	HIST3H2A	0	0.310767832803271	1	2.00E-04	NA	NA	0.0014	0
NM_005001	NDUFA7	0	0.310767832803271	1	2.00E-04	NA	NA	0.0014	0
NM_001167823	BLCAP	0	0.310767832803271	1	2.00E-04	NA	NA	0.0014	0
NM_015942	MTERFD1	0	0.310767832803271	1	2.00E-04	NA	NA	0.0014	0
NR_103774	LOC100289580	0	0.311222171740118	1	2.00E-04	NA	NA	0.0014	0
NM_177939	P4HTM	0	0.311222171740118	1	2.00E-04	NA	NA	0.0014	0
NM_177938	P4HTM	0	0.311222171740118	1	2.00E-04	NA	NA	0.0014	0
NM_003432	ZNF131	0	0.311222171740118	1	2.00E-04	NA	NA	0.0014	0
NM_001843	CNTN1	0	0.311676510676965	1	2.00E-04	NA	NA	0.0014	0
NM_001256063	CNTN1	0	0.311676510676965	1	2.00E-04	NA	NA	0.0014	0
NM_000303	PMM2	0	0.311676510676965	1	2.00E-04	NA	NA	0.0014	0
NM_182626	C2orf48	0	0.311676510676965	1	2.00E-04	NA	NA	0.0014	0
NM_032504	UNC80	0	0.311676510676965	1	2.00E-04	NA	NA	0.0014	0
NM_182587	UNC80	0	0.311676510676965	1	2.00E-04	NA	NA	0.0014	0
NM_002270	TNPO1	0	0.311676510676965	1	2.00E-04	NA	NA	0.0014	0
NR_003081	GSTTP1	0	0.311676510676965	1	2.00E-04	NA	NA	0.0014	0
NM_003451	ZNF177	0	0.312130849613812	1	2.00E-04	NA	NA	0.0014	0
NR_024249	FAM86C2P	0	0.312130849613812	1	2.00E-04	NA	NA	0.0014	0
NM_001034833	NHP2	0	0.312130849613812	1	2.00E-04	NA	NA	0.0014	0
NM_017838	NHP2	0	0.312130849613812	1	2.00E-04	NA	NA	0.0014	0
NM_024693	ECHDC3	0	0.312585188550659	1	2.00E-04	NA	NA	0.0014	0
NM_006183	NTS	0	0.312585188550659	1	2.00E-04	NA	NA	0.0014	0
NM_001950	E2F4	0	0.312585188550659	1	2.00E-04	NA	NA	0.0014	0
NM_016568	RXFP3	0	0.312585188550659	1	2.00E-04	NA	NA	0.0014	0
NR_039783	MIR4640	0	0.312585188550659	1	2.00E-04	NA	NA	0.0014	0
NM_001136160	MCMDC2	0	0.312585188550659	1	2.00E-04	NA	NA	0.0014	0
NM_020064	BARHL1	0	0.312585188550659	1	2.00E-04	NA	NA	0.0014	0
NR_003505	PPP4R1L	0	0.312585188550659	1	2.00E-04	NA	NA	0.0014	0
NM_004745	DLGAP2	0	0.313039527487506	1	2.00E-04	NA	NA	0.0014	0
NM_001277161	DLGAP2	0	0.313039527487506	1	2.00E-04	NA	NA	0.0014	0
NM_003000	SDHB	0	0.313039527487506	1	2.00E-04	NA	NA	0.0014	0
NM_001879	MASP1	0	0.313039527487506	1	2.00E-04	NA	NA	0.0014	0
NM_001031849	MASP1	0	0.313039527487506	1	2.00E-04	NA	NA	0.0014	0
NM_139125	MASP1	0	0.313039527487506	1	2.00E-04	NA	NA	0.0014	0
NR_033519	MASP1	0	0.313039527487506	1	2.00E-04	NA	NA	0.0014	0



NM_001001550	<i>GRB10</i>	0	0.313039527487506	1	2.00E-04	NA	NA	0.0014	0
NR_024515	<i>APLP2</i>	0	0.313493866424353	1	2.00E-04	NA	NA	0.0014	0
NR_024516	<i>APLP2</i>	0	0.313493866424353	1	2.00E-04	NA	NA	0.0014	0
NM_001142278	<i>APLP2</i>	0	0.313493866424353	1	2.00E-04	NA	NA	0.0014	0
NM_001642	<i>APLP2</i>	0	0.313493866424353	1	2.00E-04	NA	NA	0.0014	0
NM_001142277	<i>APLP2</i>	0	0.313493866424353	1	2.00E-04	NA	NA	0.0014	0
NM_001142276	<i>APLP2</i>	0	0.313493866424353	1	2.00E-04	NA	NA	0.0014	0
NM_003881	<i>WISP2</i>	0	0.313493866424353	1	2.00E-04	NA	NA	0.0014	0
NM_079422	<i>MYL1</i>	0	0.313493866424353	1	2.00E-04	NA	NA	0.0014	0
NM_001099756	<i>SYBU</i>	0	0.313493866424353	1	2.00E-04	NA	NA	0.0014	0
NM_012068	<i>ATF5</i>	0	0.313948205361199	1	2.00E-04	NA	NA	0.0014	0
NM_001193646	<i>ATF5</i>	0	0.313948205361199	1	2.00E-04	NA	NA	0.0014	0
NM_000910	<i>NPY2R</i>	0	0.314402544298046	1	2.00E-04	NA	NA	0.0014	0
NM_015346	<i>ZFYVE26</i>	0	0.314402544298046	1	2.00E-04	NA	NA	0.0014	0
NM_001004333	<i>RNASEK</i>	0	0.314856883234893	1	2.00E-04	NA	NA	0.0014	0
NR_037716	<i>RNASEK</i>	0	0.314856883234893	1	2.00E-04	NA	NA	0.0014	0
NR_037715	<i>RNASEK</i>	0	0.314856883234893	1	2.00E-04	NA	NA	0.0014	0
NR_037717	<i>RNASEK-C17orf49</i>	0	0.314856883234893	1	2.00E-04	NA	NA	0.0014	0
NR_027695	<i>DSCR10</i>	0	0.314856883234893	1	2.00E-04	NA	NA	0.0014	0
NM_000557	<i>GDF5</i>	0	0.314856883234893	1	2.00E-04	NA	NA	0.0014	0
NM_004260	<i>RECQL4</i>	0	0.314856883234893	1	2.00E-04	NA	NA	0.0014	0
NM_001278245	<i>ZFAND5</i>	0	0.314856883234893	1	2.00E-04	NA	NA	0.0014	0
NM_001278244	<i>ZFAND5</i>	0	0.314856883234893	1	2.00E-04	NA	NA	0.0014	0
NM_001278243	<i>ZFAND5</i>	0	0.314856883234893	1	2.00E-04	NA	NA	0.0014	0
NM_001160233	<i>ATP1A1</i>	0	0.31531122217174	1	2.00E-04	NA	NA	0.0014	0
NM_213656	<i>KRT39</i>	0	0.31531122217174	1	2.00E-04	NA	NA	0.0014	0
NM_001040431	<i>COA3</i>	0	0.31531122217174	1	2.00E-04	NA	NA	0.0014	0
NM_004943	<i>DMWD</i>	0	0.31531122217174	1	2.00E-04	NA	NA	0.0014	0
NM_145265	<i>CCDC127</i>	0	0.31531122217174	1	2.00E-04	NA	NA	0.0014	0
NM_006407	<i>ARL6IP5</i>	0	0.315765561108587	1	2.00E-04	NA	NA	0.0014	0
NM_001167989	<i>PQBP1</i>	0	0.315765561108587	1	2.00E-04	NA	NA	0.0014	0
NM_144495	<i>PQBP1</i>	0	0.315765561108587	1	2.00E-04	NA	NA	0.0014	0
NM_001032382	<i>PQBP1</i>	0	0.315765561108587	1	2.00E-04	NA	NA	0.0014	0
NM_001032381	<i>PQBP1</i>	0	0.315765561108587	1	2.00E-04	NA	NA	0.0014	0
NM_001032383	<i>PQBP1</i>	0	0.315765561108587	1	2.00E-04	NA	NA	0.0014	0
NM_032779	<i>CCDC142</i>	0	0.315765561108587	1	2.00E-04	NA	NA	0.0014	0
NM_001034850	<i>FAM134B</i>	0	0.315765561108587	1	2.00E-04	NA	NA	0.0014	0
NM_000483	<i>APOC2</i>	0	0.316219900045434	1	2.00E-04	NA	NA	0.0014	0
NM_001040126	<i>PQLC2</i>	0	0.316674238982281	1	2.00E-04	NA	NA	0.0014	0
NM_001040125	<i>PQLC2</i>	0	0.316674238982281	1	2.00E-04	NA	NA	0.0014	0
NM_017765	<i>PQLC2</i>	0	0.316674238982281	1	2.00E-04	NA	NA	0.0014	0

NM_001145036	COG2	0	0.316674238982281	1	2.00E-04	NA	NA	0.0014	0
NM_007357	COG2	0	0.316674238982281	1	2.00E-04	NA	NA	0.0014	0
NM_018381	C19orf66	0	0.316674238982281	1	2.00E-04	NA	NA	0.0014	0
NR_026926	LOC151174	0	0.316674238982281	1	2.00E-04	NA	NA	0.0014	0
NR_026925	LOC151174	0	0.316674238982281	1	2.00E-04	NA	NA	0.0014	0
NR_026860	LINC00473	0	0.316674238982281	1	2.00E-04	NA	NA	0.0014	0
NR_026861	LINC00473	0	0.316674238982281	1	2.00E-04	NA	NA	0.0014	0
NM_005298	GPR25	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_001278591	LIAS	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_001278590	LIAS	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_194451	LIAS	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_006859	LIAS	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_001278592	LIAS	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_153436	ODF2	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_173495	PTCHD1	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_032345	WIBG	0	0.317128577919128	0.9998	6.00E-04	NA	NA	0.0029	0
NM_001271952	TPGS2	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_001271956	TPGS2	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_001271950	TPGS2	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_001271951	TPGS2	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_001271949	TPGS2	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_015476	TPGS2	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_001271955	TPGS2	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_001271954	TPGS2	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_001271953	TPGS2	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_001256891	SRI	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_003130	SRI	0	0.317128577919128	1	2.00E-04	NA	NA	0.0014	0
NM_001113206	TSTD1	0	0.317582916855975	1	2.00E-04	NA	NA	0.0014	0
NM_001113205	TSTD1	0	0.317582916855975	1	2.00E-04	NA	NA	0.0014	0
NM_001113207	TSTD1	0	0.317582916855975	1	2.00E-04	NA	NA	0.0014	0
NM_001018044	MAP3K19	0	0.317582916855975	1	2.00E-04	NA	NA	0.0014	0
NM_001018046	MAP3K19	0	0.317582916855975	1	2.00E-04	NA	NA	0.0014	0
NM_001018047	MAP3K19	0	0.317582916855975	1	2.00E-04	NA	NA	0.0014	0
NM_001282883	MAP3K19	0	0.317582916855975	1	2.00E-04	NA	NA	0.0014	0
NM_025052	MAP3K19	0	0.317582916855975	1	2.00E-04	NA	NA	0.0014	0
NM_001130678	EIF4E	0	0.317582916855975	1	2.00E-04	NA	NA	0.0014	0
NM_080840	PTPRA	0	0.318037255792821	1	2.00E-04	NA	NA	0.0014	0
NM_005460	SNCAIP	0	0.318037255792821	1	2.00E-04	NA	NA	0.0014	0
NM_001242935	SNCAIP	0	0.318037255792821	1	2.00E-04	NA	NA	0.0014	0
NM_001135676	SMIM19	0	0.318037255792821	1	2.00E-04	NA	NA	0.0014	0
NM_001136273	ZFP92	0	0.318037255792821	1	2.00E-04	NA	NA	0.0014	0

NM_004200	SYT7	0	0.318037255792821	1	2.00E-04	NA	NA	0.0014	0
NM_001252065	SYT7	0	0.318037255792821	1	2.00E-04	NA	NA	0.0014	0
NM_001201564	PLRG1	0	0.318491594729668	1	2.00E-04	NA	NA	0.0014	0
NM_002669	PLRG1	0	0.318491594729668	1	2.00E-04	NA	NA	0.0014	0
NM_001001994	GPM6B	0	0.318491594729668	1	2.00E-04	NA	NA	0.0014	0
NM_033518	SLC38A5	0.142208087233076	0.461154020899591	1	2.00E-04	NA	NA	0.0014	0
NM_001278485	ANAPC15	0	0.318945933666515	1	2.00E-04	NA	NA	0.0014	0
NM_014042	ANAPC15	0	0.318945933666515	1	2.00E-04	NA	NA	0.0014	0
NM_001278486	ANAPC15	0	0.318945933666515	1	2.00E-04	NA	NA	0.0014	0
NM_001278489	ANAPC15	0	0.318945933666515	1	2.00E-04	NA	NA	0.0014	0
NM_001278488	ANAPC15	0	0.318945933666515	1	2.00E-04	NA	NA	0.0014	0
NM_001278487	ANAPC15	0	0.318945933666515	1	2.00E-04	NA	NA	0.0014	0
NM_001278494	ANAPC15	0	0.318945933666515	1	2.00E-04	NA	NA	0.0014	0
NM_001278493	ANAPC15	0	0.318945933666515	1	2.00E-04	NA	NA	0.0014	0
NM_001278492	ANAPC15	0	0.318945933666515	1	2.00E-04	NA	NA	0.0014	0
NM_001278491	ANAPC15	0	0.318945933666515	1	2.00E-04	NA	NA	0.0014	0
NM_001278490	ANAPC15	0	0.318945933666515	1	2.00E-04	NA	NA	0.0014	0
NM_080914	ASGR2	0	0.318945933666515	1	2.00E-04	NA	NA	0.0014	0
NM_001145670	SORBS2	0	0.318945933666515	1	2.00E-04	NA	NA	0.0014	0
NM_003603	SORBS2	0	0.318945933666515	1	2.00E-04	NA	NA	0.0014	0
NM_178171	GSDMA	0	0.319400272603362	1	2.00E-04	NA	NA	0.0014	0
NM_003665	FCN3	0	0.319400272603362	1	2.00E-04	NA	NA	0.0014	0
NM_173452	FCN3	0	0.319400272603362	1	2.00E-04	NA	NA	0.0014	0
NM_001243194	INPP5F	0	0.319854611540209	1	2.00E-04	NA	NA	0.0014	0
NM_014901	RNF44	0	0.319854611540209	1	2.00E-04	NA	NA	0.0014	0
NM_173488	SLCO6A1	0	0.320308950477056	0.9472	0.0532	NA	NA	0.1296	0.0039
NM_015302	HAUS5	0	0.320763289413903	1	2.00E-04	NA	NA	0.0014	0
NM_001033561	PHF12	0	0.320763289413903	1	2.00E-04	NA	NA	0.0014	0
NM_020889	PHF12	0	0.320763289413903	1	2.00E-04	NA	NA	0.0014	0
NM_001244962	FRMD3	0	0.320763289413903	1	2.00E-04	NA	NA	0.0014	0
NR_002327	SNORA10	0	0.32121762835075	1	2.00E-04	NA	NA	0.0014	0
NM_020448	NIPAL3	0	0.321671967287597	1	2.00E-04	NA	NA	0.0014	0
NM_138639	BCL2L12	0	0.322126306224443	1	2.00E-04	NA	NA	0.0014	0
NM_001040668	BCL2L12	0	0.322126306224443	1	2.00E-04	NA	NA	0.0014	0
NM_001282516	BCL2L12	0	0.322126306224443	1	2.00E-04	NA	NA	0.0014	0
NM_001282517	BCL2L12	0	0.322126306224443	1	2.00E-04	NA	NA	0.0014	0
NM_001282519	BCL2L12	0	0.322126306224443	1	2.00E-04	NA	NA	0.0014	0
NM_001282520	BCL2L12	0	0.322126306224443	1	2.00E-04	NA	NA	0.0014	0
NM_001282521	BCL2L12	0	0.322126306224443	1	2.00E-04	NA	NA	0.0014	0
NR_104200	BCL2L12	0	0.322126306224443	1	2.00E-04	NA	NA	0.0014	0
NR_104201	BCL2L12	0	0.322126306224443	1	2.00E-04	NA	NA	0.0014	0

NR_104202	BCL2L12	0	0.322126306224443	1	2.00E-04	NA	NA	0.0014	0
NR_104203	BCL2L12	0	0.322126306224443	1	2.00E-04	NA	NA	0.0014	0
NR_104204	BCL2L12	0	0.322126306224443	1	4.00E-04	NA	NA	0.0029	0
NR_104205	BCL2L12	0	0.322126306224443	1	2.00E-04	NA	NA	0.0014	0
NM_001199013	STPG1	0	0.322126306224443	1	2.00E-04	NA	NA	0.0014	0
NM_001199014	STPG1	0	0.322126306224443	1	2.00E-04	NA	NA	0.0014	0
NM_178122	STPG1	0	0.322126306224443	1	2.00E-04	NA	NA	0.0014	0
NM_016474	CCDC174	0	0.32258064516129	1	2.00E-04	NA	NA	0.0014	0
NM_153449	SLC2A14	0	0.32258064516129	1	2.00E-04	NA	NA	0.0014	0
NM_014804	KIAA0753	0	0.32258064516129	1	2.00E-04	NA	NA	0.0014	0
NM_001197294	DPYSL3	0	0.32258064516129	0.999	0.0012	NA	NA	0.0091	1.00E-04
NR_077247	RPS18P9	0	0.323034984098137	1	2.00E-04	NA	NA	0.0014	0
NM_001145101	BTBD18	0	0.323034984098137	1	2.00E-04	NA	NA	0.0014	0
NR_040042	DACT3-AS1	0	0.323489323034984	1	2.00E-04	NA	NA	0.0014	0
NM_012156	EPB41L1	0	0.323489323034984	1	2.00E-04	NA	NA	0.0014	0
NM_020873	LRRN1	0	0.323489323034984	1	2.00E-04	NA	NA	0.0014	0
NM_001282631	ARSE	0.0926851431167651	0.416628805088596	1	2.00E-04	NA	NA	0.0014	0
NM_001004304	ZNF740	0	0.323943661971831	1	2.00E-04	NA	NA	0.0014	0
NM_001167990	PQBP1	0	0.323943661971831	1	2.00E-04	NA	NA	0.0014	0
NM_178311	GGTLC1	0	0.323943661971831	1	2.00E-04	NA	NA	0.0014	0
NM_001164738	CALCR	0	0.323943661971831	1	2.00E-04	NA	NA	0.0014	0
NM_182594	ZNF454	0	0.324398000908678	1	2.00E-04	NA	NA	0.0014	0
NM_001178090	ZNF454	0	0.324398000908678	1	2.00E-04	NA	NA	0.0014	0
NM_001178089	ZNF454	0	0.324398000908678	1	2.00E-04	NA	NA	0.0014	0
NM_145064	STAC3	0	0.324852339845525	1	2.00E-04	NA	NA	0.0014	0
NM_012322	LSM5	0	0.324852339845525	1	2.00E-04	NA	NA	0.0014	0
NM_018310	BRF2	0	0.324852339845525	1	2.00E-04	NA	NA	0.0014	0
NM_012118	CCRN4L	0	0.325306678782372	1	2.00E-04	NA	NA	0.0014	0
NR_103715	LINC00269	0	0.325306678782372	1	2.00E-04	NA	NA	0.0014	0
NM_018133	MSL2	0	0.325306678782372	1	2.00E-04	NA	NA	0.0014	0
NM_001204269	KCNA2	0	0.325761017719219	1	2.00E-04	NA	NA	0.0014	0
NM_001174060	OSBPL10	0	0.325761017719219	1	2.00E-04	NA	NA	0.0014	0
NM_017784	OSBPL10	0	0.325761017719219	1	2.00E-04	NA	NA	0.0014	0
NM_003086	SNAPC4	0	0.325761017719219	1	2.00E-04	NA	NA	0.0014	0
NM_024835	GGNBP2	0	0.326215356656065	1	2.00E-04	NA	NA	0.0014	0
NR_036532	UBAC2-AS1	0	0.326215356656065	1	2.00E-04	NA	NA	0.0014	0
NM_014976	PDCD11	0	0.326669695592912	1	2.00E-04	NA	NA	0.0014	0
NM_000600	IL6	0.189004997728305	0.515674693321218	1	2.00E-04	NA	NA	0.0014	0
NR_026553	LINC00161	0	0.327124034529759	1	2.00E-04	NA	NA	0.0014	0
NR_026552	LINC00161	0	0.327124034529759	1	2.00E-04	NA	NA	0.0014	0
NM_018078	LARP1B	0	0.327124034529759	1	2.00E-04	NA	NA	0.0014	0

NM_032239	LARP1B	0	0.327124034529759	1	2.00E-04	NA	NA	0.0014	0
NM_178043	LARP1B	0	0.327124034529759	1	2.00E-04	NA	NA	0.0014	0
NM_001278604	LARP1B	0	0.327124034529759	1	2.00E-04	NA	NA	0.0014	0
NM_022725	FANCF	0	0.327124034529759	1	2.00E-04	NA	NA	0.0014	0
NR_036531	UBAC2-AS1	0	0.327124034529759	1	2.00E-04	NA	NA	0.0014	0
NM_001256566	F2RL2	0	0.327124034529759	1	2.00E-04	NA	NA	0.0014	0
NM_004101	F2RL2	0	0.327124034529759	1	2.00E-04	NA	NA	0.0014	0
NM_004109	FDX1	0	0.327578373466606	1	2.00E-04	NA	NA	0.0014	0
NM_201554	DGKA	0	0.327578373466606	1	2.00E-04	NA	NA	0.0014	0
NM_201445	DGKA	0	0.327578373466606	1	2.00E-04	NA	NA	0.0014	0
NM_201444	DGKA	0	0.327578373466606	1	2.00E-04	NA	NA	0.0014	0
NM_144716	CCDC12	0	0.327578373466606	1	2.00E-04	NA	NA	0.0014	0
NM_021188	ZNF410	0	0.328032712403453	1	2.00E-04	NA	NA	0.0014	0
NM_001242928	ZNF410	0	0.328032712403453	1	2.00E-04	NA	NA	0.0014	0
NM_001242927	ZNF410	0	0.328032712403453	1	2.00E-04	NA	NA	0.0014	0
NM_001242926	ZNF410	0	0.328032712403453	1	2.00E-04	NA	NA	0.0014	0
NM_001242924	ZNF410	0	0.328032712403453	1	2.00E-04	NA	NA	0.0014	0
NR_040251	ZNF410	0	0.328032712403453	1	2.00E-04	NA	NA	0.0014	0
NM_001145158	HBS1L	0	0.3284870513403	1	2.00E-04	NA	NA	0.0014	0
NM_006620	HBS1L	0	0.3284870513403	1	2.00E-04	NA	NA	0.0014	0
NM_001145207	HBS1L	0	0.3284870513403	1	2.00E-04	NA	NA	0.0014	0
NM_170733	BDNF	0	0.328941390277147	1	2.00E-04	NA	NA	0.0014	0
NM_172201	KCNE2	0	0.329395729213994	1	2.00E-04	NA	NA	0.0014	0
NM_001278938	EBAG9	0	0.329395729213994	1	2.00E-04	NA	NA	0.0014	0
NM_001042384	CEP63	0	0.330304407087687	1	2.00E-04	NA	NA	0.0014	0
NM_001042383	CEP63	0	0.330304407087687	1	2.00E-04	NA	NA	0.0014	0
NM_001142416	AIMP1	0	0.330304407087687	1	2.00E-04	NA	NA	0.0014	0
NM_001103184	FMN1	0	0.330758746024534	1	2.00E-04	NA	NA	0.0014	0
NR_003291	ANKRD18DP	0	0.330758746024534	1	2.00E-04	NA	NA	0.0014	0
NM_005479	FRAT1	0	0.331213084961381	1	2.00E-04	NA	NA	0.0014	0
NM_001145291	PDE6B	0	0.331213084961381	1	2.00E-04	NA	NA	0.0014	0
NM_000283	PDE6B	0	0.331213084961381	1	2.00E-04	NA	NA	0.0014	0
NM_004488	GP5	0	0.331213084961381	1	2.00E-04	NA	NA	0.0014	0
NM_001001711	DDI1	0	0.331667423898228	1	2.00E-04	NA	NA	0.0014	0
NM_001083612	HYKK	0	0.331667423898228	1	2.00E-04	NA	NA	0.0014	0
NM_001013619	HYKK	0	0.331667423898228	1	2.00E-04	NA	NA	0.0014	0
NM_138711	PPARG	0	0.331667423898228	1	2.00E-04	NA	NA	0.0014	0
NM_182757	RNF144B	0	0.331667423898228	1	2.00E-04	NA	NA	0.0014	0
NM_213566	DFFA	0	0.331667423898228	1	2.00E-04	NA	NA	0.0014	0
NM_004401	DFFA	0	0.331667423898228	1	2.00E-04	NA	NA	0.0014	0
NM_004951	GPR183	0	0.331667423898228	1	2.00E-04	NA	NA	0.0014	0

NM_001005920	JMJD8	0	0.331667423898228	1	2.00E-04	NA	NA	0.0014	0
NM_139076	FAM175A	0	0.331667423898228	1	2.00E-04	NA	NA	0.0014	0
NM_006598	SLC12A7	0	0.331667423898228	1	2.00E-04	NA	NA	0.0014	0
NM_001161662	WWC1	0	0.332121762835075	1	2.00E-04	NA	NA	0.0014	0
NM_001161661	WWC1	0	0.332121762835075	1	2.00E-04	NA	NA	0.0014	0
NM_015238	WWC1	0	0.332121762835075	1	2.00E-04	NA	NA	0.0014	0
NM_005663	NELFA	0	0.332576101771922	1	2.00E-04	NA	NA	0.0014	0
NM_014717	ZNF536	0	0.333030440708769	1	2.00E-04	NA	NA	0.0014	0
NM_014452	TNFRSF21	0	0.333030440708769	1	2.00E-04	NA	NA	0.0014	0
NM_152704	AMER2	0.08905043162199	0.422535211267606	1	2.00E-04	NA	NA	0.0014	0
NM_199138	AMER2	0.08905043162199	0.422535211267606	1	2.00E-04	NA	NA	0.0014	0
NR_036498	LOC388906	0	0.333939118582463	1	2.00E-04	NA	NA	0.0014	0
NM_006007	ZFAND5	0	0.334847796456156	1	2.00E-04	NA	NA	0.0014	0
NM_001102421	ZFAND5	0	0.334847796456156	1	2.00E-04	NA	NA	0.0014	0
NM_001102420	ZFAND5	0	0.334847796456156	1	2.00E-04	NA	NA	0.0014	0
NM_001177665	RIF1	0	0.335302135393003	1	2.00E-04	NA	NA	0.0014	0
NM_001177663	RIF1	0	0.335302135393003	1	2.00E-04	NA	NA	0.0014	0
NM_001177664	RIF1	0	0.335302135393003	1	2.00E-04	NA	NA	0.0014	0
NM_018151	RIF1	0	0.335302135393003	1	2.00E-04	NA	NA	0.0014	0
NR_003593	TTY23B	0	0.335302135393003	1	2.00E-04	NA	NA	0.0014	0
NR_001540	TTY23	0	0.335302135393003	1	2.00E-04	NA	NA	0.0014	0
NM_000209	PDX1	0	0.33575647432985	1	2.00E-04	NA	NA	0.0014	0
NR_001282	PCDHB19P	0	0.33575647432985	1	2.00E-04	NA	NA	0.0014	0
NM_001171811	GBA	0	0.33575647432985	1	2.00E-04	NA	NA	0.0014	0
NM_001005742	GBA	0	0.33575647432985	1	2.00E-04	NA	NA	0.0014	0
NM_001005741	GBA	0	0.33575647432985	1	2.00E-04	NA	NA	0.0014	0
NM_002208	ITGAE	0	0.33575647432985	1	2.00E-04	NA	NA	0.0014	0
NM_025184	EFHC2	0	0.33575647432985	1	2.00E-04	NA	NA	0.0014	0
NM_001178099	ZNF182	0	0.33575647432985	1	2.00E-04	NA	NA	0.0014	0
NM_001007088	ZNF182	0	0.33575647432985	1	2.00E-04	NA	NA	0.0014	0
NM_006962	ZNF182	0	0.33575647432985	1	2.00E-04	NA	NA	0.0014	0
NM_031889	ENAM	0	0.336210813266697	1	2.00E-04	NA	NA	0.0014	0
NM_015693	INTU	0	0.336210813266697	1	2.00E-04	NA	NA	0.0014	0
NM_016044	FAHD2A	0	0.337119491140391	1	2.00E-04	NA	NA	0.0014	0
NM_182521	ZSWIM2	0	0.337119491140391	1	2.00E-04	NA	NA	0.0014	0
NR_104260	PRDM15	0	0.337119491140391	1	2.00E-04	NA	NA	0.0014	0
NM_001130701	STYX	0	0.337573830077238	1	2.00E-04	NA	NA	0.0014	0
NM_145251	STYX	0	0.337573830077238	1	2.00E-04	NA	NA	0.0014	0
NM_020536	CSRP2BP	0	0.337573830077238	1	2.00E-04	NA	NA	0.0014	0
NM_006690	MMP24	0	0.337573830077238	1	2.00E-04	NA	NA	0.0014	0
NM_024303	ZSCAN5A	0	0.337573830077238	1	2.00E-04	NA	NA	0.0014	0

NM_173354	SIK1	0	0.337573830077238	1	2.00E-04	NA	NA	0.0014	0
NM_024422	DSC2	0	0.338028169014085	1	2.00E-04	NA	NA	0.0014	0
NM_004949	DSC2	0	0.338028169014085	1	2.00E-04	NA	NA	0.0014	0
NM_001198954	RNF103-CHMP3	0	0.338028169014085	1	2.00E-04	NA	NA	0.0014	0
NM_175058	PLEKHA7	0	0.338482507950931	1	2.00E-04	NA	NA	0.0014	0
NM_206954	PRAME	0	0.338482507950931	1	2.00E-04	NA	NA	0.0014	0
NM_006115	PRAME	0	0.338482507950931	1	2.00E-04	NA	NA	0.0014	0
NM_206956	PRAME	0	0.338482507950931	1	2.00E-04	NA	NA	0.0014	0
NM_206955	PRAME	0	0.338482507950931	1	2.00E-04	NA	NA	0.0014	0
NM_206953	PRAME	0	0.338482507950931	1	2.00E-04	NA	NA	0.0014	0
NM_004819	SYMPK	0	0.338936846887778	1	2.00E-04	NA	NA	0.0014	0
NM_002925	RGS10	0	0.339391185824625	1	2.00E-04	NA	NA	0.0014	0
NM_170713	RASSF1	0	0.339391185824625	1	2.00E-04	NA	NA	0.0014	0
NM_170712	RASSF1	0	0.339391185824625	1	2.00E-04	NA	NA	0.0014	0
NM_133371	MYOZ3	0	0.339845524761472	1	2.00E-04	NA	NA	0.0014	0
NM_001122853	MYOZ3	0	0.339845524761472	1	2.00E-04	NA	NA	0.0014	0
NM_014368	LHX6	0	0.339845524761472	1	2.00E-04	NA	NA	0.0014	0
NM_199160	LHX6	0	0.339845524761472	1	2.00E-04	NA	NA	0.0014	0
NM_001785	CDA	0	0.340299863698319	1	2.00E-04	NA	NA	0.0014	0
NM_001199319	PEX26	0	0.340299863698319	1	2.00E-04	NA	NA	0.0014	0
NM_017929	PEX26	0	0.340299863698319	1	2.00E-04	NA	NA	0.0014	0
NM_145062	ZUFSP	0	0.340299863698319	1	2.00E-04	NA	NA	0.0014	0
NM_175747	OLIG3	0	0.340299863698319	1	2.00E-04	NA	NA	0.0014	0
NR_024373	MIR4435-1HG	0.100863243980009	0.441617446615175	1	2.00E-04	NA	NA	0.0014	0
NR_015395	MIR4435-1HG	0.100863243980009	0.441617446615175	1	2.00E-04	NA	NA	0.0014	0
NM_080429	AQP10	0	0.340754202635166	1	2.00E-04	NA	NA	0.0014	0
NM_001013703	EIF2AK4	0	0.340754202635166	1	2.00E-04	NA	NA	0.0014	0
NM_021627	SEN2	0	0.340754202635166	1	2.00E-04	NA	NA	0.0014	0
NM_003106	SOX2	0	0.341208541572013	1	2.00E-04	NA	NA	0.0014	0
NM_206824	VKORC1	0	0.341208541572013	1	2.00E-04	NA	NA	0.0014	0
NM_024006	VKORC1	0	0.341208541572013	1	2.00E-04	NA	NA	0.0014	0
NM_001197181	TUBB3	0.106315311222172	0.447978191731031	1	2.00E-04	NA	NA	0.0014	0
NM_014400	LYPD3	0	0.34166288050886	1	2.00E-04	NA	NA	0.0014	0
NM_016306	DNAJB11	0	0.342117219445706	1	2.00E-04	NA	NA	0.0014	0
NM_052916	RNF157	0	0.342571558382553	1	2.00E-04	NA	NA	0.0014	0
NM_000922	PDE3B	0	0.343480236256247	1	2.00E-04	NA	NA	0.0014	0
NM_030777	SLC2A10	0	0.343934575193094	1	2.00E-04	NA	NA	0.0014	0
NM_020187	HMCES	0	0.343934575193094	1	2.00E-04	NA	NA	0.0014	0
NM_001006109	HMCES	0	0.343934575193094	1	2.00E-04	NA	NA	0.0014	0
NM_207407	TMPRSS11F	0	0.343934575193094	1	2.00E-04	NA	NA	0.0014	0
NR_039946	MIR4785	0	0.344843253066788	1	2.00E-04	NA	NA	0.0014	0

NM_001257	CDH13	0	0.345297592003635	1	2.00E-04	NA	NA	0.0014	0
NM_001220490	CDH13	0	0.345297592003635	1	2.00E-04	NA	NA	0.0014	0
NM_001220489	CDH13	0	0.345297592003635	1	2.00E-04	NA	NA	0.0014	0
NM_001220488	CDH13	0	0.345297592003635	1	2.00E-04	NA	NA	0.0014	0
NM_001220491	CDH13	0	0.345297592003635	1	2.00E-04	NA	NA	0.0014	0
NM_001220492	CDH13	0	0.345297592003635	1	2.00E-04	NA	NA	0.0014	0
NM_181786	HKR1	0	0.345297592003635	1	2.00E-04	NA	NA	0.0014	0
NM_014639	TTC37	0	0.345297592003635	1	2.00E-04	NA	NA	0.0014	0
NM_212460	ARL4A	0	0.345751930940482	1	2.00E-04	NA	NA	0.0014	0
NM_001037164	ARL4A	0	0.345751930940482	1	2.00E-04	NA	NA	0.0014	0
NM_032871	RELT	0	0.346206269877328	1	2.00E-04	NA	NA	0.0014	0
NM_152222	RELT	0	0.346206269877328	1	2.00E-04	NA	NA	0.0014	0
NM_002508	NID1	0	0.346206269877328	1	2.00E-04	NA	NA	0.0014	0
NM_001110361	RNASE9	0.193094048159927	0.539300318037256	0.936	0.0578	NA	NA	0.1296	0.0043
NM_001110359	RNASE9	0.193094048159927	0.539300318037256	0.9452	0.0604	NA	NA	0.1296	0.0045
NM_001110358	RNASE9	0.193094048159927	0.539300318037256	0.9424	0.0592	NA	NA	0.1296	0.0044
NM_001110360	RNASE9	0.193094048159927	0.539300318037256	0.934	0.06	NA	NA	0.1296	0.0044
NM_001110357	RNASE9	0.193094048159927	0.539300318037256	0.94	0.0546	NA	NA	0.1296	0.004
NM_001110356	RNASE9	0.193094048159927	0.539300318037256	0.942	0.0572	NA	NA	0.1296	0.0042
NM_001001673	RNASE9	0.193094048159927	0.539300318037256	0.9456	0.0552	NA	NA	0.1296	0.0041
NM_032023	RASSF4	0	0.346660608814175	1	2.00E-04	NA	NA	0.0014	0
NM_001243775	LIMA1	0	0.346660608814175	1	2.00E-04	NA	NA	0.0014	0
NM_032353	VPS25	0	0.347114947751022	1	2.00E-04	NA	NA	0.0014	0
NM_001111018	NAV2	0	0.347569286687869	1	2.00E-04	NA	NA	0.0014	0
NM_198277	SLC37A2	0	0.347569286687869	1	2.00E-04	NA	NA	0.0014	0
NM_001145290	SLC37A2	0	0.347569286687869	1	2.00E-04	NA	NA	0.0014	0
NM_006385	ZNF211	0	0.347569286687869	1	2.00E-04	NA	NA	0.0014	0
NM_001265597	ZNF211	0	0.347569286687869	1	2.00E-04	NA	NA	0.0014	0
NM_198855	ZNF211	0	0.347569286687869	1	2.00E-04	NA	NA	0.0014	0
NM_001265600	ZNF211	0	0.347569286687869	1	2.00E-04	NA	NA	0.0014	0
NM_001265599	ZNF211	0	0.347569286687869	1	2.00E-04	NA	NA	0.0014	0
NM_001265598	ZNF211	0	0.347569286687869	1	2.00E-04	NA	NA	0.0014	0
NR_049754	ZNF211	0	0.347569286687869	1	2.00E-04	NA	NA	0.0014	0
NR_049753	ZNF211	0	0.347569286687869	1	2.00E-04	NA	NA	0.0014	0
NR_049752	ZNF211	0	0.347569286687869	1	2.00E-04	NA	NA	0.0014	0
NM_001937	DPT	0	0.348023625624716	1	2.00E-04	NA	NA	0.0014	0
NR_037653	ST20	0	0.348023625624716	1	2.00E-04	NA	NA	0.0014	0
NR_037652	ST20	0	0.348023625624716	1	2.00E-04	NA	NA	0.0014	0
NM_000440	PDE6A	0	0.348023625624716	1	2.00E-04	NA	NA	0.0014	0
NM_002164	IDO1	0	0.34893230349841	1	2.00E-04	NA	NA	0.0014	0
NM_001142370	PTPN18	0	0.349386642435257	1	2.00E-04	NA	NA	0.0014	0



NM_014369	<i>PTPN18</i>	0	0.349386642435257	1	2.00E-04	NA	NA	0.0014	0
NM_001135773	<i>SPATA2</i>	0	0.349386642435257	1	2.00E-04	NA	NA	0.0014	0
NM_213590	<i>TRIM13</i>	0	0.350749659245797	1	2.00E-04	NA	NA	0.0014	0
NM_001007278	<i>TRIM13</i>	0	0.350749659245797	1	2.00E-04	NA	NA	0.0014	0
NM_052811	<i>TRIM13</i>	0	0.350749659245797	1	2.00E-04	NA	NA	0.0014	0
NM_005798	<i>TRIM13</i>	0	0.350749659245797	1	2.00E-04	NA	NA	0.0014	0
NM_152377	<i>C1orf87</i>	0	0.350749659245797	1	2.00E-04	NA	NA	0.0014	0
NM_001243611	<i>LMO3</i>	0	0.351658337119491	1	2.00E-04	NA	NA	0.0014	0
NM_005080	<i>XBP1</i>	0	0.351658337119491	1	2.00E-04	NA	NA	0.0014	0
NM_001079539	<i>XBP1</i>	0	0.351658337119491	1	2.00E-04	NA	NA	0.0014	0
NM_181573	<i>RFC4</i>	0	0.351658337119491	1	2.00E-04	NA	NA	0.0014	0
NM_002916	<i>RFC4</i>	0	0.351658337119491	1	2.00E-04	NA	NA	0.0014	0
NM_181645	<i>CCDC67</i>	0	0.352567014993185	1	2.00E-04	NA	NA	0.0014	0
NM_000236	<i>LIPC</i>	0.147205815538392	0.500227169468423	1	2.00E-04	NA	NA	0.0014	0
NM_181358	<i>HIPK1</i>	0	0.353021353930032	1	2.00E-04	NA	NA	0.0014	0
NM_001256395	<i>RHBG</i>	0	0.353021353930032	1	2.00E-04	NA	NA	0.0014	0
NM_020407	<i>RHBG</i>	0	0.353021353930032	1	2.00E-04	NA	NA	0.0014	0
NM_001256396	<i>RHBG</i>	0	0.353021353930032	1	2.00E-04	NA	NA	0.0014	0
NR_046115	<i>RHBG</i>	0	0.353021353930032	1	2.00E-04	NA	NA	0.0014	0
NM_021902	<i>FXD1</i>	0	0.353021353930032	1	2.00E-04	NA	NA	0.0014	0
NM_001278717	<i>FXD1</i>	0	0.353021353930032	1	2.00E-04	NA	NA	0.0014	0
NM_002194	<i>INPP1</i>	0	0.353021353930032	1	2.00E-04	NA	NA	0.0014	0
NM_001128928	<i>INPP1</i>	0	0.353021353930032	1	2.00E-04	NA	NA	0.0014	0
NM_133367	<i>PAQR8</i>	0	0.353021353930032	1	2.00E-04	NA	NA	0.0014	0
NM_001135697	<i>SGCA</i>	0	0.353475692866879	1	2.00E-04	NA	NA	0.0014	0
NM_000023	<i>SGCA</i>	0	0.353475692866879	1	2.00E-04	NA	NA	0.0014	0
NM_199262	<i>SP6</i>	0	0.353475692866879	1	2.00E-04	NA	NA	0.0014	0
NM_001199148	<i>SLC38A11</i>	0	0.353475692866879	1	2.00E-04	NA	NA	0.0014	0
NM_173512	<i>SLC38A11</i>	0	0.353475692866879	1	2.00E-04	NA	NA	0.0014	0
NM_007226	<i>NXPH2</i>	0.097228532485234	0.45115856428896	1	2.00E-04	NA	NA	0.0014	0
NM_152683	<i>CCDC111</i>	0	0.354384370740572	1	2.00E-04	NA	NA	0.0014	0
NM_012244	<i>SLC7A8</i>	0	0.354384370740572	1	2.00E-04	NA	NA	0.0014	0
NM_012072	<i>CD93</i>	0	0.354384370740572	1	2.00E-04	NA	NA	0.0014	0
NM_017746	<i>TEX10</i>	0	0.354384370740572	1	2.00E-04	NA	NA	0.0014	0
NM_001161584	<i>TEX10</i>	0	0.354384370740572	1	2.00E-04	NA	NA	0.0014	0
NM_006027	<i>EXO1</i>	0	0.354838709677419	1	2.00E-04	NA	NA	0.0014	0
NM_003686	<i>EXO1</i>	0	0.354838709677419	1	2.00E-04	NA	NA	0.0014	0
NR_027402	<i>FAM223B</i>	0	0.354838709677419	1	2.00E-04	NA	NA	0.0014	0
NR_027401	<i>FAM223A</i>	0	0.354838709677419	1	2.00E-04	NA	NA	0.0014	0
NR_002923	<i>BCORP1</i>	0	0.354838709677419	1	2.00E-04	NA	NA	0.0014	0
NR_033732	<i>BCORP1</i>	0	0.354838709677419	1	2.00E-04	NA	NA	0.0014	0

NM_001130033	<i>PLEKHB1</i>	0	0.355293048614266	1	2.00E-04	NA	NA	0.0014	0
NM_021200	<i>PLEKHB1</i>	0	0.355293048614266	1	2.00E-04	NA	NA	0.0014	0
NM_001136006	<i>GART</i>	0	0.355293048614266	1	2.00E-04	NA	NA	0.0014	0
NM_001136005	<i>GART</i>	0	0.355293048614266	1	2.00E-04	NA	NA	0.0014	0
NM_020127	<i>TUFT1</i>	0	0.35620172648796	1	2.00E-04	NA	NA	0.0014	0
NM_001126337	<i>TUFT1</i>	0	0.35620172648796	1	2.00E-04	NA	NA	0.0014	0
NM_133444	<i>ZNF526</i>	0	0.35620172648796	1	2.00E-04	NA	NA	0.0014	0
NM_006462	<i>RBCK1</i>	0	0.35620172648796	1	2.00E-04	NA	NA	0.0014	0
NM_031229	<i>RBCK1</i>	0	0.35620172648796	1	2.00E-04	NA	NA	0.0014	0
NM_018953	<i>HOXC5</i>	0	0.356656065424807	1	2.00E-04	NA	NA	0.0014	0
NM_152860	<i>SP7</i>	0	0.356656065424807	1	2.00E-04	NA	NA	0.0014	0
NM_020675	<i>SPC25</i>	0	0.356656065424807	1	2.00E-04	NA	NA	0.0014	0
NR_102741	<i>LINC01024</i>	0	0.356656065424807	1	2.00E-04	NA	NA	0.0014	0
NR_102740	<i>LINC01024</i>	0	0.356656065424807	1	2.00E-04	NA	NA	0.0014	0
NR_102739	<i>LINC01024</i>	0	0.356656065424807	1	2.00E-04	NA	NA	0.0014	0
NM_004356	<i>CD81</i>	0	0.357110404361654	1	2.00E-04	NA	NA	0.0014	0
NM_014110	<i>PPP1R8</i>	0	0.357564743298501	1	2.00E-04	NA	NA	0.0014	0
NM_002713	<i>PPP1R8</i>	0	0.357564743298501	1	2.00E-04	NA	NA	0.0014	0
NM_138558	<i>PPP1R8</i>	0	0.357564743298501	1	2.00E-04	NA	NA	0.0014	0
NM_001282619	<i>GNAI2</i>	0	0.357564743298501	1	2.00E-04	NA	NA	0.0014	0
NM_001282620	<i>GNAI2</i>	0	0.357564743298501	1	2.00E-04	NA	NA	0.0014	0
NR_030724	<i>XPNPEP1</i>	0	0.357564743298501	1	2.00E-04	NA	NA	0.0014	0
NM_020383	<i>XPNPEP1</i>	0	0.357564743298501	1	2.00E-04	NA	NA	0.0014	0
NM_001167604	<i>XPNPEP1</i>	0	0.357564743298501	1	2.00E-04	NA	NA	0.0014	0
NM_171997	<i>USP2</i>	0	0.357564743298501	1	2.00E-04	NA	NA	0.0014	0
NM_004854	<i>CHST10</i>	0	0.357564743298501	1	2.00E-04	NA	NA	0.0014	0
NM_001507	<i>MLNR</i>	0	0.358019082235348	1	2.00E-04	NA	NA	0.0014	0
NM_019595	<i>ITSN2</i>	0	0.358019082235348	1	2.00E-04	NA	NA	0.0014	0
NM_147152	<i>ITSN2</i>	0	0.358019082235348	1	2.00E-04	NA	NA	0.0014	0
NM_006277	<i>ITSN2</i>	0	0.358019082235348	1	2.00E-04	NA	NA	0.0014	0
NM_001688	<i>ATP5F1</i>	0	0.358473421172194	1	2.00E-04	NA	NA	0.0014	0
NM_198998	<i>AQP12A</i>	0	0.358473421172194	1	2.00E-04	NA	NA	0.0014	0
NM_178140	<i>PDZD2</i>	0	0.358473421172194	1	2.00E-04	NA	NA	0.0014	0
NM_001142598	<i>P4HA2</i>	0	0.358473421172194	1	2.00E-04	NA	NA	0.0014	0
NM_001142599	<i>P4HA2</i>	0	0.358473421172194	1	2.00E-04	NA	NA	0.0014	0
NM_001017974	<i>P4HA2</i>	0	0.358473421172194	1	2.00E-04	NA	NA	0.0014	0
NM_015253	<i>WSCD1</i>	0	0.358927760109041	1	2.00E-04	NA	NA	0.0014	0
NM_001135812	<i>FAM60A</i>	0	0.358927760109041	1	2.00E-04	NA	NA	0.0014	0
NM_001135811	<i>FAM60A</i>	0	0.358927760109041	1	2.00E-04	NA	NA	0.0014	0
NM_021238	<i>FAM60A</i>	0	0.358927760109041	1	2.00E-04	NA	NA	0.0014	0
NM_001174129	<i>SLC11A2</i>	0	0.359382099045888	1	2.00E-04	NA	NA	0.0014	0

NM_001146008	<i>SLCO5A1</i>	0	0.359382099045888	1	2.00E-04	NA	NA	0.0014	0
NM_005650	<i>TCF20</i>	0	0.359836437982735	1	2.00E-04	NA	NA	0.0014	0
NM_181492	<i>TCF20</i>	0	0.359836437982735	1	2.00E-04	NA	NA	0.0014	0
NM_001271825	<i>SERPINB6</i>	0	0.359836437982735	1	2.00E-04	NA	NA	0.0014	0
NM_001113382	<i>FER1L5</i>	0	0.360290776919582	1	2.00E-04	NA	NA	0.0014	0
NM_182492	<i>LRP5L</i>	0	0.360290776919582	1	2.00E-04	NA	NA	0.0014	0
NM_020397	<i>CAMK1D</i>	0	0.361199454793276	1	2.00E-04	NA	NA	0.0014	0
NM_153498	<i>CAMK1D</i>	0	0.361199454793276	1	2.00E-04	NA	NA	0.0014	0
NM_001014830	<i>C14orf183</i>	0	0.361653793730123	1	2.00E-04	NA	NA	0.0014	0
NM_001243386	<i>PARVB</i>	0	0.36210813266697	1	2.00E-04	NA	NA	0.0014	0
NR_002987	<i>SNORA61</i>	0	0.36210813266697	1	2.00E-04	NA	NA	0.0014	0
NM_001145636	<i>C1orf228</i>	0	0.363016810540663	1	2.00E-04	NA	NA	0.0014	0
NM_001130035	<i>PLEKHB1</i>	0	0.363016810540663	1	2.00E-04	NA	NA	0.0014	0
NM_001130034	<i>PLEKHB1</i>	0	0.363016810540663	1	2.00E-04	NA	NA	0.0014	0
NR_026759	<i>FAM95B1</i>	0	0.363016810540663	1	2.00E-04	NA	NA	0.0014	0
NM_016630	<i>SPG21</i>	0	0.363016810540663	1	2.00E-04	NA	NA	0.0014	0
NM_001127890	<i>SPG21</i>	0	0.363016810540663	1	2.00E-04	NA	NA	0.0014	0
NM_001278216	<i>CDK5RAP3</i>	0	0.36347114947751	1	2.00E-04	NA	NA	0.0014	0
NM_176096	<i>CDK5RAP3</i>	0	0.36347114947751	1	2.00E-04	NA	NA	0.0014	0
NM_001278198	<i>CDK5RAP3</i>	0	0.36347114947751	1	2.00E-04	NA	NA	0.0014	0
NM_001278217	<i>CDK5RAP3</i>	0	0.36347114947751	1	2.00E-04	NA	NA	0.0014	0
NM_194442	<i>LBR</i>	0	0.36347114947751	1	2.00E-04	NA	NA	0.0014	0
NM_001272038	<i>RAB13</i>	0	0.363925488414357	1	2.00E-04	NA	NA	0.0014	0
NM_005584	<i>MAB21L1</i>	0	0.363925488414357	1	2.00E-04	NA	NA	0.0014	0
NM_017952	<i>PTCD3</i>	0.107678328032712	0.472058155383916	1	2.00E-04	NA	NA	0.0014	0
NM_016194	<i>GNB5</i>	0	0.364379827351204	1	2.00E-04	NA	NA	0.0014	0
NM_001256099	<i>CTHRC1</i>	0	0.364834166288051	1	2.00E-04	NA	NA	0.0014	0
NM_000942	<i>PPIB</i>	0	0.364834166288051	1	2.00E-04	NA	NA	0.0014	0
NM_133339	<i>RAD17</i>	0	0.365742844161745	1	2.00E-04	NA	NA	0.0014	0
NM_003187	<i>TAF9</i>	0	0.366197183098592	1	2.00E-04	NA	NA	0.0014	0
NM_016283	<i>AK6</i>	0	0.366197183098592	1	2.00E-04	NA	NA	0.0014	0
NM_001015891	<i>AK6</i>	0	0.366197183098592	1	2.00E-04	NA	NA	0.0014	0
NM_001015892	<i>TAF9</i>	0	0.366197183098592	1	2.00E-04	NA	NA	0.0014	0
NM_198531	<i>ATP9B</i>	0	0.366651522035438	1	2.00E-04	NA	NA	0.0014	0
NR_040022	<i>LOC100289495</i>	0	0.366651522035438	1	2.00E-04	NA	NA	0.0014	0
NM_001256585	<i>MGLL</i>	0	0.367105860972285	1	2.00E-04	NA	NA	0.0014	0
NM_007283	<i>MGLL</i>	0	0.367105860972285	1	2.00E-04	NA	NA	0.0014	0
NM_001003794	<i>MGLL</i>	0	0.367105860972285	1	2.00E-04	NA	NA	0.0014	0
NM_018902	<i>PCDHA11</i>	0	0.367560199909132	1	2.00E-04	NA	NA	0.0014	0
NM_031861	<i>PCDHA11</i>	0	0.367560199909132	1	2.00E-04	NA	NA	0.0014	0
NM_001190317	<i>IP6K2</i>	0	0.367560199909132	1	2.00E-04	NA	NA	0.0014	0

NM_001190316	IP6K2	0	0.367560199909132	1	2.00E-04	NA	NA	0.0014	0
NR_027438	IP6K2	0	0.367560199909132	1	2.00E-04	NA	NA	0.0014	0
NM_001146179	IP6K2	0	0.367560199909132	1	2.00E-04	NA	NA	0.0014	0
NM_001146178	IP6K2	0	0.367560199909132	1	2.00E-04	NA	NA	0.0014	0
NR_027437	IP6K2	0	0.367560199909132	1	2.00E-04	NA	NA	0.0014	0
NM_001005910	IP6K2	0	0.367560199909132	1	2.00E-04	NA	NA	0.0014	0
NM_001005909	IP6K2	0	0.367560199909132	1	2.00E-04	NA	NA	0.0014	0
NM_016291	IP6K2	0	0.367560199909132	1	2.00E-04	NA	NA	0.0014	0
NM_001005911	IP6K2	0	0.367560199909132	1	2.00E-04	NA	NA	0.0014	0
NM_024529	CDC73	0	0.368014538845979	1	2.00E-04	NA	NA	0.0014	0
NM_001337	CX3CR1	0.161744661517492	0.530213539300318	1	2.00E-04	NA	NA	0.0014	0
NM_015278	SASH1	0	0.368923216719673	1	2.00E-04	NA	NA	0.0014	0
NM_001281300	AGAP3	0	0.368923216719673	1	2.00E-04	NA	NA	0.0014	0
NM_031946	AGAP3	0	0.368923216719673	1	2.00E-04	NA	NA	0.0014	0
NM_001042535	AGAP3	0	0.368923216719673	1	2.00E-04	NA	NA	0.0014	0
NM_016125	RNFT1	0	0.368923216719673	1	2.00E-04	NA	NA	0.0014	0
NM_014643	ZNF516	0	0.368923216719673	1	2.00E-04	NA	NA	0.0014	0
NM_001243779	FAM213A	0	0.369831894593367	1	2.00E-04	NA	NA	0.0014	0
NM_001199742	GADD45A	0	0.370286233530214	1	2.00E-04	NA	NA	0.0014	0
NM_001199741	GADD45A	0	0.370286233530214	1	2.00E-04	NA	NA	0.0014	0
NM_001924	GADD45A	0	0.370286233530214	1	2.00E-04	NA	NA	0.0014	0
NM_001100121	ECE2	0	0.370286233530214	1	2.00E-04	NA	NA	0.0014	0
NM_001100120	ECE2	0	0.370286233530214	1	2.00E-04	NA	NA	0.0014	0
NM_001037324	ECE2	0	0.370286233530214	1	2.00E-04	NA	NA	0.0014	0
NM_000594	TNF	0	0.370286233530214	1	2.00E-04	NA	NA	0.0014	0
NM_001004480	OR11H6	0	0.37074057246706	1	2.00E-04	NA	NA	0.0014	0
NM_001204267	GABRA4	0	0.37074057246706	1	2.00E-04	NA	NA	0.0014	0
NM_001204266	GABRA4	0	0.37074057246706	1	2.00E-04	NA	NA	0.0014	0
NM_020971	SPTBN4	0	0.371649250340754	1	2.00E-04	NA	NA	0.0014	0
NM_020661	AICDA	0.0745115856428896	0.446160835983644	1	2.00E-04	NA	NA	0.0014	0
NM_000713	BLVRB	0	0.372103589277601	1	2.00E-04	NA	NA	0.0014	0
NM_001615	ACTG2	0	0.372557928214448	1	2.00E-04	NA	NA	0.0014	0
NM_001199893	ACTG2	0	0.372557928214448	1	2.00E-04	NA	NA	0.0014	0
NM_001251855	PIK3R5	0	0.372557928214448	1	2.00E-04	NA	NA	0.0014	0
NM_001251851	PIK3R5	0	0.372557928214448	1	2.00E-04	NA	NA	0.0014	0
NM_001142633	PIK3R5	0	0.372557928214448	1	2.00E-04	NA	NA	0.0014	0
NM_001251853	PIK3R5	0	0.372557928214448	1	2.00E-04	NA	NA	0.0014	0
NM_001251852	PIK3R5	0	0.372557928214448	1	2.00E-04	NA	NA	0.0014	0
NM_003199	TCF4	0	0.372557928214448	1	2.00E-04	NA	NA	0.0014	0
NM_001243230	TCF4	0	0.372557928214448	1	2.00E-04	NA	NA	0.0014	0
NM_001083962	TCF4	0	0.372557928214448	1	2.00E-04	NA	NA	0.0014	0

NM_199329	SLC43A3	0	0.373012267151295	1	2.00E-04	NA	NA	0.0014	0
NM_014096	SLC43A3	0	0.373012267151295	1	2.00E-04	NA	NA	0.0014	0
NM_001278201	SLC43A3	0	0.373012267151295	1	2.00E-04	NA	NA	0.0014	0
NM_001278206	SLC43A3	0	0.373012267151295	1	2.00E-04	NA	NA	0.0014	0
NM_001032280	TFAP2A	0	0.373012267151295	1	2.00E-04	NA	NA	0.0014	0
NM_001126181	NRGN	0	0.373920945024989	1	2.00E-04	NA	NA	0.0014	0
NM_006176	NRGN	0	0.373920945024989	1	2.00E-04	NA	NA	0.0014	0
NM_006468	POLR3C	0	0.373920945024989	1	2.00E-04	NA	NA	0.0014	0
NM_024587	TMEM53	0	0.374375283961836	1	2.00E-04	NA	NA	0.0014	0
NR_046200	LOC400558	0	0.374829622898682	1	2.00E-04	NA	NA	0.0014	0
NM_001135051	FAM160B1	0	0.375738300772376	1	2.00E-04	NA	NA	0.0014	0
NM_020940	FAM160B1	0	0.375738300772376	1	2.00E-04	NA	NA	0.0014	0
NM_015915	ATL1	0	0.376192639709223	1	2.00E-04	NA	NA	0.0014	0
NM_181598	ATL1	0	0.376192639709223	1	2.00E-04	NA	NA	0.0014	0
NM_012243	SLC35A3	0	0.37664697864607	1	2.00E-04	NA	NA	0.0014	0
NM_001271684	SLC35A3	0	0.37664697864607	1	2.00E-04	NA	NA	0.0014	0
NM_001127644	GABRA1	0	0.37664697864607	1	2.00E-04	NA	NA	0.0014	0
NM_001127645	GABRA1	0	0.37664697864607	1	2.00E-04	NA	NA	0.0014	0
NM_001127643	GABRA1	0	0.37664697864607	1	2.00E-04	NA	NA	0.0014	0
NM_001037536	SCML1	0	0.377101317582917	1	2.00E-04	NA	NA	0.0014	0
NM_001037535	SCML1	0	0.377101317582917	1	2.00E-04	NA	NA	0.0014	0
NM_001037540	SCML1	0	0.377101317582917	1	2.00E-04	NA	NA	0.0014	0
NM_006746	SCML1	0	0.377101317582917	1	2.00E-04	NA	NA	0.0014	0
NM_001145549	TXNDC5	0	0.377101317582917	1	2.00E-04	NA	NA	0.0014	0
NM_001145460	HOPX	0	0.377555656519764	1	2.00E-04	NA	NA	0.0014	0
NM_032495	HOPX	0	0.377555656519764	1	2.00E-04	NA	NA	0.0014	0
NM_139212	HOPX	0	0.377555656519764	1	2.00E-04	NA	NA	0.0014	0
NM_014994	MAPKBP1	0	0.378009995456611	1	2.00E-04	NA	NA	0.0014	0
NM_001128608	MAPKBP1	0	0.378009995456611	1	2.00E-04	NA	NA	0.0014	0
NM_001265611	MAPKBP1	0	0.378009995456611	1	2.00E-04	NA	NA	0.0014	0
NR_049762	MAPKBP1	0	0.378009995456611	1	2.00E-04	NA	NA	0.0014	0
NR_049761	MAPKBP1	0	0.378009995456611	1	2.00E-04	NA	NA	0.0014	0
NM_001168499	CNDP2	0	0.378009995456611	1	2.00E-04	NA	NA	0.0014	0
NM_019048	ASNSD1	0	0.378009995456611	1	2.00E-04	NA	NA	0.0014	0
NM_001003828	PARVB	0	0.378009995456611	1	2.00E-04	NA	NA	0.0014	0
NM_144570	HN1L	0	0.378918673330304	1	2.00E-04	NA	NA	0.0014	0
NM_005791	MPHOSPH10	0	0.378918673330304	1	2.00E-04	NA	NA	0.0014	0
NM_022062	PKNOX2	0	0.379373012267151	1	2.00E-04	NA	NA	0.0014	0
NM_004853	STX8	0	0.379373012267151	1	2.00E-04	NA	NA	0.0014	0
NR_033656	STX8	0	0.379373012267151	1	2.00E-04	NA	NA	0.0014	0
NM_033503	BMF	0	0.379827351203998	1	2.00E-04	NA	NA	0.0014	0

NM_001144030	NAT10	0	0.380736029077692	1	2.00E-04	NA	NA	0.0014	0
NM_024662	NAT10	0	0.380736029077692	1	2.00E-04	NA	NA	0.0014	0
NM_031990	PTBP1	0	0.382099045888233	1	2.00E-04	NA	NA	0.0014	0
NM_002819	PTBP1	0	0.382099045888233	1	2.00E-04	NA	NA	0.0014	0
NM_031991	PTBP1	0	0.382099045888233	1	2.00E-04	NA	NA	0.0014	0
NM_000143	FH	0	0.38255338482508	1	2.00E-04	NA	NA	0.0014	0
NM_017580	ZRANB1	0	0.383007723761926	1	2.00E-04	NA	NA	0.0014	0
NM_003173	SUV39H1	0	0.383007723761926	1	2.00E-04	NA	NA	0.0014	0
NM_001243876	SPHK2	0	0.383462062698773	1	2.00E-04	NA	NA	0.0014	0
NM_001204158	SPHK2	0	0.383462062698773	1	2.00E-04	NA	NA	0.0014	0
NM_020126	SPHK2	0	0.383462062698773	1	2.00E-04	NA	NA	0.0014	0
NR_003923	GUCY1B2	0	0.383462062698773	1	2.00E-04	NA	NA	0.0014	0
NR_038362	ZNF345	0	0.38391640163562	1	2.00E-04	NA	NA	0.0014	0
NM_001242474	ZNF345	0	0.38391640163562	1	2.00E-04	NA	NA	0.0014	0
NM_001242472	ZNF345	0	0.38391640163562	1	2.00E-04	NA	NA	0.0014	0
NM_003419	ZNF345	0	0.38391640163562	1	2.00E-04	NA	NA	0.0014	0
NM_006698	BLCAP	0	0.38391640163562	1	2.00E-04	NA	NA	0.0014	0
NM_001167820	BLCAP	0	0.38391640163562	1	2.00E-04	NA	NA	0.0014	0
NM_001167822	BLCAP	0	0.38391640163562	1	2.00E-04	NA	NA	0.0014	0
NM_001167821	BLCAP	0	0.38391640163562	1	2.00E-04	NA	NA	0.0014	0
NM_002353	TACSTD2	0	0.384370740572467	1	2.00E-04	NA	NA	0.0014	0
NM_000126	ETFA	0	0.384370740572467	1	2.00E-04	NA	NA	0.0014	0
NM_001127716	ETFA	0	0.384370740572467	1	4.00E-04	NA	NA	0.0029	0
NM_002975	CLEC11A	0.0885960926851431	0.473875511131304	1	2.00E-04	NA	NA	0.0014	0
NM_005943	MOCOS1	0	0.385733757383008	1	2.00E-04	NA	NA	0.0014	0
NM_001099681	MAGIX	0	0.386188096319855	1	2.00E-04	NA	NA	0.0014	0
NM_001099682	MAGIX	0	0.386188096319855	1	2.00E-04	NA	NA	0.0014	0
NM_024859	MAGIX	0	0.386188096319855	1	2.00E-04	NA	NA	0.0014	0
NM_001193389	UNKL	0	0.386188096319855	1	2.00E-04	NA	NA	0.0014	0
NM_001276414	UNKL	0	0.386188096319855	1	2.00E-04	NA	NA	0.0014	0
NM_178516	EXOC3L1	0	0.386188096319855	1	2.00E-04	NA	NA	0.0014	0
NR_036500	FOXN3-AS1	0	0.386642435256701	1	2.00E-04	NA	NA	0.0014	0
NM_002318	LOXL2	0	0.386642435256701	1	2.00E-04	NA	NA	0.0014	0
NR_002781	TSPY26P	0	0.387096774193548	1	2.00E-04	NA	NA	0.0014	0
NM_001664	RHOA	0	0.387096774193548	1	2.00E-04	NA	NA	0.0014	0
NM_003034	ST8SIA1	0	0.387551113130395	1	2.00E-04	NA	NA	0.0014	0
NM_015203	RPRD2	0	0.388005452067242	1	2.00E-04	NA	NA	0.0014	0
NM_004333	BRAF	0	0.388005452067242	1	2.00E-04	NA	NA	0.0014	0
NM_001174127	SLC11A2	0	0.388459791004089	1	2.00E-04	NA	NA	0.0014	0
NM_000617	SLC11A2	0	0.388459791004089	1	2.00E-04	NA	NA	0.0014	0
NR_033422	SLC11A2	0	0.388459791004089	1	2.00E-04	NA	NA	0.0014	0

NR_033421	<i>SLC11A2</i>	0	0.388459791004089	1	2.00E-04	NA	NA	0.0014	0
NM_001174128	<i>SLC11A2</i>	0	0.388459791004089	1	2.00E-04	NA	NA	0.0014	0
NM_001174126	<i>SLC11A2</i>	0	0.388459791004089	1	2.00E-04	NA	NA	0.0014	0
NM_201551	<i>NELL1</i>	0	0.388914129940936	1	2.00E-04	NA	NA	0.0014	0
NM_006157	<i>NELL1</i>	0	0.388914129940936	1	2.00E-04	NA	NA	0.0014	0
NM_016612	<i>SLC25A37</i>	0	0.388914129940936	1	2.00E-04	NA	NA	0.0014	0
NM_001015882	<i>DNAJC25</i>	0	0.388914129940936	1	2.00E-04	NA	NA	0.0014	0
NR_037148	<i>DNAJC25</i>	0	0.388914129940936	1	2.00E-04	NA	NA	0.0014	0
NM_004125	<i>DNAJC25-GNG10</i>	0	0.388914129940936	1	2.00E-04	NA	NA	0.0014	0
NM_001142578	<i>ZNF780A</i>	0	0.388914129940936	1	2.00E-04	NA	NA	0.0014	0
NM_001142577	<i>ZNF780A</i>	0	0.388914129940936	1	2.00E-04	NA	NA	0.0014	0
NM_001142579	<i>ZNF780A</i>	0	0.388914129940936	1	2.00E-04	NA	NA	0.0014	0
NM_020640	<i>DCUN1D1</i>	0	0.388914129940936	1	2.00E-04	NA	NA	0.0014	0
NM_001129829	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129840	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129841	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129831	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129827	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_000719	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129832	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129844	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001167625	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129830	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129843	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129842	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129834	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129838	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129837	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129833	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129846	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001167623	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129839	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001167624	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129836	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001129835	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_199460	<i>CACNA1C</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001145710	<i>FAM228B</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_001098814	<i>SRL</i>	0	0.389368468877783	1	2.00E-04	NA	NA	0.0014	0
NM_014234	<i>HSD17B8</i>	0	0.38982280781463	1	2.00E-04	NA	NA	0.0014	0
NM_018198	<i>DNAJC11</i>	0	0.390731485688323	1	2.00E-04	NA	NA	0.0014	0
NM_001195396	<i>ARL4A</i>	0	0.39118582462517	1	2.00E-04	NA	NA	0.0014	0

NM_005738	ARL4A	0	0.39118582462517	1	2.00E-04	NA	NA	0.0014	0
NM_014975	MAST1	0	0.391640163562017	1	2.00E-04	NA	NA	0.0014	0
NM_002472	MYH8	0	0.391640163562017	1	2.00E-04	NA	NA	0.0014	0
NM_178857	RP1L1	0	0.391640163562017	1	2.00E-04	NA	NA	0.0014	0
NM_015425	POLR1A	0	0.392094502498864	1	2.00E-04	NA	NA	0.0014	0
NM_001010880	ZNF780A	0	0.393003180372558	1	2.00E-04	NA	NA	0.0014	0
NM_001005339	RGS10	0	0.394366197183099	1	2.00E-04	NA	NA	0.0014	0
NM_001282879	GGTLC2	0	0.394820536119945	1	2.00E-04	NA	NA	0.0014	0
NM_020775	KIAA1324	0	0.395729213993639	1	2.00E-04	NA	NA	0.0014	0
NM_001267048	KIAA1324	0	0.395729213993639	1	2.00E-04	NA	NA	0.0014	0
NR_049773	KIAA1324	0	0.395729213993639	1	2.00E-04	NA	NA	0.0014	0
NM_001284352	KIAA1324	0	0.395729213993639	1	2.00E-04	NA	NA	0.0014	0
NM_173491	LSM11	0	0.396183552930486	1	2.00E-04	NA	NA	0.0014	0
NM_153246	C6orf223	0	0.396637891867333	1	2.00E-04	NA	NA	0.0014	0
NM_001171992	C6orf223	0	0.396637891867333	1	2.00E-04	NA	NA	0.0014	0
NM_001270615	DEDD2	0	0.396637891867333	1	2.00E-04	NA	NA	0.0014	0
NM_133328	DEDD2	0	0.396637891867333	1	2.00E-04	NA	NA	0.0014	0
NR_073050	DEDD2	0	0.396637891867333	1	2.00E-04	NA	NA	0.0014	0
NR_073049	DEDD2	0	0.396637891867333	1	2.00E-04	NA	NA	0.0014	0
NR_073048	DEDD2	0	0.396637891867333	1	2.00E-04	NA	NA	0.0014	0
NR_073046	DEDD2	0	0.396637891867333	1	2.00E-04	NA	NA	0.0014	0
NR_073052	DEDD2	0	0.396637891867333	1	2.00E-04	NA	NA	0.0014	0
NR_073051	DEDD2	0	0.396637891867333	1	2.00E-04	NA	NA	0.0014	0
NM_001040424	PRDM15	0	0.396637891867333	1	2.00E-04	NA	NA	0.0014	0
NM_001282934	PRDM15	0	0.396637891867333	1	2.00E-04	NA	NA	0.0014	0
NR_104257	PRDM15	0	0.396637891867333	1	2.00E-04	NA	NA	0.0014	0
NR_104258	PRDM15	0	0.396637891867333	1	2.00E-04	NA	NA	0.0014	0
NM_022115	PRDM15	0	0.396637891867333	1	2.00E-04	NA	NA	0.0014	0
NM_020211	RGMA	0	0.39709223080418	1	2.00E-04	NA	NA	0.0014	0
NM_021244	RRAGD	0	0.39709223080418	1	2.00E-04	NA	NA	0.0014	0
NM_025142	TAOK1	0	0.397546569741027	1	2.00E-04	NA	NA	0.0014	0
NM_020791	TAOK1	0	0.397546569741027	1	2.00E-04	NA	NA	0.0014	0
NR_039749	MIR4523	0	0.397546569741027	1	2.00E-04	NA	NA	0.0014	0
NM_022731	NUCKS1	0	0.398455247614721	1	2.00E-04	NA	NA	0.0014	0
NM_017772	TBC1D22B	0	0.398909586551567	1	2.00E-04	NA	NA	0.0014	0
NM_030791	SGPP1	0	0.399818264425261	1	2.00E-04	NA	NA	0.0014	0
NR_037873	ZHX1	0	0.399818264425261	1	2.00E-04	NA	NA	0.0014	0
NM_001080542	FBF1	0	0.401181281235802	1	2.00E-04	NA	NA	0.0014	0
NM_005529	HSPG2	0	0.401635620172649	1	2.00E-04	NA	NA	0.0014	0
NR_003370	RRN3P1	0	0.401635620172649	1	2.00E-04	NA	NA	0.0014	0
NM_020946	DENND1A	0	0.401635620172649	1	2.00E-04	NA	NA	0.0014	0



NM_024820	DENND1A	0	0.401635620172649	1	2.00E-04	NA	NA	0.0014	0
NM_020697	KCNS2	0	0.402544298046343	1	2.00E-04	NA	NA	0.0014	0
NM_003306	TRPC4	0	0.402544298046343	1	2.00E-04	NA	NA	0.0014	0
NM_016179	TRPC4	0	0.402544298046343	1	2.00E-04	NA	NA	0.0014	0
NM_001135957	TRPC4	0	0.402544298046343	1	2.00E-04	NA	NA	0.0014	0
NM_001135956	TRPC4	0	0.402544298046343	1	2.00E-04	NA	NA	0.0014	0
NM_001135958	TRPC4	0	0.402544298046343	1	2.00E-04	NA	NA	0.0014	0
NM_001135955	TRPC4	0	0.402544298046343	1	2.00E-04	NA	NA	0.0014	0
NM_001008660	PICALM	0	0.402998636983189	1	2.00E-04	NA	NA	0.0014	0
NM_001206946	PICALM	0	0.402998636983189	1	2.00E-04	NA	NA	0.0014	0
NM_007166	PICALM	0	0.402998636983189	1	2.00E-04	NA	NA	0.0014	0
NM_003486	SLC7A5	0	0.403907314856883	1	2.00E-04	NA	NA	0.0014	0
NM_002090	CXCL3	0	0.403907314856883	1	2.00E-04	NA	NA	0.0014	0
NM_020725	ATXN7L1	0	0.403907314856883	1	2.00E-04	NA	NA	0.0014	0
NM_152749	ATXN7L1	0	0.403907314856883	1	2.00E-04	NA	NA	0.0014	0
NM_005252	FOS	0	0.40436165379373	1	2.00E-04	NA	NA	0.0014	0
NR_026895	AP5M1	0	0.404815992730577	1	2.00E-04	NA	NA	0.0014	0
NM_018229	AP5M1	0	0.404815992730577	1	2.00E-04	NA	NA	0.0014	0
NM_001076778	FAM107A	0	0.404815992730577	1	2.00E-04	NA	NA	0.0014	0
NM_007177	FAM107A	0	0.404815992730577	1	2.00E-04	NA	NA	0.0014	0
NM_004316	ASCL1	0	0.405270331667424	1	2.00E-04	NA	NA	0.0014	0
NM_001282552	BTBD3	0	0.405270331667424	1	2.00E-04	NA	NA	0.0014	0
NM_181443	BTBD3	0	0.405270331667424	1	2.00E-04	NA	NA	0.0014	0
NM_018103	LRRC8D	0	0.405724670604271	1	2.00E-04	NA	NA	0.0014	0
NR_027259	RBM12B-AS1	0	0.405724670604271	1	2.00E-04	NA	NA	0.0014	0
NM_001243612	LMO3	0	0.405724670604271	1	2.00E-04	NA	NA	0.0014	0
NM_001040002	MEOX1	0	0.406179009541118	1	2.00E-04	NA	NA	0.0014	0
NM_016180	SLC45A2	0	0.406179009541118	1	2.00E-04	NA	NA	0.0014	0
NM_001012509	SLC45A2	0	0.406179009541118	1	2.00E-04	NA	NA	0.0014	0
NM_001967	EIF4A2	0	0.406633348477965	1	2.00E-04	NA	NA	0.0014	0
NM_181726	ANKRD37	0	0.406633348477965	1	2.00E-04	NA	NA	0.0014	0
NM_004231	ATP6V1F	0	0.406633348477965	1	2.00E-04	NA	NA	0.0014	0
NM_001198909	ATP6V1F	0	0.406633348477965	1	2.00E-04	NA	NA	0.0014	0
NM_024046	CAMKV	0	0.407087687414811	1	2.00E-04	NA	NA	0.0014	0
NM_145304	C7orf33	0	0.407542026351658	1	2.00E-04	NA	NA	0.0014	0
NM_174937	TCERG1L	0	0.408450704225352	1	2.00E-04	NA	NA	0.0014	0
NM_020125	SLAMF8	0	0.408905043162199	1	2.00E-04	NA	NA	0.0014	0
NM_001113324	TEN1	0	0.409359382099046	1	2.00E-04	NA	NA	0.0014	0
NR_037709	TEN1-CDK3	0	0.409359382099046	1	2.00E-04	NA	NA	0.0014	0
NM_001145030	TOPAZ1	0	0.409359382099046	1	2.00E-04	NA	NA	0.0014	0
NM_001278711	NRN1	0	0.409813721035893	1	2.00E-04	NA	NA	0.0014	0

NM_198679	RAPGEF1	0	0.409813721035893	1	2.00E-04	NA	NA	0.0014	0
NM_198515	CCDC172	0	0.41026805997274	1	2.00E-04	NA	NA	0.0014	0
NR_046648	HLTF-AS1	0	0.41026805997274	1	2.00E-04	NA	NA	0.0014	0
NM_001199037	SERINC2	0	0.41163107678328	1	2.00E-04	NA	NA	0.0014	0
NM_014690	FAM131B	0	0.41163107678328	1	2.00E-04	NA	NA	0.0014	0
NM_001198630	RUNX1T1	0	0.412539754656974	1	2.00E-04	NA	NA	0.0014	0
NM_001198634	RUNX1T1	0	0.412539754656974	1	2.00E-04	NA	NA	0.0014	0
NM_001198627	RUNX1T1	0	0.412539754656974	1	2.00E-04	NA	NA	0.0014	0
NM_001198626	RUNX1T1	0	0.412539754656974	1	2.00E-04	NA	NA	0.0014	0
NM_175635	RUNX1T1	0	0.412539754656974	1	2.00E-04	NA	NA	0.0014	0
NM_001198679	RUNX1T1	0	0.412539754656974	1	2.00E-04	NA	NA	0.0014	0
NM_001198629	RUNX1T1	0	0.412539754656974	1	2.00E-04	NA	NA	0.0014	0
NM_001198625	RUNX1T1	0	0.412539754656974	1	2.00E-04	NA	NA	0.0014	0
NM_001198632	RUNX1T1	0	0.412539754656974	1	2.00E-04	NA	NA	0.0014	0
NM_001198631	RUNX1T1	0	0.412539754656974	1	2.00E-04	NA	NA	0.0014	0
NM_004098	EMX2	0	0.412994093593821	1	2.00E-04	NA	NA	0.0014	0
NM_001165924	EMX2	0	0.412994093593821	1	2.00E-04	NA	NA	0.0014	0
NM_019056	NDUFB11	0	0.412994093593821	1	2.00E-04	NA	NA	0.0014	0
NM_001135998	NDUFB11	0	0.412994093593821	1	2.00E-04	NA	NA	0.0014	0
NR_036208	MIR4323	0	0.413902771467515	1	2.00E-04	NA	NA	0.0014	0
NM_203370	FAM212A	0	0.414357110404362	1	2.00E-04	NA	NA	0.0014	0
NM_182562	FAM169B	0	0.414357110404362	1	2.00E-04	NA	NA	0.0014	0
NM_001282972	Sep 02	0	0.414811449341209	1	2.00E-04	NA	NA	0.0014	0
NM_001008492	Sep 02	0	0.414811449341209	1	2.00E-04	NA	NA	0.0014	0
NM_001282973	Sep 02	0	0.414811449341209	1	2.00E-04	NA	NA	0.0014	0
NM_004404	Sep 02	0	0.414811449341209	1	2.00E-04	NA	NA	0.0014	0
NM_007126	VCP	0	0.414811449341209	1	2.00E-04	NA	NA	0.0014	0
NM_005727	TSPAN1	0	0.415265788278055	1	2.00E-04	NA	NA	0.0014	0
NM_020719	PRR12	0	0.415720127214902	1	2.00E-04	NA	NA	0.0014	0
NM_198689	KRTAP10-7	0	0.415720127214902	1	2.00E-04	NA	NA	0.0014	0
NM_007223	GPR176	0	0.415720127214902	1	2.00E-04	NA	NA	0.0014	0
NM_001271854	GPR176	0	0.415720127214902	1	2.00E-04	NA	NA	0.0014	0
NM_003936	CDK5R2	0	0.416174466151749	1	2.00E-04	NA	NA	0.0014	0
NR_027379	C1orf180	0.0186278964107224	0.435256701499318	1	2.00E-04	NA	NA	0.0014	0
NM_001001928	PPARA	0	0.417083144025443	1	2.00E-04	NA	NA	0.0014	0
NM_005036	PPARA	0	0.417083144025443	1	2.00E-04	NA	NA	0.0014	0
NM_014069	PSORS1C2	0	0.417083144025443	1	2.00E-04	NA	NA	0.0014	0
NM_015266	SLC9A8	0	0.417991821899137	1	2.00E-04	NA	NA	0.0014	0
NR_048540	SLC9A8	0	0.417991821899137	1	2.00E-04	NA	NA	0.0014	0
NM_001260491	SLC9A8	0	0.417991821899137	1	2.00E-04	NA	NA	0.0014	0
NR_048539	SLC9A8	0	0.417991821899137	1	2.00E-04	NA	NA	0.0014	0

NR_048538	SLC9A8	0	0.417991821899137	1	2.00E-04	NA	NA	0.0014	0
NR_048537	SLC9A8	0	0.417991821899137	1	2.00E-04	NA	NA	0.0014	0
NR_027650	C15orf40	0	0.417991821899137	1	2.00E-04	NA	NA	0.0014	0
NR_027649	C15orf40	0	0.417991821899137	1	2.00E-04	NA	NA	0.0014	0
NM_001160116	C15orf40	0	0.417991821899137	1	2.00E-04	NA	NA	0.0014	0
NM_001160115	C15orf40	0	0.417991821899137	1	2.00E-04	NA	NA	0.0014	0
NM_001160113	C15orf40	0	0.417991821899137	1	2.00E-04	NA	NA	0.0014	0
NM_001160114	C15orf40	0	0.417991821899137	1	2.00E-04	NA	NA	0.0014	0
NM_144597	C15orf40	0	0.417991821899137	1	2.00E-04	NA	NA	0.0014	0
NM_001244871	DAB2	0	0.417991821899137	1	2.00E-04	NA	NA	0.0014	0
NM_001343	DAB2	0	0.417991821899137	1	2.00E-04	NA	NA	0.0014	0
NM_144693	ZNF558	0	0.418446160835984	1	2.00E-04	NA	NA	0.0014	0
NM_001145057	IL18BP	0	0.418900499772831	1	2.00E-04	NA	NA	0.0014	0
NM_001145055	IL18BP	0	0.418900499772831	1	2.00E-04	NA	NA	0.0014	0
NM_006482	DYRK2	0	0.419809177646524	1	2.00E-04	NA	NA	0.0014	0
NM_003583	DYRK2	0	0.419809177646524	1	2.00E-04	NA	NA	0.0014	0
NM_013255	MKLN1	0	0.420717855520218	1	2.00E-04	NA	NA	0.0014	0
NM_003836	DLK1	0	0.421172194457065	1	2.00E-04	NA	NA	0.0014	0
NM_001278554	UBE2E3	0	0.421626533393912	1	2.00E-04	NA	NA	0.0014	0
NM_016531	KLF3	0	0.421626533393912	1	2.00E-04	NA	NA	0.0014	0
NM_000762	CYP2A6	0.00954111767378464	0.431167651067697	1	2.00E-04	NA	NA	0.0014	0
NR_027406	LOC100129034	0	0.422535211267606	1	2.00E-04	NA	NA	0.0014	0
NM_001130528	SPAG9	0	0.422535211267606	1	2.00E-04	NA	NA	0.0014	0
NM_003971	SPAG9	0	0.422535211267606	1	2.00E-04	NA	NA	0.0014	0
NM_001130527	SPAG9	0	0.422535211267606	1	2.00E-04	NA	NA	0.0014	0
NM_002033	FUT4	0	0.422989550204453	1	2.00E-04	NA	NA	0.0014	0
NM_206860	TACC2	0	0.424352567014993	1	2.00E-04	NA	NA	0.0014	0
NM_006997	TACC2	0	0.424352567014993	1	2.00E-04	NA	NA	0.0014	0
NM_001104	ACTN3	0	0.424352567014993	1	2.00E-04	NA	NA	0.0014	0
NR_047663	ACTN3	0	0.424352567014993	1	2.00E-04	NA	NA	0.0014	0
NM_004369	COL6A3	0	0.424352567014993	1	2.00E-04	NA	NA	0.0014	0
NM_057164	COL6A3	0	0.424352567014993	1	2.00E-04	NA	NA	0.0014	0
NM_057165	COL6A3	0	0.424352567014993	1	2.00E-04	NA	NA	0.0014	0
NM_057166	COL6A3	0	0.424352567014993	1	2.00E-04	NA	NA	0.0014	0
NM_057167	COL6A3	0	0.424352567014993	1	2.00E-04	NA	NA	0.0014	0
NM_001207026	POU2F2	0	0.42480690595184	1	2.00E-04	NA	NA	0.0014	0
NM_001207025	POU2F2	0	0.42480690595184	1	2.00E-04	NA	NA	0.0014	0
NM_002698	POU2F2	0	0.42480690595184	1	2.00E-04	NA	NA	0.0014	0
NM_001247994	POU2F2	0	0.42480690595184	1	2.00E-04	NA	NA	0.0014	0
NM_138969	SDR16C5	0	0.42480690595184	1	2.00E-04	NA	NA	0.0014	0
NM_001032384	PQBP1	0	0.425261244888687	1	2.00E-04	NA	NA	0.0014	0

NM_005710	<i>PQBP1</i>	0	0.425261244888687	1	2.00E-04	NA	NA	0.0014	0
NM_152376	<i>UBXN10</i>	0	0.425715583825534	1	2.00E-04	NA	NA	0.0014	0
NM_005985	<i>SNAI1</i>	0	0.425715583825534	1	2.00E-04	NA	NA	0.0014	0
NM_015554	<i>GLCE</i>	0	0.426169922762381	1	2.00E-04	NA	NA	0.0014	0
NR_103552	<i>C8orf49</i>	0	0.426169922762381	1	2.00E-04	NA	NA	0.0014	0
NR_034002	<i>MCF2L-AS1</i>	0	0.426169922762381	1	2.00E-04	NA	NA	0.0014	0
NM_017704	<i>ANKRD49</i>	0	0.426624261699228	1	2.00E-04	NA	NA	0.0014	0
NM_007111	<i>TFDP1</i>	0	0.426624261699228	1	2.00E-04	NA	NA	0.0014	0
NR_026580	<i>TFDP1</i>	0	0.426624261699228	1	2.00E-04	NA	NA	0.0014	0
NM_001258029	<i>GSN</i>	0	0.426624261699228	1	2.00E-04	NA	NA	0.0014	0
NM_001256214	<i>ATP1A3</i>	0	0.426624261699228	1	2.00E-04	NA	NA	0.0014	0
NM_152296	<i>ATP1A3</i>	0	0.426624261699228	1	2.00E-04	NA	NA	0.0014	0
NM_001128626	<i>SPIRE1</i>	0.0186278964107224	0.445706497046797	1	2.00E-04	NA	NA	0.0014	0
NM_020148	<i>SPIRE1</i>	0.0186278964107224	0.445706497046797	1	2.00E-04	NA	NA	0.0014	0
NM_001923	<i>DDB1</i>	0	0.427078600636075	1	2.00E-04	NA	NA	0.0014	0
NM_003139	<i>SRPR</i>	0	0.427078600636075	1	2.00E-04	NA	NA	0.0014	0
NM_001177842	<i>SRPR</i>	0	0.427078600636075	1	2.00E-04	NA	NA	0.0014	0
NM_001256213	<i>ATP1A3</i>	0	0.427078600636075	1	2.00E-04	NA	NA	0.0014	0
NM_000304	<i>PMP22</i>	0	0.427532939572921	1	2.00E-04	NA	NA	0.0014	0
NR_104017	<i>PMP22</i>	0	0.427532939572921	1	2.00E-04	NA	NA	0.0014	0
NR_104018	<i>PMP22</i>	0	0.427532939572921	1	2.00E-04	NA	NA	0.0014	0
NM_001281456	<i>PMP22</i>	0	0.427532939572921	1	2.00E-04	NA	NA	0.0014	0
NM_013442	<i>STOML2</i>	0	0.427987278509768	1	2.00E-04	NA	NA	0.0014	0
NM_015975	<i>TAF9B</i>	0	0.427987278509768	1	2.00E-04	NA	NA	0.0014	0
NM_001146	<i>ANGPT1</i>	0	0.428441617446615	1	2.00E-04	NA	NA	0.0014	0
NM_001199859	<i>ANGPT1</i>	0	0.428441617446615	1	2.00E-04	NA	NA	0.0014	0
NM_015564	<i>LRRTM2</i>	0	0.428895956383462	1	2.00E-04	NA	NA	0.0014	0
NR_027182	<i>JMJD1C-AS1</i>	0	0.429350295320309	1	2.00E-04	NA	NA	0.0014	0
NM_003899	<i>ARHGEF7</i>	0	0.429804634257156	1	2.00E-04	NA	NA	0.0014	0
NM_080645	<i>COL12A1</i>	0	0.43071331213085	1	2.00E-04	NA	NA	0.0014	0
NM_004370	<i>COL12A1</i>	0	0.43071331213085	1	2.00E-04	NA	NA	0.0014	0
NM_001171904	<i>VPRBP</i>	0	0.432530667878237	1	2.00E-04	NA	NA	0.0014	0
NM_014703	<i>VPRBP</i>	0	0.432530667878237	1	2.00E-04	NA	NA	0.0014	0
NR_002975	<i>SNORA43</i>	0	0.433893684688778	1	2.00E-04	NA	NA	0.0014	0
NM_199424	<i>WWP2</i>	0	0.434802362562472	1	2.00E-04	NA	NA	0.0014	0
NM_022575	<i>VPS16</i>	0	0.435256701499318	1	2.00E-04	NA	NA	0.0014	0
NM_080413	<i>VPS16</i>	0	0.435256701499318	1	2.00E-04	NA	NA	0.0014	0
NM_001142673	<i>ATG13</i>	0	0.435711040436165	1	2.00E-04	NA	NA	0.0014	0
NM_001205122	<i>ATG13</i>	0	0.435711040436165	1	2.00E-04	NA	NA	0.0014	0
NM_014741	<i>ATG13</i>	0	0.435711040436165	1	2.00E-04	NA	NA	0.0014	0
NM_001205121	<i>ATG13</i>	0	0.435711040436165	1	2.00E-04	NA	NA	0.0014	0

NM_001205119	<i>ATG13</i>	0	0.435711040436165	1	2.00E-04	NA	NA	0.0014	0
NM_001205120	<i>ATG13</i>	0	0.435711040436165	1	2.00E-04	NA	NA	0.0014	0
NM_015372	<i>C22orf24</i>	0	0.435711040436165	1	2.00E-04	NA	NA	0.0014	0
NM_007159	<i>SLMAP</i>	0	0.436165379373012	1	2.00E-04	NA	NA	0.0014	0
NM_004126	<i>GNG11</i>	0	0.436165379373012	1	2.00E-04	NA	NA	0.0014	0
NM_145178	<i>ATOH7</i>	0	0.437074057246706	1	2.00E-04	NA	NA	0.0014	0
NM_030919	<i>FAM83D</i>	0	0.437528396183553	1	2.00E-04	NA	NA	0.0014	0
NM_001039842	<i>OXLD1</i>	0	0.437528396183553	1	2.00E-04	NA	NA	0.0014	0
NR_033990	<i>LOC100129138</i>	0	0.43934575193094	1	2.00E-04	NA	NA	0.0014	0
NR_026825	<i>RPSAP52</i>	0	0.43934575193094	1	2.00E-04	NA	NA	0.0014	0
NM_007115	<i>TNFAIP6</i>	0	0.440254429804634	1	2.00E-04	NA	NA	0.0014	0
NM_178127	<i>ANGPTL5</i>	0	0.440254429804634	1	2.00E-04	NA	NA	0.0014	0
NM_014155	<i>ZBTB44</i>	0	0.440254429804634	1	2.00E-04	NA	NA	0.0014	0
NR_031722	<i>MIR103B2</i>	0	0.441163107678328	1	2.00E-04	NA	NA	0.0014	0
NM_001277732	<i>AOC3</i>	0	0.442071785552022	1	2.00E-04	NA	NA	0.0014	0
NM_198217	<i>ING1</i>	0	0.443889141299409	1	2.00E-04	NA	NA	0.0014	0
NM_001039783	<i>TXNRD3NB</i>	0	0.444343480236256	1	2.00E-04	NA	NA	0.0014	0
NM_001170	<i>AQP7</i>	0	0.444343480236256	1	2.00E-04	NA	NA	0.0014	0
NM_152400	<i>C4orf32</i>	0	0.444797819173103	1	2.00E-04	NA	NA	0.0014	0
NM_014932	<i>NLGN1</i>	0	0.44525215810995	1	2.00E-04	NA	NA	0.0014	0
NM_001134479	<i>LRRC8D</i>	0	0.445706497046797	1	2.00E-04	NA	NA	0.0014	0
NM_001256268	<i>MYPN</i>	0	0.447523852794184	1	2.00E-04	NA	NA	0.0014	0
NM_032578	<i>MYPN</i>	0	0.447523852794184	1	2.00E-04	NA	NA	0.0014	0
NR_045663	<i>MYPN</i>	0	0.447523852794184	1	2.00E-04	NA	NA	0.0014	0
NM_001017963	<i>HSP90AA1</i>	0	0.447523852794184	1	2.00E-04	NA	NA	0.0014	0
NR_029699	<i>MIR136</i>	0	0.447978191731031	1	2.00E-04	NA	NA	0.0014	0
NM_138448	<i>ACYP2</i>	0	0.447978191731031	1	2.00E-04	NA	NA	0.0014	0
NR_002990	<i>SNORA5B</i>	0	0.447978191731031	1	2.00E-04	NA	NA	0.0014	0
NM_014732	<i>KIAA0513</i>	0	0.448432530667878	1	2.00E-04	NA	NA	0.0014	0
NM_017855	<i>ODAM</i>	0	0.448432530667878	1	2.00E-04	NA	NA	0.0014	0
NM_014911	<i>AAK1</i>	0	0.449341208541572	1	2.00E-04	NA	NA	0.0014	0
NM_015115	<i>DCUN1D4</i>	0	0.449795547478419	1	2.00E-04	NA	NA	0.0014	0
NM_001040402	<i>DCUN1D4</i>	0	0.449795547478419	1	2.00E-04	NA	NA	0.0014	0
NM_005430	<i>WNT1</i>	0	0.450249886415266	1	2.00E-04	NA	NA	0.0014	0
NM_152603	<i>ZNF567</i>	0	0.450249886415266	1	2.00E-04	NA	NA	0.0014	0
NM_001198832	<i>PDE4DIP</i>	0	0.450249886415266	1	2.00E-04	NA	NA	0.0014	0
NM_002736	<i>PRKAR2B</i>	0	0.450704225352113	1	2.00E-04	NA	NA	0.0014	0
NM_022045	<i>MTBP</i>	0	0.450704225352113	1	2.00E-04	NA	NA	0.0014	0
NM_006504	<i>PTPRE</i>	0	0.452975920036347	1	2.00E-04	NA	NA	0.0014	0
NM_025198	<i>MTERFD3</i>	0	0.452975920036347	1	2.00E-04	NA	NA	0.0014	0
NM_001033050	<i>MTERFD3</i>	0	0.452975920036347	1	2.00E-04	NA	NA	0.0014	0

NM_001856	COL16A1	0	0.453884597910041	1	2.00E-04	NA	NA	0.0014	0
NM_014053	FLVCR1	0	0.454338936846888	1	2.00E-04	NA	NA	0.0014	0
NM_003400	XPO1	0	0.454338936846888	1	2.00E-04	NA	NA	0.0014	0
NM_178468	FAM83C	0	0.456156292594275	1	2.00E-04	NA	NA	0.0014	0
NM_144659	TCP10L	0	0.456156292594275	1	2.00E-04	NA	NA	0.0014	0
NM_001243256	ZIC4	0	0.456156292594275	1	2.00E-04	NA	NA	0.0014	0
NM_032153	ZIC4	0	0.456156292594275	1	2.00E-04	NA	NA	0.0014	0
NM_152765	C8orf46	0	0.457064970467969	1	2.00E-04	NA	NA	0.0014	0
NR_027000	LINC00965	0	0.457064970467969	1	2.00E-04	NA	NA	0.0014	0
NM_032406	PCDHGC4	0	0.457519309404816	1	2.00E-04	NA	NA	0.0014	0
NM_018928	PCDHGC4	0	0.457519309404816	1	2.00E-04	NA	NA	0.0014	0
NM_014752	SPCS2	0	0.459336665152204	1	2.00E-04	NA	NA	0.0014	0
NM_000839	GRM2	0	0.45979100408905	1	2.00E-04	NA	NA	0.0014	0
NM_001130063	GRM2	0	0.45979100408905	1	2.00E-04	NA	NA	0.0014	0
NM_001146009	SLCO5A1	0	0.45979100408905	1	2.00E-04	NA	NA	0.0014	0
NM_001111298	PPIL6	0	0.460245343025897	1	2.00E-04	NA	NA	0.0014	0
NM_173672	PPIL6	0	0.460245343025897	1	2.00E-04	NA	NA	0.0014	0
NM_001161010	ARMC10	0	0.460699681962744	1	2.00E-04	NA	NA	0.0014	0
NM_001161009	ARMC10	0	0.460699681962744	1	2.00E-04	NA	NA	0.0014	0
NM_001161013	ARMC10	0	0.460699681962744	1	2.00E-04	NA	NA	0.0014	0
NM_001161012	ARMC10	0	0.460699681962744	1	2.00E-04	NA	NA	0.0014	0
NM_001161011	ARMC10	0	0.460699681962744	1	2.00E-04	NA	NA	0.0014	0
NM_031905	ARMC10	0	0.460699681962744	1	2.00E-04	NA	NA	0.0014	0
NR_073375	MCM2	0	0.461608359836438	1	2.00E-04	NA	NA	0.0014	0
NM_004526	MCM2	0	0.461608359836438	1	2.00E-04	NA	NA	0.0014	0
NM_001010979	C1orf189	0	0.461608359836438	1	2.00E-04	NA	NA	0.0014	0
NM_138712	PPARG	0	0.462062698773285	1	2.00E-04	NA	NA	0.0014	0
NM_005037	PPARG	0	0.462062698773285	1	2.00E-04	NA	NA	0.0014	0
NM_001002261	ZFYVE27	0	0.462517037710132	1	2.00E-04	NA	NA	0.0014	0
NM_001713	BHMT	0	0.462517037710132	1	2.00E-04	NA	NA	0.0014	0
NM_004982	KCNJ8	0	0.462971376646979	1	2.00E-04	NA	NA	0.0014	0
NM_001166246	HPSE2	0	0.463425715583826	1	2.00E-04	NA	NA	0.0014	0
NM_001166245	HPSE2	0	0.463425715583826	1	2.00E-04	NA	NA	0.0014	0
NM_001166244	HPSE2	0	0.463425715583826	1	2.00E-04	NA	NA	0.0014	0
NM_021828	HPSE2	0	0.463425715583826	1	2.00E-04	NA	NA	0.0014	0
NM_025141	TM2D3	0	0.463425715583826	1	2.00E-04	NA	NA	0.0014	0
NM_078474	TM2D3	0	0.463425715583826	1	2.00E-04	NA	NA	0.0014	0
NR_002717	ATXN8OS	0	0.464334393457519	1	2.00E-04	NA	NA	0.0014	0
NM_001242476	ZNF345	0	0.464334393457519	1	2.00E-04	NA	NA	0.0014	0
NM_001242475	ZNF345	0	0.464334393457519	1	2.00E-04	NA	NA	0.0014	0
NM_022103	ZNF667	0	0.464334393457519	1	2.00E-04	NA	NA	0.0014	0

NR_030740	ZNF667	0	0.464334393457519	1	2.00E-04	NA	NA	0.0014	0
NR_038976	LOC339874	0	0.464788732394366	1	2.00E-04	NA	NA	0.0014	0
NM_020988	GNAO1	0	0.465243071331213	1	2.00E-04	NA	NA	0.0014	0
NM_138736	GNAO1	0	0.465243071331213	1	2.00E-04	NA	NA	0.0014	0
NM_002774	KLK6	0	0.465243071331213	1	2.00E-04	NA	NA	0.0014	0
NR_003551	DPY19L2P4	0	0.466606088141754	1	2.00E-04	NA	NA	0.0014	0
NM_000613	HPX	0	0.467060427078601	1	2.00E-04	NA	NA	0.0014	0
NM_002254	KIF3C	0	0.467060427078601	1	2.00E-04	NA	NA	0.0014	0
NM_018159	NUDT11	0	0.467060427078601	1	2.00E-04	NA	NA	0.0014	0
NM_001143818	SERPINB2	0	0.468423443889141	1	2.00E-04	NA	NA	0.0014	0
NM_002575	SERPINB2	0	0.468423443889141	1	2.00E-04	NA	NA	0.0014	0
NM_001242776	TMEM139	0	0.469332121762835	1	2.00E-04	NA	NA	0.0014	0
NM_001242777	TMEM139	0	0.469332121762835	1	2.00E-04	NA	NA	0.0014	0
NM_001242773	TMEM139	0	0.469332121762835	1	2.00E-04	NA	NA	0.0014	0
NM_001242774	TMEM139	0	0.469332121762835	1	2.00E-04	NA	NA	0.0014	0
NM_001242775	TMEM139	0	0.469332121762835	1	2.00E-04	NA	NA	0.0014	0
NM_001282877	TMEM139	0	0.469332121762835	1	2.00E-04	NA	NA	0.0014	0
NM_153345	TMEM139	0	0.469332121762835	1	2.00E-04	NA	NA	0.0014	0
NR_104250	TMEM139	0	0.469332121762835	1	2.00E-04	NA	NA	0.0014	0
NR_104251	TMEM139	0	0.469332121762835	1	2.00E-04	NA	NA	0.0014	0
NR_104252	TMEM139	0	0.469332121762835	1	2.00E-04	NA	NA	0.0014	0
NR_104253	TMEM139	0	0.469332121762835	1	2.00E-04	NA	NA	0.0014	0
NR_104254	TMEM139	0	0.469332121762835	1	2.00E-04	NA	NA	0.0014	0
NM_001282876	TMEM139	0	0.469332121762835	1	2.00E-04	NA	NA	0.0014	0
NR_040003	TMEM139	0	0.469332121762835	1	2.00E-04	NA	NA	0.0014	0
NM_001278	CHUK	0	0.469332121762835	1	2.00E-04	NA	NA	0.0014	0
NM_001184958	C3orf20	0	0.470240799636529	1	2.00E-04	NA	NA	0.0014	0
NM_001184957	C3orf20	0	0.470240799636529	1	2.00E-04	NA	NA	0.0014	0
NM_032137	C3orf20	0	0.470240799636529	1	2.00E-04	NA	NA	0.0014	0
NM_005760	CEBPZ	0	0.470695138573376	1	2.00E-04	NA	NA	0.0014	0
NM_001159484	NUP210L	0	0.47160381644707	1	2.00E-04	NA	NA	0.0014	0
NM_207308	NUP210L	0	0.47160381644707	1	2.00E-04	NA	NA	0.0014	0
NM_004551	NDUFS3	0	0.472512494320763	1	2.00E-04	NA	NA	0.0014	0
NM_015714	GOS2	0	0.475238527941845	1	2.00E-04	NA	NA	0.0014	0
NM_198152	UTS2B	0	0.475692866878692	1	2.00E-04	NA	NA	0.0014	0
NM_024537	CARS2	0	0.476601544752385	1	2.00E-04	NA	NA	0.0014	0
NM_025079	ZC3H12A	0	0.477055883689232	1	2.00E-04	NA	NA	0.0014	0
NM_022802	CTBP2	0	0.477510222626079	1	2.00E-04	NA	NA	0.0014	0
NM_001004451	OR1J1	0	0.477510222626079	1	2.00E-04	NA	NA	0.0014	0
NM_198837	ACACA	0	0.477964561562926	1	2.00E-04	NA	NA	0.0014	0
NM_198838	ACACA	0	0.477964561562926	1	2.00E-04	NA	NA	0.0014	0

NM_016096	ZNF706	0	0.477964561562926	1	2.00E-04	NA	NA	0.0014	0
NM_001267708	ZNF706	0	0.477964561562926	1	2.00E-04	NA	NA	0.0014	0
NM_001042510	ZNF706	0	0.477964561562926	1	2.00E-04	NA	NA	0.0014	0
NM_001144758	PHLDB1	0	0.479781917310313	1	2.00E-04	NA	NA	0.0014	0
NM_001144759	PHLDB1	0	0.479781917310313	1	2.00E-04	NA	NA	0.0014	0
NM_138375	CABLES1	0	0.479781917310313	1	2.00E-04	NA	NA	0.0014	0
NM_016076	DESI2	0	0.480690595184007	1	2.00E-04	NA	NA	0.0014	0
NM_130398	EXO1	0	0.481599273057701	1	2.00E-04	NA	NA	0.0014	0
NR_003077	SNORD99	0	0.481599273057701	1	2.00E-04	NA	NA	0.0014	0
NM_004527	MEOX1	0	0.482507950931395	1	2.00E-04	NA	NA	0.0014	0
NM_013999	MEOX1	0	0.482507950931395	1	2.00E-04	NA	NA	0.0014	0
NM_001001709	C9orf170	0	0.484325306678782	1	2.00E-04	NA	NA	0.0014	0
NM_153831	PTK2	0	0.484325306678782	1	2.00E-04	NA	NA	0.0014	0
NM_005607	PTK2	0	0.484325306678782	1	2.00E-04	NA	NA	0.0014	0
NM_001199649	PTK2	0	0.484325306678782	1	2.00E-04	NA	NA	0.0014	0
NR_015441	LOC652276	0	0.484779645615629	1	2.00E-04	NA	NA	0.0014	0
NM_001166579	AANAT	0	0.485688323489323	1	2.00E-04	NA	NA	0.0014	0
NM_052885	SLC2A13	0	0.485688323489323	1	2.00E-04	NA	NA	0.0014	0
NM_002233	KCNA4	0	0.48614266242617	1	2.00E-04	NA	NA	0.0014	0
NR_029696	MIR127	0	0.487051340299864	1	2.00E-04	NA	NA	0.0014	0
NM_001143775	CTDNBP1	0	0.488414357110404	1	2.00E-04	NA	NA	0.0014	0
NM_001267709	ZNF706	0	0.488868696047251	1	2.00E-04	NA	NA	0.0014	0
NM_015343	CTDNBP1	0	0.492503407542026	1	2.00E-04	NA	NA	0.0014	0
NM_003648	DGKD	0	0.492957746478873	1	2.00E-04	NA	NA	0.0014	0
NM_001189	NKX3-2	0	0.495229441163108	1	2.00E-04	NA	NA	0.0014	0
NM_006403	NEDD9	0	0.496138119036801	1	2.00E-04	NA	NA	0.0014	0
NM_182966	NEDD9	0	0.496138119036801	1	2.00E-04	NA	NA	0.0014	0
NM_001271033	NEDD9	0	0.496138119036801	1	2.00E-04	NA	NA	0.0014	0
NM_006749	SLC20A2	0	0.496592457973648	1	2.00E-04	NA	NA	0.0014	0
NM_016329	SFMBT1	0	0.49931849159473	1	2.00E-04	NA	NA	0.0014	0
NM_203422	LRRN4CL	0	0.499772830531577	1	2.00E-04	NA	NA	0.0014	0
NM_018140	CEP72	0	0.503861880963199	1	2.00E-04	NA	NA	0.0014	0
NR_033828	LOC100129931	0	0.504316219900045	1	2.00E-04	NA	NA	0.0014	0
NM_001042646	TRAK1	0	0.50658791458428	1	2.00E-04	NA	NA	0.0014	0
NM_001265608	TRAK1	0	0.50658791458428	1	2.00E-04	NA	NA	0.0014	0
NM_002735	PRKAR1B	0	0.507950931394821	1	2.00E-04	NA	NA	0.0014	0
NM_001164762	PRKAR1B	0	0.507950931394821	1	2.00E-04	NA	NA	0.0014	0
NM_001164761	PRKAR1B	0	0.509313948205361	1	2.00E-04	NA	NA	0.0014	0
NR_003009	SCARNA8	0	0.509768287142208	1	2.00E-04	NA	NA	0.0014	0
NM_001164530	ZNF135	0	0.511585642889596	1	2.00E-04	NA	NA	0.0014	0
NM_001164529	ZNF135	0	0.511585642889596	1	2.00E-04	NA	NA	0.0014	0



NM_001164527	ZNF135	0	0.511585642889596	1	2.00E-04	NA	NA	0.0014	0
NM_007134	ZNF135	0	0.511585642889596	1	2.00E-04	NA	NA	0.0014	0
NM_003436	ZNF135	0	0.511585642889596	1	2.00E-04	NA	NA	0.0014	0
NM_000868	HTR2C	0	0.511585642889596	1	2.00E-04	NA	NA	0.0014	0
NM_001256761	HTR2C	0	0.511585642889596	1	2.00E-04	NA	NA	0.0014	0
NM_001256760	HTR2C	0	0.511585642889596	1	2.00E-04	NA	NA	0.0014	0
NM_001199038	SERINC2	0	0.51385733757383	1	2.00E-04	NA	NA	0.0014	0
NM_001190827	FAM217B	0	0.515220354384371	1	2.00E-04	NA	NA	0.0014	0
NM_022106	FAM217B	0	0.515220354384371	1	2.00E-04	NA	NA	0.0014	0
NM_005924	MEOX2	0.093139482053612	0.609268514311677	1	2.00E-04	NA	NA	0.0014	0
NM_006357	UBE2E3	0	0.522944116310768	1	2.00E-04	NA	NA	0.0014	0
NM_001278555	UBE2E3	0	0.522944116310768	1	2.00E-04	NA	NA	0.0014	0
NM_182678	UBE2E3	0	0.522944116310768	1	2.00E-04	NA	NA	0.0014	0
NM_213649	SFXN4	0	0.523852794184462	1	2.00E-04	NA	NA	0.0014	0
NM_031908	C1QTNF2	0	0.52703316674239	1	2.00E-04	NA	NA	0.0014	0
NM_001171172	CX3CR1	0	0.530213539300318	1	2.00E-04	NA	NA	0.0014	0
NM_001715	BLK	0	0.531122217174012	1	2.00E-04	NA	NA	0.0014	0
NM_001167992	PQBP1	0	0.532485233984552	1	2.00E-04	NA	NA	0.0014	0
NM_001267572	TBC1D2	0	0.532485233984552	1	2.00E-04	NA	NA	0.0014	0
NM_019090	MAP10	0	0.533393911858246	1	2.00E-04	NA	NA	0.0014	0
NM_003162	STRN	0	0.535211267605634	1	2.00E-04	NA	NA	0.0014	0
NR_024365	PP12613	0	0.535665606542481	1	2.00E-04	NA	NA	0.0014	0
NM_000766	CYP2A13	0	0.537937301226715	1	2.00E-04	NA	NA	0.0014	0
NR_040063	SMG7-AS1	0	0.539754656974103	1	2.00E-04	NA	NA	0.0014	0
NM_147163	PSMG2	0	0.540663334847796	1	2.00E-04	NA	NA	0.0014	0
NM_001128627	SPIRE1	0	0.541117673784643	1	2.00E-04	NA	NA	0.0014	0
NM_003412	ZIC1	0	0.54157201272149	1	2.00E-04	NA	NA	0.0014	0
NM_001113493	Sep 09	0	0.543843707405725	1	2.00E-04	NA	NA	0.0014	0
NM_017813	IMPAD1	0	0.545206724216265	1	2.00E-04	NA	NA	0.0014	0
NM_001619	ADRBK1	0	0.546115402089959	1	2.00E-04	NA	NA	0.0014	0
NM_080913	ASGR2	0	0.546569741026806	1	2.00E-04	NA	NA	0.0014	0
NM_001181	ASGR2	0	0.546569741026806	1	2.00E-04	NA	NA	0.0014	0
NM_001201352	ASGR2	0	0.546569741026806	1	2.00E-04	NA	NA	0.0014	0
NM_080912	ASGR2	0	0.546569741026806	1	2.00E-04	NA	NA	0.0014	0
NM_017655	GIPC2	0	0.547024079963653	1	2.00E-04	NA	NA	0.0014	0
NR_030173	MIR432	0	0.5474784189005	1	2.00E-04	NA	NA	0.0014	0
NM_152744	SDK1	0	0.5474784189005	1	2.00E-04	NA	NA	0.0014	0
NM_005325	HIST1H1A	0	0.5474784189005	1	2.00E-04	NA	NA	0.0014	0
NM_014789	ZNF623	0	0.548387096774194	1	2.00E-04	NA	NA	0.0014	0
NM_001258371	ACTN3	0	0.549750113584734	1	2.00E-04	NA	NA	0.0014	0
NM_001271685	SLC35A3	0	0.550204452521581	1	2.00E-04	NA	NA	0.0014	0

NM_001428	ENO1	0	0.553839164016356	1	2.00E-04	NA	NA	0.0014	0
NM_013286	RBM15B	0	0.555202180826897	1	2.00E-04	NA	NA	0.0014	0
NM_145244	DDIT4L	0	0.557473875511131	1	2.00E-04	NA	NA	0.0014	0
NM_001282987	DHRS4	0	0.561562925942753	1	2.00E-04	NA	NA	0.0014	0
NM_001282988	DHRS4	0	0.561562925942753	1	2.00E-04	NA	NA	0.0014	0
NM_021004	DHRS4	0	0.561562925942753	1	2.00E-04	NA	NA	0.0014	0
NM_001282989	DHRS4	0	0.561562925942753	1	2.00E-04	NA	NA	0.0014	0
NM_001282990	DHRS4	0	0.561562925942753	1	2.00E-04	NA	NA	0.0014	0
NM_001282991	DHRS4	0	0.561562925942753	1	2.00E-04	NA	NA	0.0014	0
NM_001278297	FAM131B	0	0.562925942753294	1	2.00E-04	NA	NA	0.0014	0
NM_001031690	FAM131B	0	0.562925942753294	1	2.00E-04	NA	NA	0.0014	0
NM_001097622	OCM	0	0.565197637437528	1	2.00E-04	NA	NA	0.0014	0
NM_001136215	ARTN	0	0.566106315311222	1	2.00E-04	NA	NA	0.0014	0
NM_057091	ARTN	0	0.566106315311222	1	2.00E-04	NA	NA	0.0014	0
NM_057090	ARTN	0	0.566106315311222	1	2.00E-04	NA	NA	0.0014	0
NM_006155	Sep 02	0	0.567014993184916	1	2.00E-04	NA	NA	0.0014	0
NM_001008491	Sep 02	0	0.567014993184916	1	2.00E-04	NA	NA	0.0014	0
NM_003707	RUVBL1	0	0.568832348932303	1	2.00E-04	NA	NA	0.0014	0
NM_003341	UBE2E1	0	0.572467060427079	1	2.00E-04	NA	NA	0.0014	0
NM_182666	UBE2E1	0	0.572467060427079	1	2.00E-04	NA	NA	0.0014	0
NR_024347	LINC00304	0	0.576101771921854	1	2.00E-04	NA	NA	0.0014	0
NM_001278512	AP3B2	0	0.577010449795547	1	2.00E-04	NA	NA	0.0014	0
NM_004644	AP3B2	0	0.577010449795547	1	2.00E-04	NA	NA	0.0014	0
NM_001278511	AP3B2	0	0.577010449795547	1	2.00E-04	NA	NA	0.0014	0
NM_001014279	ANXA2R	0	0.582916855974557	1	2.00E-04	NA	NA	0.0014	0
NM_001001577	PDE9A	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001573	PDE9A	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001569	PDE9A	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_002606	PDE9A	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001582	PDE9A	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001571	PDE9A	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001572	PDE9A	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001579	PDE9A	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001570	PDE9A	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001576	PDE9A	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001580	PDE9A	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001585	PDE9A	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001584	PDE9A	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001583	PDE9A	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001581	PDE9A	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001578	PDE9A	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0

NM_001001575	<i>PDE9A</i>	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001574	<i>PDE9A</i>	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001568	<i>PDE9A</i>	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_001001567	<i>PDE9A</i>	0	0.583825533848251	1	2.00E-04	NA	NA	0.0014	0
NM_031231	<i>NECAB3</i>	0	0.585188550658791	1	2.00E-04	NA	NA	0.0014	0
NM_031232	<i>NECAB3</i>	0	0.585188550658791	1	2.00E-04	NA	NA	0.0014	0
NR_015447	<i>LOC153684</i>	0	0.587914584279873	1	2.00E-04	NA	NA	0.0014	0
NM_004415	<i>DSP</i>	0	0.587914584279873	1	2.00E-04	NA	NA	0.0014	0
NM_001008844	<i>DSP</i>	0	0.587914584279873	1	2.00E-04	NA	NA	0.0014	0
NM_173800	<i>AQPEP</i>	0	0.58973194002726	1	2.00E-04	NA	NA	0.0014	0
NM_003529	<i>HIST1H3A</i>	0	0.58973194002726	1	2.00E-04	NA	NA	0.0014	0
NR_026973	<i>HLA-F-AS1</i>	0	0.592912312585189	1	2.00E-04	NA	NA	0.0014	0
NR_026972	<i>HLA-F-AS1</i>	0	0.592912312585189	1	2.00E-04	NA	NA	0.0014	0
NM_152284	<i>CHMP4C</i>	0	0.597001363016811	1	2.00E-04	NA	NA	0.0014	0
NR_033377	<i>LINC00898</i>	0	0.599273057701045	1	2.00E-04	NA	NA	0.0014	0
NM_005160	<i>ADRBK2</i>	0	0.607905497501136	1	2.00E-04	NA	NA	0.0014	0
NR_003687	<i>SNORD19B</i>	0	0.608359836437983	1	2.00E-04	NA	NA	0.0014	0
NM_001204197	<i>NBEA</i>	0	0.612448886869605	1	2.00E-04	NA	NA	0.0014	0
NM_015995	<i>KLF13</i>	0	0.625624716038164	1	2.00E-04	NA	NA	0.0014	0
NM_032638	<i>GATA2</i>	0	0.627896410722399	1	2.00E-04	NA	NA	0.0014	0
NM_032326	<i>TMEM175</i>	0	0.634257155838255	1	2.00E-04	NA	NA	0.0014	0
NR_002189	<i>SUMO1P1</i>	0	0.639709223080418	1	2.00E-04	NA	NA	0.0014	0
NM_001105513	<i>TTC21A</i>	0	0.648796001817356	1	2.00E-04	NA	NA	0.0014	0
NM_145755	<i>TTC21A</i>	0	0.648796001817356	1	2.00E-04	NA	NA	0.0014	0
NM_001271318	<i>ZNF512</i>	0	0.679236710586097	1	2.00E-04	NA	NA	0.0014	0
NM_032434	<i>ZNF512</i>	0	0.679236710586097	1	2.00E-04	NA	NA	0.0014	0
NM_001271288	<i>ZNF512</i>	0	0.679236710586097	1	2.00E-04	NA	NA	0.0014	0
NM_001271287	<i>ZNF512</i>	0	0.679236710586097	1	2.00E-04	NA	NA	0.0014	0
NM_001271289	<i>ZNF512</i>	0	0.679236710586097	1	2.00E-04	NA	NA	0.0014	0
NM_001271286	<i>ZNF512</i>	0	0.679236710586097	1	2.00E-04	NA	NA	0.0014	0
NM_153268	<i>PLCXD2</i>	0	0.679691049522944	1	2.00E-04	NA	NA	0.0014	0
NM_001185106	<i>PLCXD2</i>	0	0.679691049522944	1	2.00E-04	NA	NA	0.0014	0
NM_001190918	<i>THRA</i>	0	0.683325761017719	1	2.00E-04	NA	NA	0.0014	0
NM_003250	<i>THRA</i>	0	0.683325761017719	1	2.00E-04	NA	NA	0.0014	0
NM_199334	<i>THRA</i>	0	0.683325761017719	1	2.00E-04	NA	NA	0.0014	0
NM_001190919	<i>THRA</i>	0	0.688323489323035	1	2.00E-04	NA	NA	0.0014	0
NM_030810	<i>TXNDC5</i>	0	0.692412539754657	1	2.00E-04	NA	NA	0.0014	0
NM_001345	<i>DGKA</i>	0	0.696047251249432	1	2.00E-04	NA	NA	0.0014	0
NM_004503	<i>HOXC6</i>	0	0.722398909586552	1	2.00E-04	NA	NA	0.0014	0
NM_002250	<i>KCNN4</i>	0	0.791004089050432	1	2.00E-04	NA	NA	0.0014	0
NR_027439	<i>LOC100272216</i>	0	0.851431167651068	1	2.00E-04	NA	NA	0.0014	0

Table S1: Methylation data showing differential methylated transcripts between SAT and OVAT in lean/overweight subjects expressed by a ratio of hyper- and hypo-methylation per promoter. fdr/FDR= false discovery rate.

Supplementary Table 2

**Methylation in obese SAT vs. OVAT**

Transcript	GeneName	obese_in_sc	obese_in_vis	p_value_in_sc	p_value_in_vis	fdr_in_sc	Fdr_in_sc	fdr_in_vis	Fdr_in_vis
NM_020808	<i>SIPA1L2</i>	1	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001584	<i>MPPED2</i>	1	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_103466	<i>NBPF13P</i>	0.989095865515675	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000220	<i>KCNJ1</i>	0.948205361199455	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004719	<i>OR4M2</i>	0.933666515220354	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004009	<i>DMD</i>	0.917310313493866	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004010	<i>DMD</i>	0.917310313493866	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_029609	<i>MIR10B</i>	0.902317128577919	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_130897	<i>DYNLRB2</i>	0.884143571104044	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005495	<i>OR2T3</i>	0.879600181735575	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001135091	<i>MUC15</i>	0.872330758746025	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001135092	<i>MUC15</i>	0.872330758746025	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_145650	<i>MUC15</i>	0.872330758746025	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_033738	<i>LOC440300</i>	0.868696047251249	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001195260	<i>PDE4DIP</i>	0.859609268514312	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001261399	<i>PRB4</i>	0.849159472966833	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002723	<i>PRB4</i>	0.849159472966833	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_032681	<i>TRIM51</i>	0.826442526124489	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001281429	<i>PCED1B</i>	0.820536119945479	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_138371	<i>PCED1B</i>	0.820536119945479	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001037331	<i>SMIM21</i>	0.801908223534757	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001110213	<i>PRH2</i>	0.791004089050432	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005042	<i>PRH2</i>	0.791004089050432	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_080387	<i>CLEC4D</i>	0.783280327124035	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_172060	<i>EYA1</i>	0.761926397092231	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_172058	<i>EYA1</i>	0.761926397092231	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_172059	<i>EYA1</i>	0.761926397092231	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001098538	<i>PRR4</i>	0.74602453430259	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_007244	<i>PRR4</i>	0.74602453430259	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_130438	<i>DYRK1A</i>	0.723761926397092	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001396	<i>DYRK1A</i>	0.723761926397092	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004697	<i>OR2T5</i>	0.721944570649705	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_014621	<i>HOXD4</i>	0.721035892776011	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_030661	<i>HOXA3</i>	0.71830985915493	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000390	<i>CHM</i>	0.710586097228532	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001145414	<i>CHM</i>	0.710586097228532	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006614	<i>CHL1</i>	0.706951385733757	0	2.00E-04	1	9.00E-04	0	NA	NA

NM_001253387	CHL1	0.706951385733757	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004690	OR2M5	0.700136301681054	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_039789	MIR4646	0.692866878691504	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006032	CPNE6	0.686506133575647	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_045125	HIST1H2APS1	0.681508405270332	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_031891	CDH20	0.669241253975466	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_181676	PPP2R2B	0.666515220354384	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_181674	PPP2R2B	0.666515220354384	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_058206	SPAG11B	0.656065424806906	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_058207	SPAG11B	0.656065424806906	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001006939	LRRC18	0.649250340754203	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001080415	U2SURP	0.646524307133121	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_028067	OR4N3P	0.644706951385734	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_145892	RBFOX1	0.643343934575193	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_145891	RBFOX1	0.643343934575193	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_145893	RBFOX1	0.643343934575193	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_033225	CSMD1	0.642435256701499	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002054	GCG	0.639709223080418	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001172517	SATB2	0.63652885052249	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001172501	SLC6A2	0.635165833711949	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001277348	LOC100996485	0.624716038164471	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001159644	MCTP2	0.619718309859155	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001207006	IL21	0.611540208995911	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_021803	IL21	0.611540208995911	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_016945	TAS2R16	0.610631531122217	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004694	OR2T29	0.609268514311677	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_023921	TAS2R10	0.606088141753748	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_021005	NR2F2	0.603362108132667	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002148	HOXD10	0.598364379827351	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_153038	CCDC140	0.598364379827351	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_058248	DNASE2B	0.597001363016811	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001001961	OR13C3	0.597001363016811	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001025077	CELF2	0.596547024079964	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001167924	CMSS1	0.591094956837801	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004490	OR2AG2	0.585642889595638	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_172003	CBWD2	0.577010449795547	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_172311	STON1-GTF2A1L	0.575647432985007	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_022444	SLC13A1	0.573375738300772	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_046228	ANKRD20A12P	0.572012721490232	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_024297	PHF23	0.570649704679691	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001284517	PHF23	0.570649704679691	0	2.00E-04	1	9.00E-04	0	NA	NA

NM_023013	PRAMEF1	0.565197637437528	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001242916	ZFAND6	0.562925942753294	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001242915	ZFAND6	0.562925942753294	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_172020	POM121	0.562925942753294	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_021240	DMRT3	0.557019536574284	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_139175	RNF133	0.556110858700591	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004616	TSPAN8	0.555202180826897	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001144775	ELAVL4	0.55474784189005	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_018371	CSGALNACT1	0.553839164016356	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_015350	LRRRC8B	0.552021808268969	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_102743	NR2F2-AS1	0.552021808268969	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_102744	NR2F2-AS1	0.552021808268969	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001137548	FAM25C	0.549295774647887	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001137549	FAM25G	0.549295774647887	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001243514	ESRRG	0.5474784189005	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001127711	TMEM14B	0.546569741026806	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_030969	TMEM14B	0.546569741026806	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001099431	CLEC1B	0.546569741026806	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_016509	CLEC1B	0.546569741026806	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004759	OR51T1	0.546115402089959	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_021952	ELAVL4	0.545206724216265	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001144774	ELAVL4	0.545206724216265	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004052	OR52B2	0.543843707405725	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_024128	OR3A4P	0.543389368468878	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_147180	PPP3R2	0.543389368468878	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_003921	PMCHL1	0.542480690595184	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_175884	CCDC71L	0.54157201272149	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004934	CDH18	0.54020899591095	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001167667	CDH18	0.54020899591095	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001043	SLC6A2	0.538845979100409	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_020977	ANK2	0.538845979100409	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001148	ANK2	0.538845979100409	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_207316	TMEM207	0.538391640163562	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_176813	AGR3	0.538391640163562	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_052939	FCRL3	0.535665606542481	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_020990	CKMT1B	0.532030895047706	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005189	OR6Y1	0.531576556110859	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001017418	SPRR2B	0.530213539300318	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001164345	ZBTB20	0.530213539300318	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001164344	ZBTB20	0.530213539300318	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001446	FABP7	0.529759200363471	0	2.00E-04	1	9.00E-04	0	NA	NA

NM_207422	FLJ44635	0.525670149931849	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001001919	OR13C4	0.525670149931849	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_198451	FOXR2	0.522944116310768	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_199354	PRB1	0.522489777373921	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_199353	PRB1	0.522489777373921	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005039	PRB1	0.522489777373921	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003551	NME5	0.521581099500227	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001001658	OR9A2	0.52112676056338	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_002718	TDGF1P3	0.519309404815993	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_103775	LOC100505984	0.518855065879146	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001145672	SORBS2	0.518400726942299	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_103711	PAPPA-AS1	0.516129032258065	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_024206	LINC00152	0.514766015447524	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_024205	LINC00152	0.514766015447524	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_024204	LINC00152	0.514766015447524	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_031413	CECR2	0.514311676510677	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006557	DMRT2	0.51385733757383	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_024873	TNIP3	0.512039981826443	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004904	CREB5	0.511131303952749	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001130865	DMRT2	0.510222626079055	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001164404	GOLGA6C	0.507042253521127	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001114978	TP63	0.506133575647433	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003722	TP63	0.506133575647433	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001114979	TP63	0.506133575647433	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_002601	FMO6P	0.504770558836892	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001243722	TP53TG3D	0.504770558836892	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_037889	LOC285626	0.504770558836892	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001018116	MURC	0.503407542026352	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_152284	CHMP4C	0.502498864152658	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006248	PRB2	0.497955474784189	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001207016	PTPRR	0.496592457973648	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001278495	NUTM2B	0.578373466606088	0.0826896865061336	2.00E-04	1	9.00E-04	0	NA	NA
NM_014011	SOCS5	0.493866424352567	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001243392	SLC6A13	0.493866424352567	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001190997	SLC6A13	0.493866424352567	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_016615	SLC6A13	0.493866424352567	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001040704	DEFB106B	0.493866424352567	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_152251	DEFB106A	0.493866424352567	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_040085	TRG-AS1	0.492957746478873	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005325	OR6M1	0.491594729668333	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001253829	PTPDC1	0.491140390731486	0	2.00E-04	1	9.00E-04	0	NA	NA



NM_152422	<i>PTPDC1</i>	0.491140390731486	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000084	<i>CLCN5</i>	0.489777373920945	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005213	<i>CSTA</i>	0.488414357110404	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001199380	<i>RNF145</i>	0.487960018173557	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001199383	<i>RNF145</i>	0.487960018173557	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_016039	<i>C14orf166</i>	0.487051340299864	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005324	<i>OR10V1</i>	0.486597001363017	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005480	<i>OR2A2</i>	0.483416628805089	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001282163	<i>CLCN5</i>	0.483416628805089	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001143820	<i>ETS1</i>	0.482507950931395	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001024661	<i>PRAMEF13</i>	0.481599273057701	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_027245	<i>LINC00305</i>	0.481144934120854	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001008693	<i>CST9</i>	0.481144934120854	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001426	<i>EN1</i>	0.480690595184007	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_015549	<i>PLEKHG3</i>	0.48023625624716	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001200001	<i>NOTCH2</i>	0.479781917310313	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_024408	<i>NOTCH2</i>	0.479781917310313	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001001916	<i>NOTCH2</i>	0.479781917310313	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001001916	<i>NOTCH2</i>	0.479781917310313	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_025221	<i>KCNIP4</i>	0.477964561562926	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_024040	<i>CSGALNACT1</i>	0.477964561562926	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_014879	<i>P2RY14</i>	0.477510222626079	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003571	<i>BFSP2</i>	0.477055883689232	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_015886	<i>PI15</i>	0.477055883689232	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006898	<i>HOXD3</i>	0.476601544752385	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_012450	<i>SLC13A4</i>	0.475692866878692	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001258370	<i>DIAPH3</i>	0.474329850068151	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_030932	<i>DIAPH3</i>	0.474329850068151	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001143988	<i>NBPF6</i>	0.47296683325761	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001143987	<i>NBPF6</i>	0.47296683325761	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001244710	<i>GFPT1</i>	0.47296683325761	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002056	<i>GFPT1</i>	0.47296683325761	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_038321	<i>OR51B5</i>	0.472058155383916	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005567	<i>OR51B5</i>	0.472058155383916	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001243429	<i>ERG</i>	0.472058155383916	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_198514	<i>NHLRC2</i>	0.47160381644707	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002422	<i>MMP3</i>	0.47160381644707	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001099752	<i>SYBU</i>	0.470695138573376	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001099751	<i>SYBU</i>	0.470695138573376	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002372	<i>MAN2A1</i>	0.470240799636529	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001135995	<i>ATXN3L</i>	0.470240799636529	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_012390	<i>SMR3A</i>	0.468423443889141	0	2.00E-04	1	9.00E-04	0	NA	NA

NM_175057	TAAR9	0.468423443889141	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004615	TSPAN7	0.467969104952294	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_198992	SYT10	0.467969104952294	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_018976	SLC38A2	0.467514766015448	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_032263	IQCG	0.467514766015448	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001105522	TRIM49D2P	0.466151749204907	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_015374	LOC401463	0.466151749204907	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004006	DMD	0.466151749204907	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004474	OR10S1	0.462517037710132	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_026806	FLJ13224	0.462062698773285	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_030650	KIAA1715	0.461154020899591	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005224	OR4F3	0.460699681962744	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005221	OR4F29	0.460699681962744	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005277	OR4F16	0.460699681962744	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001135113	IGFL2	0.459336665152204	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_198541	IGFL1	0.459336665152204	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_198392	TCF21	0.457064970467969	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003206	TCF21	0.456610631531122	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_181621	KRTAP13-2	0.455247614720582	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001280558	CPNE6	0.454793275783735	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004967	IBSP	0.453884597910041	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001135940	MYOT	0.4525215810995	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006790	MYOT	0.4525215810995	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_073596	ATP8B4	0.452067242162653	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_024837	ATP8B4	0.452067242162653	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_073597	ATP8B4	0.452067242162653	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_104136	MANEA-AS1	0.451612903225806	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_047502	MANEA-AS1	0.451612903225806	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001271752	MAGEB5	0.450704225352113	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004702	OR4C3	0.450249886415266	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003241	TGM4	0.449795547478419	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_023311	ZNF137P	0.448886869604725	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004457	OR1N2	0.448886869604725	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_028511	TAAR3	0.447523852794184	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001172504	SLC6A2	0.446160835983644	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006919	SERPINB3	0.446160835983644	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_030904	OR2T1	0.44525215810995	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_021013	KRT34	0.444797819173103	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006242	PPP1R3D	0.444343480236256	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001142541	SLC35B3	0.491140390731486	0.0472512494320763	2.00E-04	1	9.00E-04	0	NA	NA
NM_001142540	SLC35B3	0.491140390731486	0.0472512494320763	2.00E-04	1	9.00E-04	0	NA	NA

NM_015948	<i>SLC35B3</i>	0.491140390731486	0.0472512494320763	2.00E-04	1	9.00E-04	0	NA	NA
NM_001042610	<i>DBNDD1</i>	0.443889141299409	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005651	<i>TDO2</i>	0.442980463425716	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002083	<i>GPX2</i>	0.442980463425716	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_046321	<i>GPX2</i>	0.442980463425716	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_046320	<i>GPX2</i>	0.442980463425716	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000689	<i>ALDH1A1</i>	0.442071785552022	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005169	<i>OR52I1</i>	0.441617446615175	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005390	<i>PDHA2</i>	0.441617446615175	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001162951	<i>SYTL2</i>	0.440708768741481	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001162953	<i>SYTL2</i>	0.440708768741481	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001159694	<i>EMCN</i>	0.440708768741481	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_016242	<i>EMCN</i>	0.440708768741481	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_030164	<i>MIR489</i>	0.440708768741481	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001270616	<i>PROX1</i>	0.439800090867787	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001164507	<i>NEB</i>	0.439800090867787	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001271208	<i>NEB</i>	0.439800090867787	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001164508	<i>NEB</i>	0.439800090867787	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004543	<i>NEB</i>	0.439800090867787	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_033942	<i>ARHGEF34P</i>	0.43934575193094	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006250	<i>PRH1</i>	0.438891412994094	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_015025	<i>MYT1L</i>	0.438891412994094	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004459	<i>OR1S2</i>	0.4379827351204	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000586	<i>IL2</i>	0.4379827351204	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_018122	<i>DARS2</i>	0.465243071331213	0.028169014084507	2.00E-04	1	9.00E-04	0	NA	NA
NM_004063	<i>CDH17</i>	0.437074057246706	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_026591	<i>RAD1</i>	0.436165379373012	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002853	<i>RAD1</i>	0.436165379373012	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001001674	<i>OR4F15</i>	0.435711040436165	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001170792	<i>RMDN2</i>	0.435711040436165	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_054104	<i>OR6C3</i>	0.434802362562472	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001001413	<i>GOLGA6L1</i>	0.434802362562472	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_152291	<i>MUC7</i>	0.433893684688778	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_032933	<i>TMEM241</i>	0.433893684688778	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005562	<i>LAMC2</i>	0.433439345751931	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_018891	<i>LAMC2</i>	0.433439345751931	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_020345	<i>NKIRAS1</i>	0.433439345751931	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001198944	<i>DTNA</i>	0.432530667878237	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001198942	<i>DTNA</i>	0.432530667878237	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_032980	<i>DTNA</i>	0.432530667878237	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_032981	<i>DTNA</i>	0.432530667878237	0	2.00E-04	1	9.00E-04	0	NA	NA

NM_001170553	<i>VSIG1</i>	0.447523852794184	0.0159018627896411	2.00E-04	1	9.00E-04	0	NA	NA
NM_182607	<i>VSIG1</i>	0.447523852794184	0.0159018627896411	2.00E-04	1	9.00E-04	0	NA	NA
NM_001253846	<i>GMDS</i>	0.431167651067697	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_007035	<i>KERA</i>	0.429350295320309	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_015548	<i>DST</i>	0.428895956383462	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001723	<i>DST</i>	0.428895956383462	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_206933	<i>USH2A</i>	0.427987278509768	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_007123	<i>USH2A</i>	0.427987278509768	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001256080	<i>KLK2</i>	0.427532939572921	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005551	<i>KLK2</i>	0.427532939572921	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_045763	<i>KLK2</i>	0.427532939572921	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_045762	<i>KLK2</i>	0.427532939572921	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001002231	<i>KLK2</i>	0.427532939572921	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001007242	<i>GP2</i>	0.427078600636075	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001502	<i>GP2</i>	0.427078600636075	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001007241	<i>GP2</i>	0.427078600636075	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001007240	<i>GP2</i>	0.427078600636075	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004781	<i>VAMP3</i>	0.426624261699228	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001145155	<i>NR2F2</i>	0.425261244888687	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001172626	<i>AMPD1</i>	0.42480690595184	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000036	<i>AMPD1</i>	0.42480690595184	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004570	<i>PIK3C2G</i>	0.423898228078146	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_002309	<i>RPS26P11</i>	0.423898228078146	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_018932	<i>PCDHB12</i>	0.422989550204453	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001278253	<i>PIP5K1B</i>	0.422080872330759	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003558	<i>PIP5K1B</i>	0.422080872330759	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001257160	<i>CEP41</i>	0.422080872330759	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001257159	<i>CEP41</i>	0.422080872330759	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001257158	<i>CEP41</i>	0.422080872330759	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_046443	<i>CEP41</i>	0.422080872330759	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_018718	<i>CEP41</i>	0.422080872330759	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_021255	<i>PELI2</i>	0.421172194457065	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001001827	<i>OR2T35</i>	0.421172194457065	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_002323	<i>TUG1</i>	0.420717855520218	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002548	<i>OR1D2</i>	0.420263516583371	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_181504	<i>PIK3R1</i>	0.537482962289868	0.117673784643344	2.00E-04	1	9.00E-04	0	NA	NA
NM_052971	<i>LEAP2</i>	0.419809177646524	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_022053	<i>NXF2</i>	0.419809177646524	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001257168	<i>ELK1</i>	0.419809177646524	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005229	<i>ELK1</i>	0.419809177646524	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001114123	<i>ELK1</i>	0.419809177646524	0	2.00E-04	1	9.00E-04	0	NA	NA

NM_006748	SLA	0.416174466151749	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001242871	SLAIN1	0.414357110404362	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001242870	SLAIN1	0.414357110404362	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001242869	SLAIN1	0.414357110404362	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_144595	SLAIN1	0.414357110404362	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004458	OR1S1	0.481144934120854	0.0667878237164925	2.00E-04	1	9.00E-04	0	NA	NA
NR_026543	C21orf88	0.413448432530668	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_026542	C21orf88	0.413448432530668	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_024540	MRPL24	0.412539754656974	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_145729	MRPL24	0.412539754656974	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_198682	GYPE	0.412539754656974	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002102	GYPE	0.412539754656974	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_015351	TTC9	0.41163107678328	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001197220	PDE4D	0.41163107678328	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_133484	TANK	0.411176737846433	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004180	TANK	0.411176737846433	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_026663	GLIS3-AS1	0.411176737846433	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_045127	RAET1E-AS1	0.408905043162199	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004136	OR2T2	0.408450704225352	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_181429	TAS2R42	0.407996365288505	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001284338	NEDD4	0.407087687414811	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001284340	NEDD4	0.407087687414811	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_198400	NEDD4	0.407087687414811	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_104302	NEDD4	0.407087687414811	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001284339	NEDD4	0.407087687414811	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_030289	MIR563	0.406633348477965	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_145910	NEK11	0.406179009541118	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001146003	NEK11	0.406179009541118	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_024800	NEK11	0.406179009541118	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_027038	MBNL1-AS1	0.405270331667424	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_027037	MBNL1-AS1	0.405270331667424	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001163334	SYTL5	0.404815992730577	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001001966	OR14A16	0.404815992730577	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_033061	KRTAP4-7	0.40436165379373	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_173355	UPP2	0.40436165379373	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_144718	SPICE1	0.40436165379373	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_047518	HOTAIR	0.403907314856883	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002086	GRB2	0.403907314856883	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_203506	GRB2	0.403907314856883	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_019617	GKN1	0.403452975920036	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006408	AGR2	0.402089959109496	0	2.00E-04	1	9.00E-04	0	NA	NA

NM_006911	<i>RLN1</i>	0.401635620172649	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001197287	<i>OR11H2</i>	0.401181281235802	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001142417	<i>CRISP2</i>	0.400726942298955	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001142408	<i>CRISP2</i>	0.400726942298955	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001142407	<i>CRISP2</i>	0.400726942298955	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003296	<i>CRISP2</i>	0.400726942298955	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001261822	<i>CRISP2</i>	0.400726942298955	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001142435	<i>CRISP2</i>	0.400726942298955	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_138574	<i>HDGFL1</i>	0.400272603362108	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001040703	<i>DEFB105B</i>	0.399818264425261	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_152250	<i>DEFB105A</i>	0.399818264425261	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001711	<i>BGN</i>	0.399818264425261	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004657	<i>SDPR</i>	0.399363925488414	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003826	<i>NAPG</i>	0.398455247614721	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001122757	<i>POU1F1</i>	0.398000908677874	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000306	<i>POU1F1</i>	0.398000908677874	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001001875	<i>TPD52L3</i>	0.397546569741027	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001001874	<i>TPD52L3</i>	0.397546569741027	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_033516	<i>TPD52L3</i>	0.397546569741027	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001131066	<i>RFESD</i>	0.396637891867333	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001144966	<i>NEDD4L</i>	0.395729213993639	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_053039	<i>UGT2B28</i>	0.394820536119945	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001207004	<i>UGT2B28</i>	0.394820536119945	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006567	<i>FARS2</i>	0.394820536119945	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_176885	<i>TAS2R31</i>	0.394366197183099	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_134260	<i>RORA</i>	0.394366197183099	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002943	<i>RORA</i>	0.394366197183099	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001205259	<i>TP53TG3C</i>	0.393457519309405	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001205260	<i>TP53TG3C</i>	0.393457519309405	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001099687	<i>TP53TG3B</i>	0.393457519309405	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_016212	<i>TP53TG3</i>	0.393457519309405	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001205265	<i>TP53TG3B</i>	0.393457519309405	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001267813	<i>TP53TG3</i>	0.393457519309405	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_171829	<i>KCNMB3</i>	0.393457519309405	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_028135	<i>KCNMB3</i>	0.393457519309405	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003309	<i>TSPYL1</i>	0.393457519309405	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000074	<i>CD40LG</i>	0.392548841435711	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_178007	<i>STARD13</i>	0.392548841435711	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001243466	<i>STARD13</i>	0.392548841435711	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_139202	<i>MLC1</i>	0.392548841435711	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005213	<i>OR9G1</i>	0.392094502498864	0	2.00E-04	1	9.00E-04	0	NA	NA

NM_001013358	OR9G9	0.392094502498864	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_012353	OR1C1	0.392094502498864	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001145671	SORBS2	0.472512494320763	0.080872330758746	2.00E-04	1	9.00E-04	0	NA	NA
NM_032041	NCALD	0.39118582462517	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001282551	BTBD3	0.473421172194457	0.0826896865061336	2.00E-04	1	9.00E-04	0	NA	NA
NM_001282554	BTBD3	0.473421172194457	0.0826896865061336	2.00E-04	1	9.00E-04	0	NA	NA
NM_014962	BTBD3	0.473421172194457	0.0826896865061336	2.00E-04	1	9.00E-04	0	NA	NA
NR_002925	FMO9P	0.390731485688323	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_024659	GTDC1	0.390731485688323	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000522	HOXA13	0.390731485688323	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_002940	LRR37A4P	0.390277146751477	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_181872	DMRT2	0.389368468877783	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_198827	GPR133	0.388914129940936	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_052947	ALPK2	0.388914129940936	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002427	MMP13	0.388459791004089	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_027153	RPL21P44	0.388459791004089	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_182836	RABGGTA	0.388005452067242	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004581	RABGGTA	0.388005452067242	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_020864	NYAP2	0.387551113130395	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001160174	NAT1	0.387551113130395	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_012475	USP21	0.387096774193548	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001014443	USP21	0.387096774193548	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006204	PDE6C	0.387096774193548	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001257967	CCDC129	0.387096774193548	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001821	CHML	0.385733757383008	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_046113	FLJ16171	0.385279418446161	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001008397	GPX8	0.499772830531577	0.114947751022263	2.00E-04	1	9.00E-04	0	NA	NA
NM_005669	REEP5	0.384825079509314	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002175	IFNA21	0.384825079509314	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000288	PEX7	0.384370740572467	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001257998	CCDC132	0.384370740572467	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_017667	CCDC132	0.384370740572467	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_024553	CCDC132	0.384370740572467	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_012130	CLDN14	0.384370740572467	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001256576	ENC1	0.384370740572467	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001256575	ENC1	0.384370740572467	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001256574	ENC1	0.384370740572467	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_046318	ENC1	0.384370740572467	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003633	ENC1	0.384370740572467	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001184749	SLITRK4	0.512494320763289	0.128123580190822	2.00E-04	1	9.00E-04	0	NA	NA
NM_001276503	SDHD	0.38391640163562	0	2.00E-04	1	9.00E-04	0	NA	NA

NM_001276506	SDHD	0.38391640163562	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003002	SDHD	0.38391640163562	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001276504	SDHD	0.38391640163562	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_077060	SDHD	0.38391640163562	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_145234	CHRD1	0.38391640163562	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001143983	CHRD1	0.38391640163562	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001143982	CHRD1	0.38391640163562	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001143981	CHRD1	0.38391640163562	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001031679	MSRB3	0.383462062698773	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001193461	MSRB3	0.383462062698773	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001193460	MSRB3	0.383462062698773	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_198080	MSRB3	0.383462062698773	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001102450	RGS8	0.383462062698773	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_033345	RGS8	0.383462062698773	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_181077	GOLGA8A	0.383462062698773	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001031809	MS4A3	0.383007723761926	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006138	MS4A3	0.383007723761926	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001031666	MS4A3	0.383007723761926	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001114937	SH2D1A	0.383007723761926	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002351	SH2D1A	0.383007723761926	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_007281	SCRG1	0.383007723761926	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001002035	DEFB108B	0.38255338482508	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006359	SLC9A6	0.382099045888233	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001177651	SLC9A6	0.382099045888233	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001042537	SLC9A6	0.382099045888233	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_133503	DCN	0.382099045888233	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_003267	GGT3P	0.382099045888233	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_017409	HOXC10	0.453430258973194	0.0713312130849614	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005240	OR4F17	0.381644706951386	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004727	SLC24A1	0.381190368014539	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_145174	DNAJB7	0.381190368014539	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004454	OR1L8	0.381190368014539	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006040	HS3ST4	0.380281690140845	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_144949	SOCS5	0.380281690140845	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001145007	MUC7	0.379373012267151	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001012732	DCTD	0.379373012267151	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001921	DCTD	0.379373012267151	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001160004	NRG1	0.378918673330304	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001160002	NRG1	0.378918673330304	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001160008	NRG1	0.378918673330304	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_013956	NRG1	0.378918673330304	0	2.00E-04	1	9.00E-04	0	NA	NA



NM_001160007	NRG1	0.378918673330304	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001160005	NRG1	0.378918673330304	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_013964	NRG1	0.378918673330304	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004495	NRG1	0.378918673330304	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_013960	NRG1	0.378918673330304	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_013958	NRG1	0.378918673330304	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_013957	NRG1	0.378918673330304	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_198859	PRICKLE2	0.378918673330304	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004056	CA8	0.378464334393458	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003856	IL1RL1	0.378009995456611	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_104167	IL1RL1	0.378009995456611	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001127615	ENOX1	0.378009995456611	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005202	OR8K3	0.377555656519764	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004330	PLEKHG7	0.37664697864607	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_021572	ENPP5	0.37664697864607	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001141917	FAM205A	0.376192639709223	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005164	OR52E2	0.375283961835529	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002001	FCER1A	0.374829622898682	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001007527	LMBRD2	0.374829622898682	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_014689	DOCK10	0.374375283961836	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001134665	TRMT10A	0.374375283961836	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001134666	TRMT10A	0.374375283961836	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_033049	MUC13	0.373920945024989	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_138806	CD200R1	0.373012267151295	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_138940	CD200R1	0.373012267151295	0	4.00E-04	1	0.0012	0	NA	NA
NM_138939	CD200R1	0.373012267151295	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_170780	CD200R1	0.373012267151295	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_023014	PRAMEF2	0.371649250340754	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001040033	CD53	0.371649250340754	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_003339	SNORD116-25	0.371649250340754	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_016448	DTL	0.371194911403907	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001201	BMP3	0.371194911403907	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005912	MC4R	0.371194911403907	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_181789	GLDN	0.369831894593367	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_003716	HOTAIR	0.369831894593367	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_130846	PTPRR	0.427987278509768	0.0581553839164016	2.00E-04	1	9.00E-04	0	NA	NA
NR_073474	PTPRR	0.427987278509768	0.0581553839164016	2.00E-04	1	9.00E-04	0	NA	NA
NM_152539	C3orf30	0.36937755565652	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003284	TNP1	0.36937755565652	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_029374	LEF1-AS1	0.368923216719673	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_029429	PGCP1	0.368923216719673	0	2.00E-04	1	9.00E-04	0	NA	NA

NR_028374	SNORA80B	0.368014538845979	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_001435	HLA-DPB2	0.367560199909132	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_080671	KCNE4	0.367105860972285	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_080282	ABCA10	0.366651522035438	0	4.00E-04	1	0.0012	0	NA	NA
NM_198511	LANCL3	0.366197183098592	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001170331	LANCL3	0.366197183098592	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001145026	PTPRQ	0.365742844161745	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_018349	MCTP2	0.365742844161745	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001159643	MCTP2	0.365742844161745	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001037442	RUFY3	0.365742844161745	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_014961	RUFY3	0.365742844161745	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_152453	TMCO5A	0.364834166288051	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004246	GLP2R	0.364834166288051	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_181873	MTMR11	0.364379827351204	0	4.00E-04	1	0.0012	0	NA	NA
NM_001145862	MTMR11	0.364379827351204	0	6.00E-04	1	0.0038	0	NA	NA
NM_000325	PITX2	0.363925488414357	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_051994	DIAPH3-AS1	0.36347114947751	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002302	LECT2	0.36347114947751	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_022351	NECAB1	0.363016810540663	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001127454	DFNA5	0.362562471603816	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001127453	DFNA5	0.362562471603816	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004403	DFNA5	0.362562471603816	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_051993	DIAPH3-AS1	0.36210813266697	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001195261	PDE4DIP	0.392548841435711	0.0304407087687415	2.00E-04	1	9.00E-04	0	NA	NA
NM_002625	PFKFB1	0.361653793730123	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_073450	PFKFB1	0.361653793730123	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001271804	PFKFB1	0.361653793730123	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006187	OAS3	0.361199454793276	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_153699	GSTA5	0.360745115856429	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001001995	GPM6B	0.360290776919582	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005278	GPM6B	0.360290776919582	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001001996	GPM6B	0.360290776919582	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005832	KCNMB2	0.359382099045888	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001278911	KCNMB2	0.359382099045888	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003132	SRM	0.358927760109041	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_051997	ZNF33BP1	0.358927760109041	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001184892	FLAD1	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_201398	FLAD1	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_025207	FLAD1	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001184891	FLAD1	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_138800	TRIM43	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA

NM_133437	TTN	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001267550	TTN	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001256850	TTN	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_133432	TTN	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003319	TTN	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_133378	TTN	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_133379	TTN	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_020411	XAGE1D	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001097592	XAGE1A	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001097597	XAGE1C	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001097594	XAGE1B	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001097605	XAGE1E	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001097596	XAGE1B	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001097604	XAGE1E	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001097593	XAGE1A	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_133430	XAGE1D	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001097598	XAGE1C	0.358473421172194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001099747	SYBU	0.357564743298501	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_017786	SYBU	0.357564743298501	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001099748	SYBU	0.357564743298501	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001099750	SYBU	0.357564743298501	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001099749	SYBU	0.357564743298501	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001099435	SPDYE5	0.357110404361654	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004272	HOMER1	0.357110404361654	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001277077	HOMER1	0.357110404361654	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001277078	HOMER1	0.357110404361654	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_031275	TEX12	0.355747387551113	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_207468	FAM177B	0.380736029077692	0.0254429804634257	2.00E-04	1	9.00E-04	0	NA	NA
NM_018935	PCDHB15	0.355293048614266	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_153206	AMICA1	0.355293048614266	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001165978	PROM2	0.354838709677419	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001165977	PROM2	0.354838709677419	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_144707	PROM2	0.354838709677419	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_207296	MBNL1	0.354838709677419	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_207295	MBNL1	0.354838709677419	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_207294	MBNL1	0.354838709677419	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_207293	MBNL1	0.354838709677419	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_207297	MBNL1	0.354838709677419	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_033256	XAGE1D	0.354838709677419	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_033254	XAGE1B	0.354838709677419	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_033253	XAGE1A	0.354838709677419	0	2.00E-04	1	9.00E-04	0	NA	NA

NR_033251	XAGE1C	0.354838709677419	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_033257	XAGE1E	0.354838709677419	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_023348	GAS8	0.353930031803726	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001481	GAS8	0.353930031803726	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_172160	KCNAB1	0.353930031803726	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001002923	IGFL4	0.353475692866879	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_033909	ECRP	0.353021353930032	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_205850	SLC24A5	0.353021353930032	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_014175	MRPL15	0.353021353930032	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_198474	OLFML1	0.352112676056338	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001204178	CHODL	0.352112676056338	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001204177	CHODL	0.352112676056338	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001204176	CHODL	0.352112676056338	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001204175	CHODL	0.352112676056338	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_024123	PBX3	0.351203998182644	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006195	PBX3	0.351203998182644	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_024122	PBX3	0.351203998182644	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002268	KPNA4	0.351203998182644	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001270765	CHST15	0.350749659245797	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001270764	CHST15	0.350749659245797	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_003506	PLGLA	0.35029532030895	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_173362	RFESD	0.35029532030895	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001131065	RFESD	0.35029532030895	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001139444	TRAPPC3L	0.35029532030895	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005170	OR52I2	0.349840981372104	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001202	BMP4	0.349840981372104	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_130850	BMP4	0.349840981372104	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004106	FCER1G	0.349386642435257	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_026553	LINC00161	0.349386642435257	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_026552	LINC00161	0.349386642435257	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_198185	OVCH2	0.349386642435257	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_138804	M1AP	0.349386642435257	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001281296	M1AP	0.349386642435257	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001281295	M1AP	0.349386642435257	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_018652	GOLGA6B	0.34893230349841	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_033045	KRT84	0.34893230349841	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_022728	NEUROD6	0.34893230349841	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004688	OR2M2	0.348477964561563	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_198074	OR2C3	0.348477964561563	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001199868	GLRX3	0.348023625624716	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006541	GLRX3	0.348023625624716	0	2.00E-04	1	9.00E-04	0	NA	NA

NM_182489	STRA8	0.348023625624716	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003262	SEC62	0.347569286687869	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_024066	ERI3	0.347569286687869	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_176884	TAS2R43	0.347569286687869	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_024503	HIVEP3	0.347114947751022	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001127714	HIVEP3	0.347114947751022	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_038260	HIVEP3	0.347114947751022	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_017807	OSGEP	0.346660608814175	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_038371	FLJ45974	0.346206269877328	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001105069	ACSM2B	0.345751930940482	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_182617	ACSM2B	0.345751930940482	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_032160	DSEL	0.345751930940482	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005272	GNAT2	0.345297592003635	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005130	FGFBP1	0.344388914129941	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001085375	C1orf226	0.343934575193094	0	4.00E-04	0.9996	0.0012	0	NA	NA
NM_000324	RHAG	0.343934575193094	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_031907	USP26	0.3430258973194	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_198485	TPRG1	0.342571558382553	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000245	MET	0.342571558382553	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001127500	MET	0.342571558382553	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_015233	MTUS2	0.34166288050886	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004452	OR1J4	0.34166288050886	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_022757	CCDC14	0.34166288050886	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004705	OR4D10	0.368923216719673	0.0272603362108133	2.00E-04	1	9.00E-04	0	NA	NA
NM_016267	VGLL1	0.341208541572013	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002313	ABLIM1	0.341208541572013	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001115156	GDI2	0.340754202635166	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001494	GDI2	0.340754202635166	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004743	OR5M9	0.340299863698319	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001199189	CCNH	0.340299863698319	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001239	CCNH	0.340299863698319	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_198273	LYSMD3	0.340299863698319	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001198834	PDE4DIP	0.392548841435711	0.052703316674239	2.00E-04	1	9.00E-04	0	NA	NA
NM_014644	PDE4DIP	0.392548841435711	0.052703316674239	2.00E-04	1	9.00E-04	0	NA	NA
NM_001002812	PDE4DIP	0.392548841435711	0.052703316674239	2.00E-04	1	9.00E-04	0	NA	NA
NM_001002810	PDE4DIP	0.392548841435711	0.052703316674239	2.00E-04	1	9.00E-04	0	NA	NA
NM_002905	RDH5	0.339391185824625	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001199771	RDH5	0.339391185824625	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_052851	STARD13	0.338482507950931	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001243474	STARD13	0.338482507950931	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002704	PPBP	0.338482507950931	0	2.00E-04	1	9.00E-04	0	NA	NA

NM_021146	ANGPTL7	0.337119491140391	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_003945	GVINP1	0.337119491140391	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006923	SDF2	0.337119491140391	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_045585	SDF2	0.337119491140391	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001172814	SLC30A8	0.336665152203544	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_173851	SLC30A8	0.336665152203544	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001010977	METTL21C	0.336665152203544	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004695	OR2T33	0.336210813266697	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005420	SULT1E1	0.336210813266697	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001032284	TMPO	0.33575647432985	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001032283	TMPO	0.33575647432985	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003276	TMPO	0.33575647432985	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_033089	ZCCHC3	0.33575647432985	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_152292	TRMT10A	0.33575647432985	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_015393	PARM1	0.335302135393003	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_080874	ASB5	0.335302135393003	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_002442	SNORD18B	0.334847796456156	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_021973	HAND2	0.334847796456156	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005863	NET1	0.334393457519309	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_073040	NET1	0.334393457519309	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001256570	RXRG	0.334393457519309	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006917	RXRG	0.334393457519309	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_033824	RXRG	0.334393457519309	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_104162	LOC283045	0.334393457519309	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001206947	PICALM	0.334393457519309	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001013628	DCAF12L2	0.334393457519309	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004701	OR4C16	0.333939118582463	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006121	KRT1	0.333939118582463	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_032583	ABCC11	0.333939118582463	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_145186	ABCC11	0.333939118582463	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001102562	MARCH11	0.333939118582463	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001073	UGT2B11	0.333030440708769	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001204070	ANKS1B	0.332576101771922	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001204069	ANKS1B	0.332576101771922	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001204068	ANKS1B	0.332576101771922	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_181670	ANKS1B	0.332576101771922	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001204066	ANKS1B	0.332576101771922	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_020140	ANKS1B	0.332576101771922	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006868	RAB31	0.332121762835075	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_016048	ISOC1	0.332121762835075	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002563	P2RY1	0.331667423898228	0	2.00E-04	1	9.00E-04	0	NA	NA

NM_001030019	SUN3	0.331667423898228	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_152782	SUN3	0.331667423898228	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001284350	SUN3	0.331667423898228	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_038828	EFCAB14-AS1	0.331213084961381	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_038827	EFCAB14-AS1	0.331213084961381	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001002907	OR8K1	0.331213084961381	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006608	PHTF1	0.331213084961381	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001143829	CCDC68	0.330758746024534	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001010912	C10orf120	0.330304407087687	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003270	TSPAN6	0.330304407087687	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001278743	TSPAN6	0.330304407087687	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001278742	TSPAN6	0.330304407087687	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001278741	TSPAN6	0.330304407087687	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001135865	NPIPB5	0.329850068150841	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_014213	HOXD9	0.43071331213085	0.100863243980009	2.00E-04	1	9.00E-04	0	NA	NA
NM_001193306	FPR1	0.329850068150841	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002029	FPR1	0.329850068150841	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_020905	RDH14	0.329850068150841	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000870	HTR4	0.329850068150841	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001098526	AMICA1	0.329395729213994	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001190214	PPIP5K1	0.329395729213994	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001130858	PPIP5K1	0.329395729213994	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001130859	PPIP5K1	0.329395729213994	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001009894	C12orf29	0.3284870513403	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_145811	CACNG5	0.3284870513403	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006773	DDX18	0.3284870513403	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_015400	LINC00879	0.3284870513403	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_033670	CCNB3	0.3284870513403	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_033031	CCNB3	0.3284870513403	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_018833	TAP2	0.346660608814175	0.0181735574738755	2.00E-04	1	9.00E-04	0	NA	NA
NM_000544	TAP2	0.346660608814175	0.0181735574738755	2.00E-04	1	9.00E-04	0	NA	NA
NM_153840	GPR110	0.327578373466606	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_025048	GPR110	0.327578373466606	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001007102	L3MBTL3	0.327124034529759	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_032438	L3MBTL3	0.327124034529759	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_031962	KRTAP9-3	0.326669695592912	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_018342	TMEM144	0.326669695592912	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_199290	NACA2	0.326669695592912	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001130518	CSGALNACT1	0.326669695592912	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_018436	ALLC	0.325761017719219	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003092	SNRNP2	0.325761017719219	0	2.00E-04	1	9.00E-04	0	NA	NA

NM_198220	<i>SNRPB2</i>	0.325761017719219	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005188	<i>OR6X1</i>	0.325761017719219	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001127505	<i>ASAH1</i>	0.325761017719219	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004315	<i>ASAH1</i>	0.325761017719219	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_170737	<i>KCNJ15</i>	0.324398000908678	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_002555	<i>LOC613037</i>	0.323943661971831	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001102559	<i>PPAPDC1B</i>	0.323943661971831	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001102560	<i>PPAPDC1B</i>	0.323943661971831	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_032483	<i>PPAPDC1B</i>	0.323943661971831	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001164646	<i>SFTPA1</i>	0.323489323034984	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001164645	<i>SFTPA1</i>	0.323489323034984	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001164644	<i>SFTPA1</i>	0.323489323034984	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001093770	<i>SFTPA1</i>	0.323489323034984	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001164647	<i>SFTPA1</i>	0.323489323034984	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005411	<i>SFTPA1</i>	0.323489323034984	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_144997	<i>FLCN</i>	0.323489323034984	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_144606	<i>FLCN</i>	0.323489323034984	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_016512	<i>SPAG11B</i>	0.323489323034984	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_058203	<i>SPAG11B</i>	0.323489323034984	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_058201	<i>SPAG11B</i>	0.323489323034984	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_058202	<i>SPAG11B</i>	0.323489323034984	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_058200	<i>SPAG11B</i>	0.323489323034984	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000625	<i>NOS2</i>	0.323034984098137	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_176876	<i>P2RY12</i>	0.323034984098137	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004757	<i>OR51Q1</i>	0.359382099045888	0.0368014538845979	2.00E-04	1	9.00E-04	0	NA	NA
NM_001105572	<i>PLA2G2C</i>	0.322126306224443	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001159353	<i>REG4</i>	0.322126306224443	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001159352	<i>REG4</i>	0.322126306224443	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_032044	<i>REG4</i>	0.322126306224443	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001197223	<i>PDE4D</i>	0.322126306224443	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001267594	<i>SENP1</i>	0.321671967287597	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_028102	<i>THUMPD2</i>	0.321671967287597	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_025264	<i>THUMPD2</i>	0.321671967287597	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_206996	<i>SPAG17</i>	0.32121762835075	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004298	<i>C10orf90</i>	0.32121762835075	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002072	<i>GNAQ</i>	0.32121762835075	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001123387	<i>KRTAP2-1</i>	0.320763289413903	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001040084	<i>ANXA8</i>	0.320308950477056	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001271703	<i>ANXA8</i>	0.320308950477056	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001271702	<i>ANXA8</i>	0.320308950477056	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_130436	<i>DYRK1A</i>	0.361653793730123	0.0417991821899137	2.00E-04	1	9.00E-04	0	NA	NA



NM_001029997	ZNF181	0.319854611540209	0	0.0244	0.9804	0.1614	0.0017	NA	NA
NM_001145665	ZNF181	0.319854611540209	0	0.0232	0.9774	0.1614	0.0016	NA	NA
NM_001098494	ZNF419	0.319854611540209	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001098496	ZNF419	0.319854611540209	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001098495	ZNF419	0.319854611540209	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001098491	ZNF419	0.319854611540209	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001098493	ZNF419	0.319854611540209	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001098492	ZNF419	0.319854611540209	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_024691	ZNF419	0.319854611540209	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001146726	TIMD4	0.319854611540209	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_138379	TIMD4	0.319854611540209	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_012192	TIMM10B	0.349386642435257	0.0299863698318946	2.00E-04	1	9.00E-04	0	NA	NA
NM_021233	DNASE2B	0.319400272603362	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_170662	CBLB	0.319400272603362	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_002440	SNORD16	0.318945933666515	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_016570	ERGIC2	0.318037255792821	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_006205	PDE6H	0.317582916855975	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004361	CDH7	0.317582916855975	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_033646	CDH7	0.317582916855975	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005282	OR5M8	0.317582916855975	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001828	CLC	0.317582916855975	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001031723	DNAJB14	0.317582916855975	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001278310	DNAJB14	0.317582916855975	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001278311	DNAJB14	0.317582916855975	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001159495	BANF2	0.317128577919128	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001038640	GOLGA6A	0.317128577919128	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_014487	ZNF330	0.316674238982281	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001113561	RNF180	0.316674238982281	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_178532	RNF180	0.316674238982281	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_031430	RILP	0.316674238982281	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_022368	PJA1	0.316674238982281	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001032396	PJA1	0.316674238982281	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_145119	PJA1	0.316674238982281	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002449	MSX2	0.316219900045434	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005593	MYF5	0.336665152203544	0.0208995910949568	2.00E-04	1	9.00E-04	0	NA	NA
NM_022896	LPIN3	0.315765561108587	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_024870	PREX2	0.314402544298046	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_025170	PREX2	0.314402544298046	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004960	FUS	0.313948205361199	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001170937	FUS	0.313948205361199	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001170634	FUS	0.313948205361199	0	2.00E-04	1	9.00E-04	0	NA	NA

NR_028388	FUS	0.313948205361199	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003221	TFAP2B	0.313948205361199	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001270585	IQCA1	0.313948205361199	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_030959	OR12D3	0.313948205361199	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001243266	MS4A4A	0.313493866424353	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_148975	MS4A4A	0.313493866424353	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_024021	MS4A4A	0.313493866424353	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001256030	CD48	0.313493866424353	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001778	CD48	0.313493866424353	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001206741	HSD11B1	0.312585188550659	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_181755	HSD11B1	0.312585188550659	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001122634	CPS1	0.312585188550659	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004528	MGST3	0.312130849613812	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001198943	DTNA	0.312130849613812	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005140	CNGA2	0.312130849613812	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_023039	ANKRA2	0.312130849613812	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001005326	OR4F6	0.311676510676965	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001040143	SCN2A	0.311676510676965	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_029663	MIR15B	0.415720127214902	0.104043616537937	2.00E-04	1	9.00E-04	0	NA	NA
NR_029525	MIR16-2	0.415720127214902	0.104043616537937	2.00E-04	1	9.00E-04	0	NA	NA
NM_001130834	LDB2	0.311676510676965	0	4.00E-04	1	0.0012	0	NA	NA
NM_001290	LDB2	0.311676510676965	0	2.00E-04	0.9998	9.00E-04	0	NA	NA
NM_001166281	MUSK	0.311222171740118	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001166280	MUSK	0.311222171740118	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005592	MUSK	0.311222171740118	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005454	CER1	0.311222171740118	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_014832	TBC1D4	0.310767832803271	0	4.00E-04	1	0.0012	0	NA	NA
NM_001278224	FGGY	0.310313493866424	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002581	PAPPA	0.310313493866424	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001142483	NREP	0.309859154929577	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_003901	SGPL1	0.309404815992731	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004267	CHST2	0.309404815992731	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004885	NPFFR2	0.309404815992731	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001242648	PHACTR1	0.309404815992731	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_030948	PHACTR1	0.309404815992731	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002995	XCL1	0.308950477055884	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000346	SOX9	0.308950477055884	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004665	VNN2	0.308496138119037	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000290	PGAM2	0.307587460245343	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001080463	DYNC2H1	0.307133121308496	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001377	DYNC2H1	0.307133121308496	0	2.00E-04	1	9.00E-04	0	NA	NA

NR_026575	GK3P	0.307133121308496	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001001343	FNDC9	0.307133121308496	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_002930	PTPRVP	0.306678782371649	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001254	CDC6	0.306678782371649	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_022484	TMEM168	0.306678782371649	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001004744	OR5R1	0.306224443434802	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_014482	BMP10	0.306224443434802	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001145659	CTAGE9	0.306224443434802	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001015001	CKMT1A	0.305315765561109	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_012190	ALDH1L1	0.304861426624262	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001270364	ALDH1L1	0.304861426624262	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001270365	ALDH1L1	0.304861426624262	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_072979	ALDH1L1	0.304861426624262	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000231	SGCG	0.304407087687415	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_013266	CTNNA3	0.304407087687415	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001199742	GADD45A	0.303498409813721	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001199741	GADD45A	0.303498409813721	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001924	GADD45A	0.303498409813721	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_002604	SNORD10	0.303498409813721	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000891	KCNJ2	0.303044070876874	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_019602	BTNL2	0.303044070876874	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_053036	NPFFR2	0.30213539300318	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001144756	NPFFR2	0.30213539300318	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_002769	PRSS1	0.30213539300318	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_033809	CYP3A5	0.30213539300318	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_033808	CYP3A5	0.30213539300318	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_033807	CYP3A5	0.30213539300318	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_000777	CYP3A5	0.30213539300318	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_001190484	CYP3A5	0.30213539300318	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_033811	CYP3A5	0.30213539300318	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_033810	CYP3A5	0.30213539300318	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_033812	CYP3A5	0.30213539300318	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_004662	DNAH9	0.301681054066333	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_028119	LOC100133957	0.300318037255793	0	2.00E-04	1	9.00E-04	0	NA	NA
NR_027444	LOC100133957	0.300318037255793	0	2.00E-04	1	9.00E-04	0	NA	NA
NM_005486	TOM1L1	0	0.300318037255793	1	2.00E-04	NA	NA	6.00E-04	0
NR_073589	SLC1A6	0	0.300318037255793	1	2.00E-04	NA	NA	6.00E-04	0
NM_014247	RAPGEF2	0.0463425715583826	0.347114947751022	1	2.00E-04	NA	NA	6.00E-04	0
NM_004819	SYMPK	0	0.30077237619264	1	2.00E-04	NA	NA	6.00E-04	0
NM_147184	TP53I3	0	0.30077237619264	1	2.00E-04	NA	NA	6.00E-04	0
NM_004881	TP53I3	0	0.30077237619264	1	2.00E-04	NA	NA	6.00E-04	0

NM_020395	<i>INTS12</i>	0	0.30077237619264	1	2.00E-04	NA	NA	6.00E-04	0
NM_001142471	<i>INTS12</i>	0	0.30077237619264	1	2.00E-04	NA	NA	6.00E-04	0
NM_024107	<i>TMUB2</i>	0	0.301226715129487	1	0.0018	NA	NA	0.0141	1.00E-04
NM_001076674	<i>TMUB2</i>	0	0.301226715129487	1	6.00E-04	NA	NA	0.0029	0
NM_177441	<i>TMUB2</i>	0	0.301226715129487	1	0.0018	NA	NA	0.0141	1.00E-04
NM_001243975	<i>PPP3CC</i>	0	0.301226715129487	1	2.00E-04	NA	NA	6.00E-04	0
NM_001243974	<i>PPP3CC</i>	0	0.301226715129487	1	2.00E-04	NA	NA	6.00E-04	0
NM_005605	<i>PPP3CC</i>	0	0.301226715129487	1	2.00E-04	NA	NA	6.00E-04	0
NM_030640	<i>DUSP16</i>	0	0.301226715129487	1	2.00E-04	NA	NA	6.00E-04	0
NM_182575	<i>IZUMO1</i>	0	0.301226715129487	1	2.00E-04	NA	NA	6.00E-04	0
NR_047549	<i>SLC25A12</i>	0	0.301226715129487	1	6.00E-04	NA	NA	0.0029	0
NM_003705	<i>SLC25A12</i>	0	0.301226715129487	1	4.00E-04	NA	NA	0.001	0
NR_038273	<i>LINC00933</i>	0	0.301681054066333	1	2.00E-04	NA	NA	6.00E-04	0
NM_173482	<i>CCDC105</i>	0	0.301681054066333	1	2.00E-04	NA	NA	6.00E-04	0
NM_001199583	<i>PACSN1</i>	0	0.301681054066333	1	2.00E-04	NA	NA	6.00E-04	0
NM_152587	<i>C11orf65</i>	0	0.301681054066333	1	2.00E-04	NA	NA	6.00E-04	0
NM_001256214	<i>ATP1A3</i>	0	0.301681054066333	1	2.00E-04	NA	NA	6.00E-04	0
NM_152296	<i>ATP1A3</i>	0	0.301681054066333	1	2.00E-04	NA	NA	6.00E-04	0
NM_000491	<i>C1QB</i>	0	0.30213539300318	1	2.00E-04	NA	NA	6.00E-04	0
NM_016553	<i>NUP62</i>	0	0.30213539300318	1	2.00E-04	NA	NA	6.00E-04	0
NM_012346	<i>NUP62</i>	0	0.30213539300318	1	2.00E-04	NA	NA	6.00E-04	0
NM_153719	<i>NUP62</i>	0	0.30213539300318	1	2.00E-04	NA	NA	6.00E-04	0
NM_001193357	<i>NUP62</i>	0	0.30213539300318	1	2.00E-04	NA	NA	6.00E-04	0
NM_172374	<i>IL4I1</i>	0	0.30213539300318	1	2.00E-04	NA	NA	6.00E-04	0
NM_001258018	<i>IL4I1</i>	0	0.30213539300318	1	4.00E-04	NA	NA	0.001	0
NM_001258017	<i>IL4I1</i>	0	0.30213539300318	1	2.00E-04	NA	NA	6.00E-04	0
NM_153718	<i>NUP62</i>	0	0.30213539300318	1	2.00E-04	NA	NA	6.00E-04	0
NR_047577	<i>IL4I1</i>	0	0.30213539300318	1	2.00E-04	NA	NA	6.00E-04	0
NM_006168	<i>NKX6-1</i>	0	0.30213539300318	1	2.00E-04	NA	NA	6.00E-04	0
NR_024388	<i>NCBP2-AS2</i>	0	0.302589731940027	1	2.00E-04	NA	NA	6.00E-04	0
NM_001008391	<i>CCDC73</i>	0	0.302589731940027	1	2.00E-04	NA	NA	6.00E-04	0
NM_153448	<i>ESX1</i>	0.0431621990004543	0.345751930940482	1	2.00E-04	NA	NA	6.00E-04	0
NM_153046	<i>TDRD9</i>	0	0.303044070876874	1	2.00E-04	NA	NA	6.00E-04	0
NM_145061	<i>SKA3</i>	0	0.303498409813721	1	2.00E-04	NA	NA	6.00E-04	0
NM_001166017	<i>SKA3</i>	0	0.303498409813721	1	2.00E-04	NA	NA	6.00E-04	0
NM_001185010	<i>RNF4</i>	0	0.303952748750568	1	2.00E-04	NA	NA	6.00E-04	0
NM_002938	<i>RNF4</i>	0	0.303952748750568	1	2.00E-04	NA	NA	6.00E-04	0
NM_001185009	<i>RNF4</i>	0	0.303952748750568	1	2.00E-04	NA	NA	6.00E-04	0
NM_014706	<i>SART3</i>	0	0.303952748750568	1	2.00E-04	NA	NA	6.00E-04	0
NM_001130099	<i>KIFC3</i>	0	0.303952748750568	1	2.00E-04	NA	NA	6.00E-04	0
NM_020770	<i>CGN</i>	0	0.304407087687415	1	2.00E-04	NA	NA	6.00E-04	0

NM_001039479	AREL1	0	0.304407087687415	1	2.00E-04	NA	NA	6.00E-04	0
NM_004155	SERPINB9	0	0.304407087687415	1	2.00E-04	NA	NA	6.00E-04	0
NR_024120	DBIL5P	0	0.304861426624262	1	2.00E-04	NA	NA	6.00E-04	0
NR_026962	TTC28-AS1	0	0.304861426624262	1	2.00E-04	NA	NA	6.00E-04	0
NR_026963	TTC28-AS1	0	0.304861426624262	1	2.00E-04	NA	NA	6.00E-04	0
NM_145305	SLC25A43	0	0.304861426624262	1	2.00E-04	NA	NA	6.00E-04	0
NM_014801	PCNXL2	0	0.304861426624262	1	2.00E-04	NA	NA	6.00E-04	0
NM_206824	VKORC1	0	0.304861426624262	1	2.00E-04	NA	NA	6.00E-04	0
NM_024006	VKORC1	0	0.304861426624262	1	2.00E-04	NA	NA	6.00E-04	0
NR_030766	GUSBP10	0	0.304861426624262	1	6.00E-04	NA	NA	0.0029	0
NM_020196	XAB2	0	0.305315765561109	1	2.00E-04	NA	NA	6.00E-04	0
NM_023924	BRD9	0	0.305315765561109	1	2.00E-04	NA	NA	6.00E-04	0
NM_001009877	BRD9	0	0.305315765561109	1	2.00E-04	NA	NA	6.00E-04	0
NR_027633	BRD9	0	0.305315765561109	1	2.00E-04	NA	NA	6.00E-04	0
NR_024490	GABPB1-AS1	0	0.305770104497955	1	2.00E-04	NA	NA	6.00E-04	0
NM_014906	PPM1E	0	0.305770104497955	1	2.00E-04	NA	NA	6.00E-04	0
NR_048561	PPM1E	0	0.305770104497955	1	2.00E-04	NA	NA	6.00E-04	0
NM_001146009	SLCO5A1	0	0.305770104497955	1	2.00E-04	NA	NA	6.00E-04	0
NM_001130842	ZNF286A	0	0.306224443434802	1	2.00E-04	NA	NA	6.00E-04	0
NM_020652	ZNF286A	0	0.306224443434802	1	2.00E-04	NA	NA	6.00E-04	0
NM_001040662	METTL21D	0	0.306678782371649	1	2.00E-04	NA	NA	6.00E-04	0
NM_024558	METTL21D	0	0.306678782371649	1	2.00E-04	NA	NA	6.00E-04	0
NR_049739	METTL21D	0	0.306678782371649	1	2.00E-04	NA	NA	6.00E-04	0
NR_049738	METTL21D	0	0.306678782371649	1	2.00E-04	NA	NA	6.00E-04	0
NM_006519	DYNLT1	0.0572467060427079	0.363925488414357	1	4.00E-04	NA	NA	0.001	0
NM_030627	CPEB4	0	0.307133121308496	1	2.00E-04	NA	NA	6.00E-04	0
NM_016485	VTA1	0	0.307133121308496	1	2.00E-04	NA	NA	6.00E-04	0
NR_024061	LOH12CR2	0	0.307133121308496	1	2.00E-04	NA	NA	6.00E-04	0
NM_001029870	SOWAHB	0	0.307133121308496	0.9996	4.00E-04	NA	NA	0.001	0
NM_001164586	IGFN1	0	0.30804179918219	1	2.00E-04	NA	NA	6.00E-04	0
NM_001042384	CEP63	0	0.30804179918219	1	2.00E-04	NA	NA	6.00E-04	0
NM_001042383	CEP63	0	0.30804179918219	1	2.00E-04	NA	NA	6.00E-04	0
NM_024537	CARS2	0	0.30804179918219	1	2.00E-04	NA	NA	6.00E-04	0
NM_001077690	ALG9	0	0.308496138119037	1	2.00E-04	NA	NA	6.00E-04	0
NM_024740	ALG9	0	0.308496138119037	1	2.00E-04	NA	NA	6.00E-04	0
NM_005323	HIST1H1T	0	0.308496138119037	1	2.00E-04	NA	NA	6.00E-04	0
NM_020531	APMAP	0	0.308950477055884	1	2.00E-04	NA	NA	6.00E-04	0
NR_026908	AQP4-AS1	0	0.309404815992731	1	2.00E-04	NA	NA	6.00E-04	0
NM_001013257	BCAM	0	0.309404815992731	1	2.00E-04	NA	NA	6.00E-04	0
NM_005581	BCAM	0	0.309404815992731	1	2.00E-04	NA	NA	6.00E-04	0
NM_004932	CDH6	0	0.309404815992731	1	2.00E-04	NA	NA	6.00E-04	0

NM_000358	<i>TGFBI</i>	0	0.309404815992731	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282385	<i>CSNK2B</i>	0	0.309404815992731	1	2.00E-04	NA	NA	6.00E-04	0
NM_001320	<i>CSNK2B</i>	0	0.309404815992731	1	2.00E-04	NA	NA	6.00E-04	0
NM_019090	<i>MAP10</i>	0	0.309859154929577	1	2.00E-04	NA	NA	6.00E-04	0
NM_001098638	<i>RNF169</i>	0	0.309859154929577	1	2.00E-04	NA	NA	6.00E-04	0
NM_001039762	<i>FAM196A</i>	0	0.309859154929577	1	2.00E-04	NA	NA	6.00E-04	0
NM_001127365	<i>FAM221A</i>	0	0.310767832803271	1	2.00E-04	NA	NA	6.00E-04	0
NM_001127364	<i>FAM221A</i>	0	0.310767832803271	1	2.00E-04	NA	NA	6.00E-04	0
NM_199136	<i>FAM221A</i>	0	0.310767832803271	1	2.00E-04	NA	NA	6.00E-04	0
NM_001243736	<i>LAMTOR3</i>	0	0.310767832803271	1	2.00E-04	NA	NA	6.00E-04	0
NM_021970	<i>LAMTOR3</i>	0	0.310767832803271	1	2.00E-04	NA	NA	6.00E-04	0
NR_024170	<i>LAMTOR3</i>	0	0.310767832803271	1	2.00E-04	NA	NA	6.00E-04	0
NM_014494	<i>TNRC6A</i>	0	0.311222171740118	1	2.00E-04	NA	NA	6.00E-04	0
NM_000738	<i>CHRM1</i>	0	0.311676510676965	1	2.00E-04	NA	NA	6.00E-04	0
NM_007038	<i>ADAMT55</i>	0	0.311676510676965	1	2.00E-04	NA	NA	6.00E-04	0
NM_005990	<i>STK10</i>	0	0.311676510676965	1	2.00E-04	NA	NA	6.00E-04	0
NM_001258315	<i>ECT2</i>	0	0.312130849613812	1	2.00E-04	NA	NA	6.00E-04	0
NM_001258316	<i>ECT2</i>	0	0.312130849613812	1	2.00E-04	NA	NA	6.00E-04	0
NM_018098	<i>ECT2</i>	0	0.312130849613812	1	2.00E-04	NA	NA	6.00E-04	0
NM_175610	<i>TJP1</i>	0	0.312130849613812	1	2.00E-04	NA	NA	6.00E-04	0
NM_003257	<i>TJP1</i>	0	0.312130849613812	1	2.00E-04	NA	NA	6.00E-04	0
NR_073130	<i>CDH19</i>	0	0.312130849613812	1	2.00E-04	NA	NA	6.00E-04	0
NM_021153	<i>CDH19</i>	0	0.312130849613812	1	2.00E-04	NA	NA	6.00E-04	0
NM_001271028	<i>CDH19</i>	0	0.312130849613812	1	2.00E-04	NA	NA	6.00E-04	0
NM_006233	<i>POLR2I</i>	0	0.312130849613812	1	2.00E-04	NA	NA	6.00E-04	0
NM_173358	<i>SSX7</i>	0	0.312130849613812	1	2.00E-04	NA	NA	6.00E-04	0
NR_104260	<i>PRDM15</i>	0	0.312585188550659	1	2.00E-04	NA	NA	6.00E-04	0
NM_152765	<i>C8orf46</i>	0	0.313039527487506	1	2.00E-04	NA	NA	6.00E-04	0
NM_003772	<i>JRKL</i>	0	0.313948205361199	1	2.00E-04	NA	NA	6.00E-04	0
NM_001261833	<i>JRKL</i>	0	0.313948205361199	1	2.00E-04	NA	NA	6.00E-04	0
NM_001206691	<i>RFX4</i>	0	0.313948205361199	1	2.00E-04	NA	NA	6.00E-04	0
NM_001173467	<i>SP7</i>	0	0.313948205361199	1	2.00E-04	NA	NA	6.00E-04	0
NM_018189	<i>DPPA4</i>	0	0.313948205361199	1	2.00E-04	NA	NA	6.00E-04	0
NM_000362	<i>TIMP3</i>	0	0.314402544298046	1	2.00E-04	NA	NA	6.00E-04	0
NM_005288	<i>GPR12</i>	0	0.314402544298046	1	2.00E-04	NA	NA	6.00E-04	0
NR_033981	<i>FLJ27354</i>	0	0.314856883234893	1	2.00E-04	NA	NA	6.00E-04	0
NM_006946	<i>SPTBN2</i>	0	0.314856883234893	1	2.00E-04	NA	NA	6.00E-04	0
NM_004730	<i>ETF1</i>	0	0.314856883234893	1	2.00E-04	NA	NA	6.00E-04	0
NM_001256302	<i>ETF1</i>	0	0.314856883234893	1	2.00E-04	NA	NA	6.00E-04	0
NM_001242776	<i>TMEM139</i>	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NM_001242777	<i>TMEM139</i>	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0

NM_001242773	TMEM139	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NM_001242774	TMEM139	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NM_001242775	TMEM139	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282877	TMEM139	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NM_153345	TMEM139	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NR_104250	TMEM139	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NR_104251	TMEM139	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NR_104252	TMEM139	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NR_104253	TMEM139	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NR_104254	TMEM139	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282876	TMEM139	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NR_040003	TMEM139	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NR_049794	LOC100506834	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NM_000086	CLN3	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NM_007146	VEZF1	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NM_001080495	TNRC18	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NM_000507	FBP1	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NM_001127628	FBP1	0	0.31531122217174	1	2.00E-04	NA	NA	6.00E-04	0
NM_015157	PHLDB1	0	0.315765561108587	1	2.00E-04	NA	NA	6.00E-04	0
NM_001114172	PIK3R3	0	0.315765561108587	1	2.00E-04	NA	NA	6.00E-04	0
NM_003629	PIK3R3	0	0.315765561108587	1	2.00E-04	NA	NA	6.00E-04	0
NM_005019	PDE1A	0	0.315765561108587	1	2.00E-04	NA	NA	6.00E-04	0
NM_001258312	PDE1A	0	0.315765561108587	1	2.00E-04	NA	NA	6.00E-04	0
NM_001003683	PDE1A	0	0.315765561108587	1	2.00E-04	NA	NA	6.00E-04	0
NM_002048	GAS1	0	0.315765561108587	1	2.00E-04	NA	NA	6.00E-04	0
NM_001136140	CMPK1	0	0.316219900045434	1	2.00E-04	NA	NA	6.00E-04	0
NR_046395	CMPK1	0	0.316219900045434	1	2.00E-04	NA	NA	6.00E-04	0
NM_016308	CMPK1	0	0.316219900045434	1	2.00E-04	NA	NA	6.00E-04	0
NR_046394	CMPK1	0	0.316219900045434	1	2.00E-04	NA	NA	6.00E-04	0
NM_001083314	CHMP1A	0	0.316219900045434	1	2.00E-04	NA	NA	6.00E-04	0
NM_002768	CHMP1A	0	0.316219900045434	1	2.00E-04	NA	NA	6.00E-04	0
NR_046418	CHMP1A	0	0.316219900045434	1	2.00E-04	NA	NA	6.00E-04	0
NM_213589	RAPH1	0	0.316219900045434	1	2.00E-04	NA	NA	6.00E-04	0
NM_203365	RAPH1	0	0.316219900045434	1	2.00E-04	NA	NA	6.00E-04	0
NM_006041	HS3ST3B1	0	0.317128577919128	1	2.00E-04	NA	NA	6.00E-04	0
NM_182490	ZNF227	0	0.317128577919128	1	2.00E-04	NA	NA	6.00E-04	0
NM_153689	C2orf69	0	0.317128577919128	1	2.00E-04	NA	NA	6.00E-04	0
NM_002301	LDHC	0	0.317582916855975	1	2.00E-04	NA	NA	6.00E-04	0
NM_017448	LDHC	0	0.317582916855975	1	2.00E-04	NA	NA	6.00E-04	0
NM_014855	AP5Z1	0	0.317582916855975	1	2.00E-04	NA	NA	6.00E-04	0
NM_001242946	EPDR1	0	0.318037255792821	1	2.00E-04	NA	NA	6.00E-04	0

NM_017549	EPDR1	0	0.318037255792821	1	2.00E-04	NA	NA	6.00E-04	0
NM_001164748	RASSF8	0	0.318491594729668	1	2.00E-04	NA	NA	6.00E-04	0
NM_007211	RASSF8	0	0.318491594729668	1	2.00E-04	NA	NA	6.00E-04	0
NM_018902	PCDHA11	0	0.318491594729668	1	2.00E-04	NA	NA	6.00E-04	0
NM_031861	PCDHA11	0	0.318491594729668	0.9998	6.00E-04	NA	NA	0.0029	0
NM_001105528	CCDC178	0	0.318491594729668	1	2.00E-04	NA	NA	6.00E-04	0
NR_038227	RASSF8-AS1	0	0.318945933666515	1	2.00E-04	NA	NA	6.00E-04	0
NM_033126	PSKH2	0	0.318945933666515	1	2.00E-04	NA	NA	6.00E-04	0
NR_004859	SCAND2P	0	0.319400272603362	1	2.00E-04	NA	NA	6.00E-04	0
NR_003654	SCAND2P	0	0.319400272603362	1	2.00E-04	NA	NA	6.00E-04	0
NM_001444	FABP5	0	0.319400272603362	1	2.00E-04	NA	NA	6.00E-04	0
NM_001127321	CBX5	0	0.319400272603362	1	2.00E-04	NA	NA	6.00E-04	0
NM_001243194	INPP5F	0	0.319854611540209	1	2.00E-04	NA	NA	6.00E-04	0
NM_181794	PKIB	0	0.319854611540209	1	2.00E-04	NA	NA	6.00E-04	0
NM_001270394	PKIB	0	0.319854611540209	1	2.00E-04	NA	NA	6.00E-04	0
NM_001270393	PKIB	0	0.319854611540209	1	2.00E-04	NA	NA	6.00E-04	0
NM_001009566	CLSTN1	0	0.319854611540209	1	4.00E-04	NA	NA	0.001	0
NM_014944	CLSTN1	0	0.319854611540209	1	2.00E-04	NA	NA	6.00E-04	0
NM_017611	SLC43A3	0	0.319854611540209	1	2.00E-04	NA	NA	6.00E-04	0
NM_021115	SEZ6L	0	0.320308950477056	1	2.00E-04	NA	NA	6.00E-04	0
NM_001184775	SEZ6L	0	0.320308950477056	1	2.00E-04	NA	NA	6.00E-04	0
NM_001184777	SEZ6L	0	0.320308950477056	1	2.00E-04	NA	NA	6.00E-04	0
NM_001184774	SEZ6L	0	0.320308950477056	1	2.00E-04	NA	NA	6.00E-04	0
NM_001184773	SEZ6L	0	0.320308950477056	1	2.00E-04	NA	NA	6.00E-04	0
NM_001184776	SEZ6L	0	0.320308950477056	1	2.00E-04	NA	NA	6.00E-04	0
NM_001010853	PM20D2	0	0.320763289413903	1	2.00E-04	NA	NA	6.00E-04	0
NM_001197079	IFRD1	0	0.320763289413903	1	2.00E-04	NA	NA	6.00E-04	0
NM_001145335	UBE2Q2	0	0.32121762835075	1	2.00E-04	NA	NA	6.00E-04	0
NM_001284382	UBE2Q2	0	0.32121762835075	1	2.00E-04	NA	NA	6.00E-04	0
NM_173469	UBE2Q2	0	0.32121762835075	1	2.00E-04	NA	NA	6.00E-04	0
NM_004067	CHN2	0	0.32121762835075	1	2.00E-04	NA	NA	6.00E-04	0
NM_033261	IDI2	0	0.32121762835075	1	2.00E-04	NA	NA	6.00E-04	0
NM_001244701	ZFP36L1	0	0.321671967287597	1	2.00E-04	NA	NA	6.00E-04	0
NM_006667	PGRMC1	0	0.322126306224443	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282621	PGRMC1	0	0.322126306224443	1	2.00E-04	NA	NA	6.00E-04	0
NM_003031	SIAH1	0	0.322126306224443	1	2.00E-04	NA	NA	6.00E-04	0
NM_000684	ADRB1	0	0.32258064516129	1	2.00E-04	NA	NA	6.00E-04	0
NM_178468	FAM83C	0	0.32258064516129	1	2.00E-04	NA	NA	6.00E-04	0
NM_182506	MAGEB10	0.220354384370741	0.543389368468878	0.9998	2.00E-04	1	0.0626	6.00E-04	0
NM_007008	RTN4	0	0.323034984098137	1	2.00E-04	NA	NA	6.00E-04	0
NM_080743	SRSF12	0	0.323489323034984	1	2.00E-04	NA	NA	6.00E-04	0



NM_001145549	<i>TXNDC5</i>	0	0.324398000908678	1	2.00E-04	NA	NA	6.00E-04	0
NM_005251	<i>FOXC2</i>	0	0.324852339845525	1	2.00E-04	NA	NA	6.00E-04	0
NM_024784	<i>ZBTB3</i>	0	0.324852339845525	1	2.00E-04	NA	NA	6.00E-04	0
NM_020890	<i>KIAA1524</i>	0	0.324852339845525	1	2.00E-04	NA	NA	6.00E-04	0
NM_001006683	<i>SPIN2B</i>	0	0.326215356656065	1	2.00E-04	NA	NA	6.00E-04	0
NM_001006682	<i>SPIN2B</i>	0	0.326215356656065	1	2.00E-04	NA	NA	6.00E-04	0
NM_001006681	<i>SPIN2B</i>	0	0.326215356656065	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282461	<i>SPIN2B</i>	0	0.326215356656065	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282462	<i>SPIN2B</i>	0	0.326215356656065	1	2.00E-04	NA	NA	6.00E-04	0
NM_001190766	<i>STMND1</i>	0	0.326669695592912	1	2.00E-04	NA	NA	6.00E-04	0
NM_001204151	<i>MBD1</i>	0	0.326669695592912	1	2.00E-04	NA	NA	6.00E-04	0
NM_001010883	<i>FAM102B</i>	0	0.327124034529759	1	2.00E-04	NA	NA	6.00E-04	0
NM_001278478	<i>RUNX2</i>	0	0.327124034529759	1	2.00E-04	NA	NA	6.00E-04	0
NM_014862	<i>ARNT2</i>	0	0.327578373466606	1	2.00E-04	NA	NA	6.00E-04	0
NR_049729	<i>ASB16-AS1</i>	0	0.327578373466606	1	2.00E-04	NA	NA	6.00E-04	0
NR_049730	<i>ASB16-AS1</i>	0	0.327578373466606	1	2.00E-04	NA	NA	6.00E-04	0
NM_198152	<i>UTS2B</i>	0	0.327578373466606	1	2.00E-04	NA	NA	6.00E-04	0
NM_007364	<i>TMED3</i>	0	0.328032712403453	1	2.00E-04	NA	NA	6.00E-04	0
NM_001162536	<i>RBMXL1</i>	0	0.328032712403453	1	2.00E-04	NA	NA	6.00E-04	0
NM_001008662	<i>CCBL2</i>	0	0.328032712403453	1	2.00E-04	NA	NA	6.00E-04	0
NM_019610	<i>RBMXL1</i>	0	0.328032712403453	1	2.00E-04	NA	NA	6.00E-04	0
NM_001008661	<i>CCBL2</i>	0	0.328032712403453	0.9998	2.00E-04	NA	NA	6.00E-04	0
NM_001002009	<i>NT5C3A</i>	0	0.328032712403453	1	2.00E-04	NA	NA	6.00E-04	0
NM_001002010	<i>NT5C3A</i>	0	0.328032712403453	1	2.00E-04	NA	NA	6.00E-04	0
NM_173800	<i>AQPEP</i>	0.108132666969559	0.436619718309859	1	2.00E-04	NA	NA	6.00E-04	0
NM_001169107	<i>FAM21C</i>	0	0.3284870513403	1	2.00E-04	NA	NA	6.00E-04	0
NM_001169106	<i>FAM21C</i>	0	0.3284870513403	1	2.00E-04	NA	NA	6.00E-04	0
NM_015262	<i>FAM21C</i>	0	0.3284870513403	1	4.00E-04	NA	NA	0.001	0
NM_183374	<i>CYP26C1</i>	0	0.329395729213994	1	2.00E-04	NA	NA	6.00E-04	0
NM_020750	<i>XPO5</i>	0	0.329395729213994	1	2.00E-04	NA	NA	6.00E-04	0
NM_020457	<i>THAP11</i>	0	0.329850068150841	1	2.00E-04	NA	NA	6.00E-04	0
NM_007077	<i>AP4S1</i>	0	0.330758746024534	1	2.00E-04	NA	NA	6.00E-04	0
NM_001254726	<i>AP4S1</i>	0	0.330758746024534	1	2.00E-04	NA	NA	6.00E-04	0
NM_001254727	<i>AP4S1</i>	0	0.330758746024534	1	2.00E-04	NA	NA	6.00E-04	0
NM_001128126	<i>AP4S1</i>	0	0.330758746024534	1	2.00E-04	NA	NA	6.00E-04	0
NM_001135553	<i>MKNK1</i>	0	0.331213084961381	1	2.00E-04	NA	NA	6.00E-04	0
NM_003684	<i>MKNK1</i>	0	0.331213084961381	1	2.00E-04	NA	NA	6.00E-04	0
NM_198973	<i>MKNK1</i>	0	0.331213084961381	1	2.00E-04	NA	NA	6.00E-04	0
NR_024174	<i>MKNK1</i>	0	0.331213084961381	1	2.00E-04	NA	NA	6.00E-04	0
NR_024176	<i>MKNK1</i>	0	0.331213084961381	1	2.00E-04	NA	NA	6.00E-04	0
NM_004463	<i>FGD1</i>	0	0.331213084961381	1	2.00E-04	NA	NA	6.00E-04	0

NM_006455	LEPREL4	0	0.331667423898228	1	2.00E-04	NA	NA	6.00E-04	0
NM_001002258	ATP5G3	0	0.331667423898228	1	2.00E-04	NA	NA	6.00E-04	0
NM_006835	CCNI	0	0.331667423898228	1	2.00E-04	NA	NA	6.00E-04	0
NM_183399	RNF14	0	0.332121762835075	1	2.00E-04	NA	NA	6.00E-04	0
NM_001201365	RNF14	0	0.332121762835075	1	2.00E-04	NA	NA	6.00E-04	0
NM_006180	NTRK2	0	0.332121762835075	1	2.00E-04	NA	NA	6.00E-04	0
NM_001018064	NTRK2	0	0.332121762835075	1	2.00E-04	NA	NA	6.00E-04	0
NM_006456	ST6GALNAC2	0	0.332121762835075	1	2.00E-04	NA	NA	6.00E-04	0
NM_001202439	NCR3LG1	0	0.332576101771922	1	2.00E-04	NA	NA	6.00E-04	0
NM_002686	PNMT	0	0.332576101771922	1	2.00E-04	NA	NA	6.00E-04	0
NR_073461	PNMT	0	0.332576101771922	1	2.00E-04	NA	NA	6.00E-04	0
NM_014953	DIS3	0	0.333484779645616	1	2.00E-04	NA	NA	6.00E-04	0
NM_001128226	DIS3	0	0.333484779645616	1	2.00E-04	NA	NA	6.00E-04	0
NR_046283	NEBL-AS1	0	0.333939118582463	1	2.00E-04	NA	NA	6.00E-04	0
NM_000173	GP1BA	0	0.333939118582463	1	2.00E-04	NA	NA	6.00E-04	0
NM_005402	RALA	0	0.333939118582463	1	2.00E-04	NA	NA	6.00E-04	0
NM_005160	ADRBK2	0	0.334393457519309	1	2.00E-04	NA	NA	6.00E-04	0
NM_001002911	GPR139	0	0.334393457519309	1	2.00E-04	NA	NA	6.00E-04	0
NM_001198832	PDE4DIP	0	0.334847796456156	1	2.00E-04	NA	NA	6.00E-04	0
NR_027182	JMJD1C-AS1	0	0.335302135393003	1	2.00E-04	NA	NA	6.00E-04	0
NM_001276249	LDLRAD4	0	0.335302135393003	1	2.00E-04	NA	NA	6.00E-04	0
NM_024958	NRSN2	0	0.335302135393003	1	2.00E-04	NA	NA	6.00E-04	0
NM_000126	ETFA	0	0.335302135393003	1	2.00E-04	NA	NA	6.00E-04	0
NM_001127716	ETFA	0	0.335302135393003	1	2.00E-04	NA	NA	6.00E-04	0
NM_207040	TCF12	0	0.33575647432985	1	2.00E-04	NA	NA	6.00E-04	0
NM_212551	LYSMD1	0	0.33575647432985	1	2.00E-04	NA	NA	6.00E-04	0
NM_001136543	LYSMD1	0	0.33575647432985	1	2.00E-04	NA	NA	6.00E-04	0
NM_003553	OR1E1	0	0.33575647432985	1	2.00E-04	NA	NA	6.00E-04	0
NM_025184	EFHC2	0	0.33575647432985	1	2.00E-04	NA	NA	6.00E-04	0
NR_028287	GABARAPL3	0	0.336210813266697	1	2.00E-04	NA	NA	6.00E-04	0
NM_022336	EDAR	0	0.336665152203544	1	2.00E-04	NA	NA	6.00E-04	0
NM_006690	MMP24	0	0.337119491140391	1	2.00E-04	NA	NA	6.00E-04	0
NM_003458	BSN	0	0.337573830077238	1	2.00E-04	NA	NA	6.00E-04	0
NR_033961	LSP1P3	0	0.337573830077238	1	2.00E-04	NA	NA	6.00E-04	0
NR_003010	SCARNA12	0	0.337573830077238	1	2.00E-04	NA	NA	6.00E-04	0
NM_001127322	CBX5	0	0.338028169014085	1	2.00E-04	NA	NA	6.00E-04	0
NM_144693	ZNF558	0	0.338936846887778	1	2.00E-04	NA	NA	6.00E-04	0
NM_001142552	DCHS2	0	0.338936846887778	1	2.00E-04	NA	NA	6.00E-04	0
NM_001142553	DCHS2	0	0.338936846887778	1	2.00E-04	NA	NA	6.00E-04	0
NM_004219	PTTG1	0.113584734211722	0.4525215810995	1	2.00E-04	NA	NA	6.00E-04	0
NR_029696	MIR127	0	0.339391185824625	1	2.00E-04	NA	NA	6.00E-04	0

NM_001004488	<i>OR2A25</i>	0	0.339391185824625	1	2.00E-04	NA	NA	6.00E-04	0
NM_170713	<i>RASSF1</i>	0	0.339391185824625	1	2.00E-04	NA	NA	6.00E-04	0
NM_170712	<i>RASSF1</i>	0	0.339391185824625	1	2.00E-04	NA	NA	6.00E-04	0
NM_014301	<i>ISCU</i>	0	0.339845524761472	1	2.00E-04	NA	NA	6.00E-04	0
NM_213595	<i>ISCU</i>	0	0.339845524761472	1	2.00E-04	NA	NA	6.00E-04	0
NM_001040078	<i>LGALS9C</i>	0	0.339845524761472	1	2.00E-04	NA	NA	6.00E-04	0
NM_007021	<i>C10orf10</i>	0	0.339845524761472	1	2.00E-04	NA	NA	6.00E-04	0
NM_001005491	<i>OR10AG1</i>	0	0.339845524761472	1	2.00E-04	NA	NA	6.00E-04	0
NM_001242581	<i>RIN2</i>	0	0.340754202635166	1	2.00E-04	NA	NA	6.00E-04	0
NM_003523	<i>HIST1H2BE</i>	0	0.340754202635166	1	2.00E-04	NA	NA	6.00E-04	0
NM_006468	<i>POLR3C</i>	0	0.340754202635166	1	2.00E-04	NA	NA	6.00E-04	0
NM_173352	<i>KRT78</i>	0	0.340754202635166	1	2.00E-04	NA	NA	6.00E-04	0
NM_020988	<i>GNAO1</i>	0	0.341208541572013	1	2.00E-04	NA	NA	6.00E-04	0
NM_138736	<i>GNAO1</i>	0	0.341208541572013	1	2.00E-04	NA	NA	6.00E-04	0
NM_004379	<i>CREB1</i>	0	0.341208541572013	1	2.00E-04	NA	NA	6.00E-04	0
NM_134442	<i>CREB1</i>	0	0.341208541572013	1	2.00E-04	NA	NA	6.00E-04	0
NM_001079537	<i>TRAPPC6B</i>	0	0.341208541572013	1	2.00E-04	NA	NA	6.00E-04	0
NM_177452	<i>TRAPPC6B</i>	0	0.341208541572013	1	2.00E-04	NA	NA	6.00E-04	0
NM_025128	<i>MUS81</i>	0	0.34166288050886	1	2.00E-04	NA	NA	6.00E-04	0
NM_032088	<i>PCDHGA8</i>	0	0.342117219445706	1	2.00E-04	NA	NA	6.00E-04	0
NM_014004	<i>PCDHGA8</i>	0	0.342117219445706	1	2.00E-04	NA	NA	6.00E-04	0
NM_001146705	<i>KDM5D</i>	0	0.342117219445706	1	2.00E-04	NA	NA	6.00E-04	0
NM_001146706	<i>KDM5D</i>	0	0.342117219445706	1	2.00E-04	NA	NA	6.00E-04	0
NM_004653	<i>KDM5D</i>	0	0.342117219445706	1	2.00E-04	NA	NA	6.00E-04	0
NM_019557	<i>MTFR1L</i>	0	0.3430258973194	1	2.00E-04	NA	NA	6.00E-04	0
NM_001004309	<i>ZNF774</i>	0	0.3430258973194	1	2.00E-04	NA	NA	6.00E-04	0
NM_016180	<i>SLC45A2</i>	0	0.343480236256247	1	2.00E-04	NA	NA	6.00E-04	0
NM_001012509	<i>SLC45A2</i>	0	0.343480236256247	1	2.00E-04	NA	NA	6.00E-04	0
NM_024041	<i>SCNM1</i>	0	0.343934575193094	1	2.00E-04	NA	NA	6.00E-04	0
NR_037937	<i>SCNM1</i>	0	0.343934575193094	1	2.00E-04	NA	NA	6.00E-04	0
NM_001204856	<i>SCNM1</i>	0	0.343934575193094	1	2.00E-04	NA	NA	6.00E-04	0
NM_024422	<i>DSC2</i>	0	0.343934575193094	1	2.00E-04	NA	NA	6.00E-04	0
NM_004949	<i>DSC2</i>	0	0.343934575193094	1	2.00E-04	NA	NA	6.00E-04	0
NM_001134453	<i>DSG4</i>	0	0.344388914129941	1	2.00E-04	NA	NA	6.00E-04	0
NM_177986	<i>DSG4</i>	0	0.344388914129941	1	2.00E-04	NA	NA	6.00E-04	0
NM_001193311	<i>C7orf10</i>	0	0.344388914129941	1	2.00E-04	NA	NA	6.00E-04	0
NM_001193313	<i>C7orf10</i>	0	0.344388914129941	1	2.00E-04	NA	NA	6.00E-04	0
NM_001193312	<i>C7orf10</i>	0	0.344388914129941	1	2.00E-04	NA	NA	6.00E-04	0
NM_024728	<i>C7orf10</i>	0	0.344388914129941	1	2.00E-04	NA	NA	6.00E-04	0
NM_001099224	<i>IFT74</i>	0	0.344843253066788	1	2.00E-04	NA	NA	6.00E-04	0
NM_025103	<i>IFT74</i>	0	0.344843253066788	1	2.00E-04	NA	NA	6.00E-04	0

NM_194285	<i>SPTY2D1</i>	0	0.344843253066788	1	2.00E-04	NA	NA	6.00E-04	0
NM_003039	<i>SLC2A5</i>	0	0.345297592003635	1	2.00E-04	NA	NA	6.00E-04	0
NM_001135585	<i>SLC2A5</i>	0	0.345297592003635	1	2.00E-04	NA	NA	6.00E-04	0
NM_001206839	<i>PTPRZ1</i>	0	0.345751930940482	1	2.00E-04	NA	NA	6.00E-04	0
NM_002851	<i>PTPRZ1</i>	0	0.345751930940482	1	2.00E-04	NA	NA	6.00E-04	0
NM_001206838	<i>PTPRZ1</i>	0	0.345751930940482	1	2.00E-04	NA	NA	6.00E-04	0
NM_001135110	<i>DNAJA3</i>	0	0.346206269877328	1	2.00E-04	NA	NA	6.00E-04	0
NM_005147	<i>DNAJA3</i>	0	0.346206269877328	1	2.00E-04	NA	NA	6.00E-04	0
NM_153047	<i>FYN</i>	0	0.346660608814175	1	2.00E-04	NA	NA	6.00E-04	0
NM_004943	<i>DMWD</i>	0	0.347114947751022	1	2.00E-04	NA	NA	6.00E-04	0
NM_001177478	<i>HDX</i>	0	0.347114947751022	1	2.00E-04	NA	NA	6.00E-04	0
NM_001177479	<i>HDX</i>	0	0.347114947751022	1	2.00E-04	NA	NA	6.00E-04	0
NM_144657	<i>HDX</i>	0	0.347114947751022	1	2.00E-04	NA	NA	6.00E-04	0
NR_038274	<i>LINC00933</i>	0	0.347569286687869	1	2.00E-04	NA	NA	6.00E-04	0
NM_001134423	<i>CDV3</i>	0	0.347569286687869	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282763	<i>CDV3</i>	0	0.347569286687869	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282764	<i>CDV3</i>	0	0.347569286687869	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282765	<i>CDV3</i>	0	0.347569286687869	1	2.00E-04	NA	NA	6.00E-04	0
NM_005871	<i>SMNDC1</i>	0	0.347569286687869	1	2.00E-04	NA	NA	6.00E-04	0
NM_031409	<i>CCR6</i>	0	0.348023625624716	1	2.00E-04	NA	NA	6.00E-04	0
NM_005258	<i>GCHFR</i>	0	0.348477964561563	1	2.00E-04	NA	NA	6.00E-04	0
NM_001099756	<i>SYBU</i>	0	0.349386642435257	1	2.00E-04	NA	NA	6.00E-04	0
NM_032353	<i>VPS25</i>	0	0.349840981372104	1	2.00E-04	NA	NA	6.00E-04	0
NM_017626	<i>DNAJB12</i>	0	0.349840981372104	1	2.00E-04	NA	NA	6.00E-04	0
NM_001002762	<i>DNAJB12</i>	0	0.349840981372104	1	2.00E-04	NA	NA	6.00E-04	0
NM_001136002	<i>TMEM229A</i>	0	0.349840981372104	1	2.00E-04	NA	NA	6.00E-04	0
NM_003086	<i>SNAPC4</i>	0	0.349840981372104	1	2.00E-04	NA	NA	6.00E-04	0
NM_005584	<i>MAB21L1</i>	0.11676510676965	0.467060427078601	1	2.00E-04	NA	NA	6.00E-04	0
NM_022658	<i>HOXC8</i>	0	0.350749659245797	1	2.00E-04	NA	NA	6.00E-04	0
NM_000028	<i>AGL</i>	0	0.351203998182644	1	2.00E-04	NA	NA	6.00E-04	0
NM_000643	<i>AGL</i>	0	0.351203998182644	1	2.00E-04	NA	NA	6.00E-04	0
NM_000644	<i>AGL</i>	0	0.351203998182644	1	2.00E-04	NA	NA	6.00E-04	0
NM_014038	<i>BZW2</i>	0	0.351203998182644	1	2.00E-04	NA	NA	6.00E-04	0
NM_001159767	<i>BZW2</i>	0	0.351203998182644	1	2.00E-04	NA	NA	6.00E-04	0
NR_027624	<i>BZW2</i>	0	0.351203998182644	1	2.00E-04	NA	NA	6.00E-04	0
NM_018164	<i>ASUN</i>	0	0.351203998182644	1	2.00E-04	NA	NA	6.00E-04	0
NM_001322	<i>CST2</i>	0	0.351203998182644	1	2.00E-04	NA	NA	6.00E-04	0
NM_001077186	<i>MYH14</i>	0	0.352112676056338	1	2.00E-04	NA	NA	6.00E-04	0
NM_024729	<i>MYH14</i>	0	0.352112676056338	1	2.00E-04	NA	NA	6.00E-04	0
NM_001145809	<i>MYH14</i>	0	0.352112676056338	1	2.00E-04	NA	NA	6.00E-04	0
NM_020346	<i>SLC17A6</i>	0	0.352567014993185	1	2.00E-04	NA	NA	6.00E-04	0

NM_024072	<i>DDX54</i>	0	0.352567014993185	1	2.00E-04	NA	NA	6.00E-04	0
NM_001111322	<i>DDX54</i>	0	0.352567014993185	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282552	<i>BTBD3</i>	0	0.353021353930032	1	2.00E-04	NA	NA	6.00E-04	0
NM_181443	<i>BTBD3</i>	0	0.353021353930032	1	2.00E-04	NA	NA	6.00E-04	0
NM_001001960	<i>OR5W2</i>	0	0.353021353930032	1	2.00E-04	NA	NA	6.00E-04	0
NM_052892	<i>PKD1L2</i>	0	0.353475692866879	1	2.00E-04	NA	NA	6.00E-04	0
NM_001076780	<i>PKD1L2</i>	0	0.353475692866879	1	2.00E-04	NA	NA	6.00E-04	0
NR_036129	<i>MIR3170</i>	0	0.353930031803726	1	2.00E-04	NA	NA	6.00E-04	0
NM_001134422	<i>CDV3</i>	0	0.353930031803726	1	2.00E-04	NA	NA	6.00E-04	0
NM_017548	<i>CDV3</i>	0	0.353930031803726	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282762	<i>CDV3</i>	0	0.353930031803726	1	2.00E-04	NA	NA	6.00E-04	0
NR_024066	<i>CLRN1-AS1</i>	0	0.353930031803726	1	2.00E-04	NA	NA	6.00E-04	0
NM_004722	<i>AP4M1</i>	0	0.353930031803726	1	2.00E-04	NA	NA	6.00E-04	0
NM_001206671	<i>RIC3</i>	0	0.353930031803726	1	2.00E-04	NA	NA	6.00E-04	0
NM_001135109	<i>RIC3</i>	0	0.353930031803726	1	2.00E-04	NA	NA	6.00E-04	0
NM_001206672	<i>RIC3</i>	0	0.353930031803726	1	2.00E-04	NA	NA	6.00E-04	0
NM_024557	<i>RIC3</i>	0	0.353930031803726	1	2.00E-04	NA	NA	6.00E-04	0
NR_045405	<i>RIC3</i>	0	0.353930031803726	1	2.00E-04	NA	NA	6.00E-04	0
NM_001143775	<i>CTDNBP1</i>	0	0.353930031803726	1	2.00E-04	NA	NA	6.00E-04	0
NM_016076	<i>DES12</i>	0	0.354384370740572	1	2.00E-04	NA	NA	6.00E-04	0
NM_005614	<i>RHEB</i>	0	0.355293048614266	1	2.00E-04	NA	NA	6.00E-04	0
NM_006914	<i>RORB</i>	0	0.355747387551113	1	2.00E-04	NA	NA	6.00E-04	0
NM_199329	<i>SLC43A3</i>	0	0.355747387551113	1	2.00E-04	NA	NA	6.00E-04	0
NM_014096	<i>SLC43A3</i>	0	0.355747387551113	1	2.00E-04	NA	NA	6.00E-04	0
NM_001278201	<i>SLC43A3</i>	0	0.355747387551113	1	2.00E-04	NA	NA	6.00E-04	0
NM_001278206	<i>SLC43A3</i>	0	0.355747387551113	1	2.00E-04	NA	NA	6.00E-04	0
NM_001005323	<i>OR5AK2</i>	0	0.35620172648796	1	2.00E-04	NA	NA	6.00E-04	0
NM_152358	<i>IZUMO2</i>	0	0.35620172648796	1	2.00E-04	NA	NA	6.00E-04	0
NM_020971	<i>SPTBN4</i>	0	0.356656065424807	1	2.00E-04	NA	NA	6.00E-04	0
NM_001193487	<i>GTF2A1L</i>	0	0.356656065424807	1	2.00E-04	NA	NA	6.00E-04	0
NM_006872	<i>GTF2A1L</i>	0	0.356656065424807	1	2.00E-04	NA	NA	6.00E-04	0
NM_001136050	<i>DHRS1</i>	0	0.357110404361654	1	2.00E-04	NA	NA	6.00E-04	0
NM_000713	<i>BLVRB</i>	0	0.357110404361654	1	2.00E-04	NA	NA	6.00E-04	0
NM_197965	<i>SLC10A6</i>	0	0.357110404361654	1	2.00E-04	NA	NA	6.00E-04	0
NM_003014	<i>SFRP4</i>	0	0.357110404361654	1	2.00E-04	NA	NA	6.00E-04	0
NM_181698	<i>CCNY</i>	0	0.357564743298501	1	2.00E-04	NA	NA	6.00E-04	0
NM_000676	<i>ADORA2B</i>	0	0.357564743298501	1	4.00E-04	NA	NA	0.001	0
NM_031207	<i>HYI</i>	0	0.357564743298501	1	2.00E-04	NA	NA	6.00E-04	0
NM_001190880	<i>HYI</i>	0	0.357564743298501	1	2.00E-04	NA	NA	6.00E-04	0
NM_001243526	<i>HYI</i>	0	0.357564743298501	1	2.00E-04	NA	NA	6.00E-04	0
NM_001256733	<i>SSBP2</i>	0.0795093139482054	0.437528396183553	1	2.00E-04	NA	NA	6.00E-04	0

NM_001256736	SSBP2	0.0795093139482054	0.437528396183553	1	2.00E-04	NA	NA	6.00E-04	0
NM_001256735	SSBP2	0.0795093139482054	0.437528396183553	1	2.00E-04	NA	NA	6.00E-04	0
NM_001256734	SSBP2	0.0795093139482054	0.437528396183553	1	2.00E-04	NA	NA	6.00E-04	0
NM_001256732	SSBP2	0.0795093139482054	0.437528396183553	1	2.00E-04	NA	NA	6.00E-04	0
NM_012446	SSBP2	0.0795093139482054	0.437528396183553	1	2.00E-04	NA	NA	6.00E-04	0
NM_001570	IRAK2	0	0.358019082235348	1	2.00E-04	NA	NA	6.00E-04	0
NM_001256169	APOM	0	0.358019082235348	1	2.00E-04	NA	NA	6.00E-04	0
NR_045828	APOM	0	0.358019082235348	1	2.00E-04	NA	NA	6.00E-04	0
NM_015343	CTDNEP1	0	0.358019082235348	1	2.00E-04	NA	NA	6.00E-04	0
NM_007245	ATXN2L	0	0.358473421172194	1	2.00E-04	NA	NA	6.00E-04	0
NM_148415	ATXN2L	0	0.358473421172194	1	2.00E-04	NA	NA	6.00E-04	0
NM_148416	ATXN2L	0	0.358473421172194	1	2.00E-04	NA	NA	6.00E-04	0
NM_145714	ATXN2L	0	0.358473421172194	1	2.00E-04	NA	NA	6.00E-04	0
NM_017492	ATXN2L	0	0.358473421172194	1	2.00E-04	NA	NA	6.00E-04	0
NM_148414	ATXN2L	0	0.358473421172194	1	2.00E-04	NA	NA	6.00E-04	0
NM_173479	WDR88	0	0.358473421172194	1	2.00E-04	NA	NA	6.00E-04	0
NM_002201	ISG20	0	0.358927760109041	1	2.00E-04	NA	NA	6.00E-04	0
NM_020187	HMCES	0	0.358927760109041	1	2.00E-04	NA	NA	6.00E-04	0
NM_001006109	HMCES	0	0.358927760109041	1	2.00E-04	NA	NA	6.00E-04	0
NM_175859	CTPS2	0	0.358927760109041	1	2.00E-04	NA	NA	6.00E-04	0
NM_019857	CTPS2	0	0.358927760109041	1	2.00E-04	NA	NA	6.00E-04	0
NM_001017405	MAEA	0	0.359382099045888	1	2.00E-04	NA	NA	6.00E-04	0
NM_005882	MAEA	0	0.359382099045888	1	2.00E-04	NA	NA	6.00E-04	0
NM_182541	TMEM31	0	0.360290776919582	1	2.00E-04	NA	NA	6.00E-04	0
NM_001040619	ATF3	0.0436165379373012	0.404815992730577	1	2.00E-04	NA	NA	6.00E-04	0
NM_001674	ATF3	0.0436165379373012	0.404815992730577	1	2.00E-04	NA	NA	6.00E-04	0
NM_001206484	ATF3	0.0436165379373012	0.404815992730577	1	2.00E-04	NA	NA	6.00E-04	0
NM_001206488	ATF3	0.0436165379373012	0.404815992730577	1	2.00E-04	NA	NA	6.00E-04	0
NM_001243299	APLP2	0	0.361653793730123	1	2.00E-04	NA	NA	6.00E-04	0
NM_002115	HK3	0	0.361653793730123	1	2.00E-04	NA	NA	6.00E-04	0
NM_001278711	NRN1	0	0.36210813266697	1	2.00E-04	NA	NA	6.00E-04	0
NM_003010	MAP2K4	0	0.362562471603816	1	2.00E-04	NA	NA	6.00E-04	0
NM_001281435	MAP2K4	0	0.362562471603816	1	2.00E-04	NA	NA	6.00E-04	0
NM_173830	CEP57L1	0	0.362562471603816	1	2.00E-04	NA	NA	6.00E-04	0
NR_024420	LINC00937	0	0.362562471603816	1	2.00E-04	NA	NA	6.00E-04	0
NM_012369	OR2F1	0	0.363016810540663	1	2.00E-04	NA	NA	6.00E-04	0
NM_001162422	ETS1	0	0.363016810540663	1	2.00E-04	NA	NA	6.00E-04	0
NM_005238	ETS1	0	0.363016810540663	1	2.00E-04	NA	NA	6.00E-04	0
NM_001163499	FBXO24	0	0.36347114947751	1	2.00E-04	NA	NA	6.00E-04	0
NM_012172	FBXO24	0	0.36347114947751	1	2.00E-04	NA	NA	6.00E-04	0
NM_003482	KMT2D	0	0.36347114947751	1	2.00E-04	NA	NA	6.00E-04	0

NR_040109	LOC100505495	0	0.36347114947751	1	2.00E-04	NA	NA	6.00E-04	0
NM_002838	PTPRC	0	0.363925488414357	1	2.00E-04	NA	NA	6.00E-04	0
NR_052021	PTPRC	0	0.363925488414357	1	2.00E-04	NA	NA	6.00E-04	0
NM_080921	PTPRC	0	0.363925488414357	1	2.00E-04	NA	NA	6.00E-04	0
NM_001267798	PTPRC	0	0.363925488414357	1	2.00E-04	NA	NA	6.00E-04	0
NM_006474	PDPN	0	0.364379827351204	1	2.00E-04	NA	NA	6.00E-04	0
NM_198389	PDPN	0	0.364379827351204	1	2.00E-04	NA	NA	6.00E-04	0
NR_038879	PAXBP1-AS1	0	0.364834166288051	1	2.00E-04	NA	NA	6.00E-04	0
NR_038880	PAXBP1-AS1	0	0.364834166288051	1	2.00E-04	NA	NA	6.00E-04	0
NM_020211	RGMA	0	0.365288505224898	1	2.00E-04	NA	NA	6.00E-04	0
NM_001284401	TAMM41	0	0.365288505224898	1	2.00E-04	NA	NA	6.00E-04	0
NM_138807	TAMM41	0	0.365288505224898	1	2.00E-04	NA	NA	6.00E-04	0
NR_104314	TAMM41	0	0.365288505224898	1	2.00E-04	NA	NA	6.00E-04	0
NM_001256372	E2F8	0	0.365742844161745	1	2.00E-04	NA	NA	6.00E-04	0
NM_024680	E2F8	0	0.365742844161745	1	2.00E-04	NA	NA	6.00E-04	0
NM_001256371	E2F8	0	0.365742844161745	1	2.00E-04	NA	NA	6.00E-04	0
NR_045725	CACNA1C-AS1	0	0.365742844161745	1	2.00E-04	NA	NA	6.00E-04	0
NM_001166163	PPP1R9A	0.0408905043162199	0.406633348477965	1	2.00E-04	NA	NA	6.00E-04	0
NM_001166161	PPP1R9A	0.0408905043162199	0.406633348477965	1	2.00E-04	NA	NA	6.00E-04	0
NM_001166162	PPP1R9A	0.0408905043162199	0.406633348477965	1	2.00E-04	NA	NA	6.00E-04	0
NM_015533	DAK	0	0.366197183098592	1	2.00E-04	NA	NA	6.00E-04	0
NM_176894	P2RY13	0	0.366197183098592	1	2.00E-04	NA	NA	6.00E-04	0
NM_031276	TEX11	0	0.366197183098592	1	2.00E-04	NA	NA	6.00E-04	0
NM_001003811	TEX11	0	0.366197183098592	1	2.00E-04	NA	NA	6.00E-04	0
NM_001135051	FAM160B1	0	0.366651522035438	1	2.00E-04	NA	NA	6.00E-04	0
NM_020940	FAM160B1	0	0.366651522035438	1	2.00E-04	NA	NA	6.00E-04	0
NM_006618	KDM5B	0	0.366651522035438	1	2.00E-04	NA	NA	6.00E-04	0
NM_175054	HIST4H4	0	0.366651522035438	1	2.00E-04	NA	NA	6.00E-04	0
NM_001102668	PSMA4	0	0.368923216719673	1	2.00E-04	NA	NA	6.00E-04	0
NM_001102667	PSMA4	0	0.368923216719673	1	2.00E-04	NA	NA	6.00E-04	0
NM_002789	PSMA4	0	0.368923216719673	1	2.00E-04	NA	NA	6.00E-04	0
NM_004643	PABPN1	0	0.369831894593367	1	2.00E-04	NA	NA	6.00E-04	0
NM_001042416	ZNF596	0	0.369831894593367	1	2.00E-04	NA	NA	6.00E-04	0
NM_001042415	ZNF596	0	0.369831894593367	1	2.00E-04	NA	NA	6.00E-04	0
NM_144622	DCST2	0	0.369831894593367	1	2.00E-04	NA	NA	6.00E-04	0
NM_001144915	FGFR2	0.0236256247160382	0.393911858246252	1	2.00E-04	NA	NA	6.00E-04	0
NM_001100121	ECE2	0	0.370286233530214	1	2.00E-04	NA	NA	6.00E-04	0
NM_001100120	ECE2	0	0.370286233530214	1	2.00E-04	NA	NA	6.00E-04	0
NM_001037324	ECE2	0	0.370286233530214	1	2.00E-04	NA	NA	6.00E-04	0
NM_001035513	SDHC	0	0.37074057246706	1	2.00E-04	NA	NA	6.00E-04	0
NM_001278172	SDHC	0	0.37074057246706	1	4.00E-04	NA	NA	0.001	0

NM_003001	<i>SDHC</i>	0	0.37074057246706	1	4.00E-04	NA	NA	0.001	0
NM_001035512	<i>SDHC</i>	0	0.37074057246706	1	2.00E-04	NA	NA	6.00E-04	0
NM_001035511	<i>SDHC</i>	0	0.37074057246706	1	4.00E-04	NA	NA	0.001	0
NR_103459	<i>SDHC</i>	0	0.37074057246706	1	2.00E-04	NA	NA	6.00E-04	0
NM_001689	<i>ATP5G3</i>	0	0.37074057246706	1	2.00E-04	NA	NA	6.00E-04	0
NM_001190329	<i>ATP5G3</i>	0	0.37074057246706	1	2.00E-04	NA	NA	6.00E-04	0
NM_001546	<i>ID4</i>	0	0.371194911403907	1	2.00E-04	NA	NA	6.00E-04	0
NM_001159596	<i>BIVM</i>	0	0.371649250340754	1	2.00E-04	NA	NA	6.00E-04	0
NM_017693	<i>BIVM</i>	0	0.371649250340754	1	2.00E-04	NA	NA	6.00E-04	0
NM_000462	<i>UBE3A</i>	0	0.372103589277601	1	2.00E-04	NA	NA	6.00E-04	0
NM_130839	<i>UBE3A</i>	0	0.372103589277601	1	2.00E-04	NA	NA	6.00E-04	0
NM_003253	<i>TIAM1</i>	0	0.372103589277601	1	2.00E-04	NA	NA	6.00E-04	0
NM_133489	<i>SLC26A10</i>	0	0.372557928214448	1	2.00E-04	NA	NA	6.00E-04	0
NM_138435	<i>FAM83F</i>	0	0.373466606088142	1	2.00E-04	NA	NA	6.00E-04	0
NM_004034	<i>ANXA7</i>	0	0.373920945024989	1	2.00E-04	NA	NA	6.00E-04	0
NM_001156	<i>ANXA7</i>	0	0.373920945024989	1	2.00E-04	NA	NA	6.00E-04	0
NM_015526	<i>CLIP3</i>	0	0.374375283961836	1	2.00E-04	NA	NA	6.00E-04	0
NM_006560	<i>CELF1</i>	0	0.375283961835529	1	2.00E-04	NA	NA	6.00E-04	0
NM_052855	<i>ANKRD40</i>	0	0.375283961835529	1	2.00E-04	NA	NA	6.00E-04	0
NM_001145057	<i>IL18BP</i>	0	0.37664697864607	1	2.00E-04	NA	NA	6.00E-04	0
NM_001145055	<i>IL18BP</i>	0	0.37664697864607	1	2.00E-04	NA	NA	6.00E-04	0
NR_024526	<i>ARL6IP6</i>	0	0.37664697864607	1	2.00E-04	NA	NA	6.00E-04	0
NM_152522	<i>ARL6IP6</i>	0	0.37664697864607	1	2.00E-04	NA	NA	6.00E-04	0
NM_031480	<i>RIOK1</i>	0	0.37664697864607	1	2.00E-04	NA	NA	6.00E-04	0
NM_004004	<i>GJB2</i>	0	0.37664697864607	1	2.00E-04	NA	NA	6.00E-04	0
NM_001122838	<i>NAPEPLD</i>	0	0.37664697864607	1	2.00E-04	NA	NA	6.00E-04	0
NM_198990	<i>NAPEPLD</i>	0	0.37664697864607	1	2.00E-04	NA	NA	6.00E-04	0
NM_001001928	<i>PPARA</i>	0	0.377555656519764	1	2.00E-04	NA	NA	6.00E-04	0
NM_005036	<i>PPARA</i>	0	0.377555656519764	1	2.00E-04	NA	NA	6.00E-04	0
NM_144489	<i>RGS3</i>	0	0.377555656519764	1	2.00E-04	NA	NA	6.00E-04	0
NM_001276262	<i>RGS3</i>	0	0.377555656519764	1	2.00E-04	NA	NA	6.00E-04	0
NR_039872	<i>MIR4721</i>	0	0.377555656519764	1	2.00E-04	NA	NA	6.00E-04	0
NM_001199148	<i>SLC38A11</i>	0	0.377555656519764	1	2.00E-04	NA	NA	6.00E-04	0
NM_173512	<i>SLC38A11</i>	0	0.377555656519764	1	2.00E-04	NA	NA	6.00E-04	0
NM_002233	<i>KCNA4</i>	0	0.378009995456611	1	2.00E-04	NA	NA	6.00E-04	0
NM_000642	<i>AGL</i>	0	0.378464334393458	1	2.00E-04	NA	NA	6.00E-04	0
NM_001174138	<i>CCK</i>	0	0.378464334393458	1	2.00E-04	NA	NA	6.00E-04	0
NM_001501	<i>GNRH2</i>	0	0.378918673330304	1	2.00E-04	NA	NA	6.00E-04	0
NM_178332	<i>GNRH2</i>	0	0.378918673330304	1	2.00E-04	NA	NA	6.00E-04	0
NM_178331	<i>GNRH2</i>	0	0.378918673330304	1	2.00E-04	NA	NA	6.00E-04	0
NM_002363	<i>MAGEB1</i>	0	0.378918673330304	1	2.00E-04	NA	NA	6.00E-04	0



NM_177415	MAGEB1	0	0.378918673330304	1	2.00E-04	NA	NA	6.00E-04	0
NM_015975	TAF9B	0	0.378918673330304	1	2.00E-04	NA	NA	6.00E-04	0
NM_016329	SFMBT1	0	0.379827351203998	1	2.00E-04	NA	NA	6.00E-04	0
NR_039892	MIR4738	0	0.380281690140845	1	2.00E-04	NA	NA	6.00E-04	0
NM_001040424	PRDM15	0	0.380281690140845	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282934	PRDM15	0	0.380281690140845	1	2.00E-04	NA	NA	6.00E-04	0
NR_104257	PRDM15	0	0.380281690140845	1	2.00E-04	NA	NA	6.00E-04	0
NR_104258	PRDM15	0	0.380281690140845	1	2.00E-04	NA	NA	6.00E-04	0
NM_022115	PRDM15	0	0.380281690140845	1	2.00E-04	NA	NA	6.00E-04	0
NM_005023	PGGT1B	0	0.380281690140845	1	2.00E-04	NA	NA	6.00E-04	0
NM_015028	TNIK	0	0.380736029077692	1	2.00E-04	NA	NA	6.00E-04	0
NM_001161560	TNIK	0	0.380736029077692	1	2.00E-04	NA	NA	6.00E-04	0
NM_001161566	TNIK	0	0.380736029077692	1	2.00E-04	NA	NA	6.00E-04	0
NM_001161565	TNIK	0	0.380736029077692	1	2.00E-04	NA	NA	6.00E-04	0
NM_001161561	TNIK	0	0.380736029077692	1	2.00E-04	NA	NA	6.00E-04	0
NM_001161563	TNIK	0	0.380736029077692	1	2.00E-04	NA	NA	6.00E-04	0
NM_001161564	TNIK	0	0.380736029077692	1	2.00E-04	NA	NA	6.00E-04	0
NM_001161562	TNIK	0	0.380736029077692	1	2.00E-04	NA	NA	6.00E-04	0
NR_027767	TNIK	0	0.380736029077692	1	2.00E-04	NA	NA	6.00E-04	0
NM_003783	B3GALT2	0	0.381190368014539	1	2.00E-04	NA	NA	6.00E-04	0
NM_014360	NKX2-8	0	0.381190368014539	1	2.00E-04	NA	NA	6.00E-04	0
NM_001165136	HERC6	0	0.381644706951386	1	2.00E-04	NA	NA	6.00E-04	0
NM_017912	HERC6	0	0.381644706951386	1	2.00E-04	NA	NA	6.00E-04	0
NM_003162	STRN	0	0.381644706951386	1	2.00E-04	NA	NA	6.00E-04	0
NM_001251905	APPL2	0	0.382099045888233	1	2.00E-04	NA	NA	6.00E-04	0
NM_001267586	FBXW10	0	0.383007723761926	1	2.00E-04	NA	NA	6.00E-04	0
NM_001267585	FBXW10	0	0.383007723761926	1	2.00E-04	NA	NA	6.00E-04	0
NR_051988	FBXW10	0	0.383007723761926	1	2.00E-04	NA	NA	6.00E-04	0
NM_001112732	MCF2L	0	0.383462062698773	1	2.00E-04	NA	NA	6.00E-04	0
NM_001007169	ZNF483	0	0.383462062698773	1	2.00E-04	NA	NA	6.00E-04	0
NM_133464	ZNF483	0	0.383462062698773	1	2.00E-04	NA	NA	6.00E-04	0
NM_030810	TXNDC5	0	0.383462062698773	1	2.00E-04	NA	NA	6.00E-04	0
NR_024443	LOC100133920	0	0.38391640163562	1	2.00E-04	NA	NA	6.00E-04	0
NM_032765	TRIM52	0	0.38391640163562	1	2.00E-04	NA	NA	6.00E-04	0
NM_001267727	ARSG	0	0.384825079509314	1	2.00E-04	NA	NA	6.00E-04	0
NM_024589	ROGDI	0	0.384825079509314	1	2.00E-04	NA	NA	6.00E-04	0
NR_046480	ROGDI	0	0.384825079509314	1	2.00E-04	NA	NA	6.00E-04	0
NR_002964	SNORA28	0	0.386188096319855	1	2.00E-04	NA	NA	6.00E-04	0
NM_001198592	ADCY4	0	0.386642435256701	1	2.00E-04	NA	NA	6.00E-04	0
NM_001198568	ADCY4	0	0.386642435256701	1	2.00E-04	NA	NA	6.00E-04	0
NM_139247	ADCY4	0	0.386642435256701	1	2.00E-04	NA	NA	6.00E-04	0

NM_022120	<i>OXCT2</i>	0	0.387096774193548	1	2.00E-04	NA	NA	6.00E-04	0
NR_027152	<i>PRR26</i>	0.159018627896411	0.546115402089959	0.9992	2.00E-04	NA	NA	6.00E-04	0
NM_015004	<i>EXOSC7</i>	0	0.388005452067242	1	2.00E-04	NA	NA	6.00E-04	0
NR_023353	<i>EXOSC7</i>	0	0.388005452067242	1	2.00E-04	NA	NA	6.00E-04	0
NM_018414	<i>ST6GALNAC1</i>	0	0.388005452067242	1	2.00E-04	NA	NA	6.00E-04	0
NM_001039165	<i>MRGBPRE</i>	0	0.388459791004089	0.9998	4.00E-04	NA	NA	0.001	0
NM_001145670	<i>SORBS2</i>	0	0.388914129940936	1	2.00E-04	NA	NA	6.00E-04	0
NM_003603	<i>SORBS2</i>	0	0.388914129940936	1	2.00E-04	NA	NA	6.00E-04	0
NM_006522	<i>WNT6</i>	0	0.389368468877783	1	2.00E-04	NA	NA	6.00E-04	0
NR_003666	<i>SPDYE7P</i>	0	0.389368468877783	1	2.00E-04	NA	NA	6.00E-04	0
NM_001004317	<i>LIN28B</i>	0.044525215810995	0.434348023625625	1	2.00E-04	NA	NA	6.00E-04	0
NM_016166	<i>PIAS1</i>	0	0.38982280781463	1	2.00E-04	NA	NA	6.00E-04	0
NM_001715	<i>BLK</i>	0	0.390277146751477	1	2.00E-04	NA	NA	6.00E-04	0
NM_001039842	<i>OXLD1</i>	0	0.391640163562017	1	2.00E-04	NA	NA	6.00E-04	0
NM_000834	<i>GRIN2B</i>	0	0.392094502498864	1	2.00E-04	NA	NA	6.00E-04	0
NM_001033853	<i>RPL3</i>	0	0.392094502498864	1	2.00E-04	NA	NA	6.00E-04	0
NM_000967	<i>RPL3</i>	0	0.392094502498864	1	2.00E-04	NA	NA	6.00E-04	0
NM_134444	<i>NLRP4</i>	0	0.392548841435711	1	2.00E-04	NA	NA	6.00E-04	0
NM_000700	<i>ANXA1</i>	0	0.392548841435711	1	2.00E-04	NA	NA	6.00E-04	0
NM_152760	<i>SNX32</i>	0	0.393003180372558	1	2.00E-04	NA	NA	6.00E-04	0
NM_001345	<i>DGKA</i>	0	0.393003180372558	1	2.00E-04	NA	NA	6.00E-04	0
NM_152408	<i>POCS</i>	0	0.393003180372558	1	2.00E-04	NA	NA	6.00E-04	0
NM_052966	<i>FAM129A</i>	0	0.393457519309405	1	2.00E-04	NA	NA	6.00E-04	0
NM_005612	<i>REST</i>	0	0.393911858246252	1	2.00E-04	NA	NA	6.00E-04	0
NM_130768	<i>ASZ1</i>	0	0.394820536119945	1	2.00E-04	NA	NA	6.00E-04	0
NR_023315	<i>ASZ1</i>	0	0.394820536119945	1	2.00E-04	NA	NA	6.00E-04	0
NM_001190919	<i>THRA</i>	0	0.395274875056792	1	4.00E-04	NA	NA	0.001	0
NM_001190918	<i>THRA</i>	0	0.395274875056792	1	2.00E-04	NA	NA	6.00E-04	0
NM_003250	<i>THRA</i>	0	0.395274875056792	1	2.00E-04	NA	NA	6.00E-04	0
NM_199334	<i>THRA</i>	0	0.395274875056792	1	2.00E-04	NA	NA	6.00E-04	0
NM_001135244	<i>TCOF1</i>	0	0.395274875056792	1	2.00E-04	NA	NA	6.00E-04	0
NM_001135245	<i>TCOF1</i>	0	0.395274875056792	1	2.00E-04	NA	NA	6.00E-04	0
NM_000356	<i>TCOF1</i>	0	0.395274875056792	1	2.00E-04	NA	NA	6.00E-04	0
NM_001195141	<i>TCOF1</i>	0	0.395274875056792	1	2.00E-04	NA	NA	6.00E-04	0
NM_001135243	<i>TCOF1</i>	0	0.395274875056792	1	2.00E-04	NA	NA	6.00E-04	0
NM_001008657	<i>TCOF1</i>	0	0.395274875056792	1	2.00E-04	NA	NA	6.00E-04	0
NM_003948	<i>CDKL2</i>	0	0.395274875056792	1	2.00E-04	NA	NA	6.00E-04	0
NM_001243612	<i>LMO3</i>	0	0.396183552930486	1	2.00E-04	NA	NA	6.00E-04	0
NM_030929	<i>KAZALD1</i>	0	0.397546569741027	1	2.00E-04	NA	NA	6.00E-04	0
NM_002409	<i>MGAT3</i>	0	0.398455247614721	1	2.00E-04	NA	NA	6.00E-04	0
NM_018667	<i>SMPD3</i>	0	0.398909586551567	1	2.00E-04	NA	NA	6.00E-04	0

NM_175723	SSX5	0	0.399363925488414	1	2.00E-04	NA	NA	6.00E-04	0
NM_021015	SSX5	0	0.399363925488414	1	2.00E-04	NA	NA	6.00E-04	0
NR_073393	SSX9	0	0.399363925488414	1	2.00E-04	NA	NA	6.00E-04	0
NM_015137	EFR3A	0	0.399818264425261	1	2.00E-04	NA	NA	6.00E-04	0
NM_020199	C5orf15	0	0.401181281235802	1	2.00E-04	NA	NA	6.00E-04	0
NM_001242329	USP17L5	0	0.401635620172649	0.9984	0.0012	NA	NA	0.0031	1.00E-04
NR_027279	USP17L6P	0	0.401635620172649	0.9994	2.00E-04	NA	NA	6.00E-04	0
NM_001038493	DLX1	0	0.402998636983189	1	2.00E-04	NA	NA	6.00E-04	0
NM_178120	DLX1	0	0.402998636983189	1	2.00E-04	NA	NA	6.00E-04	0
NM_080391	PTP4A2	0	0.402998636983189	1	2.00E-04	NA	NA	6.00E-04	0
NM_014417	BBC3	0	0.402998636983189	1	2.00E-04	NA	NA	6.00E-04	0
NR_002981	SNORA51	0	0.403452975920036	1	2.00E-04	NA	NA	6.00E-04	0
NM_021072	HCN1	0	0.403452975920036	1	2.00E-04	NA	NA	6.00E-04	0
NM_014943	ZHX2	0	0.40436165379373	1	2.00E-04	NA	NA	6.00E-04	0
NM_001243613	LMO3	0	0.404815992730577	1	2.00E-04	NA	NA	6.00E-04	0
NM_001243610	LMO3	0	0.404815992730577	1	2.00E-04	NA	NA	6.00E-04	0
NM_018640	LMO3	0	0.404815992730577	1	2.00E-04	NA	NA	6.00E-04	0
NM_001079534	CPEB1	0	0.404815992730577	1	2.00E-04	NA	NA	6.00E-04	0
NM_001079533	CPEB1	0	0.404815992730577	1	2.00E-04	NA	NA	6.00E-04	0
NM_001079535	CPEB1	0	0.404815992730577	1	2.00E-04	NA	NA	6.00E-04	0
NM_017849	TMEM127	0	0.404815992730577	1	2.00E-04	NA	NA	6.00E-04	0
NM_001193304	TMEM127	0	0.404815992730577	1	2.00E-04	NA	NA	6.00E-04	0
NM_014840	NUAK1	0	0.406633348477965	1	2.00E-04	NA	NA	6.00E-04	0
NM_182492	LRP5L	0	0.407087687414811	1	2.00E-04	NA	NA	6.00E-04	0
NM_000773	CYP2E1	0	0.407996365288505	1	2.00E-04	NA	NA	6.00E-04	0
NM_006406	PRDX4	0	0.408450704225352	1	2.00E-04	NA	NA	6.00E-04	0
NM_004529	MLLT3	0	0.408450704225352	1	2.00E-04	NA	NA	6.00E-04	0
NM_198679	RAPGEF1	0	0.408450704225352	1	2.00E-04	NA	NA	6.00E-04	0
NM_000980	RPL18A	0	0.409813721035893	1	2.00E-04	NA	NA	6.00E-04	0
NM_018018	SLC38A4	0	0.41026805997274	1	2.00E-04	NA	NA	6.00E-04	0
NM_001143824	SLC38A4	0	0.41026805997274	1	2.00E-04	NA	NA	6.00E-04	0
NM_001130677	C17orf96	0	0.410722398909587	1	2.00E-04	NA	NA	6.00E-04	0
NM_033449	FCHSD1	0	0.41163107678328	1	2.00E-04	NA	NA	6.00E-04	0
NR_037580	TMEM222	0	0.412994093593821	1	2.00E-04	NA	NA	6.00E-04	0
NR_037577	TMEM222	0	0.412994093593821	1	2.00E-04	NA	NA	6.00E-04	0
NM_032125	TMEM222	0	0.412994093593821	1	2.00E-04	NA	NA	6.00E-04	0
NR_037576	TMEM222	0	0.412994093593821	1	2.00E-04	NA	NA	6.00E-04	0
NM_003368	USP1	0	0.413902771467515	1	2.00E-04	NA	NA	6.00E-04	0
NM_002163	IRF8	0	0.414811449341209	1	2.00E-04	NA	NA	6.00E-04	0
NR_103765	CAND1.11	0	0.415265788278055	1	2.00E-04	NA	NA	6.00E-04	0
NM_001042432	CLN3	0	0.415265788278055	1	2.00E-04	NA	NA	6.00E-04	0

NM_001795	<i>CDH5</i>	0	0.415720127214902	1	2.00E-04	NA	NA	6.00E-04	0
NM_145057	<i>CDC42EP5</i>	0	0.415720127214902	1	2.00E-04	NA	NA	6.00E-04	0
NM_001099625	<i>MTFR1L</i>	0	0.416628805088596	1	2.00E-04	NA	NA	6.00E-04	0
NM_001099627	<i>MTFR1L</i>	0	0.416628805088596	1	2.00E-04	NA	NA	6.00E-04	0
NM_138712	<i>PPARG</i>	0	0.416628805088596	1	2.00E-04	NA	NA	6.00E-04	0
NM_005037	<i>PPARG</i>	0	0.416628805088596	1	2.00E-04	NA	NA	6.00E-04	0
NM_001253792	<i>ZNF444</i>	0	0.41753748296229	1	2.00E-04	NA	NA	6.00E-04	0
NM_018337	<i>ZNF444</i>	0	0.41753748296229	1	2.00E-04	NA	NA	6.00E-04	0
NM_001195752	<i>THAP3</i>	0	0.417991821899137	1	2.00E-04	NA	NA	6.00E-04	0
NM_138350	<i>THAP3</i>	0	0.417991821899137	1	2.00E-04	NA	NA	6.00E-04	0
NM_152613	<i>WBP2NL</i>	0	0.417991821899137	1	2.00E-04	NA	NA	6.00E-04	0
NM_003432	<i>ZNF131</i>	0	0.418900499772831	1	2.00E-04	NA	NA	6.00E-04	0
NR_003923	<i>GUCY1B2</i>	0	0.419354838709677	1	2.00E-04	NA	NA	6.00E-04	0
NM_005218	<i>DEFB1</i>	0	0.419809177646524	1	2.00E-04	NA	NA	6.00E-04	0
NM_001039481	<i>ETNK1</i>	0	0.420717855520218	1	2.00E-04	NA	NA	6.00E-04	0
NM_018638	<i>ETNK1</i>	0	0.420717855520218	1	2.00E-04	NA	NA	6.00E-04	0
NM_001001709	<i>C9orf170</i>	0	0.420717855520218	1	2.00E-04	NA	NA	6.00E-04	0
NM_006827	<i>TMED10</i>	0	0.420717855520218	1	2.00E-04	NA	NA	6.00E-04	0
NM_001079526	<i>IKZF2</i>	0	0.420717855520218	1	2.00E-04	NA	NA	6.00E-04	0
NR_038310	<i>MIR497HG</i>	0	0.421172194457065	1	2.00E-04	NA	NA	6.00E-04	0
NM_001113378	<i>FANCI</i>	0	0.422989550204453	1	2.00E-04	NA	NA	6.00E-04	0
NM_018193	<i>FANCI</i>	0	0.422989550204453	1	2.00E-04	NA	NA	6.00E-04	0
NM_005565	<i>LCP2</i>	0	0.422989550204453	1	2.00E-04	NA	NA	6.00E-04	0
NR_103778	<i>FLG-AS1</i>	0	0.423443889141299	1	2.00E-04	NA	NA	6.00E-04	0
NM_014786	<i>ARHGEF17</i>	0	0.423898228078146	1	2.00E-04	NA	NA	6.00E-04	0
NM_001277732	<i>AOC3</i>	0	0.42480690595184	1	2.00E-04	NA	NA	6.00E-04	0
NM_003272	<i>GPR137B</i>	0	0.425715583825534	1	2.00E-04	NA	NA	6.00E-04	0
NM_001003675	<i>LDLRAD4</i>	0	0.426169922762381	1	2.00E-04	NA	NA	6.00E-04	0
NM_001003674	<i>LDLRAD4</i>	0	0.426169922762381	1	2.00E-04	NA	NA	6.00E-04	0
NR_026932	<i>PDCD4-AS1</i>	0	0.426624261699228	1	2.00E-04	NA	NA	6.00E-04	0
NM_022817	<i>PER2</i>	0	0.429804634257156	1	2.00E-04	NA	NA	6.00E-04	0
NM_020783	<i>SYT4</i>	0	0.43071331213085	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282631	<i>ARSE</i>	0	0.43071331213085	1	2.00E-04	NA	NA	6.00E-04	0
NM_014053	<i>FLVCR1</i>	0	0.431167651067697	1	2.00E-04	NA	NA	6.00E-04	0
NM_175698	<i>SSX2</i>	0	0.431167651067697	1	2.00E-04	NA	NA	6.00E-04	0
NM_003147	<i>SSX2</i>	0	0.431167651067697	1	2.00E-04	NA	NA	6.00E-04	0
NM_001164417	<i>SSX2B</i>	0	0.431167651067697	1	2.00E-04	NA	NA	6.00E-04	0
NM_001278701	<i>SSX2B</i>	0	0.431167651067697	1	2.00E-04	NA	NA	6.00E-04	0
NR_002439	<i>SNORD43</i>	0	0.431167651067697	1	2.00E-04	NA	NA	6.00E-04	0
NM_004100	<i>EYA4</i>	0	0.43207632894139	1	2.00E-04	NA	NA	6.00E-04	0
NM_172103	<i>EYA4</i>	0	0.43207632894139	1	2.00E-04	NA	NA	6.00E-04	0

NM_172105	EYA4	0	0.43207632894139	1	2.00E-04	NA	NA	6.00E-04	0
NR_027440	LOC100272217	0	0.43207632894139	1	2.00E-04	NA	NA	6.00E-04	0
NR_038979	LOC100506207	0.132212630622444	0.566560654248069	1	2.00E-04	NA	NA	6.00E-04	0
NR_038980	LOC100506207	0.132212630622444	0.566560654248069	1	2.00E-04	NA	NA	6.00E-04	0
NM_002959	SORT1	0	0.434802362562472	1	2.00E-04	NA	NA	6.00E-04	0
NM_020147	THAP10	0	0.435256701499318	1	2.00E-04	NA	NA	6.00E-04	0
NM_015148	PASK	0.093139482053612	0.528850522489777	1	2.00E-04	NA	NA	6.00E-04	0
NM_001252122	PASK	0.093139482053612	0.528850522489777	1	2.00E-04	NA	NA	6.00E-04	0
NM_001252119	PASK	0.093139482053612	0.528850522489777	1	2.00E-04	NA	NA	6.00E-04	0
NM_001252124	PASK	0.093139482053612	0.528850522489777	1	2.00E-04	NA	NA	6.00E-04	0
NM_201551	NELL1	0	0.438437074057247	1	2.00E-04	NA	NA	6.00E-04	0
NM_006157	NELL1	0	0.438437074057247	1	2.00E-04	NA	NA	6.00E-04	0
NM_015091	FAM179B	0.00318037255792821	0.443889141299409	1	2.00E-04	NA	NA	6.00E-04	0
NM_016531	KLF3	0	0.440708768741481	1	2.00E-04	NA	NA	6.00E-04	0
NR_033828	LOC100129931	0	0.440708768741481	1	2.00E-04	NA	NA	6.00E-04	0
NM_001205201	TEX28	0	0.441163107678328	1	2.00E-04	NA	NA	6.00E-04	0
NM_001586	TEX28	0	0.441163107678328	1	2.00E-04	NA	NA	6.00E-04	0
NM_005321	HIST1H1E	0	0.441617446615175	1	2.00E-04	NA	NA	6.00E-04	0
NM_001035	RYR2	0	0.442526124488869	1	2.00E-04	NA	NA	6.00E-04	0
NM_001987	ETV6	0	0.442980463425716	1	2.00E-04	NA	NA	6.00E-04	0
NM_001037582	SCD5	0	0.444343480236256	1	2.00E-04	NA	NA	6.00E-04	0
NM_024906	SCD5	0	0.444343480236256	1	2.00E-04	NA	NA	6.00E-04	0
NM_007178	STRAP	0	0.444797819173103	1	2.00E-04	NA	NA	6.00E-04	0
NM_080645	COL12A1	0	0.444797819173103	1	2.00E-04	NA	NA	6.00E-04	0
NM_004370	COL12A1	0	0.444797819173103	1	2.00E-04	NA	NA	6.00E-04	0
NR_027151	PRR26	0.159018627896411	0.604725124943208	0.9998	2.00E-04	NA	NA	6.00E-04	0
NR_024515	APLP2	0	0.445706497046797	1	2.00E-04	NA	NA	6.00E-04	0
NR_024516	APLP2	0	0.445706497046797	1	2.00E-04	NA	NA	6.00E-04	0
NM_001142278	APLP2	0	0.445706497046797	1	2.00E-04	NA	NA	6.00E-04	0
NM_001642	APLP2	0	0.445706497046797	1	2.00E-04	NA	NA	6.00E-04	0
NM_001142277	APLP2	0	0.445706497046797	1	2.00E-04	NA	NA	6.00E-04	0
NM_001142276	APLP2	0	0.445706497046797	1	2.00E-04	NA	NA	6.00E-04	0
NM_017803	DUS2	0	0.446160835983644	1	2.00E-04	NA	NA	6.00E-04	0
NM_001271762	DUS2	0	0.446160835983644	1	2.00E-04	NA	NA	6.00E-04	0
NM_001271763	DUS2	0	0.446160835983644	1	2.00E-04	NA	NA	6.00E-04	0
NM_014789	ZNF623	0	0.446160835983644	1	2.00E-04	NA	NA	6.00E-04	0
NM_018647	TNFRSF19	0	0.447978191731031	1	2.00E-04	NA	NA	6.00E-04	0
NM_001204458	TNFRSF19	0	0.447978191731031	1	2.00E-04	NA	NA	6.00E-04	0
NM_145341	PDCD4	0	0.449795547478419	1	2.00E-04	NA	NA	6.00E-04	0
NM_001199492	PDCD4	0	0.449795547478419	1	2.00E-04	NA	NA	6.00E-04	0
NM_014456	PDCD4	0	0.449795547478419	1	2.00E-04	NA	NA	6.00E-04	0

NM_052885	SLC2A13	0	0.450704225352113	1	2.00E-04	NA	NA	6.00E-04	0
NM_018140	CEP72	0	0.451612903225806	1	2.00E-04	NA	NA	6.00E-04	0
NM_014886	NSA2	0	0.451612903225806	1	2.00E-04	NA	NA	6.00E-04	0
NM_001271665	NSA2	0	0.451612903225806	1	2.00E-04	NA	NA	6.00E-04	0
NR_073403	NSA2	0	0.451612903225806	1	2.00E-04	NA	NA	6.00E-04	0
NM_152540	SCFD2	0	0.452975920036347	1	2.00E-04	NA	NA	6.00E-04	0
NR_002975	SNORA43	0	0.452975920036347	1	2.00E-04	NA	NA	6.00E-04	0
NM_006237	POU4F1	0	0.453430258973194	1	2.00E-04	NA	NA	6.00E-04	0
NR_036484	FEZF1-AS1	0	0.453884597910041	1	2.00E-04	NA	NA	6.00E-04	0
NM_001174103	SGK494	0	0.454338936846888	1	2.00E-04	NA	NA	6.00E-04	0
NM_014680	KIAA0100	0	0.454338936846888	1	2.00E-04	NA	NA	6.00E-04	0
NM_004098	EMX2	0	0.457519309404816	1	2.00E-04	NA	NA	6.00E-04	0
NM_001165924	EMX2	0	0.457519309404816	1	2.00E-04	NA	NA	6.00E-04	0
NM_203370	FAM212A	0	0.457519309404816	1	2.00E-04	NA	NA	6.00E-04	0
NM_001193635	DHRS4L2	0	0.45842798727851	1	2.00E-04	NA	NA	6.00E-04	0
NM_004578	RAB4A	0	0.461154020899591	1	2.00E-04	NA	NA	6.00E-04	0
NR_073545	RAB4A	0	0.461154020899591	1	2.00E-04	NA	NA	6.00E-04	0
NM_001271998	RAB4A	0	0.461154020899591	1	2.00E-04	NA	NA	6.00E-04	0
NR_001281	PCDHB18	0	0.461608359836438	1	2.00E-04	NA	NA	6.00E-04	0
NM_001193636	DHRS4L2	0	0.463425715583826	1	2.00E-04	NA	NA	6.00E-04	0
NM_001193637	DHRS4L2	0	0.463425715583826	1	2.00E-04	NA	NA	6.00E-04	0
NR_039752	MIR4526	0	0.463880054520672	1	2.00E-04	NA	NA	6.00E-04	0
NM_001193508	REST	0	0.463880054520672	1	2.00E-04	NA	NA	6.00E-04	0
NM_014400	LYPD3	0	0.463880054520672	1	2.00E-04	NA	NA	6.00E-04	0
NM_152376	UBXN10	0	0.464334393457519	1	2.00E-04	NA	NA	6.00E-04	0
NR_026926	LOC151174	0	0.464334393457519	1	2.00E-04	NA	NA	6.00E-04	0
NR_026925	LOC151174	0	0.464334393457519	1	2.00E-04	NA	NA	6.00E-04	0
NR_046285	LOC100130744	0	0.464788732394366	1	2.00E-04	NA	NA	6.00E-04	0
NM_006049	SNAPC5	0	0.464788732394366	1	2.00E-04	NA	NA	6.00E-04	0
NM_002774	KLK6	0	0.465243071331213	1	2.00E-04	NA	NA	6.00E-04	0
NR_030331	MIR600	0	0.466151749204907	1	2.00E-04	NA	NA	6.00E-04	0
NM_182508	FAM216B	0	0.467514766015448	1	2.00E-04	NA	NA	6.00E-04	0
NM_014287	NOMO1	0	0.467514766015448	1	2.00E-04	NA	NA	6.00E-04	0
NM_001160264	FEZF1	0	0.468423443889141	1	2.00E-04	NA	NA	6.00E-04	0
NM_001024613	FEZF1	0	0.468423443889141	1	2.00E-04	NA	NA	6.00E-04	0
NM_001142315	LMO2	0	0.470240799636529	1	2.00E-04	NA	NA	6.00E-04	0
NM_020327	ACVR1B	0	0.471149477510223	1	2.00E-04	NA	NA	6.00E-04	0
NM_003385	VSNL1	0	0.476147205815538	1	2.00E-04	NA	NA	6.00E-04	0
NM_001038707	CDC42SE1	0	0.476601544752385	1	2.00E-04	NA	NA	6.00E-04	0
NM_020239	CDC42SE1	0	0.476601544752385	1	2.00E-04	NA	NA	6.00E-04	0
NM_016306	DNAJB11	0	0.477964561562926	1	2.00E-04	NA	NA	6.00E-04	0

NM_001142415	<i>AIMP1</i>	0	0.477964561562926	1	2.00E-04	NA	NA	6.00E-04	0
NM_004757	<i>AIMP1</i>	0	0.477964561562926	1	2.00E-04	NA	NA	6.00E-04	0
NM_001040283	<i>DMRTC2</i>	0	0.479327578373467	1	2.00E-04	NA	NA	6.00E-04	0
NM_001172478	<i>RRM2B</i>	0	0.479327578373467	1	2.00E-04	NA	NA	6.00E-04	0
NM_001172477	<i>RRM2B</i>	0	0.479327578373467	1	2.00E-04	NA	NA	6.00E-04	0
NM_015713	<i>RRM2B</i>	0	0.479327578373467	1	2.00E-04	NA	NA	6.00E-04	0
NM_017655	<i>GIPC2</i>	0	0.481144934120854	1	2.00E-04	NA	NA	6.00E-04	0
NM_144585	<i>SLC22A12</i>	0	0.482053611994548	1	2.00E-04	NA	NA	6.00E-04	0
NM_153378	<i>SLC22A12</i>	0	0.482053611994548	1	2.00E-04	NA	NA	6.00E-04	0
NM_001276327	<i>SLC22A12</i>	0	0.482053611994548	1	2.00E-04	NA	NA	6.00E-04	0
NM_001276326	<i>SLC22A12</i>	0	0.482053611994548	1	2.00E-04	NA	NA	6.00E-04	0
NM_017533	<i>MYH4</i>	0	0.483416628805089	1	2.00E-04	NA	NA	6.00E-04	0
NM_001164811	<i>PET117</i>	0	0.485688323489323	1	2.00E-04	NA	NA	6.00E-04	0
NM_015072	<i>TLL5</i>	0	0.486597001363017	1	2.00E-04	NA	NA	6.00E-04	0
NM_152704	<i>AMER2</i>	0	0.487960018173557	1	2.00E-04	NA	NA	6.00E-04	0
NM_199138	<i>AMER2</i>	0	0.487960018173557	1	2.00E-04	NA	NA	6.00E-04	0
NM_001256236	<i>PGAP2</i>	0	0.493866424352567	1	2.00E-04	NA	NA	6.00E-04	0
NR_045923	<i>PGAP2</i>	0	0.493866424352567	1	2.00E-04	NA	NA	6.00E-04	0
NM_001145438	<i>PGAP2</i>	0	0.493866424352567	1	2.00E-04	NA	NA	6.00E-04	0
NM_001256235	<i>PGAP2</i>	0	0.493866424352567	1	2.00E-04	NA	NA	6.00E-04	0
NM_001256237	<i>PGAP2</i>	0	0.493866424352567	1	2.00E-04	NA	NA	6.00E-04	0
NR_027017	<i>PGAP2</i>	0	0.493866424352567	1	2.00E-04	NA	NA	6.00E-04	0
NR_045927	<i>PGAP2</i>	0	0.493866424352567	1	2.00E-04	NA	NA	6.00E-04	0
NR_045926	<i>PGAP2</i>	0	0.493866424352567	1	2.00E-04	NA	NA	6.00E-04	0
NR_045925	<i>PGAP2</i>	0	0.493866424352567	1	2.00E-04	NA	NA	6.00E-04	0
NM_001283038	<i>PGAP2</i>	0	0.493866424352567	1	2.00E-04	NA	NA	6.00E-04	0
NM_001283039	<i>PGAP2</i>	0	0.493866424352567	1	2.00E-04	NA	NA	6.00E-04	0
NM_001283040	<i>PGAP2</i>	0	0.493866424352567	1	2.00E-04	NA	NA	6.00E-04	0
NR_104270	<i>PGAP2</i>	0	0.493866424352567	1	2.00E-04	NA	NA	6.00E-04	0
NR_104271	<i>PGAP2</i>	0	0.493866424352567	1	2.00E-04	NA	NA	6.00E-04	0
NM_001273	<i>CHD4</i>	0	0.493866424352567	1	2.00E-04	NA	NA	6.00E-04	0
NM_014978	<i>SORCS3</i>	0	0.494320763289414	1	2.00E-04	NA	NA	6.00E-04	0
NR_033933	<i>GOLGA8T</i>	0	0.494320763289414	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282412	<i>PPP1R7</i>	0	0.494320763289414	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282414	<i>PPP1R7</i>	0	0.494320763289414	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282413	<i>PPP1R7</i>	0	0.494320763289414	1	2.00E-04	NA	NA	6.00E-04	0
NM_001243386	<i>PARVB</i>	0	0.497501135847342	1	2.00E-04	NA	NA	6.00E-04	0
NM_174928	<i>N6AMT2</i>	0	0.497501135847342	1	2.00E-04	NA	NA	6.00E-04	0
NM_030919	<i>FAM83D</i>	0	0.502498864152658	1	2.00E-04	NA	NA	6.00E-04	0
NM_001135652	<i>EIF2AK2</i>	0	0.505224897773739	1	2.00E-04	NA	NA	6.00E-04	0
NM_001017416	<i>USP1</i>	0	0.506133575647433	1	2.00E-04	NA	NA	6.00E-04	0

NM_001017415	<i>USP1</i>	0	0.506133575647433	1	2.00E-04	NA	NA	6.00E-04	0
NM_182626	<i>C2orf48</i>	0	0.506133575647433	1	2.00E-04	NA	NA	6.00E-04	0
NM_006403	<i>NEDD9</i>	0	0.506133575647433	1	2.00E-04	NA	NA	6.00E-04	0
NM_182966	<i>NEDD9</i>	0	0.506133575647433	1	2.00E-04	NA	NA	6.00E-04	0
NM_001271033	<i>NEDD9</i>	0	0.506133575647433	1	2.00E-04	NA	NA	6.00E-04	0
NM_182594	<i>ZNF454</i>	0	0.507042253521127	1	2.00E-04	NA	NA	6.00E-04	0
NM_001178090	<i>ZNF454</i>	0	0.507042253521127	1	2.00E-04	NA	NA	6.00E-04	0
NM_001178089	<i>ZNF454</i>	0	0.507042253521127	1	2.00E-04	NA	NA	6.00E-04	0
NM_004551	<i>NDUFS3</i>	0	0.507496592457974	1	2.00E-04	NA	NA	6.00E-04	0
NM_001195753	<i>THAP3</i>	0	0.508405270331667	1	2.00E-04	NA	NA	6.00E-04	0
NM_001079538	<i>XAGE2B</i>	0	0.509313948205361	1	2.00E-04	NA	NA	6.00E-04	0
NM_000955	<i>PTGER1</i>	0	0.510222626079055	1	2.00E-04	NA	NA	6.00E-04	0
NM_001901	<i>CTGF</i>	0	0.510676965015902	1	2.00E-04	NA	NA	6.00E-04	0
NM_001394	<i>DUSP4</i>	0	0.511131303952749	1	2.00E-04	NA	NA	6.00E-04	0
NM_015401	<i>HDAC7</i>	0	0.513402998636983	1	2.00E-04	NA	NA	6.00E-04	0
NM_001098416	<i>HDAC7</i>	0	0.513402998636983	1	2.00E-04	NA	NA	6.00E-04	0
NM_017544	<i>NKRF</i>	0	0.514766015447524	1	2.00E-04	NA	NA	6.00E-04	0
NM_001173487	<i>NKRF</i>	0	0.514766015447524	1	2.00E-04	NA	NA	6.00E-04	0
NM_015372	<i>C22orf24</i>	0	0.517492049068605	1	2.00E-04	NA	NA	6.00E-04	0
NM_001199303	<i>CNOT2</i>	0	0.522035438437074	1	2.00E-04	NA	NA	6.00E-04	0
NR_037615	<i>CNOT2</i>	0	0.522035438437074	1	2.00E-04	NA	NA	6.00E-04	0
NM_184041	<i>ALDOA</i>	0	0.525670149931849	1	2.00E-04	NA	NA	6.00E-04	0
NM_001243177	<i>ALDOA</i>	0	0.525670149931849	1	2.00E-04	NA	NA	6.00E-04	0
NM_152990	<i>PXT1</i>	0	0.52703316674239	1	2.00E-04	NA	NA	6.00E-04	0
NM_198837	<i>ACACA</i>	0	0.528850522489777	1	2.00E-04	NA	NA	6.00E-04	0
NM_198838	<i>ACACA</i>	0	0.528850522489777	1	2.00E-04	NA	NA	6.00E-04	0
NR_029378	<i>LOC100289511</i>	0	0.530213539300318	1	2.00E-04	NA	NA	6.00E-04	0
NM_006319	<i>CDIPT</i>	0	0.531122217174012	1	2.00E-04	NA	NA	6.00E-04	0
NM_001144758	<i>PHLDB1</i>	0	0.532030895047706	1	2.00E-04	NA	NA	6.00E-04	0
NM_001144759	<i>PHLDB1</i>	0	0.532030895047706	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282410	<i>PPP1R7</i>	0	0.532939572921399	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282411	<i>PPP1R7</i>	0	0.532939572921399	1	2.00E-04	NA	NA	6.00E-04	0
NM_001282409	<i>PPP1R7</i>	0	0.532939572921399	1	2.00E-04	NA	NA	6.00E-04	0
NM_002712	<i>PPP1R7</i>	0	0.532939572921399	1	2.00E-04	NA	NA	6.00E-04	0
NM_001142316	<i>LMO2</i>	0	0.532939572921399	1	2.00E-04	NA	NA	6.00E-04	0
NR_037776	<i>WBSCR22</i>	0	0.533393911858246	1	2.00E-04	NA	NA	6.00E-04	0
NM_001202560	<i>WBSCR22</i>	0	0.533393911858246	1	2.00E-04	NA	NA	6.00E-04	0
NR_045512	<i>WBSCR22</i>	0	0.533393911858246	1	2.00E-04	NA	NA	6.00E-04	0
NM_017528	<i>WBSCR22</i>	0	0.533393911858246	1	2.00E-04	NA	NA	6.00E-04	0
NM_001103184	<i>FMN1</i>	0	0.533393911858246	1	2.00E-04	NA	NA	6.00E-04	0
NM_003924	<i>PHOX2B</i>	0	0.537482962289868	1	2.00E-04	NA	NA	6.00E-04	0



NM_001002916	<i>H2BFWT</i>	0	0.539754656974103	1	2.00E-04	NA	NA	6.00E-04	0
NR_024347	<i>LINC00304</i>	0	0.543389368468878	1	2.00E-04	NA	NA	6.00E-04	0
NM_001097622	<i>OCM</i>	0	0.551567469332122	1	2.00E-04	NA	NA	6.00E-04	0
NM_012244	<i>SLC7A8</i>	0	0.558382553384825	1	2.00E-04	NA	NA	6.00E-04	0
NM_170610	<i>HIST1H2BA</i>	0.0218082689686506	0.580645161290323	1	2.00E-04	NA	NA	6.00E-04	0
NM_173506	<i>LYPD4</i>	0	0.56065424806906	1	2.00E-04	NA	NA	6.00E-04	0
NM_014755	<i>SERTAD2</i>	0	0.561562925942753	1	2.00E-04	NA	NA	6.00E-04	0
NM_005924	<i>MEOX2</i>	0	0.561562925942753	1	2.00E-04	NA	NA	6.00E-04	0
NR_037699	<i>SAFB</i>	0	0.568378009995457	1	2.00E-04	NA	NA	6.00E-04	0
NM_002967	<i>SAFB</i>	0	0.568378009995457	1	2.00E-04	NA	NA	6.00E-04	0
NM_001201340	<i>SAFB</i>	0	0.568378009995457	1	2.00E-04	NA	NA	6.00E-04	0
NM_001201338	<i>SAFB</i>	0	0.568378009995457	1	2.00E-04	NA	NA	6.00E-04	0
NM_001201339	<i>SAFB</i>	0	0.568378009995457	1	2.00E-04	NA	NA	6.00E-04	0
NM_001145158	<i>HBS1L</i>	0	0.570195365742844	1	2.00E-04	NA	NA	6.00E-04	0
NM_006620	<i>HBS1L</i>	0	0.570195365742844	1	2.00E-04	NA	NA	6.00E-04	0
NM_001145207	<i>HBS1L</i>	0	0.570195365742844	1	2.00E-04	NA	NA	6.00E-04	0
NM_014515	<i>CNOT2</i>	0	0.574284416174466	1	2.00E-04	NA	NA	6.00E-04	0
NM_001199302	<i>CNOT2</i>	0	0.574284416174466	1	2.00E-04	NA	NA	6.00E-04	0
NM_006150	<i>PRICKLE3</i>	0	0.577464788732394	1	2.00E-04	NA	NA	6.00E-04	0
NR_003003	<i>SCARNA17</i>	0	0.577919127669241	1	2.00E-04	NA	NA	6.00E-04	0
NM_001122961	<i>C1orf194</i>	0	0.580190822353476	1	2.00E-04	NA	NA	6.00E-04	0
NM_004745	<i>DLGAP2</i>	0	0.58246251703771	1	2.00E-04	NA	NA	6.00E-04	0
NM_001277161	<i>DLGAP2</i>	0	0.58246251703771	1	2.00E-04	NA	NA	6.00E-04	0
NM_001025108	<i>AFF3</i>	0	0.58246251703771	1	2.00E-04	NA	NA	6.00E-04	0
NM_172242	<i>SPAG6</i>	0	0.584734211721945	1	2.00E-04	NA	NA	6.00E-04	0
NM_001253855	<i>SPAG6</i>	0	0.584734211721945	1	2.00E-04	NA	NA	6.00E-04	0
NM_001253854	<i>SPAG6</i>	0	0.584734211721945	1	2.00E-04	NA	NA	6.00E-04	0
NM_012443	<i>SPAG6</i>	0	0.584734211721945	1	2.00E-04	NA	NA	6.00E-04	0
NR_027000	<i>LINC00965</i>	0	0.587460245343026	1	2.00E-04	NA	NA	6.00E-04	0
NM_016131	<i>RAB10</i>	0	0.59563834620627	1	2.00E-04	NA	NA	6.00E-04	0
NM_001105513	<i>TTC21A</i>	0	0.599727396637892	1	2.00E-04	NA	NA	6.00E-04	0
NM_145755	<i>TTC21A</i>	0	0.599727396637892	1	2.00E-04	NA	NA	6.00E-04	0
NR_034086	<i>LOC648987</i>	0	0.600636074511586	1	2.00E-04	NA	NA	6.00E-04	0
NR_034085	<i>LOC648987</i>	0	0.600636074511586	1	2.00E-04	NA	NA	6.00E-04	0
NM_004369	<i>COL6A3</i>	0	0.615629259427533	1	2.00E-04	NA	NA	6.00E-04	0
NM_057164	<i>COL6A3</i>	0	0.615629259427533	1	2.00E-04	NA	NA	6.00E-04	0
NM_057165	<i>COL6A3</i>	0	0.615629259427533	1	2.00E-04	NA	NA	6.00E-04	0
NM_057166	<i>COL6A3</i>	0	0.615629259427533	1	2.00E-04	NA	NA	6.00E-04	0
NM_057167	<i>COL6A3</i>	0	0.615629259427533	1	2.00E-04	NA	NA	6.00E-04	0
NM_053001	<i>OSR2</i>	0	0.642435256701499	1	2.00E-04	NA	NA	6.00E-04	0
NM_001142462	<i>OSR2</i>	0	0.642435256701499	1	2.00E-04	NA	NA	6.00E-04	0

NM_001256312	<i>STK3</i>	0	0.643343934575193	1	2.00E-04	NA	NA	6.00E-04	0
NM_001184898	<i>PHF8</i>	0	0.643343934575193	1	2.00E-04	NA	NA	6.00E-04	0
NR_102741	<i>LINC01024</i>	0	0.652885052248978	1	2.00E-04	NA	NA	6.00E-04	0
NR_102740	<i>LINC01024</i>	0	0.652885052248978	1	2.00E-04	NA	NA	6.00E-04	0
NR_102739	<i>LINC01024</i>	0	0.652885052248978	1	2.00E-04	NA	NA	6.00E-04	0
NM_004503	<i>HOXC6</i>	0	0.66424352567015	1	2.00E-04	NA	NA	6.00E-04	0
NM_002250	<i>KCNN4</i>	0	0.683780099954566	1	2.00E-04	NA	NA	6.00E-04	0
NM_001271318	<i>ZNF512</i>	0	0.731940027260336	1	2.00E-04	NA	NA	6.00E-04	0
NM_032434	<i>ZNF512</i>	0	0.731940027260336	1	2.00E-04	NA	NA	6.00E-04	0
NM_001271288	<i>ZNF512</i>	0	0.731940027260336	1	2.00E-04	NA	NA	6.00E-04	0
NM_001271287	<i>ZNF512</i>	0	0.731940027260336	1	2.00E-04	NA	NA	6.00E-04	0
NM_001271289	<i>ZNF512</i>	0	0.731940027260336	1	2.00E-04	NA	NA	6.00E-04	0
NM_001271286	<i>ZNF512</i>	0	0.731940027260336	1	2.00E-04	NA	NA	6.00E-04	0
NR_103538	<i>C6orf100</i>	0	0.761017719218537	1	2.00E-04	NA	NA	6.00E-04	0
NR_027259	<i>RBM12B-AS1</i>	0	0.787369377555657	1	2.00E-04	NA	NA	6.00E-04	0
NM_001204197	<i>NBEA</i>	0	0.95184007269423	1	2.00E-04	NA	NA	6.00E-04	0

Table S2: Methylation data showing differential methylated transcripts between SAT and OVAT in obese subjects expressed by a ratio of hyper- and hypo-methylation per promoter. *fdr/FDR*= false discovery rate.

Supplementary Table 3

**Methylation in SAT non-obese vs. obese**

Transcript	GeneName	sc_in_obese	sc_in_non-obese	p_value_in_obese	p_value_in_non-obese	fdr_in_obese	Fdr_in_obese	fdr_in_non-obese	Fdr_in_non-obese
NR_103466	<i>NBPF13P</i>	1	0	2.00E-04	1	0.0014	0	NA	NA
NR_000016	<i>SNORD36C</i>	0.955474784189005	0	2.00E-04	1	0.0014	0	NA	NA
NM_001099338	<i>NUTM2A</i>	0.935483870967742	0	2.00E-04	1	0.0014	0	NA	NA
NM_001037331	<i>SMIM21</i>	0.927760109041345	0	2.00E-04	1	0.0014	0	NA	NA
NR_003506	<i>PLGLA</i>	0.89641072239891	0	2.00E-04	1	0.0014	0	NA	NA
NM_004009	<i>DMD</i>	0.882326215356656	0	2.00E-04	1	0.0014	0	NA	NA
NM_004010	<i>DMD</i>	0.882326215356656	0	2.00E-04	1	0.0014	0	NA	NA
NM_001278495	<i>NUTM2B</i>	0.864152657882781	0	2.00E-04	1	0.0014	0	NA	NA
NM_001281429	<i>PCED1B</i>	0.848250795093139	0	2.00E-04	1	0.0014	0	NA	NA
NM_138371	<i>PCED1B</i>	0.848250795093139	0	2.00E-04	1	0.0014	0	NA	NA
NM_014717	<i>ZNF536</i>	0.847796456156293	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004697	<i>OR2T5</i>	0.846433439345752	0	2.00E-04	1	0.0014	0	NA	NA
NM_002665	<i>PLGLB2</i>	0.77373920945025	0	2.00E-04	1	0.0014	0	NA	NA
NM_001032392	<i>PLGLB1</i>	0.77373920945025	0	2.00E-04	1	0.0014	0	NA	NA
NM_020436	<i>SALL4</i>	0.762835074965925	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004719	<i>OR4M2</i>	0.744661517492049	0	2.00E-04	1	0.0014	0	NA	NA
NM_020987	<i>ANK3</i>	0.742844161744662	0	2.00E-04	1	0.0014	0	NA	NA
NM_133637	<i>DQX1</i>	0.733303044070877	0	2.00E-04	1	0.0014	0	NA	NA
NM_001145672	<i>SORBS2</i>	0.729213993639255	0	2.00E-04	1	0.0014	0	NA	NA
NM_001177704	<i>FREM1</i>	0.722853248523398	0	2.00E-04	1	0.0014	0	NA	NA
NM_001005495	<i>OR2T3</i>	0.714220808723308	0	2.00E-04	1	0.0014	0	NA	NA
NM_001258211	<i>FBXO16</i>	0.698773284870513	0	2.00E-04	1	0.0014	0	NA	NA
NM_172366	<i>FBXO16</i>	0.698773284870513	0	2.00E-04	1	0.0014	0	NA	NA
NM_145312	<i>ZNF485</i>	0.696955929123126	0	2.00E-04	1	0.0014	0	NA	NA
NM_015025	<i>MYT1L</i>	0.693321217628351	0	2.00E-04	1	0.0014	0	NA	NA
NM_022728	<i>NEUROD6</i>	0.690595184007269	0	2.00E-04	1	0.0014	0	NA	NA
NM_001122731	<i>MICAL3</i>	0.685143116765107	0	2.00E-04	1	0.0014	0	NA	NA
NM_001136004	<i>MICAL3</i>	0.685143116765107	0	2.00E-04	1	0.0014	0	NA	NA
NM_178556	<i>TRIML1</i>	0.683325761017719	0	2.00E-04	1	0.0014	0	NA	NA
NM_001145671	<i>SORBS2</i>	0.683325761017719	0	2.00E-04	1	0.0014	0	NA	NA
NM_002187	<i>IL12B</i>	0.683325761017719	0	2.00E-04	1	0.0014	0	NA	NA
NM_144575	<i>CAPN13</i>	0.67878237164925	0	2.00E-04	1	0.0014	0	NA	NA
NM_005454	<i>CER1</i>	0.678328032712403	0	2.00E-04	1	0.0014	0	NA	NA
NR_002448	<i>SNORD36A</i>	0.778282598818719	0.104043616537937	2.00E-04	1	0.0014	0	NA	NA
NM_003915	<i>CPNE1</i>	0.673784643343935	0	2.00E-04	1	0.0014	0	NA	NA
NM_152536	<i>FGD5</i>	0.66424352567015	0	2.00E-04	1	0.0014	0	NA	NA
NM_152284	<i>CHMP4C</i>	0.662880508859609	0	2.00E-04	1	0.0014	0	NA	NA
NM_001159484	<i>NUP210L</i>	0.661517492049069	0	2.00E-04	1	0.0014	0	NA	NA
NM_207308	<i>NUP210L</i>	0.661517492049069	0	2.00E-04	1	0.0014	0	NA	NA
NM_001251	<i>CD68</i>	0.651976374375284	0	2.00E-04	1	0.0014	0	NA	NA

NM_001040059	CD68	0.651522035438437	0	2.00E-04	1	0.0014	0	NA	NA
NM_181504	PIK3R1	0.651522035438437	0	2.00E-04	1	0.0014	0	NA	NA
NM_001145049	GPN1	0.642889595638346	0	2.00E-04	1	0.0014	0	NA	NA
NM_001145048	GPN1	0.642889595638346	0	2.00E-04	1	0.0014	0	NA	NA
NM_001145047	GPN1	0.642889595638346	0	2.00E-04	1	0.0014	0	NA	NA
NR_045125	HIST1H2APS1	0.642889595638346	0	2.00E-04	1	0.0014	0	NA	NA
NR_033738	LOC440300	0.635165833711949	0	2.00E-04	1	0.0014	0	NA	NA
NM_001164464	TRIM43B	0.635165833711949	0	2.00E-04	1	0.0014	0	NA	NA
NM_153208	IQCK	0.634257155838255	0	2.00E-04	1	0.0014	0	NA	NA
NM_030582	COL18A1	0.628350749659246	0	2.00E-04	1	0.0014	0	NA	NA
NM_001099435	SPDYE5	0.61608359836438	0	2.00E-04	1	0.0014	0	NA	NA
NM_175722	TPO	0.614720581553839	0	2.00E-04	1	0.0014	0	NA	NA
NM_175721	TPO	0.614720581553839	0	2.00E-04	1	0.0014	0	NA	NA
NM_033425	DIXDC1	0.613811903680145	0	2.00E-04	1	0.0014	0	NA	NA
NM_080918	DGUOK	0.609268514311677	0	2.00E-04	1	0.0014	0	NA	NA
NM_080916	DGUOK	0.609268514311677	0	2.00E-04	1	0.0014	0	NA	NA
NM_001164347	ZBTB20	0.606542480690595	0	2.00E-04	1	0.0014	0	NA	NA
NM_000949	PRLR	0.606088141753748	0	2.00E-04	1	0.0014	0	NA	NA
NM_001160036	RHOBTB2	0.601090413448433	0	2.00E-04	1	0.0014	0	NA	NA
NM_001099692	EIF5AL1	0.599273057701045	0	2.00E-04	1	0.0014	0	NA	NA
NM_006403	NEDD9	0.595184007269423	0	2.00E-04	1	0.0014	0	NA	NA
NM_182966	NEDD9	0.595184007269423	0	2.00E-04	1	0.0014	0	NA	NA
NM_001271033	NEDD9	0.595184007269423	0	2.00E-04	1	0.0014	0	NA	NA
NM_005042	PRH2	0.594275329395729	0	2.00E-04	1	0.0014	0	NA	NA
NM_001110213	PRH2	0.593820990458882	0	2.00E-04	1	0.0014	0	NA	NA
NM_000304	PMP22	0.591549295774648	0	2.00E-04	1	0.0014	0	NA	NA
NR_104017	PMP22	0.591549295774648	0	2.00E-04	1	0.0014	0	NA	NA
NR_104018	PMP22	0.591549295774648	0	2.00E-04	1	0.0014	0	NA	NA
NM_001281456	PMP22	0.591549295774648	0	2.00E-04	1	0.0014	0	NA	NA
NM_001168359	TDRD6	0.591094956837801	0	2.00E-04	1	0.0014	0	NA	NA
NM_001010870	TDRD6	0.591094956837801	0	2.00E-04	1	0.0014	0	NA	NA
NM_080610	CST9L	0.589277601090413	0	2.00E-04	1	0.0014	0	NA	NA
NM_005223	DNASE1	0.587460245343026	0	2.00E-04	1	0.0014	0	NA	NA
NM_006664	CCL27	0.587005906406179	0	2.00E-04	1	0.0014	0	NA	NA
NM_012184	FOXD4L1	0.586551567469332	0	2.00E-04	1	0.0014	0	NA	NA
NR_015407	LOC339535	0.586097228532485	0	2.00E-04	1	0.0014	0	NA	NA
NM_003611	OFD1	0.581553839164016	0	2.00E-04	1	0.0014	0	NA	NA
NM_002141	HOXA4	0.581553839164016	0	2.00E-04	1	0.0014	0	NA	NA
NR_002912	SNORA67	0.581099500227169	0	2.00E-04	1	0.0014	0	NA	NA
NR_037647	FOXRED1	0.579282144479782	0	2.00E-04	1	0.0014	0	NA	NA
NM_017547	FOXRED1	0.579282144479782	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004457	OR1N2	0.578373466606088	0	2.00E-04	1	0.0014	0	NA	NA
NM_001001919	OR13C4	0.574284416174466	0	2.00E-04	1	0.0014	0	NA	NA
NR_038369	LINC00487	0.571104043616538	0	2.00E-04	1	0.0014	0	NA	NA

NM_001243704	ZBTB14	0.56792367105861	0	2.00E-04	1	0.0014	0	NA	NA
NM_014729	TOX	0.56792367105861	0	2.00E-04	1	0.0014	0	NA	NA
NM_058206	SPAG11B	0.566560654248069	0	2.00E-04	1	0.0014	0	NA	NA
NM_058207	SPAG11B	0.566560654248069	0	2.00E-04	1	0.0014	0	NA	NA
NM_030650	KIAA1715	0.564288959563835	0	2.00E-04	1	0.0014	0	NA	NA
NM_030661	HOXA3	0.5620172648796	0	2.00E-04	1	0.0014	0	NA	NA
NM_006735	HOXA2	0.56065424806906	0	2.00E-04	1	0.0014	0	NA	NA
NM_004505	USP6	0.559745570195366	0	2.00E-04	1	0.0014	0	NA	NA
NR_027711	OR5E1P	0.558836892321672	0	2.00E-04	1	0.0014	0	NA	NA
NM_032041	NCALD	0.558836892321672	0	2.00E-04	1	0.0014	0	NA	NA
NR_026735	GPN1	0.557019536574284	0	2.00E-04	1	0.0014	0	NA	NA
NM_007266	GPN1	0.557019536574284	0	2.00E-04	1	0.0014	0	NA	NA
NM_001002923	IGFL4	0.557019536574284	0	2.00E-04	1	0.0014	0	NA	NA
NM_001197220	PDE4D	0.553384825079509	0	2.00E-04	1	0.0014	0	NA	NA
NM_001446	FABP7	0.552930486142662	0	2.00E-04	1	0.0014	0	NA	NA
NR_031697	MIR1284	0.552021808268969	0	2.00E-04	1	0.0014	0	NA	NA
NM_001097622	OCM	0.551567469332122	0	2.00E-04	1	0.0014	0	NA	NA
NR_039846	MIR4697	0.551113130395275	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004694	OR2T29	0.550658791458428	0	2.00E-04	1	0.0014	0	NA	NA
NM_080387	CLEC4D	0.54884143571104	0	2.00E-04	1	0.0014	0	NA	NA
NM_001114094	BLNK	0.54884143571104	0	2.00E-04	1	0.0014	0	NA	NA
NM_013314	BLNK	0.54884143571104	0	2.00E-04	1	0.0014	0	NA	NA
NM_203373	FBXL22	0.547932757837347	0	2.00E-04	1	0.0014	0	NA	NA
NM_000396	CTSK	0.545661063153112	0	2.00E-04	1	0.0014	0	NA	NA
NM_172003	CBWD2	0.542935029532031	0	2.00E-04	1	0.0014	0	NA	NA
NM_024865	NANOG	0.542480690595184	0	2.00E-04	1	0.0014	0	NA	NA
NM_022359	PDE4DIP	0.542480690595184	0	2.00E-04	1	0.0014	0	NA	NA
NR_036209	MIR4324	0.540663334847796	0	2.00E-04	1	0.0014	0	NA	NA
NM_001127454	DFNA5	0.540663334847796	0	2.00E-04	1	0.0014	0	NA	NA
NM_001127453	DFNA5	0.540663334847796	0	2.00E-04	1	0.0014	0	NA	NA
NM_004403	DFNA5	0.540663334847796	0	2.00E-04	1	0.0014	0	NA	NA
NM_178822	IGSF10	0.54020899591095	0	2.00E-04	1	0.0014	0	NA	NA
NM_152622	MIER3	0.54020899591095	0	2.00E-04	1	0.0014	0	NA	NA
NM_001111018	NAV2	0.539300318037256	0	2.00E-04	1	0.0014	0	NA	NA
NM_001851	COL9A1	0.537482962289868	0	2.00E-04	1	0.0014	0	NA	NA
NM_012205	HAAO	0.537028623353021	0	2.00E-04	1	0.0014	0	NA	NA
NM_004560	ROR2	0.536574284416174	0	2.00E-04	1	0.0014	0	NA	NA
NM_001243723	SETMAR	0.535211267605634	0	2.00E-04	1	0.0014	0	NA	NA
NM_006515	SETMAR	0.535211267605634	0	2.00E-04	1	0.0014	0	NA	NA
NM_001276325	SETMAR	0.535211267605634	0	2.00E-04	1	0.0014	0	NA	NA
NR_075073	SETMAR	0.535211267605634	0	2.00E-04	1	0.0014	0	NA	NA
NM_001369	DNAH5	0.535211267605634	0	2.00E-04	1	0.0014	0	NA	NA
NM_019602	BTNL2	0.533393911858246	0	2.00E-04	1	0.0014	0	NA	NA
NM_182913	SYNE2	0.532030895047706	0	2.00E-04	1	0.0014	0	NA	NA

NM_024751	GSTCD	0.532030895047706	0	2.00E-04	1	0.0014	0	NA	NA
NR_037648	FOXRED1	0.531576556110859	0	2.00E-04	1	0.0014	0	NA	NA
NM_024410	ODF1	0.528850522489777	0	2.00E-04	1	0.0014	0	NA	NA
NR_033942	ARHGEF34P	0.526578827805543	0	2.00E-04	1	0.0014	0	NA	NA
NM_147180	PPP3R2	0.526578827805543	0	2.00E-04	1	0.0014	0	NA	NA
NM_000601	HGF	0.525670149931849	0	2.00E-04	1	0.0014	0	NA	NA
NM_001010933	HGF	0.525670149931849	0	2.00E-04	1	0.0014	0	NA	NA
NM_001010931	HGF	0.525670149931849	0	2.00E-04	1	0.0014	0	NA	NA
NM_001010934	HGF	0.525670149931849	0	2.00E-04	1	0.0014	0	NA	NA
NM_001010932	HGF	0.525670149931849	0	2.00E-04	1	0.0014	0	NA	NA
NM_000220	KCNJ1	0.524307133121308	0	2.00E-04	1	0.0014	0	NA	NA
NM_006576	AVIL	0.522944116310768	0	2.00E-04	1	0.0014	0	NA	NA
NR_000011	SNORA70	0.583825533848251	0.0622444343480236	2.00E-04	1	0.0014	0	NA	NA
NM_001258442	BLNK	0.521581099500227	0	2.00E-04	1	0.0014	0	NA	NA
NM_001258441	BLNK	0.521581099500227	0	2.00E-04	1	0.0014	0	NA	NA
NM_001258440	BLNK	0.521581099500227	0	2.00E-04	1	0.0014	0	NA	NA
NR_047683	BLNK	0.521581099500227	0	2.00E-04	1	0.0014	0	NA	NA
NR_047682	BLNK	0.521581099500227	0	2.00E-04	1	0.0014	0	NA	NA
NR_047681	BLNK	0.521581099500227	0	2.00E-04	1	0.0014	0	NA	NA
NR_047680	BLNK	0.521581099500227	0	2.00E-04	1	0.0014	0	NA	NA
NM_001244984	SEL1L	0.521581099500227	0	2.00E-04	1	0.0014	0	NA	NA
NM_005065	SEL1L	0.521581099500227	0	2.00E-04	1	0.0014	0	NA	NA
NR_024507	LINCO0598	0.520672421626533	0	2.00E-04	1	0.0014	0	NA	NA
NR_024506	LINCO0598	0.520672421626533	0	2.00E-04	1	0.0014	0	NA	NA
NR_024505	LINCO0598	0.520672421626533	0	2.00E-04	1	0.0014	0	NA	NA
NM_014483	RBMS3	0.520218082689687	0	2.00E-04	1	0.0014	0	NA	NA
NM_001177712	RBMS3	0.520218082689687	0	2.00E-04	1	0.0014	0	NA	NA
NM_001177711	RBMS3	0.520218082689687	0	2.00E-04	1	0.0014	0	NA	NA
NM_001003792	RBMS3	0.520218082689687	0	2.00E-04	1	0.0014	0	NA	NA
NM_001003793	RBMS3	0.520218082689687	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004459	OR1S2	0.51976374375284	0	2.00E-04	1	0.0014	0	NA	NA
NR_073494	LOC100130075	0.51976374375284	0	2.00E-04	1	0.0014	0	NA	NA
NM_003581	NCK2	0.518855065879146	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004722	NCK2	0.518855065879146	0	2.00E-04	1	0.0014	0	NA	NA
NM_001276	CHI3L1	0.514311676510677	0	2.00E-04	1	0.0014	0	NA	NA
NM_001079827	CLRN2	0.51385733757383	0	2.00E-04	1	0.0014	0	NA	NA
NR_037889	LOC285626	0.51385733757383	0	2.00E-04	1	0.0014	0	NA	NA
NR_037480	MIR3916	0.51385733757383	0	2.00E-04	1	0.0014	0	NA	NA
NR_028399	TSNAX-DISC1	0.509768287142208	0	2.00E-04	1	0.0014	0	NA	NA
NR_028394	TSNAX-DISC1	0.509768287142208	0	2.00E-04	1	0.0014	0	NA	NA
NR_028393	TSNAX-DISC1	0.509768287142208	0	2.00E-04	1	0.0014	0	NA	NA
NR_028400	TSNAX-DISC1	0.509768287142208	0	2.00E-04	1	0.0014	0	NA	NA
NR_028396	TSNAX-DISC1	0.509768287142208	0	2.00E-04	1	0.0014	0	NA	NA
NR_028395	TSNAX-DISC1	0.509768287142208	0	2.00E-04	1	0.0014	0	NA	NA

NR_028398	<i>TSNAX-DISC1</i>	0.509768287142208	0	2.00E-04	1	0.0014	0	NA	NA
NR_028397	<i>TSNAX-DISC1</i>	0.509768287142208	0	2.00E-04	1	0.0014	0	NA	NA
NM_005999	<i>TSNAX</i>	0.509768287142208	0	2.00E-04	1	0.0014	0	NA	NA
NM_007281	<i>SCRG1</i>	0.509768287142208	0	2.00E-04	1	0.0014	0	NA	NA
NM_006493	<i>CLN5</i>	0.507950931394821	0	2.00E-04	1	0.0014	0	NA	NA
NM_018230	<i>NUP133</i>	0.505679236710586	0	2.00E-04	1	0.0014	0	NA	NA
NM_015350	<i>LRRC8B</i>	0.504770558836892	0	2.00E-04	1	0.0014	0	NA	NA
NR_003945	<i>GVINP1</i>	0.503861880963199	0	2.00E-04	1	0.0014	0	NA	NA
NM_144992	<i>VWA3B</i>	0.503407542026352	0	2.00E-04	1	0.0014	0	NA	NA
NM_207305	<i>FOXO4</i>	0.502498864152658	0	2.00E-04	1	0.0014	0	NA	NA
NM_004077	<i>CS</i>	0.501135847342117	0	2.00E-04	1	0.0014	0	NA	NA
NM_016078	<i>TVP23B</i>	0.496592457973648	0	2.00E-04	1	0.0014	0	NA	NA
NR_002216	<i>NXF4</i>	0.496138119036801	0	2.00E-04	1	0.0014	0	NA	NA
NM_001145718	<i>CT47B1</i>	0.494775102226261	0	2.00E-04	1	0.0014	0	NA	NA
NM_001282786	<i>PRTFDC1</i>	0.519309404815993	0.0249886415265788	2.00E-04	1	0.0014	0	NA	NA
NM_020200	<i>PRTFDC1</i>	0.519309404815993	0.0249886415265788	2.00E-04	1	0.0014	0	NA	NA
NM_001167924	<i>CMSS1</i>	0.494320763289414	0	2.00E-04	1	0.0014	0	NA	NA
NM_001169118	<i>STIM2</i>	0.49341208541572	0	2.00E-04	1	0.0014	0	NA	NA
NM_001169117	<i>STIM2</i>	0.49341208541572	0	2.00E-04	1	0.0014	0	NA	NA
NM_020860	<i>STIM2</i>	0.49341208541572	0	2.00E-04	1	0.0014	0	NA	NA
NM_000600	<i>IL6</i>	0.49341208541572	0	2.00E-04	1	0.0014	0	NA	NA
NM_001198834	<i>PDE4DIP</i>	0.492957746478873	0	2.00E-04	1	0.0014	0	NA	NA
NM_014644	<i>PDE4DIP</i>	0.492957746478873	0	2.00E-04	1	0.0014	0	NA	NA
NM_001002812	<i>PDE4DIP</i>	0.492957746478873	0	2.00E-04	1	0.0014	0	NA	NA
NM_001195261	<i>PDE4DIP</i>	0.492957746478873	0	2.00E-04	1	0.0014	0	NA	NA
NM_001002810	<i>PDE4DIP</i>	0.492957746478873	0	2.00E-04	1	0.0014	0	NA	NA
NM_001085455	<i>KRTAP24-1</i>	0.492957746478873	0	2.00E-04	1	0.0014	0	NA	NA
NM_198691	<i>KRTAP10-1</i>	0.492957746478873	0	2.00E-04	1	0.0014	0	NA	NA
NM_006729	<i>DIAPH2</i>	0.492503407542026	0	2.00E-04	1	0.0014	0	NA	NA
NM_007309	<i>DIAPH2</i>	0.492503407542026	0	2.00E-04	1	0.0014	0	NA	NA
NM_001111284	<i>IGF1</i>	0.489777373920945	0	2.00E-04	1	0.0014	0	NA	NA
NM_001159353	<i>REG4</i>	0.487505679236711	0	2.00E-04	1	0.0014	0	NA	NA
NM_001159352	<i>REG4</i>	0.487505679236711	0	2.00E-04	1	0.0014	0	NA	NA
NM_032044	<i>REG4</i>	0.487505679236711	0	2.00E-04	1	0.0014	0	NA	NA
NM_018181	<i>ZNF532</i>	0.487051340299864	0	2.00E-04	1	0.0014	0	NA	NA
NM_001112720	<i>LIMCH1</i>	0.48614266242617	0	2.00E-04	1	0.0014	0	NA	NA
NM_001112719	<i>LIMCH1</i>	0.48614266242617	0	2.00E-04	1	0.0014	0	NA	NA
NM_054021	<i>GPR101</i>	0.485233984552476	0	2.00E-04	1	0.0014	0	NA	NA
NM_001195260	<i>PDE4DIP</i>	0.484779645615629	0	2.00E-04	1	0.0014	0	NA	NA
NR_002163	<i>OR7E37P</i>	0.483416628805089	0	2.00E-04	1	0.0014	0	NA	NA
NM_001174125	<i>SLC11A2</i>	0.482507950931395	0	2.00E-04	1	0.0014	0	NA	NA
NM_016609	<i>SLC22A17</i>	0.482053611994548	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004458	<i>OR1S1</i>	0.481144934120854	0	2.00E-04	1	0.0014	0	NA	NA
NM_001163677	<i>KCNMB3</i>	0.479327578373467	0	2.00E-04	1	0.0014	0	NA	NA

NM_171828	KCNMB3	0.479327578373467	0	2.00E-04	1	0.0014	0	NA	NA
NM_001039960	SLC4A8	0.47887323943662	0	2.00E-04	1	0.0014	0	NA	NA
NM_001258402	SLC4A8	0.47887323943662	0	2.00E-04	1	0.0014	0	NA	NA
NR_047672	SLC4A8	0.47887323943662	0	2.00E-04	1	0.0014	0	NA	NA
NM_175064	SPDYE1	0.477964561562926	0	2.00E-04	1	0.0014	0	NA	NA
NM_020130	C8orf4	0.477964561562926	0	2.00E-04	1	0.0014	0	NA	NA
NM_013260	SAP30BP	0.477055883689232	0	2.00E-04	1	0.0014	0	NA	NA
NM_001037866	RGPD6	0.477055883689232	0	2.00E-04	1	0.0014	0	NA	NA
NM_198698	KRTAP12-4	0.477055883689232	0	2.00E-04	1	0.0014	0	NA	NA
NM_005727	TSPAN1	0.475692866878692	0	2.00E-04	1	0.0014	0	NA	NA
NM_015365	AMMECR1	0.474329850068151	0	2.00E-04	1	0.0014	0	NA	NA
NM_001025580	AMMECR1	0.474329850068151	0	2.00E-04	1	0.0014	0	NA	NA
NM_001206789	TMPRSS13	0.473875511131304	0	2.00E-04	1	0.0014	0	NA	NA
NM_001244995	TMPRSS13	0.473875511131304	0	2.00E-04	1	0.0014	0	NA	NA
NM_001077263	TMPRSS13	0.473875511131304	0	2.00E-04	1	0.0014	0	NA	NA
NM_001206790	TMPRSS13	0.473875511131304	0	2.00E-04	1	0.0014	0	NA	NA
NM_178520	TMEM105	0.473875511131304	0	2.00E-04	1	0.0014	0	NA	NA
NR_015441	LOC652276	0.472512494320763	0	2.00E-04	1	0.0014	0	NA	NA
NM_138800	TRIM43	0.472512494320763	0	2.00E-04	1	0.0014	0	NA	NA
NR_003671	LOC728024	0.470695138573376	0	2.00E-04	1	0.0014	0	NA	NA
NM_001145646	APH1B	0.470240799636529	0	2.00E-04	1	0.0014	0	NA	NA
NM_031301	APH1B	0.470240799636529	0	2.00E-04	1	0.0014	0	NA	NA
NM_001114598	ASPDH	0.470240799636529	0	2.00E-04	1	0.0014	0	NA	NA
NM_017922	PRPF39	0.469332121762835	0	2.00E-04	1	0.0014	0	NA	NA
NM_001258403	SLC4A8	0.467969104952294	0	2.00E-04	1	0.0014	0	NA	NA
NR_023311	ZNF137P	0.467969104952294	0	2.00E-04	1	0.0014	0	NA	NA
NR_040037	PTOV1-AS1	0.467514766015448	0	2.00E-04	1	0.0014	0	NA	NA
NM_001137608	ZNF732	0.466151749204907	0	2.00E-04	1	0.0014	0	NA	NA
NM_004535	MYT1	0.46569741026806	0	2.00E-04	1	0.0014	0	NA	NA
NM_006672	SLC22A7	0.46569741026806	0	2.00E-04	1	0.0014	0	NA	NA
NM_153320	SLC22A7	0.46569741026806	0	2.00E-04	1	0.0014	0	NA	NA
NM_054112	DEFB118	0.463425715583826	0	2.00E-04	1	0.0014	0	NA	NA
NM_012374	OR4D1	0.462517037710132	0	2.00E-04	1	0.0014	0	NA	NA
NM_198511	LANCL3	0.462517037710132	0	2.00E-04	1	0.0014	0	NA	NA
NM_001170331	LANCL3	0.462517037710132	0	2.00E-04	1	0.0014	0	NA	NA
NM_178168	OR10A5	0.461154020899591	0	2.00E-04	1	0.0014	0	NA	NA
NM_003643	GCM1	0.460699681962744	0	2.00E-04	1	0.0014	0	NA	NA
NM_203399	STMN1	0.459336665152204	0	2.00E-04	1	0.0014	0	NA	NA
NM_080838	WISP1	0.45842798727851	0	2.00E-04	1	0.0014	0	NA	NA
NR_037944	WISP1	0.45842798727851	0	2.00E-04	1	0.0014	0	NA	NA
NM_001204870	WISP1	0.45842798727851	0	2.00E-04	1	0.0014	0	NA	NA
NM_003882	WISP1	0.45842798727851	0	2.00E-04	1	0.0014	0	NA	NA
NM_001204869	WISP1	0.45842798727851	0	2.00E-04	1	0.0014	0	NA	NA
NM_173543	DZIP1L	0.457973648341663	0	2.00E-04	1	0.0014	0	NA	NA



NR_002443	SNORD18C	0.490231712857792	0.0327124034529759	2.00E-04	1	0.0014	0	NA	NA
NM_145203	CSNK1A1L	0.456610631531122	0	2.00E-04	1	0.0014	0	NA	NA
NM_024659	GTDC1	0.456610631531122	0	2.00E-04	1	0.0014	0	NA	NA
NM_001284338	NEDD4	0.455701953657428	0	2.00E-04	1	0.0014	0	NA	NA
NM_001284340	NEDD4	0.455701953657428	0	2.00E-04	1	0.0014	0	NA	NA
NM_198400	NEDD4	0.455701953657428	0	2.00E-04	1	0.0014	0	NA	NA
NR_104302	NEDD4	0.455701953657428	0	2.00E-04	1	0.0014	0	NA	NA
NM_001284339	NEDD4	0.455701953657428	0	2.00E-04	1	0.0014	0	NA	NA
NM_007035	KERA	0.454793275783735	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004690	OR2M5	0.454338936846888	0	2.00E-04	1	0.0014	0	NA	NA
NM_153368	GJD4	0.453430258973194	0	2.00E-04	1	0.0014	0	NA	NA
NM_213656	KRT39	0.453430258973194	0	2.00E-04	1	0.0014	0	NA	NA
NR_002738	SNORD57	0.452975920036347	0	2.00E-04	1	0.0014	0	NA	NA
NM_001024661	PRAMEF13	0.452975920036347	0	2.00E-04	1	0.0014	0	NA	NA
NM_001640	APEH	0.452067242162653	0	2.00E-04	1	0.0014	0	NA	NA
NM_020866	KLHL1	0.450704225352113	0	2.00E-04	1	0.0014	0	NA	NA
NM_023013	PRAMEF1	0.450249886415266	0	2.00E-04	1	0.0014	0	NA	NA
NM_001123363	RGPD6	0.450249886415266	0	2.00E-04	1	0.0014	0	NA	NA
NM_014234	HSD17B8	0.450249886415266	0	2.00E-04	1	0.0014	0	NA	NA
NR_030295	MIR569	0.450249886415266	0	2.00E-04	1	0.0014	0	NA	NA
NM_001012732	DCTD	0.450249886415266	0	2.00E-04	1	0.0014	0	NA	NA
NM_001921	DCTD	0.450249886415266	0	2.00E-04	1	0.0014	0	NA	NA
NM_173527	REM2	0.449795547478419	0	2.00E-04	1	0.0014	0	NA	NA
NR_026833	LOC400940	0.449795547478419	0	2.00E-04	1	0.0014	0	NA	NA
NM_032583	ABCC11	0.449795547478419	0	2.00E-04	1	0.0014	0	NA	NA
NM_145186	ABCC11	0.449795547478419	0	2.00E-04	1	0.0014	0	NA	NA
NM_018652	GOLGA6B	0.448886869604725	0	2.00E-04	1	0.0014	0	NA	NA
NM_004371	COPA	0.448886869604725	0	2.00E-04	1	0.0014	0	NA	NA
NM_001098398	COPA	0.448886869604725	0	2.00E-04	1	0.0014	0	NA	NA
NM_001136023	NFE2	0.447978191731031	0	2.00E-04	1	0.0014	0	NA	NA
NM_001261461	NFE2	0.447978191731031	0	2.00E-04	1	0.0014	0	NA	NA
NM_021999	ITM2B	0.447523852794184	0	2.00E-04	1	0.0014	0	NA	NA
NR_030775	SHISA4	0.446160835983644	0	2.00E-04	1	0.0014	0	NA	NA
NM_198149	SHISA4	0.446160835983644	0	2.00E-04	1	0.0014	0	NA	NA
NM_020127	TUFT1	0.538391640163562	0.0922308041799182	2.00E-04	1	0.0014	0	NA	NA
NM_001126337	TUFT1	0.538391640163562	0.0922308041799182	2.00E-04	1	0.0014	0	NA	NA
NM_000557	GDF5	0.445706497046797	0	2.00E-04	1	0.0014	0	NA	NA
NM_020245	TULP4	0.512948659700136	0.0672421626533394	2.00E-04	1	0.0014	0	NA	NA
NM_001007466	TULP4	0.512948659700136	0.0672421626533394	2.00E-04	1	0.0014	0	NA	NA
NM_016815	GYPC	0.44525215810995	0	2.00E-04	1	0.0014	0	NA	NA
NM_001256584	GYPC	0.44525215810995	0	2.00E-04	1	0.0014	0	NA	NA
NM_002101	GYPC	0.44525215810995	0	2.00E-04	1	0.0014	0	NA	NA
NR_036210	MIR4256	0.44525215810995	0	2.00E-04	1	0.0014	0	NA	NA
NM_012444	SPO11	0.444797819173103	0	0.001	0.999	0.0104	2.00E-04	NA	NA

NM_198265	SPO11	0.444797819173103	0	0.001	0.999	0.0104	2.00E-04	NA	NA
NR_026677	MIR600HG	0.444343480236256	0	2.00E-04	1	0.0014	0	NA	NA
NM_006399	BATF	0.443889141299409	0	2.00E-04	1	0.0014	0	NA	NA
NM_012390	SMR3A	0.443889141299409	0	2.00E-04	1	0.0014	0	NA	NA
NM_024873	TNIP3	0.443889141299409	0	2.00E-04	1	0.0014	0	NA	NA
NM_147193	GLIS1	0.442980463425716	0	2.00E-04	1	0.0014	0	NA	NA
NR_037415	MIR3620	0.442526124488869	0	2.00E-04	1	0.0014	0	NA	NA
NM_183065	TMEM107	0.442526124488869	0	2.00E-04	1	0.0014	0	NA	NA
NM_032354	TMEM107	0.442526124488869	0	2.00E-04	1	0.0014	0	NA	NA
NR_045585	SDF2	0.442526124488869	0	2.00E-04	1	0.0014	0	NA	NA
NM_001243775	LIMA1	0.442071785552022	0	2.00E-04	1	0.0014	0	NA	NA
NR_046449	LOC374443	0.441163107678328	0	2.00E-04	1	0.0014	0	NA	NA
NM_001242814	ANKRD6	0.440708768741481	0	2.00E-04	1	0.0014	0	NA	NA
NM_001936	DPP6	0.440254429804634	0	2.00E-04	1	0.0014	0	NA	NA
NM_024297	PHF23	0.439800090867787	0	2.00E-04	1	0.0014	0	NA	NA
NM_001284517	PHF23	0.439800090867787	0	2.00E-04	1	0.0014	0	NA	NA
NM_032681	TRIM51	0.438437074057247	0	2.00E-04	1	0.0014	0	NA	NA
NM_001010940	C9orf135	0.4379827351204	0	2.00E-04	1	0.0014	0	NA	NA
NR_027245	LINC00305	0.437528396183553	0	2.00E-04	1	0.0014	0	NA	NA
NM_022131	CLSTN2	0.437074057246706	0	2.00E-04	1	0.0014	0	NA	NA
NM_021072	HCN1	0.437074057246706	0	2.00E-04	0.9996	0.0014	0	NA	NA
NM_003248	THBS4	0.436165379373012	0	2.00E-04	1	0.0014	0	NA	NA
NM_032960	MAPKAPK2	0.435711040436165	0	2.00E-04	1	0.0014	0	NA	NA
NM_004759	MAPKAPK2	0.435711040436165	0	2.00E-04	1	0.0014	0	NA	NA
NM_006923	SDF2	0.434802362562472	0	2.00E-04	1	0.0014	0	NA	NA
NR_002575	SNORA27	0.432985006815084	0	2.00E-04	1	0.0014	0	NA	NA
NM_001024075	HNMT	0.43207632894139	0	2.00E-04	1	0.0014	0	NA	NA
NM_001024074	HNMT	0.43207632894139	0	2.00E-04	1	0.0014	0	NA	NA
NM_006895	HNMT	0.43207632894139	0	2.00E-04	1	0.0014	0	NA	NA
NM_001167676	FAM229A	0.43207632894139	0	2.00E-04	1	0.0014	0	NA	NA
NM_006018	HCAR3	0.431167651067697	0	2.00E-04	1	0.0014	0	NA	NA
NM_001165964	SCN1A	0.431167651067697	0	2.00E-04	1	0.0014	0	NA	NA
NM_001165963	SCN1A	0.431167651067697	0	2.00E-04	1	0.0014	0	NA	NA
NM_006920	SCN1A	0.431167651067697	0	2.00E-04	1	0.0014	0	NA	NA
NM_170746	C11orf31	0.432530667878237	0.00136301681054066	2.00E-04	1	0.0014	0	NA	NA
NM_177551	HCAR2	0.43071331213085	0	2.00E-04	1	0.0014	0	NA	NA
NM_176813	AGR3	0.43071331213085	0	2.00E-04	1	0.0014	0	NA	NA
NR_000017	SNORD36B	0.613811903680145	0.183552930486143	2.00E-04	1	0.0014	0	NA	NA
NM_178466	BPIFA3	0.429804634257156	0	2.00E-04	1	0.0014	0	NA	NA
NM_001042439	BPIFA3	0.429804634257156	0	2.00E-04	1	0.0014	0	NA	NA
NM_001001417	TBC1D3B	0.429804634257156	0	2.00E-04	1	0.0014	0	NA	NA
NM_198475	FAM171A2	0.429804634257156	0	2.00E-04	1	0.0014	0	NA	NA
NM_016343	CENPF	0.429350295320309	0	2.00E-04	1	0.0014	0	NA	NA
NM_001145454	STMN1	0.429350295320309	0	2.00E-04	1	0.0014	0	NA	NA

NM_005563	STMN1	0.429350295320309	0	2.00E-04	1	0.0014	0	NA	NA
NM_001267536	GOLGA6L4	0.428895956383462	0	2.00E-04	1	0.0014	0	NA	NA
NR_001285	SNORD35B	0.428895956383462	0	2.00E-04	1	0.0014	0	NA	NA
NM_000492	CFTR	0.428895956383462	0	2.00E-04	1	0.0014	0	NA	NA
NR_003260	DNM1P46	0.428441617446615	0	2.00E-04	1	0.0014	0	NA	NA
NR_027153	RPL21P44	0.427987278509768	0	2.00E-04	1	0.0014	0	NA	NA
NM_197975	BTNL3	0.427532939572921	0	2.00E-04	1	0.0014	0	NA	NA
NM_032747	USMG5	0.427078600636075	0	2.00E-04	1	0.0014	0	NA	NA
NM_001206427	USMG5	0.427078600636075	0	2.00E-04	1	0.0014	0	NA	NA
NM_001206426	USMG5	0.427078600636075	0	2.00E-04	1	0.0014	0	NA	NA
NM_001144831	PHB2	0.425261244888687	0	2.00E-04	1	0.0014	0	NA	NA
NM_001267700	PHB2	0.425261244888687	0	2.00E-04	1	0.0014	0	NA	NA
NM_004267	CHST2	0.42480690595184	0	2.00E-04	1	0.0014	0	NA	NA
NM_015530	GORASP2	0.424352567014993	0	2.00E-04	1	0.0014	0	NA	NA
NM_001244710	GFPT1	0.424352567014993	0	2.00E-04	1	0.0014	0	NA	NA
NM_002056	GFPT1	0.424352567014993	0	2.00E-04	1	0.0014	0	NA	NA
NR_026970	LY86-AS1	0.424352567014993	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004474	OR10S1	0.423898228078146	0	2.00E-04	1	0.0014	0	NA	NA
NM_153182	MINA	0.422080872330759	0	2.00E-04	1	0.0014	0	NA	NA
NM_001042533	MINA	0.422080872330759	0	2.00E-04	1	0.0014	0	NA	NA
NM_032778	MINA	0.422080872330759	0	2.00E-04	1	0.0014	0	NA	NA
NM_001261829	MINA	0.422080872330759	0	2.00E-04	1	0.0014	0	NA	NA
NM_001001827	OR2T35	0.421172194457065	0	2.00E-04	1	0.0014	0	NA	NA
NM_017561	NUTM2F	0.421172194457065	0	2.00E-04	1	0.0014	0	NA	NA
NM_001135592	RPS27A	0.425715583825534	0.00545206724216265	2.00E-04	1	0.0014	0	NA	NA
NR_026756	CYP4F35P	0.420263516583371	0	2.00E-04	1	0.0014	0	NA	NA
NM_002537	OAZ2	0.419809177646524	0	2.00E-04	1	0.0014	0	NA	NA
NM_005314	GRPR	0.419354838709677	0	2.00E-04	1	0.0014	0	NA	NA
NM_001012264	RNASE13	0.418900499772831	0	2.00E-04	1	0.0014	0	NA	NA
NM_002277	KRT31	0.418900499772831	0	2.00E-04	1	0.0014	0	NA	NA
NM_030901	OR7A17	0.418446160835984	0	2.00E-04	1	0.0014	0	NA	NA
NM_016945	TAS2R16	0.417991821899137	0	2.00E-04	1	0.0014	0	NA	NA
NM_198503	KCNT2	0.41753748296229	0	2.00E-04	1	0.0014	0	NA	NA
NM_002144	HOXB1	0.41753748296229	0	2.00E-04	1	0.0014	0	NA	NA
NM_001105206	LAMA4	0.41753748296229	0	2.00E-04	1	0.0014	0	NA	NA
NM_001105207	LAMA4	0.41753748296229	0	2.00E-04	1	0.0014	0	NA	NA
NM_002290	LAMA4	0.41753748296229	0	2.00E-04	1	0.0014	0	NA	NA
NM_001105209	LAMA4	0.41753748296229	0	2.00E-04	1	0.0014	0	NA	NA
NM_001105208	LAMA4	0.41753748296229	0	2.00E-04	1	0.0014	0	NA	NA
NM_003532	HIST1H3E	0.417083144025443	0	2.00E-04	1	0.0014	0	NA	NA
NM_000689	ALDH1A1	0.416174466151749	0	2.00E-04	1	0.0014	0	NA	NA
NM_004803	SLC22A14	0.415265788278055	0	2.00E-04	1	0.0014	0	NA	NA
NM_019045	WDR44	0.415265788278055	0	2.00E-04	1	0.0014	0	NA	NA
NM_001184966	WDR44	0.415265788278055	0	2.00E-04	1	0.0014	0	NA	NA

NM_001184965	WDR44	0.415265788278055	0	2.00E-04	1	0.0014	0	NA	NA
NM_020964	EPG5	0.415265788278055	0	2.00E-04	1	0.0014	0	NA	NA
NR_001435	HLA-DPB2	0.414811449341209	0	2.00E-04	1	0.0014	0	NA	NA
NM_003265	TLR3	0.414357110404362	0	2.00E-04	1	0.0014	0	NA	NA
NR_045126	RAET1E-AS1	0.414357110404362	0	2.00E-04	1	0.0014	0	NA	NA
NM_001007527	LMBRD2	0.414357110404362	0	2.00E-04	1	0.0014	0	NA	NA
NM_001163334	SYTL5	0.413902771467515	0	2.00E-04	1	0.0014	0	NA	NA
NM_001282445	EHD1	0.413902771467515	0	2.00E-04	1	0.0014	0	NA	NA
NM_001282444	EHD1	0.413902771467515	0	2.00E-04	1	0.0014	0	NA	NA
NM_001199189	CCNH	0.413902771467515	0	2.00E-04	1	0.0014	0	NA	NA
NM_001239	CCNH	0.413902771467515	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004756	OR51M1	0.413448432530668	0	2.00E-04	1	0.0014	0	NA	NA
NM_001267572	TBC1D2	0.413448432530668	0	2.00E-04	1	0.0014	0	NA	NA
NM_014960	ARSG	0.412994093593821	0	2.00E-04	1	0.0014	0	NA	NA
NR_002309	RPS26P11	0.412994093593821	0	2.00E-04	1	0.0014	0	NA	NA
NM_032424	MSANTD4	0.542480690595184	0.129486597001363	2.00E-04	1	0.0014	0	NA	NA
NM_182620	SKA2	0.412994093593821	0	2.00E-04	1	0.0014	0	NA	NA
NM_001100595	SKA2	0.412994093593821	0	2.00E-04	1	0.0014	0	NA	NA
NM_005002	NDUFA9	0.412539754656974	0	2.00E-04	1	0.0014	0	NA	NA
NM_033670	CCNB3	0.412085415720127	0	2.00E-04	1	0.0014	0	NA	NA
NM_033031	CCNB3	0.412085415720127	0	2.00E-04	1	0.0014	0	NA	NA
NM_005747	CELA3A	0.41163107678328	0	2.00E-04	1	0.0014	0	NA	NA
NM_001040702	DEFB104B	0.41163107678328	0	2.00E-04	1	0.0014	0	NA	NA
NM_080389	DEFB104A	0.41163107678328	0	2.00E-04	1	0.0014	0	NA	NA
NM_006295	VARS	0.41163107678328	0	2.00E-04	1	0.0014	0	NA	NA
NM_153699	GSTA5	0.447523852794184	0.0358927760109041	2.00E-04	1	0.0014	0	NA	NA
NM_006499	LGALS8	0.410722398909587	0	2.00E-04	1	0.0014	0	NA	NA
NM_201543	LGALS8	0.410722398909587	0	2.00E-04	1	0.0014	0	NA	NA
NM_201544	LGALS8	0.410722398909587	0	2.00E-04	1	0.0014	0	NA	NA
NM_001037732	DEFB128	0.410722398909587	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004052	ORS2B2	0.41026805997274	0	2.00E-04	1	0.0014	0	NA	NA
NM_001689	ATP5G3	0.41026805997274	0	2.00E-04	1	0.0014	0	NA	NA
NM_001190329	ATP5G3	0.41026805997274	0	2.00E-04	1	0.0014	0	NA	NA
NM_001160046	SGOL2	0.412085415720127	0.00181735574738755	2.00E-04	1	0.0014	0	NA	NA
NM_001160033	SGOL2	0.412085415720127	0.00181735574738755	2.00E-04	1	0.0014	0	NA	NA
NM_152524	SGOL2	0.412085415720127	0.00181735574738755	2.00E-04	1	0.0014	0	NA	NA
NM_002510	GPNMB	0.409813721035893	0	2.00E-04	1	0.0014	0	NA	NA
NM_001005340	GPNMB	0.409813721035893	0	2.00E-04	1	0.0014	0	NA	NA
NM_002100	GYPB	0.409813721035893	0	2.00E-04	1	0.0014	0	NA	NA
NM_201453	CBWD3	0.409813721035893	0	2.00E-04	1	0.0014	0	NA	NA
NM_020372	SLC22A17	0.409359382099046	0	2.00E-04	1	0.0014	0	NA	NA
NM_032260	RGPD5	0.409359382099046	0	2.00E-04	1	0.0014	0	NA	NA
NM_001017992	ACTBL2	0.408905043162199	0	2.00E-04	1	0.0014	0	NA	NA
NR_037481	MIR3917	0.407542026351658	0	2.00E-04	1	0.0014	0	NA	NA

NM_001024916	CBWD5	0.407087687414811	0	2.00E-04	1	0.0014	0	NA	NA
NM_014982	PCNX	0.406633348477965	0	2.00E-04	1	0.0014	0	NA	NA
NM_001258423	SMS	0.406633348477965	0	2.00E-04	1	0.0014	0	NA	NA
NM_004595	SMS	0.406633348477965	0	2.00E-04	1	0.0014	0	NA	NA
NM_014329	EDC4	0.406179009541118	0	2.00E-04	1	0.0014	0	NA	NA
NM_172311	STON1-GTF2A1L	0.406179009541118	0	2.00E-04	1	0.0014	0	NA	NA
NM_147199	MRGPRX1	0.406179009541118	0	2.00E-04	1	0.0014	0	NA	NA
NM_001252383	CGA	0.406179009541118	0	2.00E-04	1	0.0014	0	NA	NA
NM_000735	CGA	0.406179009541118	0	2.00E-04	1	0.0014	0	NA	NA
NM_005905	SMAD9	0.405724670604271	0	2.00E-04	1	0.0014	0	NA	NA
NM_001127217	SMAD9	0.405724670604271	0	2.00E-04	1	0.0014	0	NA	NA
NM_001271983	C11orf44	0.405270331667424	0	2.00E-04	1	0.0014	0	NA	NA
NR_033909	ECRP	0.405270331667424	0	2.00E-04	1	0.0014	0	NA	NA
NM_001257964	BOD1L2	0.405270331667424	0	2.00E-04	1	0.0014	0	NA	NA
NM_212555	PATE2	0.40436165379373	0	2.00E-04	1	0.0014	0	NA	NA
NR_046249	GM140	0.402998636983189	0	2.00E-04	1	0.0014	0	NA	NA
NM_130897	DYNLRB2	0.402998636983189	0	2.00E-04	1	0.0014	0	NA	NA
NM_001638	APOF	0.402544298046343	0	2.00E-04	1	0.0014	0	NA	NA
NM_173492	PIP5KL1	0.402544298046343	0	2.00E-04	1	0.0014	0	NA	NA
NM_012475	USP21	0.402089959109496	0	2.00E-04	1	0.0014	0	NA	NA
NM_001014443	USP21	0.402089959109496	0	2.00E-04	1	0.0014	0	NA	NA
NM_198562	C3orf62	0.402089959109496	0	2.00E-04	1	0.0014	0	NA	NA
NM_001200001	NOTCH2	0.401635620172649	0	2.00E-04	1	0.0014	0	NA	NA
NM_024408	NOTCH2	0.401635620172649	0	2.00E-04	1	0.0014	0	NA	NA
NM_001937	DPT	0.401181281235802	0	2.00E-04	1	0.0014	0	NA	NA
NM_018384	GIMAP5	0.400726942298955	0	2.00E-04	1	0.0014	0	NA	NA
NR_103537	FAM87A	0.400726942298955	0	2.00E-04	1	0.0014	0	NA	NA
NM_001040283	DMRTC2	0.400272603362108	0	0.026	0.9754	0.3397	0.0051	NA	NA
NM_022138	SMOC2	0.400272603362108	0	2.00E-04	1	0.0014	0	NA	NA
NM_001166412	SMOC2	0.400272603362108	0	2.00E-04	1	0.0014	0	NA	NA
NR_073116	SERPINE2	0.400272603362108	0	2.00E-04	1	0.0014	0	NA	NA
NM_170665	ATP2A2	0.414357110404362	0.0149931849159473	2.00E-04	1	0.0014	0	NA	NA
NM_001681	ATP2A2	0.414357110404362	0.0149931849159473	2.00E-04	1	0.0014	0	NA	NA
NM_031457	MS4A8	0.399363925488414	0	2.00E-04	1	0.0014	0	NA	NA
NR_026543	C21orf88	0.399363925488414	0	2.00E-04	1	0.0014	0	NA	NA
NR_026542	C21orf88	0.399363925488414	0	2.00E-04	1	0.0014	0	NA	NA
NM_022788	P2RY12	0.399363925488414	0	2.00E-04	1	0.0014	0	NA	NA
NM_004073	PLK3	0.397546569741027	0	2.00E-04	1	0.0014	0	NA	NA
NM_153013	NADK2	0.39709223080418	0	2.00E-04	1	0.0014	0	NA	NA
NM_001243392	SLC6A13	0.396637891867333	0	2.00E-04	1	0.0014	0	NA	NA
NM_001190997	SLC6A13	0.396637891867333	0	2.00E-04	1	0.0014	0	NA	NA
NM_016615	SLC6A13	0.396637891867333	0	2.00E-04	1	0.0014	0	NA	NA
NM_014864	FAM20B	0.396183552930486	0	2.00E-04	1	0.0014	0	NA	NA
NR_046228	ANKRD20A12P	0.396183552930486	0	0.001	0.9988	0.0104	2.00E-04	NA	NA

NR_001589	HBBP1	0.396183552930486	0	2.00E-04	1	0.0014	0	NA	NA
NM_017581	CHRNA9	0.395729213993639	0	2.00E-04	1	0.0014	0	NA	NA
NM_198277	SLC37A2	0.395274875056792	0	2.00E-04	1	0.0014	0	NA	NA
NM_001145290	SLC37A2	0.395274875056792	0	2.00E-04	1	0.0014	0	NA	NA
NR_024022	SETMAR	0.394820536119945	0	2.00E-04	1	0.0014	0	NA	NA
NM_181604	KRTAP6-2	0.394820536119945	0	2.00E-04	1	0.0014	0	NA	NA
NM_001295	CCR1	0.394820536119945	0	2.00E-04	1	0.0014	0	NA	NA
NR_027068	EFCAB10	0.394366197183099	0	2.00E-04	1	0.0014	0	NA	NA
NR_044994	CTAGE7P	0.393911858246252	0	2.00E-04	1	0.0014	0	NA	NA
NM_018654	GPRC5D	0.393911858246252	0	2.00E-04	1	0.0014	0	NA	NA
NM_002524	NRAS	0.393457519309405	0	2.00E-04	1	0.0014	0	NA	NA
NM_001145474	TEX38	0.393003180372558	0	2.00E-04	1	0.0014	0	NA	NA
NM_015404	DFNB31	0.393003180372558	0	2.00E-04	1	0.0014	0	NA	NA
NM_001173425	DFNB31	0.393003180372558	0	2.00E-04	1	0.0014	0	NA	NA
NM_001164436	TMEM212	0.392548841435711	0	2.00E-04	1	0.0014	0	NA	NA
NM_001172704	GGA3	0.392094502498864	0	2.00E-04	1	0.0014	0	NA	NA
NR_033345	GGA3	0.392094502498864	0	2.00E-04	1	0.0014	0	NA	NA
NM_014001	GGA3	0.392094502498864	0	2.00E-04	1	0.0014	0	NA	NA
NM_001172703	GGA3	0.392094502498864	0	2.00E-04	1	0.0014	0	NA	NA
NM_138619	GGA3	0.392094502498864	0	2.00E-04	1	0.0014	0	NA	NA
NM_006408	AGR2	0.391640163562017	0	2.00E-04	1	0.0014	0	NA	NA
NM_000710	BDKRB1	0.390731485688323	0	2.00E-04	1	0.0014	0	NA	NA
NM_017622	C17orf59	0.390277146751477	0	2.00E-04	1	0.0014	0	NA	NA
NR_002940	LRR37A4P	0.390277146751477	0	2.00E-04	1	0.0014	0	NA	NA
NM_001207006	IL21	0.38982280781463	0	2.00E-04	1	0.0014	0	NA	NA
NM_021803	IL21	0.38982280781463	0	2.00E-04	1	0.0014	0	NA	NA
NR_028323	SLC5A6	0.38982280781463	0.000454338936846888	2.00E-04	1	0.0014	0	NA	NA
NM_021095	SLC5A6	0.38982280781463	0.000454338936846888	2.00E-04	1	0.0014	0	NA	NA
NM_020808	SIPA1L2	0.389368468877783	0	2.00E-04	1	0.0014	0	NA	NA
NM_003768	PEA15	0.388914129940936	0	2.00E-04	1	0.0014	0	NA	NA
NM_001123376	TMEM72	0.388914129940936	0	2.00E-04	1	0.0014	0	NA	NA
NR_027486	TBC1D3P2	0.388914129940936	0	2.00E-04	1	0.0014	0	NA	NA
NR_024373	MIR4435-1HG	0.388914129940936	0	2.00E-04	1	0.0014	0	NA	NA
NR_015395	MIR4435-1HG	0.388914129940936	0	2.00E-04	1	0.0014	0	NA	NA
NM_147191	MMP21	0.392548841435711	0.0036347114947751	2.00E-04	1	0.0014	0	NA	NA
NR_046365	FAM90A27P	0.388459791004089	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004351	SPDYE3	0.388005452067242	0	2.00E-04	1	0.0014	0	NA	NA
NM_004615	TSPAN7	0.388005452067242	0	2.00E-04	1	0.0014	0	NA	NA
NM_005421	TAL2	0.387551113130395	0	2.00E-04	1	0.0014	0	NA	NA
NM_198515	CCDC172	0.518855065879146	0.131758291685597	2.00E-04	1	0.0014	0	NA	NA
NM_198485	TPRG1	0.387096774193548	0	2.00E-04	1	0.0014	0	NA	NA
NM_170610	HIST1H2BA	0.387096774193548	0	2.00E-04	1	0.0014	0	NA	NA
NM_025221	KCNIP4	0.387096774193548	0	2.00E-04	1	0.0014	0	NA	NA
NM_014011	SOCS5	0.386642435256701	0	2.00E-04	1	0.0014	0	NA	NA

NM_144949	SOCS5	0.386642435256701	0	2.00E-04	1	0.0014	0	NA	NA
NM_012450	SLC13A4	0.386642435256701	0	2.00E-04	1	0.0014	0	NA	NA
NM_015971	MRPS7	0.386188096319855	0	2.00E-04	1	0.0014	0	NA	NA
NM_002548	OR1D2	0.386188096319855	0	2.00E-04	1	0.0014	0	NA	NA
NM_019119	PCDHB9	0.385733757383008	0	2.00E-04	1	0.0014	0	NA	NA
NM_020398	EPPIN	0.385733757383008	0	2.00E-04	1	0.0014	0	NA	NA
NM_001198986	EPPIN-WFDC6	0.385733757383008	0	2.00E-04	1	0.0014	0	NA	NA
NM_205859	OR2K2	0.385733757383008	0	2.00E-04	1	0.0014	0	NA	NA
NM_175734	C17orf74	0.385279418446161	0	2.00E-04	1	0.0014	0	NA	NA
NM_001007563	IGFBPL1	0.385279418446161	0	2.00E-04	1	0.0014	0	NA	NA
NM_022167	XYLT2	0.384825079509314	0	2.00E-04	1	0.0014	0	NA	NA
NM_001201428	GORASP2	0.384370740572467	0	2.00E-04	1	0.0014	0	NA	NA
NM_173800	AQPEP	0.384370740572467	0	2.00E-04	1	0.0014	0	NA	NA
NM_002286	LAG3	0.383462062698773	0	2.00E-04	1	0.0014	0	NA	NA
NM_001001413	GOLGA6L1	0.383462062698773	0	2.00E-04	1	0.0014	0	NA	NA
NM_001159709	BTNL8	0.383462062698773	0	2.00E-04	1	0.0014	0	NA	NA
NM_001040462	BTNL8	0.383462062698773	0	2.00E-04	1	0.0014	0	NA	NA
NM_001159707	BTNL8	0.383462062698773	0	2.00E-04	1	0.0014	0	NA	NA
NM_001159708	BTNL8	0.383462062698773	0	2.00E-04	1	0.0014	0	NA	NA
NM_024850	BTNL8	0.383462062698773	0	2.00E-04	1	0.0014	0	NA	NA
NM_001270584	IQCA1	0.383462062698773	0	2.00E-04	0.9998	0.0014	0	NA	NA
NM_024726	IQCA1	0.383462062698773	0	2.00E-04	1	0.0014	0	NA	NA
NR_073043	IQCA1	0.383462062698773	0	2.00E-04	1	0.0014	0	NA	NA
NM_001005189	OR6Y1	0.383007723761926	0	2.00E-04	1	0.0014	0	NA	NA
NM_001130834	LDB2	0.383007723761926	0	2.00E-04	1	0.0014	0	NA	NA
NM_001290	LDB2	0.383007723761926	0	2.00E-04	1	0.0014	0	NA	NA
NM_024870	PREX2	0.38255338482508	0	2.00E-04	1	0.0014	0	NA	NA
NM_025170	PREX2	0.38255338482508	0	2.00E-04	1	0.0014	0	NA	NA
NM_001242329	USP17L5	0.382099045888233	0	1	2.00E-04	1	0.1626	NA	NA
NR_036691	LOC494127	0.381644706951386	0	2.00E-04	1	0.0014	0	NA	NA
NM_001171092	CLDN2	0.380736029077692	0	2.00E-04	1	0.0014	0	NA	NA
NM_001025205	AP2M1	0.380281690140845	0	2.00E-04	1	0.0014	0	NA	NA
NM_004068	AP2M1	0.380281690140845	0	2.00E-04	1	0.0014	0	NA	NA
NM_001270524	OTX2	0.380281690140845	0	2.00E-04	1	0.0014	0	NA	NA
NM_001270523	OTX2	0.380281690140845	0	2.00E-04	1	0.0014	0	NA	NA
NM_021728	OTX2	0.380281690140845	0	2.00E-04	1	0.0014	0	NA	NA
NR_073034	OTX2	0.380281690140845	0	2.00E-04	1	0.0014	0	NA	NA
NM_015042	ZNF609	0.379827351203998	0	2.00E-04	1	0.0014	0	NA	NA
NM_001001674	OR4F15	0.379827351203998	0	2.00E-04	1	0.0014	0	NA	NA
NM_001001964	OR2T11	0.379827351203998	0	2.00E-04	1	0.0014	0	NA	NA
NM_005468	NAALADL1	0.379827351203998	0	2.00E-04	1	0.0014	0	NA	NA
NM_000042	APOH	0.379827351203998	0	2.00E-04	1	0.0014	0	NA	NA
NR_024240	HLA-J	0.379373012267151	0	2.00E-04	1	0.0014	0	NA	NA
NM_005272	GNAT2	0.378009995456611	0	2.00E-04	1	0.0014	0	NA	NA

NM_014895	KIAA1009	0.378009995456611	0	2.00E-04	1	0.0014	0	NA	NA
NM_001376	DYNC1H1	0.405270331667424	0.0272603362108133	2.00E-04	1	0.0014	0	NA	NA
NM_002289	LALBA	0.377555656519764	0	2.00E-04	1	0.0014	0	NA	NA
NR_024206	LINC00152	0.377101317582917	0	2.00E-04	1	0.0014	0	NA	NA
NR_024205	LINC00152	0.377101317582917	0	2.00E-04	1	0.0014	0	NA	NA
NR_024204	LINC00152	0.377101317582917	0	2.00E-04	1	0.0014	0	NA	NA
NM_030636	EEPD1	0.377101317582917	0	2.00E-04	1	0.0014	0	NA	NA
NM_152577	ZNF645	0.377101317582917	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004486	OR13H1	0.377101317582917	0	2.00E-04	1	0.0014	0	NA	NA
NM_001278297	FAM131B	0.377101317582917	0	2.00E-04	1	0.0014	0	NA	NA
NM_001031690	FAM131B	0.377101317582917	0	2.00E-04	1	0.0014	0	NA	NA
NM_001099638	ZNF146	0.376192639709223	0	2.00E-04	1	0.0014	0	NA	NA
NM_007145	ZNF146	0.376192639709223	0	2.00E-04	1	0.0014	0	NA	NA
NM_001099639	ZNF146	0.376192639709223	0	2.00E-04	1	0.0014	0	NA	NA
NM_015886	PI15	0.376192639709223	0	2.00E-04	1	0.0014	0	NA	NA
NM_001289	CLIC2	0.376192639709223	0	2.00E-04	1	0.0014	0	NA	NA
NM_018715	RCC2	0.374829622898682	0	2.00E-04	1	0.0014	0	NA	NA
NM_017456	CYTH1	0.374829622898682	0	2.00E-04	1	0.0014	0	NA	NA
NM_004762	CYTH1	0.374829622898682	0	2.00E-04	1	0.0014	0	NA	NA
NM_013286	RBM15B	0.374375283961836	0	2.00E-04	1	0.0014	0	NA	NA
NM_170745	HIST1H2AA	0.374375283961836	0	2.00E-04	1	0.0014	0	NA	NA
NM_000452	SLC10A2	0.373012267151295	0	2.00E-04	1	0.0014	0	NA	NA
NM_001130725	PSMB5	0.373012267151295	0	2.00E-04	1	0.0014	0	NA	NA
NR_002442	SNORD18B	0.416174466151749	0.0431621990004543	2.00E-04	1	0.0014	0	NA	NA
NM_000074	CD40LG	0.372103589277601	0	2.00E-04	1	0.0014	0	NA	NA
NM_020864	NYAP2	0.371649250340754	0	2.00E-04	1	0.0014	0	NA	NA
NM_001199742	GADD45A	0.371194911403907	0	2.00E-04	1	0.0014	0	NA	NA
NM_001199741	GADD45A	0.371194911403907	0	2.00E-04	1	0.0014	0	NA	NA
NM_001924	GADD45A	0.371194911403907	0	2.00E-04	1	0.0014	0	NA	NA
NM_001251962	ARHGEF26	0.371194911403907	0	2.00E-04	1	0.0014	0	NA	NA
NM_001002258	ATP5G3	0.371194911403907	0	2.00E-04	1	0.0014	0	NA	NA
NM_001080477	TENM3	0.37074057246706	0	4.00E-04	1	0.0038	1.00E-04	NA	NA
NM_004696	SLC16A4	0.37074057246706	0	2.00E-04	1	0.0014	0	NA	NA
NM_001201546	SLC16A4	0.37074057246706	0	2.00E-04	1	0.0014	0	NA	NA
NM_001201549	SLC16A4	0.37074057246706	0	2.00E-04	1	0.0014	0	NA	NA
NM_001201548	SLC16A4	0.37074057246706	0	2.00E-04	1	0.0014	0	NA	NA
NM_001201547	SLC16A4	0.37074057246706	0	2.00E-04	1	0.0014	0	NA	NA
NM_006291	TNFAIP2	0.370286233530214	0	2.00E-04	1	0.0014	0	NA	NA
NM_001079807	PGA3	0.36937755565652	0	2.00E-04	1	0.0014	0	NA	NA
NR_027695	DSCR10	0.36937755565652	0	2.00E-04	1	0.0014	0	NA	NA
NM_080913	ASGR2	0.36937755565652	0	2.00E-04	1	0.0014	0	NA	NA
NM_001181	ASGR2	0.36937755565652	0	2.00E-04	1	0.0014	0	NA	NA
NM_001201352	ASGR2	0.36937755565652	0	2.00E-04	1	0.0014	0	NA	NA
NM_080912	ASGR2	0.36937755565652	0	2.00E-04	1	0.0014	0	NA	NA



NM_017521	FEV	0.36937755565652	0	2.00E-04	1	0.0014	0	NA	NA
NM_001077203	SENP7	0.36937755565652	0	2.00E-04	1	0.0014	0	NA	NA
NM_001282801	SENP7	0.36937755565652	0	2.00E-04	1	0.0014	0	NA	NA
NM_001282802	SENP7	0.36937755565652	0	2.00E-04	1	0.0014	0	NA	NA
NM_001282803	SENP7	0.36937755565652	0	2.00E-04	1	0.0014	0	NA	NA
NM_020654	SENP7	0.36937755565652	0	2.00E-04	1	0.0014	0	NA	NA
NM_001282804	SENP7	0.36937755565652	0	2.00E-04	1	0.0014	0	NA	NA
NM_199290	NACA2	0.368014538845979	0	2.00E-04	1	0.0014	0	NA	NA
NM_000722	CACNA2D1	0.367560199909132	0	2.00E-04	1	0.0014	0	NA	NA
NM_181491	MED22	0.551567469332122	0.18400726942299	2.00E-04	1	0.0014	0	NA	NA
NM_133640	MED22	0.551567469332122	0.18400726942299	2.00E-04	1	0.0014	0	NA	NA
NM_031962	KRTAP9-3	0.367105860972285	0	2.00E-04	1	0.0014	0	NA	NA
NM_014867	KBTD11	0.367105860972285	0	2.00E-04	1	0.0014	0	NA	NA
NM_001584	MPPED2	0.367105860972285	0	4.00E-04	0.9992	0.0038	1.00E-04	NA	NA
NM_018158	SLC4A1AP	0.366651522035438	0	2.00E-04	1	0.0014	0	NA	NA
NM_021221	LY6G5B	0.366651522035438	0	2.00E-04	1	0.0014	0	NA	NA
NR_038274	LINC00933	0.475692866878692	0.109950022716947	2.00E-04	1	0.0014	0	NA	NA
NR_004859	SCAND2P	0.365742844161745	0	2.00E-04	1	0.0014	0	NA	NA
NR_003654	SCAND2P	0.365742844161745	0	2.00E-04	1	0.0014	0	NA	NA
NM_000288	PEX7	0.365742844161745	0	2.00E-04	1	0.0014	0	NA	NA
NM_006271	S100A1	0.364834166288051	0	2.00E-04	1	0.0014	0	NA	NA
NM_002929	GRK1	0.364834166288051	0	2.00E-04	1	0.0014	0	NA	NA
NR_038120	ELMO1	0.441617446615175	0.0772376192639709	2.00E-04	1	0.0014	0	NA	NA
NM_130442	ELMO1	0.441617446615175	0.0772376192639709	2.00E-04	1	0.0014	0	NA	NA
NM_016630	SPG21	0.364379827351204	0	2.00E-04	1	0.0014	0	NA	NA
NM_001127890	SPG21	0.364379827351204	0	2.00E-04	1	0.0014	0	NA	NA
NM_003936	CDK5R2	0.368014538845979	0.0036347114947751	2.00E-04	1	0.0014	0	NA	NA
NM_032448	FAM120B	0.363925488414357	0	2.00E-04	1	0.0014	0	NA	NA
NM_001130679	EIF4E	0.363925488414357	0	2.00E-04	1	0.0014	0	NA	NA
NM_001968	EIF4E	0.363925488414357	0	2.00E-04	1	0.0014	0	NA	NA
NM_004341	CAD	0.36347114947751	0	2.00E-04	1	0.0014	0	NA	NA
NM_017750	RETSAT	0.362562471603816	0	2.00E-04	1	0.0014	0	NA	NA
NM_002177	IFNW1	0.362562471603816	0	2.00E-04	1	0.0014	0	NA	NA
NM_001005169	ORS2I1	0.361653793730123	0	2.00E-04	1	0.0014	0	NA	NA
NM_021255	PELI2	0.361653793730123	0	2.00E-04	1	0.0014	0	NA	NA
NM_018992	KCTD5	0.361653793730123	0	2.00E-04	1	0.0014	0	NA	NA
NM_001258029	GSN	0.361653793730123	0	2.00E-04	1	0.0014	0	NA	NA
NM_000608	ORM2	0.361199454793276	0	2.00E-04	1	0.0014	0	NA	NA
NM_015840	ADAR	0.361199454793276	0	2.00E-04	1	0.0014	0	NA	NA
NM_001111	ADAR	0.361199454793276	0	2.00E-04	1	0.0014	0	NA	NA
NM_015841	ADAR	0.361199454793276	0	2.00E-04	1	0.0014	0	NA	NA
NM_001284353	KIAA1324	0.360745115856429	0	2.00E-04	1	0.0014	0	NA	NA
NR_049774	KIAA1324	0.360745115856429	0	2.00E-04	1	0.0014	0	NA	NA
NM_001975	ENO2	0.360745115856429	0	2.00E-04	1	0.0014	0	NA	NA

NM_144988	ALG14	0.360745115856429	0	2.00E-04	1	0.0014	0	NA	NA
NR_033697	NDUFA2	0.360745115856429	0	2.00E-04	1	0.0014	0	NA	NA
NM_002488	NDUFA2	0.360745115856429	0	2.00E-04	1	0.0014	0	NA	NA
NM_001185012	NDUFA2	0.360745115856429	0	2.00E-04	1	0.0014	0	NA	NA
NR_003015	SNORA53	0.360290776919582	0	2.00E-04	1	0.0014	0	NA	NA
NM_177976	ARL6	0.360290776919582	0	2.00E-04	1	0.0014	0	NA	NA
NM_032146	ARL6	0.360290776919582	0	2.00E-04	1	0.0014	0	NA	NA
NM_001278293	ARL6	0.360290776919582	0	2.00E-04	1	0.0014	0	NA	NA
NR_103511	ARL6	0.360290776919582	0	2.00E-04	1	0.0014	0	NA	NA
NM_194251	GPR151	0.360290776919582	0	2.00E-04	1	0.0014	0	NA	NA
NM_001278702	SSX2B	0.360290776919582	0	2.00E-04	0.9998	0.0014	0	NA	NA
NM_001030005	CPLX3	0.359836437982735	0	2.00E-04	1	0.0014	0	NA	NA
NM_001203246	GPBP1	0.359836437982735	0	2.00E-04	1	0.0014	0	NA	NA
NM_022913	GPBP1	0.359836437982735	0	2.00E-04	1	0.0014	0	NA	NA
NM_001145121	TCP10L2	0.359836437982735	0	2.00E-04	1	0.0014	0	NA	NA
NM_001278697	SSX2	0.359836437982735	0	2.00E-04	0.9994	0.0014	0	NA	NA
NM_005832	KCNMB2	0.359382099045888	0	2.00E-04	1	0.0014	0	NA	NA
NM_001278911	KCNMB2	0.359382099045888	0	2.00E-04	1	0.0014	0	NA	NA
NR_040085	TRG-AS1	0.359382099045888	0	2.00E-04	1	0.0014	0	NA	NA
NM_020154	EMC7	0.358927760109041	0	2.00E-04	1	0.0014	0	NA	NA
NM_001491	GCNT2	0.487505679236711	0.129032258064516	2.00E-04	1	0.0014	0	NA	NA
NM_000623	BDKRB2	0.358473421172194	0	2.00E-04	1	0.0014	0	NA	NA
NM_198512	DGAT2L6	0.358473421172194	0	2.00E-04	1	0.0014	0	NA	NA
NM_024928	OBFC1	0.358473421172194	0	2.00E-04	1	0.0014	0	NA	NA
NM_001253357	TIE1	0.357564743298501	0	2.00E-04	1	0.0014	0	NA	NA
NM_005424	TIE1	0.357564743298501	0	2.00E-04	1	0.0014	0	NA	NA
NM_014062	NOB1	0.512039981826443	0.154929577464789	2.00E-04	1	0.0014	0	NA	NA
NR_074074	NOB1	0.512039981826443	0.154929577464789	2.00E-04	1	0.0014	0	NA	NA
NM_005514	HLA-B	0.356656065424807	0	2.00E-04	1	0.0014	0	NA	NA
NM_001144966	NEDD4L	0.355747387551113	0	2.00E-04	1	0.0014	0	NA	NA
NM_207422	FLJ44635	0.358927760109041	0.00318037255792821	2.00E-04	1	0.0014	0	NA	NA
NM_017425	SPA17	0.355293048614266	0	2.00E-04	1	0.0014	0	NA	NA
NM_006181	NTN3	0.355293048614266	0	2.00E-04	1	0.0014	0	NA	NA
NM_001942	DSG1	0.355293048614266	0	2.00E-04	1	0.0014	0	NA	NA
NR_034145	LINC00670	0.354838709677419	0	2.00E-04	1	0.0014	0	NA	NA
NR_034144	LINC00670	0.354838709677419	0	2.00E-04	1	0.0014	0	NA	NA
NM_000427	LOR	0.354384370740572	0	2.00E-04	1	0.0014	0	NA	NA
NR_103774	LOC100289580	0.354384370740572	0	2.00E-04	1	0.0014	0	NA	NA
NM_002865	RAB2A	0.354384370740572	0	2.00E-04	1	0.0014	0	NA	NA
NM_001242644	RAB2A	0.354384370740572	0	2.00E-04	1	0.0014	0	NA	NA
NM_138636	TLR8	0.354384370740572	0	2.00E-04	1	0.0014	0	NA	NA
NM_014870	ZBTB40	0.454793275783735	0.100863243980009	2.00E-04	1	0.0014	0	NA	NA
NM_001083621	ZBTB40	0.454793275783735	0.100863243980009	2.00E-04	1	0.0014	0	NA	NA
NM_138357	MCU	0.353930031803726	0	2.00E-04	1	0.0014	0	NA	NA

NR_073062	MCU	0.353930031803726	0	2.00E-04	1	0.0014	0	NA	NA
NM_001270680	MCU	0.353930031803726	0	2.00E-04	1	0.0014	0	NA	NA
NM_001270679	MCU	0.353930031803726	0	2.00E-04	1	0.0014	0	NA	NA
NM_152880	PTK7	0.353930031803726	0	2.00E-04	1	0.0014	0	NA	NA
NM_152882	PTK7	0.353930031803726	0	2.00E-04	1	0.0014	0	NA	NA
NM_152881	PTK7	0.353930031803726	0	2.00E-04	1	0.0014	0	NA	NA
NM_002821	PTK7	0.353930031803726	0	2.00E-04	1	0.0014	0	NA	NA
NR_072998	PTK7	0.353930031803726	0	2.00E-04	1	0.0014	0	NA	NA
NR_072997	PTK7	0.353930031803726	0	2.00E-04	1	0.0014	0	NA	NA
NM_014790	JAKMIP2	0.353930031803726	0	2.00E-04	1	0.0014	0	NA	NA
NM_001270934	JAKMIP2	0.353930031803726	0	2.00E-04	1	0.0014	0	NA	NA
NM_001270941	JAKMIP2	0.353930031803726	0	2.00E-04	1	0.0014	0	NA	NA
NM_001282282	JAKMIP2	0.353930031803726	0	2.00E-04	1	0.0014	0	NA	NA
NM_052872	IL17F	0.353475692866879	0	2.00E-04	1	0.0014	0	NA	NA
NM_005235	ERBB4	0.353021353930032	0	2.00E-04	1	0.0014	0	NA	NA
NM_001042599	ERBB4	0.353021353930032	0	2.00E-04	1	0.0014	0	NA	NA
NM_181676	PPP2R2B	0.353021353930032	0	2.00E-04	1	0.0014	0	NA	NA
NM_181674	PPP2R2B	0.353021353930032	0	2.00E-04	1	0.0014	0	NA	NA
NM_020798	USP35	0.352567014993185	0	2.00E-04	1	0.0014	0	NA	NA
NM_005417	SRC	0.352567014993185	0	2.00E-04	1	0.0014	0	NA	NA
NM_014935	PLEKHA6	0.352567014993185	0	2.00E-04	1	0.0014	0	NA	NA
NM_004006	DMD	0.352112676056338	0	2.00E-04	1	0.0014	0	NA	NA
NR_024359	LINC00086	0.351658337119491	0	2.00E-04	1	0.0014	0	NA	NA
NM_014482	BMP10	0.351658337119491	0	2.00E-04	1	0.0014	0	NA	NA
NM_001163148	ETV1	0.448432530667878	0.0967741935483871	2.00E-04	1	0.0014	0	NA	NA
NM_145910	NEK11	0.351203998182644	0	2.00E-04	1	0.0014	0	NA	NA
NM_001146003	NEK11	0.351203998182644	0	2.00E-04	1	0.0014	0	NA	NA
NM_024800	NEK11	0.351203998182644	0	2.00E-04	1	0.0014	0	NA	NA
NM_001195685	LYPD6	0.36210813266697	0.0113584734211722	2.00E-04	1	0.0014	0	NA	NA
NR_046020	TMPRSS3	0.350749659245797	0	2.00E-04	1	0.0014	0	NA	NA
NM_001134403	CYB561D1	0.35029532030895	0	2.00E-04	1	0.0014	0	NA	NA
NM_001134402	CYB561D1	0.35029532030895	0	2.00E-04	1	0.0014	0	NA	NA
NM_001134404	CYB561D1	0.35029532030895	0	2.00E-04	1	0.0014	0	NA	NA
NM_182580	CYB561D1	0.35029532030895	0	2.00E-04	1	0.0014	0	NA	NA
NM_001134400	CYB561D1	0.35029532030895	0	2.00E-04	1	0.0014	0	NA	NA
NM_001006939	LRRC18	0.349840981372104	0	2.00E-04	1	0.0014	0	NA	NA
NM_022436	ABCG5	0.349386642435257	0	2.00E-04	1	0.0014	0	NA	NA
NM_000381	MID1	0.349386642435257	0	2.00E-04	1	0.0014	0	NA	NA
NM_033289	MID1	0.349386642435257	0	2.00E-04	1	0.0014	0	NA	NA
NM_138967	SCAMP5	0.34893230349841	0	2.00E-04	1	0.0014	0	NA	NA
NM_001178112	SCAMP5	0.34893230349841	0	2.00E-04	1	0.0014	0	NA	NA
NR_033660	SCAMP5	0.34893230349841	0	2.00E-04	1	0.0014	0	NA	NA
NM_001178111	SCAMP5	0.34893230349841	0	2.00E-04	1	0.0014	0	NA	NA
NM_173536	GABRG1	0.34893230349841	0	2.00E-04	1	0.0014	0	NA	NA

NM_023039	ANKRA2	0.34893230349841	0	2.00E-04	1	0.0014	0	NA	NA
NM_003887	ASAP2	0.348477964561563	0	2.00E-04	1	0.0014	0	NA	NA
NM_001135191	ASAP2	0.348477964561563	0	2.00E-04	1	0.0014	0	NA	NA
NM_002578	PAK3	0.348477964561563	0	0.0082	0.993	0.0741	0.0017	NA	NA
NM_004781	VAMP3	0.348023625624716	0	2.00E-04	1	0.0014	0	NA	NA
NM_001040084	ANXA8	0.348023625624716	0	2.00E-04	1	0.0014	0	NA	NA
NM_001271703	ANXA8	0.348023625624716	0	2.00E-04	1	0.0014	0	NA	NA
NM_001271702	ANXA8	0.348023625624716	0	2.00E-04	1	0.0014	0	NA	NA
NM_000301	PLG	0.347569286687869	0	2.00E-04	1	0.0014	0	NA	NA
NM_001168338	PLG	0.347569286687869	0	2.00E-04	1	0.0014	0	NA	NA
NR_103778	FLG-AS1	0.347114947751022	0	2.00E-04	1	0.0014	0	NA	NA
NM_001271014	KTN1	0.503861880963199	0.157201272149023	2.00E-04	1	0.0014	0	NA	NA
NM_001079521	KTN1	0.503861880963199	0.157201272149023	2.00E-04	1	0.0014	0	NA	NA
NM_004986	KTN1	0.503861880963199	0.157201272149023	2.00E-04	1	0.0014	0	NA	NA
NM_001079522	KTN1	0.503861880963199	0.157201272149023	2.00E-04	1	0.0014	0	NA	NA
NR_073129	KTN1	0.503861880963199	0.157201272149023	2.00E-04	1	0.0014	0	NA	NA
NR_073128	KTN1	0.503861880963199	0.157201272149023	2.00E-04	1	0.0014	0	NA	NA
NM_001244676	THNSL2	0.346660608814175	0	0.0018	0.9998	0.0126	4.00E-04	NA	NA
NM_001244678	THNSL2	0.346660608814175	0	4.00E-04	0.9996	0.0038	1.00E-04	NA	NA
NM_016568	RXFP3	0.346660608814175	0	2.00E-04	1	0.0014	0	NA	NA
NM_001040704	DEFB106B	0.346660608814175	0	2.00E-04	1	0.0014	0	NA	NA
NM_152251	DEFB106A	0.346660608814175	0	2.00E-04	1	0.0014	0	NA	NA
NM_001164507	NEB	0.345751930940482	0	2.00E-04	1	0.0014	0	NA	NA
NM_001271208	NEB	0.345751930940482	0	2.00E-04	1	0.0014	0	NA	NA
NM_001164508	NEB	0.345751930940482	0	2.00E-04	1	0.0014	0	NA	NA
NM_004543	NEB	0.345751930940482	0	2.00E-04	1	0.0014	0	NA	NA
NR_033702	MYNN	0.345297592003635	0	2.00E-04	1	0.0014	0	NA	NA
NM_001185118	MYNN	0.345297592003635	0	2.00E-04	1	0.0014	0	NA	NA
NR_033703	MYNN	0.345297592003635	0	2.00E-04	1	0.0014	0	NA	NA
NM_018657	MYNN	0.345297592003635	0	2.00E-04	1	0.0014	0	NA	NA
NM_173520	C9orf62	0.345297592003635	0	0.0084	1	0.0741	0.0017	NA	NA
NM_016215	EGFL7	0.345297592003635	0	0.0022	0.9976	0.0173	5.00E-04	NA	NA
NR_045110	EGFL7	0.345297592003635	0	0.0024	0.9976	0.0173	5.00E-04	NA	NA
NR_045111	EGFL7	0.345297592003635	0	0.0026	0.9982	0.0173	5.00E-04	NA	NA
NM_152586	USP54	0.345297592003635	0	2.00E-04	1	0.0014	0	NA	NA
NM_030958	SLC05A1	0.344843253066788	0	2.00E-04	1	0.0014	0	NA	NA
NM_153226	SLC35G1	0.422535211267606	0.0781462971376647	4.00E-04	0.9992	0.0038	1.00E-04	NA	NA
NM_001134658	SLC35G1	0.422535211267606	0.0781462971376647	4.00E-04	1	0.0038	1.00E-04	NA	NA
NM_007062	PWP1	0.344388914129941	0	2.00E-04	1	0.0014	0	NA	NA
NM_130436	DYRK1A	0.344388914129941	0	2.00E-04	1	0.0014	0	NA	NA
NM_207444	C15orf53	0.343934575193094	0	2.00E-04	1	0.0014	0	NA	NA
NM_015035	ZHX3	0.343934575193094	0	2.00E-04	1	0.0014	0	NA	NA
NM_198889	ANKRD17	0.343934575193094	0	2.00E-04	1	0.0014	0	NA	NA
NM_032217	ANKRD17	0.343934575193094	0	2.00E-04	1	0.0014	0	NA	NA

NR_046416	USP17L9P	0.343480236256247	0	1	2.00E-04	1	0.1626	NA	NA
NM_001164459	ACTR3C	0.343480236256247	0	2.00E-04	1	0.0014	0	NA	NA
NM_212559	XKRX	0.343480236256247	0	2.00E-04	1	0.0014	0	NA	NA
NM_000773	CYP2E1	0.3430258973194	0	2.00E-04	0.9998	0.0014	0	NA	NA
NM_001007026	ATN1	0.3430258973194	0	2.00E-04	1	0.0014	0	NA	NA
NM_001256855	USP17L13	0.3430258973194	0	1	2.00E-04	1	0.1626	NA	NA
NM_001256857	USP17L17	0.3430258973194	0	1	2.00E-04	1	0.1626	NA	NA
NR_027279	USP17L6P	0.3430258973194	0	1	2.00E-04	1	0.1626	NA	NA
NM_000990	RPL27A	0.346206269877328	0.00318037255792821	2.00E-04	1	0.0014	0	NA	NA
NM_020995	HPR	0.342571558382553	0	2.00E-04	1	0.0014	0	NA	NA
NM_178828	SPATA31E1	0.342571558382553	0	2.00E-04	1	0.0014	0	NA	NA
NM_001080500	VWC2L	0.342117219445706	0	2.00E-04	1	0.0014	0	NA	NA
NM_001114619	MGAT1	0.342117219445706	0	2.00E-04	1	0.0014	0	NA	NA
NM_001114620	MGAT1	0.342117219445706	0	8.00E-04	1	0.0046	2.00E-04	NA	NA
NM_001040448	DEFB131	0.34166288050886	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004452	OR1J4	0.34166288050886	0	2.00E-04	1	0.0014	0	NA	NA
NM_001496	GFRA3	0.34166288050886	0	2.00E-04	1	0.0014	0	NA	NA
NM_001281746	MLIP	0.341208541572013	0	2.00E-04	1	0.0014	0	NA	NA
NM_138569	MLIP	0.341208541572013	0	2.00E-04	1	0.0014	0	NA	NA
NM_001195396	ARL4A	0.341208541572013	0	2.00E-04	1	0.0014	0	NA	NA
NM_005738	ARL4A	0.341208541572013	0	2.00E-04	1	0.0014	0	NA	NA
NM_212460	ARL4A	0.341208541572013	0	2.00E-04	1	0.0014	0	NA	NA
NM_001037164	ARL4A	0.341208541572013	0	2.00E-04	1	0.0014	0	NA	NA
NM_007160	OR2H2	0.340754202635166	0	2.00E-04	1	0.0014	0	NA	NA
NR_026773	C6orf123	0.340754202635166	0	2.00E-04	1	0.0014	0	NA	NA
NR_037873	ZHX1	0.340754202635166	0	2.00E-04	1	0.0014	0	NA	NA
NM_173828	RELL2	0.340299863698319	0	2.00E-04	1	0.0014	0	NA	NA
NM_001130029	RELL2	0.340299863698319	0	2.00E-04	1	0.0014	0	NA	NA
NM_005723	TSPAN5	0.340299863698319	0	2.00E-04	1	0.0014	0	NA	NA
NM_206852	RTN1	0.339845524761472	0	2.00E-04	1	0.0014	0	NA	NA
NM_021013	KRT34	0.339845524761472	0	2.00E-04	1	0.0014	0	NA	NA
NM_001037663	EEF1B2	0.339391185824625	0	2.00E-04	1	0.0014	0	NA	NA
NM_021121	EEF1B2	0.339391185824625	0	2.00E-04	1	0.0014	0	NA	NA
NM_001959	EEF1B2	0.339391185824625	0	2.00E-04	1	0.0014	0	NA	NA
NM_001080976	DSE	0.339391185824625	0	2.00E-04	1	0.0014	0	NA	NA
NM_001256497	CYP3A7-CYP3AP1	0.339391185824625	0	2.00E-04	1	0.0014	0	NA	NA
NM_000765	CYP3A7	0.339391185824625	0	2.00E-04	1	0.0014	0	NA	NA
NR_026900	FLJ23867	0.338936846887778	0	0.0026	1	0.0173	5.00E-04	NA	NA
NM_001080533	UNC119B	0.338936846887778	0	2.00E-04	1	0.0014	0	NA	NA
NM_001098494	ZNF419	0.338936846887778	0	2.00E-04	1	0.0014	0	NA	NA
NM_001098496	ZNF419	0.338936846887778	0	2.00E-04	1	0.0014	0	NA	NA
NM_001098495	ZNF419	0.338936846887778	0	2.00E-04	1	0.0014	0	NA	NA
NM_001098491	ZNF419	0.338936846887778	0	2.00E-04	1	0.0014	0	NA	NA
NM_001098493	ZNF419	0.338936846887778	0	2.00E-04	1	0.0014	0	NA	NA

NM_001098492	ZNF419	0.338936846887778	0	2.00E-04	1	0.0014	0	NA	NA
NM_024691	ZNF419	0.338936846887778	0	2.00E-04	1	0.0014	0	NA	NA
NM_001727	BRS3	0.338936846887778	0	2.00E-04	1	0.0014	0	NA	NA
NM_001005187	OR6T1	0.338936846887778	0	2.00E-04	1	0.0014	0	NA	NA
NM_002797	PSMB5	0.338936846887778	0	2.00E-04	1	0.0014	0	NA	NA
NM_001144932	PSMB5	0.338936846887778	0	2.00E-04	1	0.0014	0	NA	NA
NR_003246	GOLGA6L5	0.338936846887778	0	2.00E-04	1	0.0014	0	NA	NA
NM_001243144	NUSAP1	0.338482507950931	0	2.00E-04	1	0.0014	0	NA	NA
NM_001243143	NUSAP1	0.338482507950931	0	2.00E-04	1	0.0014	0	NA	NA
NM_018454	NUSAP1	0.338482507950931	0	2.00E-04	1	0.0014	0	NA	NA
NM_001243142	NUSAP1	0.338482507950931	0	2.00E-04	1	0.0014	0	NA	NA
NM_016359	NUSAP1	0.338482507950931	0	2.00E-04	1	0.0014	0	NA	NA
NM_001085411	NADK2	0.338482507950931	0	2.00E-04	1	0.0014	0	NA	NA
NM_020185	DUSP22	0.338028169014085	0	2.00E-04	1	0.0014	0	NA	NA
NM_001023567	GOLGA8B	0.360745115856429	0.0227169468423444	2.00E-04	1	0.0014	0	NA	NA
NM_001167741	MTX3	0.338028169014085	0.000454338936846888	2.00E-04	1	0.0014	0	NA	NA
NM_001010891	MTX3	0.338028169014085	0.000454338936846888	2.00E-04	1	0.0014	0	NA	NA
NM_004842	AKAP7	0.337573830077238	0	2.00E-04	1	0.0014	0	NA	NA
NM_138633	AKAP7	0.337573830077238	0	2.00E-04	1	0.0014	0	NA	NA
NM_153747	PIGC	0.337119491140391	0	2.00E-04	1	0.0014	0	NA	NA
NM_002642	PIGC	0.337119491140391	0	2.00E-04	1	0.0014	0	NA	NA
NR_030600	MIR190B	0.374829622898682	0.0377101317582917	0.0112	0.991	0.0741	0.0022	NA	NA
NM_001159495	BANF2	0.336665152203544	0	2.00E-04	1	0.0014	0	NA	NA
NM_001005339	RGS10	0.336665152203544	0	2.00E-04	1	0.0014	0	NA	NA
NM_001503	GPLD1	0.336665152203544	0	2.00E-04	1	0.0014	0	NA	NA
NM_203347	LCN15	0.336665152203544	0	2.00E-04	1	0.0014	0	NA	NA
NM_001261419	IL1R2	0.336210813266697	0	0.0076	0.9894	0.0741	0.0015	NA	NA
NM_004633	IL1R2	0.336210813266697	0	0.0084	0.991	0.0741	0.0017	NA	NA
NM_001040282	TBC1D3G	0.336210813266697	0	2.00E-04	1	0.0014	0	NA	NA
NM_001283035	RTFDC1	0.33575647432985	0	2.00E-04	1	0.0014	0	NA	NA
NM_001283036	RTFDC1	0.33575647432985	0	2.00E-04	1	0.0014	0	NA	NA
NM_001283037	RTFDC1	0.33575647432985	0	2.00E-04	1	0.0014	0	NA	NA
NM_016407	RTFDC1	0.33575647432985	0	2.00E-04	1	0.0014	0	NA	NA
NM_020741	KIAA1257	0.33575647432985	0	2.00E-04	1	0.0014	0	NA	NA
NM_001035513	SDHC	0.392094502498864	0.0563380281690141	2.00E-04	1	0.0014	0	NA	NA
NM_001278172	SDHC	0.392094502498864	0.0563380281690141	2.00E-04	1	0.0014	0	NA	NA
NM_003001	SDHC	0.392094502498864	0.0563380281690141	2.00E-04	1	0.0014	0	NA	NA
NM_001035512	SDHC	0.392094502498864	0.0563380281690141	2.00E-04	1	0.0014	0	NA	NA
NM_001035511	SDHC	0.392094502498864	0.0563380281690141	2.00E-04	1	0.0014	0	NA	NA
NR_103459	SDHC	0.392094502498864	0.0563380281690141	2.00E-04	1	0.0014	0	NA	NA
NM_001190892	PDYN	0.335302135393003	0	2.00E-04	1	0.0014	0	NA	NA
NM_198859	PRICKLE2	0.334847796456156	0	2.00E-04	1	0.0014	0	NA	NA
NM_024768	EFCC1	0.426624261699228	0.0922308041799182	2.00E-04	1	0.0014	0	NA	NA
NM_005863	NET1	0.334393457519309	0	2.00E-04	1	0.0014	0	NA	NA

NR_073040	NET1	0.334393457519309	0	2.00E-04	1	0.0014	0	NA	NA
NM_006567	FARS2	0.334393457519309	0	2.00E-04	1	0.0014	0	NA	NA
NM_001242673	AHCYL1	0.333939118582463	0	2.00E-04	1	0.0014	0	NA	NA
NM_006621	AHCYL1	0.333939118582463	0	2.00E-04	1	0.0014	0	NA	NA
NM_144614	MBD3L2	0.333939118582463	0	2.00E-04	1	0.0014	0	NA	NA
NR_104162	LOC283045	0.333939118582463	0	2.00E-04	1	0.0014	0	NA	NA
NM_001134672	FAM204A	0.333939118582463	0	2.00E-04	1	0.0014	0	NA	NA
NM_022063	FAM204A	0.333939118582463	0	2.00E-04	1	0.0014	0	NA	NA
NM_001190900	PDYN	0.333939118582463	0	2.00E-04	1	0.0014	0	NA	NA
NR_024564	LOC100130264	0.333939118582463	0	2.00E-04	1	0.0014	0	NA	NA
NR_036082	MIR3132	0.3430258973194	0.00908677873693776	2.00E-04	1	0.0014	0	NA	NA
NM_001025077	CELF2	0.333484779645616	0	2.00E-04	0.9998	0.0014	0	NA	NA
NM_004426	PHC1	0.333030440708769	0	2.00E-04	1	0.0014	0	NA	NA
NM_031451	TEX101	0.333030440708769	0	2.00E-04	1	0.0014	0	NA	NA
NM_004771	MMP20	0.333030440708769	0	2.00E-04	1	0.0014	0	NA	NA
NM_001281806	FSD2	0.333030440708769	0	2.00E-04	1	0.0014	0	NA	NA
NM_001007122	FSD2	0.333030440708769	0	2.00E-04	1	0.0014	0	NA	NA
NM_001281805	FSD2	0.333030440708769	0	2.00E-04	1	0.0014	0	NA	NA
NM_001243429	ERG	0.333030440708769	0	2.00E-04	1	0.0014	0	NA	NA
NM_001199573	TRIM22	0.332121762835075	0	2.00E-04	1	0.0014	0	NA	NA
NM_006074	TRIM22	0.332121762835075	0	2.00E-04	1	0.0014	0	NA	NA
NM_006993	NPM3	0.332121762835075	0	2.00E-04	1	0.0014	0	NA	NA
NM_001033714	NOP2	0.332121762835075	0	2.00E-04	1	0.0014	0	NA	NA
NM_001258310	NOP2	0.332121762835075	0	2.00E-04	1	0.0014	0	NA	NA
NM_006170	NOP2	0.332121762835075	0	2.00E-04	1	0.0014	0	NA	NA
NM_001258308	NOP2	0.332121762835075	0	2.00E-04	1	0.0014	0	NA	NA
NM_001258309	NOP2	0.332121762835075	0	2.00E-04	1	0.0014	0	NA	NA
NR_039904	MIR4749	0.331667423898228	0	2.00E-04	1	0.0014	0	NA	NA
NM_198689	KRTAP10-7	0.331667423898228	0	2.00E-04	1	0.0014	0	NA	NA
NR_026856	LINC01011	0.331667423898228	0	2.00E-04	1	0.0014	0	NA	NA
NR_026855	LINC01011	0.331667423898228	0	2.00E-04	1	0.0014	0	NA	NA
NM_002748	MAPK6	0.331213084961381	0	2.00E-04	1	0.0014	0	NA	NA
NM_006687	ACTL7A	0.331213084961381	0	0.0128	0.9888	0.083	0.0026	NA	NA
NM_001282645	PRKCQ	0.331213084961381	0	2.00E-04	1	0.0014	0	NA	NA
NM_006257	PRKCQ	0.331213084961381	0	2.00E-04	1	0.0014	0	NA	NA
NM_001282644	PRKCQ	0.331213084961381	0	2.00E-04	1	0.0014	0	NA	NA
NM_001242413	PRKCQ	0.331213084961381	0	2.00E-04	1	0.0014	0	NA	NA
NM_017611	SLC43A3	0.331213084961381	0	2.00E-04	1	0.0014	0	NA	NA
NM_176822	NLRP14	0.330758746024534	0	2.00E-04	1	0.0014	0	NA	NA
NM_080671	KCNE4	0.330758746024534	0	2.00E-04	1	0.0014	0	NA	NA
NM_005193	CDX4	0.330758746024534	0	2.00E-04	1	0.0014	0	NA	NA
NM_001080137	CT47A10	0.480690595184007	0.149931849159473	2.00E-04	1	0.0014	0	NA	NA
NM_001080146	CT47A1	0.480690595184007	0.149931849159473	2.00E-04	1	0.0014	0	NA	NA
NM_001080139	CT47A8	0.480690595184007	0.149931849159473	2.00E-04	1	0.0014	0	NA	NA

NM_001080141	<i>CT47A6</i>	0.480690595184007	0.149931849159473	2.00E-04	1	0.0014	0	NA	NA
NM_001144929	<i>NKIRAS2</i>	0.330304407087687	0	2.00E-04	1	0.0014	0	NA	NA
NM_001144928	<i>NKIRAS2</i>	0.330304407087687	0	2.00E-04	1	0.0014	0	NA	NA
NM_001144927	<i>NKIRAS2</i>	0.330304407087687	0	2.00E-04	1	0.0014	0	NA	NA
NM_017595	<i>NKIRAS2</i>	0.330304407087687	0	2.00E-04	1	0.0014	0	NA	NA
NM_152765	<i>C8orf46</i>	0.330304407087687	0	2.00E-04	1	0.0014	0	NA	NA
NM_001159642	<i>BNIP1</i>	0.329850068150841	0	2.00E-04	1	0.0014	0	NA	NA
NM_138278	<i>BNIP1</i>	0.329850068150841	0	2.00E-04	1	0.0014	0	NA	NA
NM_001160174	<i>NAT1</i>	0.329395729213994	0	2.00E-04	1	0.0014	0	NA	NA
NM_012144	<i>DNAI1</i>	0.329395729213994	0	2.00E-04	1	0.0014	0	NA	NA
NM_001281428	<i>DNAI1</i>	0.329395729213994	0	2.00E-04	1	0.0014	0	NA	NA
NM_001122819	<i>KIF17</i>	0.329395729213994	0	2.00E-04	1	0.0014	0	NA	NA
NM_020816	<i>KIF17</i>	0.329395729213994	0	2.00E-04	1	0.0014	0	NA	NA
NM_002313	<i>ABLIM1</i>	0.329395729213994	0	2.00E-04	1	0.0014	0	NA	NA
NM_001001802	<i>OR2A42</i>	0.329395729213994	0	2.00E-04	1	0.0014	0	NA	NA
NR_003678	<i>NCOR1P1</i>	0.328941390277147	0	2.00E-04	1	0.0014	0	NA	NA
NM_001193379	<i>UCKL1</i>	0.328941390277147	0	2.00E-04	1	0.0014	0	NA	NA
NR_027287	<i>UCKL1-AS1</i>	0.3284870513403	0	2.00E-04	1	0.0014	0	NA	NA
NM_005325	<i>HIST1H1A</i>	0.328032712403453	0	2.00E-04	1	0.0014	0	NA	NA
NM_017857	<i>SSH3</i>	0.327578373466606	0	2.00E-04	1	0.0014	0	NA	NA
NM_183377	<i>ASIC2</i>	0.327578373466606	0	0.0056	0.9942	0.0554	0.0011	NA	NA
NM_001025252	<i>TPD52</i>	0.327578373466606	0	2.00E-04	1	0.0014	0	NA	NA
NM_175057	<i>TAAR9</i>	0.327124034529759	0	2.00E-04	1	0.0014	0	NA	NA
NM_001081443	<i>LILRB5</i>	0.327124034529759	0	2.00E-04	1	0.0014	0	NA	NA
NM_006840	<i>LILRB5</i>	0.327124034529759	0	2.00E-04	1	0.0014	0	NA	NA
NM_001081442	<i>LILRB5</i>	0.327124034529759	0	2.00E-04	1	0.0014	0	NA	NA
NM_171829	<i>KCNMB3</i>	0.327124034529759	0	2.00E-04	1	0.0014	0	NA	NA
NR_028135	<i>KCNMB3</i>	0.327124034529759	0	2.00E-04	1	0.0014	0	NA	NA
NR_036149	<i>MIR3184</i>	0.326669695592912	0	2.00E-04	1	0.0014	0	NA	NA
NM_000661	<i>RPL9</i>	0.326669695592912	0	2.00E-04	1	0.0014	0	NA	NA
NM_001085401	<i>C6orf201</i>	0.326215356656065	0	2.00E-04	1	0.0014	0	NA	NA
NM_001284330	<i>POLM</i>	0.325761017719219	0	2.00E-04	1	0.0014	0	NA	NA
NM_001284331	<i>POLM</i>	0.325761017719219	0	2.00E-04	1	0.0014	0	NA	NA
NM_013284	<i>POLM</i>	0.325761017719219	0	2.00E-04	1	0.0014	0	NA	NA
NR_104299	<i>POLM</i>	0.325761017719219	0	2.00E-04	1	0.0014	0	NA	NA
NM_005313	<i>PDIA3</i>	0.325306678782372	0	2.00E-04	1	0.0014	0	NA	NA
NR_002971	<i>SNORA38</i>	0.325306678782372	0	2.00E-04	1	0.0014	0	NA	NA
NR_036178	<i>MIR4296</i>	0.325306678782372	0	2.00E-04	1	0.0014	0	NA	NA
NM_152723	<i>CCDC89</i>	0.325306678782372	0	2.00E-04	1	0.0014	0	NA	NA
NM_001198621	<i>XIRP1</i>	0.325306678782372	0	2.00E-04	1	0.0014	0	NA	NA
NM_194293	<i>XIRP1</i>	0.325306678782372	0	6.00E-04	1	0.0043	1.00E-04	NA	NA
NR_002763	<i>CPS1-IT1</i>	0.324852339845525	0	2.00E-04	1	0.0014	0	NA	NA
NM_198486	<i>RPL7L1</i>	0.324852339845525	0	2.00E-04	1	0.0014	0	NA	NA
NM_014080	<i>DUOX2</i>	0.324852339845525	0	2.00E-04	1	0.0014	0	NA	NA



NM_080282	ABCA10	0.324852339845525	0	2.00E-04	1	0.0014	0	NA	NA
NM_000869	HTR3A	0.324398000908678	0	2.00E-04	1	0.0014	0	NA	NA
NR_046363	HTR3A	0.324398000908678	0	2.00E-04	1	0.0014	0	NA	NA
NM_213621	HTR3A	0.324398000908678	0	2.00E-04	1	0.0014	0	NA	NA
NM_001258030	GSN	0.324398000908678	0	2.00E-04	1	0.0014	0	NA	NA
NM_007156	ZXDA	0.324398000908678	0	0.0072	0.9936	0.0741	0.0015	NA	NA
NM_001204478	TVP23C-CDRT4	0.512039981826443	0.188096319854612	2.00E-04	1	0.0014	0	NA	NA
NR_037924	TVP23C-CDRT4	0.512039981826443	0.188096319854612	2.00E-04	1	0.0014	0	NA	NA
NM_001135036	TVP23C	0.512039981826443	0.188096319854612	2.00E-04	1	0.0014	0	NA	NA
NM_145301	TVP23C	0.512039981826443	0.188096319854612	2.00E-04	1	0.0014	0	NA	NA
NM_182703	ANKDD1A	0.323489323034984	0	2.00E-04	1	0.0014	0	NA	NA
NM_031303	KATNAL2	0.323489323034984	0	2.00E-04	1	0.0014	0	NA	NA
NM_001018116	MURC	0.549750113584734	0.22626079054975	2.00E-04	1	0.0014	0	1	0.1223
NM_152430	OR51E1	0.323034984098137	0	2.00E-04	1	0.0014	0	NA	NA
NM_001143959	C2orf74	0.323034984098137	0	2.00E-04	1	0.0014	0	NA	NA
NM_018952	HOXB6	0.323034984098137	0	4.00E-04	0.9998	0.0038	1.00E-04	NA	NA
NM_001130033	PLEKHB1	0.322126306224443	0	2.00E-04	1	0.0014	0	NA	NA
NM_021200	PLEKHB1	0.322126306224443	0	2.00E-04	1	0.0014	0	NA	NA
NR_002574	SNORD102	0.322126306224443	0	6.00E-04	1	0.0043	1.00E-04	NA	NA
NM_001265595	PFDN6	0.322126306224443	0	2.00E-04	1	0.0014	0	NA	NA
NM_014260	PFDN6	0.322126306224443	0	2.00E-04	1	0.0014	0	NA	NA
NM_001185181	PFDN6	0.322126306224443	0	2.00E-04	1	0.0014	0	NA	NA
NM_001265596	PFDN6	0.322126306224443	0	2.00E-04	1	0.0014	0	NA	NA
NM_014437	SLC39A1	0.322126306224443	0	2.00E-04	1	0.0014	0	NA	NA
NM_001271960	SLC39A1	0.322126306224443	0	2.00E-04	1	0.0014	0	NA	NA
NM_182562	FAM169B	0.322126306224443	0	2.00E-04	1	0.0014	0	NA	NA
NM_015584	POLDIP2	0.322126306224443	0	2.00E-04	1	0.0014	0	NA	NA
NM_001135670	MSRA	0.321671967287597	0	2.00E-04	1	0.0014	0	NA	NA
NM_012331	MSRA	0.321671967287597	0	2.00E-04	1	0.0014	0	NA	NA
NM_001134888	RTL1	0.321671967287597	0	2.00E-04	1	0.0014	0	NA	NA
NM_173553	TRIML2	0.321671967287597	0	2.00E-04	1	0.0014	0	NA	NA
NM_001122824	TACC1	0.344843253066788	0.0236256247160382	2.00E-04	1	0.0014	0	NA	NA
NM_006283	TACC1	0.344843253066788	0.0236256247160382	2.00E-04	1	0.0014	0	NA	NA
NM_024686	TTL7	0.320763289413903	0	2.00E-04	1	0.0014	0	NA	NA
NM_030770	TMPRSS5	0.320763289413903	0	2.00E-04	1	0.0014	0	NA	NA
NM_000512	GALNS	0.320763289413903	0	2.00E-04	1	0.0014	0	NA	NA
NM_005963	MYH1	0.450249886415266	0.129486597001363	4.00E-04	1	0.0038	1.00E-04	NA	NA
NM_001145113	MYADML2	0.320763289413903	0	2.00E-04	1	0.0014	0	NA	NA
NM_000737	CGB	0.320763289413903	0	2.00E-04	1	0.0014	0	NA	NA
NM_014406	CCT8L2	0.320763289413903	0	2.00E-04	1	0.0014	0	NA	NA
NM_033071	SYNE1	0.320763289413903	0	2.00E-04	1	0.0014	0	NA	NA
NM_182961	SYNE1	0.320763289413903	0	2.00E-04	1	0.0014	0	NA	NA
NM_001680	FXYD2	0.320308950477056	0	2.00E-04	1	0.0014	0	NA	NA
NR_039676	MIR4466	0.320308950477056	0	2.00E-04	1	0.0014	0	NA	NA

NM_033083	<i>EAF1</i>	0.37074057246706	0.0504316219900045	2.00E-04	1	0.0014	0	NA	NA
NM_001163646	<i>HTR3D</i>	0.332576101771922	0.0127214902317129	2.00E-04	1	0.0014	0	NA	NA
NM_183378	<i>OVCH1</i>	0.319854611540209	0	2.00E-04	1	0.0014	0	NA	NA
NM_001173455	<i>PDHA1</i>	0.319400272603362	0	2.00E-04	1	0.0014	0	NA	NA
NM_000284	<i>PDHA1</i>	0.319400272603362	0	2.00E-04	1	0.0014	0	NA	NA
NM_001173456	<i>PDHA1</i>	0.319400272603362	0	2.00E-04	1	0.0014	0	NA	NA
NM_001173454	<i>PDHA1</i>	0.319400272603362	0	2.00E-04	1	0.0014	0	NA	NA
NM_001252608	<i>THBS3</i>	0.319400272603362	0	2.00E-04	1	0.0014	0	NA	NA
NM_007112	<i>THBS3</i>	0.319400272603362	0	2.00E-04	1	0.0014	0	NA	NA
NM_001252607	<i>THBS3</i>	0.319400272603362	0	2.00E-04	1	0.0014	0	NA	NA
NR_045553	<i>THBS3</i>	0.319400272603362	0	2.00E-04	1	0.0014	0	NA	NA
NM_018833	<i>TAP2</i>	0.337119491140391	0.0181735574738755	2.00E-04	1	0.0014	0	NA	NA
NM_000544	<i>TAP2</i>	0.337119491140391	0.0181735574738755	2.00E-04	1	0.0014	0	NA	NA
NR_033169	<i>GALNTL5</i>	0.318491594729668	0	2.00E-04	1	0.0014	0	NA	NA
NM_145292	<i>GALNTL5</i>	0.318491594729668	0	2.00E-04	1	0.0014	0	NA	NA
NM_178007	<i>STAR13</i>	0.318491594729668	0	8.00E-04	0.9998	0.0046	2.00E-04	NA	NA
NM_001243466	<i>STAR13</i>	0.318491594729668	0	4.00E-04	1	0.0038	1.00E-04	NA	NA
NM_032857	<i>LACTB</i>	0.318037255792821	0	2.00E-04	1	0.0014	0	NA	NA
NM_171846	<i>LACTB</i>	0.318037255792821	0	2.00E-04	1	0.0014	0	NA	NA
NM_003101	<i>SOAT1</i>	0.317582916855975	0	2.00E-04	1	0.0014	0	NA	NA
NM_001252512	<i>SOAT1</i>	0.317582916855975	0	2.00E-04	1	0.0014	0	NA	NA
NM_001252511	<i>SOAT1</i>	0.317582916855975	0	2.00E-04	1	0.0014	0	NA	NA
NR_045530	<i>SOAT1</i>	0.317582916855975	0	2.00E-04	1	0.0014	0	NA	NA
NR_033298	<i>CCDC163P</i>	0.317582916855975	0	2.00E-04	1	0.0014	0	NA	NA
NR_033297	<i>CCDC163P</i>	0.317582916855975	0	2.00E-04	1	0.0014	0	NA	NA
NR_033296	<i>CCDC163P</i>	0.317582916855975	0	2.00E-04	1	0.0014	0	NA	NA
NM_001100170	<i>IMMT</i>	0.317128577919128	0	2.00E-04	1	0.0014	0	NA	NA
NM_006839	<i>IMMT</i>	0.317128577919128	0	2.00E-04	1	0.0014	0	NA	NA
NM_001100169	<i>IMMT</i>	0.317128577919128	0	2.00E-04	1	0.0014	0	NA	NA
NM_001030019	<i>SUN3</i>	0.317128577919128	0	2.00E-04	1	0.0014	0	NA	NA
NM_152782	<i>SUN3</i>	0.317128577919128	0	2.00E-04	1	0.0014	0	NA	NA
NM_001284350	<i>SUN3</i>	0.317128577919128	0	2.00E-04	1	0.0014	0	NA	NA
NM_022368	<i>PJA1</i>	0.316674238982281	0	2.00E-04	1	0.0014	0	NA	NA
NM_001032396	<i>PJA1</i>	0.316674238982281	0	2.00E-04	1	0.0014	0	NA	NA
NM_145119	<i>PJA1</i>	0.316674238982281	0	2.00E-04	1	0.0014	0	NA	NA
NM_001252120	<i>PASK</i>	0.34166288050886	0.0254429804634257	2.00E-04	1	0.0014	0	NA	NA
NM_152464	<i>TMEM199</i>	0.316219900045434	0	2.00E-04	1	0.0014	0	NA	NA
NR_026663	<i>GLIS3-AS1</i>	0.316219900045434	0	2.00E-04	1	0.0014	0	NA	NA
NM_033188	<i>KRTAP4-5</i>	0.316219900045434	0	2.00E-04	1	0.0014	0	NA	NA
NM_032180	<i>FAM161A</i>	0.316219900045434	0	2.00E-04	1	0.0014	0	NA	NA
NR_037710	<i>FAM161A</i>	0.316219900045434	0	2.00E-04	1	0.0014	0	NA	NA
NM_001201543	<i>FAM161A</i>	0.316219900045434	0	2.00E-04	1	0.0014	0	NA	NA
NM_152677	<i>ZSCAN4</i>	0.315765561108587	0	2.00E-04	1	0.0014	0	NA	NA
NM_014236	<i>GNPAT</i>	0.31531122217174	0	2.00E-04	1	0.0014	0	NA	NA

NM_001145112	PATL2	0.31531122217174	0	2.00E-04	1	0.0014	0	NA	NA
NM_001244638	ARID5B	0.314856883234893	0	2.00E-04	1	0.0014	0	NA	NA
NR_026812	RUNX1-IT1	0.314856883234893	0	0.0032	0.9968	0.0173	7.00E-04	NA	NA
NM_000699	AMY2A	0.314402544298046	0	2.00E-04	1	0.0014	0	NA	NA
NM_000056	BCKDHB	0.314402544298046	0	2.00E-04	1	0.0014	0	NA	NA
NM_183050	BCKDHB	0.314402544298046	0	2.00E-04	1	0.0014	0	NA	NA
NM_012130	CLDN14	0.314402544298046	0	2.00E-04	1	0.0014	0	NA	NA
NM_001098802	CEP78	0.313948205361199	0	2.00E-04	1	0.0014	0	NA	NA
NM_032171	CEP78	0.313948205361199	0	2.00E-04	1	0.0014	0	NA	NA
NM_001271664	LOC440243	0.313948205361199	0	2.00E-04	1	0.0014	0	NA	NA
NM_203458	NOTCH2NL	0.313493866424353	0	2.00E-04	1	0.0014	0	NA	NA
NM_004838	HOMER3	0.313493866424353	0	2.00E-04	1	0.0014	0	NA	NA
NM_013247	HTRA2	0.3430258973194	0.0295320308950477	4.00E-04	1	0.0038	1.00E-04	NA	NA
NM_145074	HTRA2	0.3430258973194	0.0295320308950477	2.00E-04	0.9998	0.0014	0	NA	NA
NM_203459	CAMSAP2	0.313039527487506	0	2.00E-04	1	0.0014	0	NA	NA
NM_001199868	GLRX3	0.313039527487506	0	2.00E-04	1	0.0014	0	NA	NA
NM_006541	GLRX3	0.313039527487506	0	2.00E-04	1	0.0014	0	NA	NA
NM_014734	KIAA0247	0.313039527487506	0	2.00E-04	1	0.0014	0	NA	NA
NM_016329	SFMBT1	0.313039527487506	0	2.00E-04	1	0.0014	0	NA	NA
NM_175884	CCDC71L	0.313039527487506	0	2.00E-04	1	0.0014	0	NA	NA
NM_019120	PCDHB8	0.312585188550659	0	2.00E-04	1	0.0014	0	NA	NA
NM_014626	TAAR2	0.312585188550659	0	2.00E-04	1	0.0014	0	NA	NA
NM_174951	FAM9A	0.312585188550659	0	2.00E-04	1	0.0014	0	NA	NA
NM_001171186	FAM9A	0.312585188550659	0	2.00E-04	1	0.0014	0	NA	NA
NM_013280	FLRT1	0.312130849613812	0	2.00E-04	1	0.0014	0	NA	NA
NM_001201459	ZNF513	0.312130849613812	0	0.0022	0.9978	0.0173	5.00E-04	NA	NA
NM_144631	ZNF513	0.312130849613812	0	0.004	0.997	0.0346	8.00E-04	NA	NA
NM_001242575	LOC100130451	0.312130849613812	0	2.00E-04	1	0.0014	0	NA	NA
NM_017578	ROPN1	0.312130849613812	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004137	OR52M1	0.311676510676965	0	2.00E-04	1	0.0014	0	NA	NA
NM_022002	NR1I2	0.311676510676965	0	2.00E-04	1	0.0014	0	NA	NA
NM_001622	AHSG	0.311676510676965	0	2.00E-04	1	0.0014	0	NA	NA
NM_022304	HRH2	0.311676510676965	0	2.00E-04	1	0.0014	0	NA	NA
NM_033396	TNKS1BP1	0.311676510676965	0	2.00E-04	1	0.0014	0	NA	NA
NM_002146	HOXB3	0.311676510676965	0	2.00E-04	1	0.0014	0	NA	NA
NM_012114	CASP14	0.311222171740118	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004738	OR5L1	0.310767832803271	0	4.00E-04	1	0.0038	1.00E-04	NA	NA
NM_052939	FCRL3	0.310767832803271	0	2.00E-04	1	0.0014	0	NA	NA
NM_002981	CCL1	0.310767832803271	0	2.00E-04	1	0.0014	0	NA	NA
NR_026742	USP27X-AS1	0.310767832803271	0	2.00E-04	1	0.0014	0	NA	NA
NM_005861	STUB1	0.362562471603816	0.0522489777373921	2.00E-04	1	0.0014	0	NA	NA
NM_005260	GDF9	0.515220354384371	0.205361199454793	2.00E-04	1	0.0014	0	1	0.1223
NM_001184958	C3orf20	0.309859154929577	0	2.00E-04	1	0.0014	0	NA	NA
NM_001184957	C3orf20	0.309859154929577	0	2.00E-04	1	0.0014	0	NA	NA

NM_032137	<i>C3orf20</i>	0.309859154929577	0	2.00E-04	1	0.0014	0	NA	NA
NM_001098209	<i>CTNNB1</i>	0.309859154929577	0	2.00E-04	1	0.0014	0	NA	NA
NM_001098210	<i>CTNNB1</i>	0.309859154929577	0	2.00E-04	1	0.0014	0	NA	NA
NM_001904	<i>CTNNB1</i>	0.309859154929577	0	2.00E-04	1	0.0014	0	NA	NA
NM_014728	<i>FRMPD4</i>	0.309859154929577	0	2.00E-04	1	0.0014	0	NA	NA
NM_001003712	<i>OSBPL8</i>	0.309404815992731	0	2.00E-04	1	0.0014	0	NA	NA
NM_020841	<i>OSBPL8</i>	0.309404815992731	0	2.00E-04	1	0.0014	0	NA	NA
NM_201631	<i>TGM5</i>	0.309404815992731	0	0.001	0.9996	0.0104	2.00E-04	NA	NA
NM_004245	<i>TGM5</i>	0.309404815992731	0	0.0016	0.9994	0.0115	3.00E-04	NA	NA
NM_194249	<i>DND1</i>	0.309404815992731	0	2.00E-04	1	0.0014	0	NA	NA
NM_000956	<i>PTGER2</i>	0.308950477055884	0	2.00E-04	1	0.0014	0	NA	NA
NM_001135691	<i>SLC18A1</i>	0.367105860972285	0.0581553839164016	2.00E-04	1	0.0014	0	NA	NA
NM_001142325	<i>SLC18A1</i>	0.367105860972285	0.0581553839164016	2.00E-04	1	0.0014	0	NA	NA
NM_001142324	<i>SLC18A1</i>	0.367105860972285	0.0581553839164016	2.00E-04	1	0.0014	0	NA	NA
NM_003053	<i>SLC18A1</i>	0.367105860972285	0.0581553839164016	2.00E-04	1	0.0014	0	NA	NA
NM_018696	<i>ELAC1</i>	0.308496138119037	0	2.00E-04	1	0.0014	0	NA	NA
NM_000992	<i>RPL29</i>	0.308496138119037	0	2.00E-04	1	0.0014	0	NA	NA
NM_032279	<i>ATP13A4</i>	0.308496138119037	0	2.00E-04	1	0.0014	0	NA	NA
NM_001037172	<i>ACPL2</i>	0.362562471603816	0.0540663334847796	2.00E-04	1	0.0014	0	NA	NA
NM_001282728	<i>ACPL2</i>	0.362562471603816	0.0540663334847796	2.00E-04	1	0.0014	0	NA	NA
NM_152282	<i>ACPL2</i>	0.362562471603816	0.0540663334847796	2.00E-04	1	0.0014	0	NA	NA
NM_002935	<i>RNASE3</i>	0.30804179918219	0	2.00E-04	1	0.0014	0	NA	NA
NM_004162	<i>RAB5A</i>	0.435256701499318	0.127214902317129	2.00E-04	1	0.0014	0	NA	NA
NM_001005327	<i>OR6K3</i>	0.307587460245343	0	2.00E-04	1	0.0014	0	NA	NA
NM_014342	<i>MTCH2</i>	0.307587460245343	0	2.00E-04	1	0.0014	0	NA	NA
NM_002427	<i>MMP13</i>	0.307587460245343	0	2.00E-04	1	0.0014	0	NA	NA
NM_152375	<i>KLHDC7A</i>	0.307133121308496	0	4.00E-04	1	0.0038	1.00E-04	NA	NA
NM_018412	<i>ST7</i>	0.306678782371649	0	2.00E-04	1	0.0014	0	NA	NA
NM_021908	<i>ST7</i>	0.306678782371649	0	2.00E-04	1	0.0014	0	NA	NA
NR_002329	<i>ST7-OT4</i>	0.306678782371649	0	2.00E-04	1	0.0014	0	NA	NA
NM_001135652	<i>EIF2AK2</i>	0.305770104497955	0	2.00E-04	1	0.0014	0	NA	NA
NM_001004759	<i>OR51T1</i>	0.429350295320309	0.1240345297592	2.00E-04	1	0.0014	0	NA	NA
NM_021182	<i>HMHB1</i>	0.305315765561109	0	2.00E-04	1	0.0014	0	NA	NA
NM_001001821	<i>OR2T34</i>	0.305315765561109	0	2.00E-04	1	0.0014	0	NA	NA
NM_001012398	<i>AKTIP</i>	0.37664697864607	0.0717855520218083	2.00E-04	1	0.0014	0	NA	NA
NM_022476	<i>AKTIP</i>	0.37664697864607	0.0717855520218083	2.00E-04	1	0.0014	0	NA	NA
NM_001206626	<i>TRIM49B</i>	0.304407087687415	0	2.00E-04	1	0.0014	0	NA	NA
NM_001105522	<i>TRIM49D2P</i>	0.304407087687415	0	2.00E-04	1	0.0014	0	NA	NA
NR_026809	<i>FAM106A</i>	0.419809177646524	0.115402089959109	2.00E-04	1	0.0014	0	NA	NA
NM_005636	<i>SSX4</i>	0.304407087687415	0	2.00E-04	1	0.0014	0	NA	NA
NM_138731	<i>MIPOL1</i>	0.303952748750568	0	2.00E-04	1	0.0014	0	NA	NA
NM_001195297	<i>MIPOL1</i>	0.303952748750568	0	2.00E-04	1	0.0014	0	NA	NA
NM_001195296	<i>MIPOL1</i>	0.303952748750568	0	2.00E-04	1	0.0014	0	NA	NA
NM_001040703	<i>DEFB105B</i>	0.303952748750568	0	2.00E-04	1	0.0014	0	NA	NA

NM_152250	DEFB105A	0.303952748750568	0	2.00E-04	1	0.0014	0	NA	NA
NM_201629	TJP2	0.303952748750568	0	2.00E-04	1	0.0014	0	NA	NA
NM_001170630	TJP2	0.303952748750568	0	2.00E-04	1	0.0014	0	NA	NA
NM_004817	TJP2	0.303952748750568	0	2.00E-04	1	0.0014	0	NA	NA
NM_014805	EPM2AIP1	0.303952748750568	0	2.00E-04	1	0.0014	0	NA	NA
NM_002284	KRT86	0.326215356656065	0.0222626079054975	2.00E-04	1	0.0014	0	NA	NA
NM_006556	PMVK	0.303498409813721	0	2.00E-04	1	0.0014	0	NA	NA
NM_001123392	TBC1D3H	0.303498409813721	0	2.00E-04	1	0.0014	0	NA	NA
NM_001098501	KIAA1217	0.303044070876874	0	2.00E-04	1	0.0014	0	NA	NA
NM_001282767	KIAA1217	0.303044070876874	0	2.00E-04	1	0.0014	0	NA	NA
NM_001282768	KIAA1217	0.303044070876874	0	2.00E-04	1	0.0014	0	NA	NA
NM_019590	KIAA1217	0.303044070876874	0	2.00E-04	1	0.0014	0	NA	NA
NM_016090	RBM7	0.303044070876874	0	2.00E-04	1	0.0014	0	NA	NA
NM_004995	MMP14	0.303044070876874	0	2.00E-04	1	0.0014	0	NA	NA
NM_006786	UTS2	0.303044070876874	0	2.00E-04	1	0.0014	0	NA	NA
NM_015689	DENND2A	0.303044070876874	0	2.00E-04	1	0.0014	0	NA	NA
NM_199354	PRB1	0.443434802362562	0.140845070422535	2.00E-04	1	0.0014	0	NA	NA
NM_199353	PRB1	0.443434802362562	0.140845070422535	2.00E-04	1	0.0014	0	NA	NA
NM_005039	PRB1	0.443434802362562	0.140845070422535	6.00E-04	1	0.0043	1.00E-04	NA	NA
NM_000299	PKP1	0.302589731940027	0	2.00E-04	1	0.0014	0	NA	NA
NM_001005337	PKP1	0.302589731940027	0	2.00E-04	1	0.0014	0	NA	NA
NM_001399	EDA	0.302589731940027	0	2.00E-04	1	0.0014	0	NA	NA
NM_001005613	EDA	0.302589731940027	0	2.00E-04	1	0.0014	0	NA	NA
NM_001005612	EDA	0.302589731940027	0	2.00E-04	1	0.0014	0	NA	NA
NM_001005610	EDA	0.302589731940027	0	2.00E-04	1	0.0014	0	NA	NA
NM_001005609	EDA	0.302589731940027	0	2.00E-04	1	0.0014	0	NA	NA
NR_026723	SARNP	0.302589731940027	0	2.00E-04	1	0.0014	0	NA	NA
NM_033082	SARNP	0.302589731940027	0	2.00E-04	1	0.0014	0	NA	NA
NR_026722	SARNP	0.302589731940027	0	2.00E-04	1	0.0014	0	NA	NA
NM_014899	RHOBTB3	0.30213539300318	0	2.00E-04	1	0.0014	0	NA	NA
NM_000297	PKD2	0.301681054066333	0	2.00E-04	1	0.0014	0	NA	NA
NM_006756	TCEA1	0.301681054066333	0	2.00E-04	1	0.0014	0	NA	NA
NM_201437	TCEA1	0.301681054066333	0	2.00E-04	1	0.0014	0	NA	NA
NM_005650	TCF20	0.301226715129487	0	2.00E-04	1	0.0014	0	NA	NA
NM_181492	TCF20	0.301226715129487	0	2.00E-04	1	0.0014	0	NA	NA
NM_007267	TMC6	0.30804179918219	0.00681508405270332	2.00E-04	1	0.0014	0	NA	NA
NM_001282695	FAM107B	0.492957746478873	0.191731031349387	2.00E-04	1	0.0014	0	NA	NA
NM_031453	FAM107B	0.492957746478873	0.191731031349387	2.00E-04	1	0.0014	0	NA	NA
NM_001270500	CA6	0.30077237619264	0	0.0022	0.9968	0.0173	5.00E-04	NA	NA
NM_001270502	CA6	0.30077237619264	0	0.0016	0.9984	0.0115	3.00E-04	NA	NA
NM_001215	CA6	0.30077237619264	0	0.002	0.9974	0.0126	4.00E-04	NA	NA
NM_001270501	CA6	0.30077237619264	0	0.0016	0.9986	0.0115	3.00E-04	NA	NA
NM_001160004	NRG1	0.30077237619264	0	2.00E-04	1	0.0014	0	NA	NA
NM_001160002	NRG1	0.30077237619264	0	2.00E-04	1	0.0014	0	NA	NA

NM_001160008	NRG1	0.30077237619264	0	2.00E-04	1	0.0014	0	NA	NA
NM_013956	NRG1	0.30077237619264	0	2.00E-04	1	0.0014	0	NA	NA
NM_001160007	NRG1	0.30077237619264	0	2.00E-04	1	0.0014	0	NA	NA
NM_001160005	NRG1	0.30077237619264	0	2.00E-04	1	0.0014	0	NA	NA
NM_013964	NRG1	0.30077237619264	0	2.00E-04	1	0.0014	0	NA	NA
NM_004495	NRG1	0.30077237619264	0	2.00E-04	1	0.0014	0	NA	NA
NM_013960	NRG1	0.30077237619264	0	2.00E-04	1	0.0014	0	NA	NA
NM_013958	NRG1	0.30077237619264	0	2.00E-04	1	0.0014	0	NA	NA
NM_013957	NRG1	0.30077237619264	0	2.00E-04	1	0.0014	0	NA	NA
NM_002054	GCG	0.30077237619264	0	2.00E-04	1	0.0014	0	NA	NA
NM_001025200	CTRB2	0.300318037255793	0	2.00E-04	1	0.0014	0	NA	NA
NM_001010848	NRG3	0	0.300318037255793	1	2.00E-04	NA	NA	0.0013	0
NM_001165972	NRG3	0	0.300318037255793	1	2.00E-04	NA	NA	0.0013	0
NM_000346	SOX9	0	0.300318037255793	1	2.00E-04	NA	NA	0.0013	0
NM_017613	DONSON	0	0.300318037255793	1	2.00E-04	NA	NA	0.0013	0
NM_001178016	SLC4A10	0.19263970922308	0.492957746478873	1	2.00E-04	NA	NA	0.0013	0
NM_022058	SLC4A10	0.19263970922308	0.492957746478873	1	2.00E-04	NA	NA	0.0013	0
NM_001178015	SLC4A10	0.19263970922308	0.492957746478873	1	2.00E-04	NA	NA	0.0013	0
NM_001004124	OR4P4	0	0.30077237619264	1	2.00E-04	NA	NA	0.0013	0
NM_138704	NDNL2	0	0.30077237619264	1	2.00E-04	NA	NA	0.0013	0
NM_198963	DHX57	0	0.30077237619264	1	2.00E-04	NA	NA	0.0013	0
NM_130768	ASZ1	0	0.30077237619264	1	2.00E-04	NA	NA	0.0013	0
NR_023315	ASZ1	0	0.30077237619264	1	2.00E-04	NA	NA	0.0013	0
NM_005956	MTHFD1	0	0.301226715129487	1	0.001	NA	NA	0.0054	2.00E-04
NM_016548	GOLM1	0	0.301226715129487	0.995	0.0054	NA	NA	0.0251	8.00E-04
NM_001136135	RPL28	0	0.301681054066333	1	2.00E-04	NA	NA	0.0013	0
NM_001136134	RPL28	0	0.301681054066333	1	2.00E-04	NA	NA	0.0013	0
NM_001136137	RPL28	0	0.301681054066333	1	2.00E-04	NA	NA	0.0013	0
NM_001136136	RPL28	0	0.301681054066333	1	2.00E-04	NA	NA	0.0013	0
NM_000991	RPL28	0	0.301681054066333	1	2.00E-04	NA	NA	0.0013	0
NM_018941	CLN8	0	0.301681054066333	1	2.00E-04	NA	NA	0.0013	0
NM_001134492	HS2ST1	0	0.30213539300318	0.993	0.0088	NA	NA	0.0539	0.0013
NM_012262	HS2ST1	0	0.30213539300318	0.9914	0.008	NA	NA	0.0539	0.0012
NM_001113226	NTNG1	0	0.30213539300318	1	2.00E-04	NA	NA	0.0013	0
NM_001113228	NTNG1	0	0.30213539300318	1	2.00E-04	NA	NA	0.0013	0
NM_014917	NTNG1	0	0.30213539300318	1	2.00E-04	NA	NA	0.0013	0
NR_040248	ZEB2-AS1	0	0.30213539300318	1	2.00E-04	NA	NA	0.0013	0
NM_006136	CAPZA2	0	0.30213539300318	1	2.00E-04	NA	NA	0.0013	0
NM_001190764	TMEM238	0	0.30213539300318	1	2.00E-04	NA	NA	0.0013	0
NR_046262	LOC646719	0	0.30213539300318	1	2.00E-04	NA	NA	0.0013	0
NM_032511	FAXC	0	0.30213539300318	1	2.00E-04	NA	NA	0.0013	0
NM_001135649	FOXI3	0	0.302589731940027	0.9886	0.0176	NA	NA	0.1281	0.0025
NM_004087	DLG1	0	0.302589731940027	1	2.00E-04	NA	NA	0.0013	0
NM_001204386	DLG1	0	0.302589731940027	1	2.00E-04	NA	NA	0.0013	0

NM_001098424	<i>DLG1</i>	0	0.302589731940027	1	2.00E-04	NA	NA	0.0013	0
NM_001201484	<i>PIGO</i>	0	0.302589731940027	1	2.00E-04	NA	NA	0.0013	0
NM_152850	<i>PIGO</i>	0	0.302589731940027	1	2.00E-04	NA	NA	0.0013	0
NM_032634	<i>PIGO</i>	0	0.302589731940027	1	2.00E-04	NA	NA	0.0013	0
NM_012397	<i>SERPINB13</i>	0.149023171285779	0.451612903225806	1	2.00E-04	NA	NA	0.0013	0
NR_037962	<i>RHOU</i>	0	0.303044070876874	1	2.00E-04	NA	NA	0.0013	0
NR_002834	<i>DUSP5P1</i>	0	0.303044070876874	1	2.00E-04	NA	NA	0.0013	0
NM_006789	<i>APOBEC2</i>	0	0.303044070876874	1	2.00E-04	NA	NA	0.0013	0
NM_002304	<i>LFNG</i>	0	0.303044070876874	1	2.00E-04	NA	NA	0.0013	0
NM_001171811	<i>GBA</i>	0	0.303044070876874	1	2.00E-04	NA	NA	0.0013	0
NM_001005742	<i>GBA</i>	0	0.303044070876874	1	2.00E-04	NA	NA	0.0013	0
NM_001005741	<i>GBA</i>	0	0.303044070876874	1	2.00E-04	NA	NA	0.0013	0
NM_001256372	<i>E2F8</i>	0	0.303044070876874	1	2.00E-04	NA	NA	0.0013	0
NM_001256371	<i>E2F8</i>	0	0.303044070876874	1	2.00E-04	NA	NA	0.0013	0
NM_001242877	<i>ELP2</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NM_001242876	<i>ELP2</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NM_001242875	<i>ELP2</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NM_001242879	<i>ELP2</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NM_001242878	<i>ELP2</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NR_040110	<i>ELP2</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NM_018255	<i>ELP2</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NM_018433	<i>KDM3A</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NR_038879	<i>PAXBP1-AS1</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NR_038880	<i>PAXBP1-AS1</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NM_145715	<i>TIGD2</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NM_032119	<i>GPR98</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NR_003149	<i>GPR98</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NM_019009	<i>TOLLIP</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NM_001110221	<i>GJB6</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NM_001110219	<i>GJB6</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NM_001110220	<i>GJB6</i>	0	0.303498409813721	1	2.00E-04	NA	NA	0.0013	0
NM_001012421	<i>ANKRD20A2</i>	0	0.303498409813721	1	0.002	NA	NA	0.0087	3.00E-04
NR_046375	<i>MRV1-AS1</i>	0	0.303952748750568	1	2.00E-04	NA	NA	0.0013	0
NR_046374	<i>MRV1-AS1</i>	0	0.303952748750568	1	2.00E-04	NA	NA	0.0013	0
NR_034094	<i>MRV1-AS1</i>	0	0.303952748750568	1	2.00E-04	NA	NA	0.0013	0
NR_034093	<i>MRV1-AS1</i>	0	0.303952748750568	1	2.00E-04	NA	NA	0.0013	0
NM_005717	<i>ARPC5</i>	0	0.303952748750568	1	2.00E-04	NA	NA	0.0013	0
NM_001270439	<i>ARPC5</i>	0	0.303952748750568	1	2.00E-04	NA	NA	0.0013	0
NM_001100421	<i>C21orf91</i>	0	0.303952748750568	1	2.00E-04	NA	NA	0.0013	0
NM_001100420	<i>C21orf91</i>	0	0.303952748750568	1	2.00E-04	NA	NA	0.0013	0
NM_017447	<i>C21orf91</i>	0	0.303952748750568	1	2.00E-04	NA	NA	0.0013	0
NM_032276	<i>RHBDD1</i>	0	0.304407087687415	0.9988	0.001	NA	NA	0.0054	2.00E-04
NM_001167608	<i>RHBDD1</i>	0	0.304407087687415	0.9988	0.001	NA	NA	0.0054	2.00E-04
NM_017644	<i>KLHL24</i>	0	0.304407087687415	1	0.0016	NA	NA	0.0087	2.00E-04

NM_181514	MRPL21	0	0.304407087687415	1	2.00E-04	NA	NA	0.0013	0
NM_181515	MRPL21	0	0.304407087687415	1	2.00E-04	NA	NA	0.0013	0
NM_145305	SLC25A43	0	0.304861426624262	1	2.00E-04	NA	NA	0.0013	0
NM_206824	VKORC1	0	0.304861426624262	1	2.00E-04	NA	NA	0.0013	0
NM_024006	VKORC1	0	0.304861426624262	1	2.00E-04	NA	NA	0.0013	0
NM_001082971	DDC	0	0.304861426624262	1	2.00E-04	NA	NA	0.0013	0
NM_032270	LRRC8C	0	0.305315765561109	0.9996	2.00E-04	NA	NA	0.0013	0
NM_021958	HLX	0	0.305315765561109	1	2.00E-04	NA	NA	0.0013	0
NM_003024	ITSN1	0	0.305315765561109	1	2.00E-04	NA	NA	0.0013	0
NM_001001132	ITSN1	0	0.305315765561109	1	2.00E-04	NA	NA	0.0013	0
NM_020640	DCUN1D1	0	0.305315765561109	1	2.00E-04	NA	NA	0.0013	0
NM_014727	KMT2B	0	0.305770104497955	1	2.00E-04	NA	NA	0.0013	0
NM_181575	AUP1	0	0.305770104497955	1	2.00E-04	NA	NA	0.0013	0
NM_145858	CRYZL1	0	0.305770104497955	1	2.00E-04	NA	NA	0.0013	0
NM_001170803	LARP4	0	0.306678782371649	1	2.00E-04	NA	NA	0.0013	0
NM_199190	LARP4	0	0.306678782371649	1	2.00E-04	NA	NA	0.0013	0
NM_001170808	LARP4	0	0.306678782371649	1	2.00E-04	NA	NA	0.0013	0
NM_199188	LARP4	0	0.306678782371649	1	2.00E-04	NA	NA	0.0013	0
NM_052879	LARP4	0	0.306678782371649	1	2.00E-04	NA	NA	0.0013	0
NR_033200	LARP4	0	0.306678782371649	1	2.00E-04	NA	NA	0.0013	0
NM_001170804	LARP4	0	0.306678782371649	1	2.00E-04	NA	NA	0.0013	0
NM_001004465	OR10H4	0	0.306678782371649	1	2.00E-04	NA	NA	0.0013	0
NR_033798	CAST	0	0.306678782371649	1	2.00E-04	NA	NA	0.0013	0
NR_104285	CAST	0	0.306678782371649	1	2.00E-04	NA	NA	0.0013	0
NM_021951	DMRT1	0	0.306678782371649	0.9974	0.0038	NA	NA	0.0251	6.00E-04
NM_001178142	TFDP2	0	0.306678782371649	1	2.00E-04	NA	NA	0.0013	0
NM_001178141	TFDP2	0	0.306678782371649	1	2.00E-04	NA	NA	0.0013	0
NM_006286	TFDP2	0	0.306678782371649	1	2.00E-04	NA	NA	0.0013	0
NM_020686	ABAT	0	0.307133121308496	1	2.00E-04	NA	NA	0.0013	0
NM_181482	LDLRAD4	0	0.307133121308496	1	2.00E-04	NA	NA	0.0013	0
NM_014618	BRINP1	0	0.307133121308496	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_014229	SLC6A11	0	0.307587460245343	1	2.00E-04	NA	NA	0.0013	0
NM_006368	CREB3	0	0.307587460245343	1	2.00E-04	NA	NA	0.0013	0
NM_001144769	DST	0	0.307587460245343	1	2.00E-04	NA	NA	0.0013	0
NM_203405	KRTAP26-1	0.0722398909586552	0.380281690140845	0.9936	0.0058	NA	NA	0.027	8.00E-04
NR_024062	UBE2DNL	0	0.30804179918219	1	6.00E-04	NA	NA	0.0039	1.00E-04
NM_144590	ANKRD22	0	0.30804179918219	1	2.00E-04	NA	NA	0.0013	0
NM_001270945	LOC643355	0	0.308496138119037	1	2.00E-04	NA	NA	0.0013	0
NM_014039	C11orf54	0	0.308496138119037	1	2.00E-04	NA	NA	0.0013	0
NM_002949	MRPL12	0	0.308496138119037	1	2.00E-04	NA	NA	0.0013	0
NM_013361	ZNF223	0	0.308496138119037	1	2.00E-04	NA	NA	0.0013	0
NM_012279	ZNF346	0	0.308496138119037	1	2.00E-04	NA	NA	0.0013	0
NM_025179	PLXNA2	0	0.308496138119037	1	2.00E-04	NA	NA	0.0013	0
NM_001099669	HIGD1A	0	0.308496138119037	1	2.00E-04	NA	NA	0.0013	0



NM_014056	HIGD1A	0	0.308496138119037	1	2.00E-04	NA	NA	0.0013	0
NM_001129829	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129840	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129841	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129831	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129827	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_000719	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129832	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129844	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001167625	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129830	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129843	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129842	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129834	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129838	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129837	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129833	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129846	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001167623	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129839	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001167624	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129836	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001129835	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_199460	CACNA1C	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_019109	ALG1	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_181689	NNAT	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_005386	NNAT	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_022120	OXCT2	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001164280	SLC37A4	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001034836	RDM1	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001163121	RDM1	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001163120	RDM1	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_145654	RDM1	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NR_027998	RDM1	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NR_027997	RDM1	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NR_027996	RDM1	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001077198	ATG9A	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_024085	ATG9A	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NR_104255	ATG9A	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_203295	TRIM7	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_203294	TRIM7	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_203296	TRIM7	0	0.308950477055884	1	2.00E-04	NA	NA	0.0013	0
NM_001199096	BAIAP3	0	0.309404815992731	1	2.00E-04	NA	NA	0.0013	0
NM_022128	RBKS	0	0.309404815992731	1	2.00E-04	NA	NA	0.0013	0

NM_001259	CDK6	0	0.309404815992731	1	2.00E-04	NA	NA	0.0013	0
NM_020125	SLAMF8	0	0.309859154929577	1	2.00E-04	NA	NA	0.0013	0
NM_004578	RAB4A	0	0.309859154929577	1	2.00E-04	NA	NA	0.0013	0
NR_073545	RAB4A	0	0.309859154929577	1	2.00E-04	NA	NA	0.0013	0
NM_001271998	RAB4A	0	0.309859154929577	1	2.00E-04	NA	NA	0.0013	0
NM_152441	FBXL14	0	0.309859154929577	1	2.00E-04	NA	NA	0.0013	0
NM_017910	TRMT61B	0	0.309859154929577	1	2.00E-04	NA	NA	0.0013	0
NM_001271318	ZNF512	0.0109041344843253	0.320763289413903	1	2.00E-04	NA	NA	0.0013	0
NM_032434	ZNF512	0.0109041344843253	0.320763289413903	1	2.00E-04	NA	NA	0.0013	0
NM_001271288	ZNF512	0.0109041344843253	0.320763289413903	1	2.00E-04	NA	NA	0.0013	0
NM_001271287	ZNF512	0.0109041344843253	0.320763289413903	1	2.00E-04	NA	NA	0.0013	0
NM_001271289	ZNF512	0.0109041344843253	0.320763289413903	1	2.00E-04	NA	NA	0.0013	0
NM_001271286	ZNF512	0.0109041344843253	0.320763289413903	1	2.00E-04	NA	NA	0.0013	0
NM_005981	TSPAN31	0	0.310313493866424	1	2.00E-04	NA	NA	0.0013	0
NM_014272	ADAMTS7	0	0.310313493866424	1	2.00E-04	NA	NA	0.0013	0
NM_001134420	CDC7	0	0.310767832803271	1	2.00E-04	NA	NA	0.0013	0
NM_001134419	CDC7	0	0.310767832803271	1	2.00E-04	NA	NA	0.0013	0
NM_003503	CDC7	0	0.310767832803271	1	2.00E-04	NA	NA	0.0013	0
NM_001130415	APOLD1	0	0.310767832803271	1	2.00E-04	NA	NA	0.0013	0
NM_194318	B3GALTL	0	0.310767832803271	1	2.00E-04	NA	NA	0.0013	0
NM_004112	FGF11	0	0.310767832803271	1	2.00E-04	NA	NA	0.0013	0
NM_013360	ZNF222	0	0.310767832803271	1	2.00E-04	NA	NA	0.0013	0
NM_001129996	ZNF222	0	0.310767832803271	1	2.00E-04	NA	NA	0.0013	0
NM_001162498	LPAR6	0	0.310767832803271	1	2.00E-04	NA	NA	0.0013	0
NM_133499	SYN1	0	0.310767832803271	1	2.00E-04	NA	NA	0.0013	0
NM_006950	SYN1	0	0.310767832803271	1	2.00E-04	NA	NA	0.0013	0
NM_001206839	PTPRZ1	0.0699681962744207	0.380736029077692	1	2.00E-04	NA	NA	0.0013	0
NM_002851	PTPRZ1	0.0699681962744207	0.380736029077692	1	2.00E-04	NA	NA	0.0013	0
NM_001206838	PTPRZ1	0.0699681962744207	0.380736029077692	1	2.00E-04	NA	NA	0.0013	0
NM_006191	PA2G4	0	0.311222171740118	1	2.00E-04	NA	NA	0.0013	0
NR_038927	DDX11-AS1	0	0.311222171740118	1	0.0014	NA	NA	0.0087	2.00E-04
NR_028102	THUMPD2	0	0.311222171740118	1	2.00E-04	NA	NA	0.0013	0
NM_025264	THUMPD2	0	0.311222171740118	1	2.00E-04	NA	NA	0.0013	0
NM_005544	IRS1	0	0.311222171740118	1	0.0104	NA	NA	0.0539	0.0015
NM_006514	SCN10A	0	0.311222171740118	1	2.00E-04	NA	NA	0.0013	0
NM_004656	BAP1	0	0.311222171740118	1	0.0042	NA	NA	0.0251	6.00E-04
NM_000067	CA2	0.112676056338028	0.424352567014993	1	2.00E-04	NA	NA	0.0013	0
NM_014426	SNX5	0	0.311676510676965	1	2.00E-04	NA	NA	0.0013	0
NM_001282454	SNX5	0	0.311676510676965	1	2.00E-04	NA	NA	0.0013	0
NM_152227	SNX5	0	0.311676510676965	1	2.00E-04	NA	NA	0.0013	0
NM_032109	OTP	0	0.311676510676965	0.9998	8.00E-04	NA	NA	0.0045	1.00E-04
NM_003783	B3GALT2	0.155383916401636	0.467514766015448	1	2.00E-04	NA	NA	0.0013	0
NM_152731	BEND6	0	0.312130849613812	1	2.00E-04	NA	NA	0.0013	0
NM_001042717	GTPBP10	0	0.312130849613812	1	2.00E-04	NA	NA	0.0013	0

NM_033107	GTPBP10	0	0.312130849613812	1	2.00E-04	NA	NA	0.0013	0
NM_014390	SND1	0	0.312130849613812	1	2.00E-04	NA	NA	0.0013	0
NM_004034	ANXA7	0	0.312130849613812	1	2.00E-04	NA	NA	0.0013	0
NM_001156	ANXA7	0	0.312130849613812	1	2.00E-04	NA	NA	0.0013	0
NM_001178093	BCAT1	0	0.312130849613812	1	2.00E-04	NA	NA	0.0013	0
NM_003690	PRKRA	0	0.312130849613812	1	2.00E-04	NA	NA	0.0013	0
NM_078485	COL9A1	0	0.312130849613812	1	2.00E-04	NA	NA	0.0013	0
NM_001127389	DUX4L5	0	0.312585188550659	1	2.00E-04	NA	NA	0.0013	0
NM_012147	DUX2	0	0.312585188550659	1	2.00E-04	NA	NA	0.0013	0
NM_001278056	LOC100653046	0	0.312585188550659	1	2.00E-04	NA	NA	0.0013	0
NM_001127386	DUX4L2	0	0.312585188550659	1	2.00E-04	NA	NA	0.0013	0
NM_001164467	DUX4L3	0	0.312585188550659	1	2.00E-04	NA	NA	0.0013	0
NM_033178	DUX4	0	0.312585188550659	1	2.00E-04	NA	NA	0.0013	0
NM_001177376	DUX4L4	0	0.312585188550659	1	2.00E-04	NA	NA	0.0013	0
NM_001127387	DUX4L7	0	0.312585188550659	1	2.00E-04	NA	NA	0.0013	0
NM_001127388	DUX4L6	0	0.312585188550659	1	2.00E-04	NA	NA	0.0013	0
NM_001204151	MBD1	0	0.312585188550659	1	2.00E-04	NA	NA	0.0013	0
NM_014649	SABF2	0	0.312585188550659	0.9988	0.0018	NA	NA	0.0087	3.00E-04
NM_181600	KRTAP13-4	0	0.313039527487506	1	2.00E-04	NA	NA	0.0013	0
NM_001193453	TMEM116	0	0.313039527487506	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_001193531	TMEM116	0	0.313039527487506	1	6.00E-04	NA	NA	0.0039	1.00E-04
NM_138341	TMEM116	0	0.313039527487506	1	6.00E-04	NA	NA	0.0039	1.00E-04
NM_001135701	YWHAZ	0	0.313039527487506	1	2.00E-04	NA	NA	0.0013	0
NM_145690	YWHAZ	0	0.313039527487506	1	2.00E-04	NA	NA	0.0013	0
NM_001135700	YWHAZ	0	0.313039527487506	1	2.00E-04	NA	NA	0.0013	0
NM_130806	RXFP2	0	0.313493866424353	1	2.00E-04	NA	NA	0.0013	0
NM_001166058	RXFP2	0	0.313493866424353	1	2.00E-04	NA	NA	0.0013	0
NM_015454	LARP7	0	0.313493866424353	1	2.00E-04	NA	NA	0.0013	0
NM_003401	XRCC4	0	0.313493866424353	0.998	0.0018	NA	NA	0.0087	3.00E-04
NM_022550	XRCC4	0	0.313493866424353	0.9982	0.0024	NA	NA	0.0162	4.00E-04
NM_022406	XRCC4	0	0.313493866424353	0.9976	0.0016	NA	NA	0.0087	2.00E-04
NM_001243797	TSC22D1	0	0.313493866424353	1	2.00E-04	NA	NA	0.0013	0
NM_006022	TSC22D1	0	0.313493866424353	1	2.00E-04	NA	NA	0.0013	0
NM_030966	KRTAP1-3	0	0.313493866424353	1	2.00E-04	NA	NA	0.0013	0
NM_001037339	PDE4B	0	0.313948205361199	1	2.00E-04	NA	NA	0.0013	0
NM_024838	THNSL1	0	0.313948205361199	1	2.00E-04	NA	NA	0.0013	0
NM_153034	ZNF488	0	0.313948205361199	1	8.00E-04	NA	NA	0.0045	1.00E-04
NM_001278216	CDK5RAP3	0	0.313948205361199	1	2.00E-04	NA	NA	0.0013	0
NM_001278197	CDK5RAP3	0	0.313948205361199	1	2.00E-04	NA	NA	0.0013	0
NM_176096	CDK5RAP3	0	0.313948205361199	1	2.00E-04	NA	NA	0.0013	0
NM_001278198	CDK5RAP3	0	0.313948205361199	1	2.00E-04	NA	NA	0.0013	0
NM_001278217	CDK5RAP3	0	0.313948205361199	1	2.00E-04	NA	NA	0.0013	0
NM_021619	PRDM12	0	0.313948205361199	1	6.00E-04	NA	NA	0.0039	1.00E-04
NM_003966	SEMA5A	0	0.313948205361199	1	2.00E-04	NA	NA	0.0013	0

NM_005836	HRSP12	0	0.313948205361199	1	2.00E-04	NA	NA	0.0013	0
NM_001003750	OR8I2	0	0.314402544298046	1	2.00E-04	NA	NA	0.0013	0
NM_001130017	ART3	0	0.314402544298046	1	2.00E-04	NA	NA	0.0013	0
NM_178562	TSPAN33	0	0.314402544298046	1	2.00E-04	NA	NA	0.0013	0
NM_001029880	SFMBT2	0	0.314402544298046	1	2.00E-04	NA	NA	0.0013	0
NM_145010	ENKUR	0	0.314402544298046	1	2.00E-04	NA	NA	0.0013	0
NR_072993	ENKUR	0	0.314402544298046	1	2.00E-04	NA	NA	0.0013	0
NR_072992	ENKUR	0	0.314402544298046	1	2.00E-04	NA	NA	0.0013	0
NR_034154	COLCA1	0	0.314402544298046	1	2.00E-04	NA	NA	0.0013	0
NM_001199805	KLRC4-KLRK1	0	0.314402544298046	1	2.00E-04	NA	NA	0.0013	0
NM_015421	TMEM186	0	0.314402544298046	1	2.00E-04	NA	NA	0.0013	0
NR_036231	MIR4264	0	0.314402544298046	1	2.00E-04	NA	NA	0.0013	0
NM_022483	C5orf28	0	0.314402544298046	1	2.00E-04	NA	NA	0.0013	0
NM_006150	PRICKLE3	0	0.314402544298046	1	2.00E-04	NA	NA	0.0013	0
NM_001987	ETV6	0	0.314856883234893	1	2.00E-04	NA	NA	0.0013	0
NR_047005	LINC00381	0	0.314856883234893	1	2.00E-04	NA	NA	0.0013	0
NM_017551	GRID1	0	0.314856883234893	1	2.00E-04	NA	NA	0.0013	0
NM_001004064	OR8J3	0	0.314856883234893	1	2.00E-04	NA	NA	0.0013	0
NM_024927	PLEKHH3	0	0.314856883234893	1	2.00E-04	NA	NA	0.0013	0
NR_073573	PLEKHH3	0	0.314856883234893	1	2.00E-04	NA	NA	0.0013	0
NM_001282670	C1orf86	0	0.31531122217174	1	2.00E-04	NA	NA	0.0013	0
NR_046424	C1orf86	0	0.31531122217174	1	2.00E-04	NA	NA	0.0013	0
NR_024554	RHOBTB1	0	0.31531122217174	1	2.00E-04	NA	NA	0.0013	0
NM_000943	PPIC	0	0.31531122217174	1	2.00E-04	NA	NA	0.0013	0
NM_001127206	HMOX2	0	0.315765561108587	1	0.0088	NA	NA	0.0539	0.0013
NM_001200019	OPRL1	0	0.315765561108587	1	8.00E-04	NA	NA	0.0045	1.00E-04
NM_173812	DPY19L2	0	0.315765561108587	1	2.00E-04	NA	NA	0.0013	0
NM_019079	L1TD1	0	0.316219900045434	1	2.00E-04	NA	NA	0.0013	0
NM_001164835	L1TD1	0	0.316219900045434	1	2.00E-04	NA	NA	0.0013	0
NM_138320	PCSK6	0	0.316219900045434	1	2.00E-04	NA	NA	0.0013	0
NM_138322	PCSK6	0	0.316219900045434	1	2.00E-04	NA	NA	0.0013	0
NM_138321	PCSK6	0	0.316219900045434	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_138319	PCSK6	0	0.316219900045434	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_138323	PCSK6	0	0.316219900045434	1	2.00E-04	NA	NA	0.0013	0
NM_002570	PCSK6	0	0.316219900045434	1	2.00E-04	NA	NA	0.0013	0
NM_138324	PCSK6	0	0.316219900045434	1	2.00E-04	NA	NA	0.0013	0
NM_138325	PCSK6	0	0.316219900045434	1	2.00E-04	NA	NA	0.0013	0
NM_033176	NKX2-4	0	0.316219900045434	0.9974	0.0034	NA	NA	0.0173	5.00E-04
NR_036208	MIR4323	0.0945024988641527	0.410722398909587	1	2.00E-04	NA	NA	0.0013	0
NM_001135256	RBBP4	0	0.316674238982281	0.9978	0.0024	NA	NA	0.0162	4.00E-04
NM_005610	RBBP4	0	0.316674238982281	0.9978	0.002	NA	NA	0.0087	3.00E-04
NM_001135255	RBBP4	0	0.316674238982281	0.9992	0.0024	NA	NA	0.0162	4.00E-04
NM_006006	ZBTB16	0	0.316674238982281	1	2.00E-04	NA	NA	0.0013	0
NM_178499	CCDC60	0	0.316674238982281	1	2.00E-04	NA	NA	0.0013	0

NM_001102668	PSMA4	0	0.316674238982281	1	2.00E-04	NA	NA	0.0013	0
NM_001102667	PSMA4	0	0.316674238982281	1	2.00E-04	NA	NA	0.0013	0
NM_002789	PSMA4	0	0.316674238982281	1	2.00E-04	NA	NA	0.0013	0
NM_014573	TMEM97	0	0.316674238982281	1	2.00E-04	NA	NA	0.0013	0
NM_003854	IL1RL2	0	0.316674238982281	1	2.00E-04	NA	NA	0.0013	0
NM_001256422	AGPAT9	0	0.316674238982281	1	2.00E-04	NA	NA	0.0013	0
NM_001256421	AGPAT9	0	0.316674238982281	1	2.00E-04	NA	NA	0.0013	0
NM_032717	AGPAT9	0	0.316674238982281	1	2.00E-04	NA	NA	0.0013	0
NM_001039762	FAM196A	0	0.316674238982281	1	2.00E-04	NA	NA	0.0013	0
NM_006297	XRCC1	0	0.316674238982281	1	2.00E-04	NA	NA	0.0013	0
NM_139246	TSTD2	0	0.316674238982281	0.9988	0.0018	NA	NA	0.0087	3.00E-04
NM_001013356	OR8U8	0.112221717401181	0.429350295320309	1	2.00E-04	NA	NA	0.0013	0
NM_001005204	OR8U1	0.112221717401181	0.429350295320309	1	2.00E-04	NA	NA	0.0013	0
NM_006258	PRKG1	0	0.317128577919128	1	2.00E-04	NA	NA	0.0013	0
NM_005192	CDKN3	0	0.317128577919128	1	2.00E-04	NA	NA	0.0013	0
NM_001130851	CDKN3	0	0.317128577919128	1	2.00E-04	NA	NA	0.0013	0
NM_002815	PSMD11	0	0.317128577919128	1	2.00E-04	NA	NA	0.0013	0
NM_001270482	PSMD11	0	0.317128577919128	1	2.00E-04	NA	NA	0.0013	0
NM_001077620	PRCD	0	0.317128577919128	1	2.00E-04	NA	NA	0.0013	0
NM_202002	FOX1	0	0.317128577919128	1	2.00E-04	NA	NA	0.0013	0
NM_021953	FOX1	0	0.317128577919128	1	2.00E-04	NA	NA	0.0013	0
NM_001243088	FOX1	0	0.317128577919128	1	2.00E-04	NA	NA	0.0013	0
NM_001243089	FOX1	0	0.317128577919128	1	2.00E-04	NA	NA	0.0013	0
NM_202003	FOX1	0	0.317128577919128	1	2.00E-04	NA	NA	0.0013	0
NR_015419	LOC145783	0	0.317128577919128	1	2.00E-04	NA	NA	0.0013	0
NM_012318	LETM1	0	0.317128577919128	0.9844	0.0164	NA	NA	0.1281	0.0023
NM_182592	YIPF7	0	0.317128577919128	1	2.00E-04	NA	NA	0.0013	0
NM_020144	PAPOLB	0	0.317128577919128	1	2.00E-04	NA	NA	0.0013	0
NM_001001346	CLDN20	0.184461608359836	0.502044525215811	1	2.00E-04	NA	NA	0.0013	0
NM_015448	DPCD	0	0.317582916855975	1	2.00E-04	NA	NA	0.0013	0
NM_003702	RGS20	0	0.317582916855975	1	2.00E-04	NA	NA	0.0013	0
NM_178547	ZBTB80S	0	0.317582916855975	1	0.001	NA	NA	0.0054	2.00E-04
NM_001111061	NHLH2	0	0.317582916855975	1	2.00E-04	NA	NA	0.0013	0
NM_001207024	M6PR	0	0.317582916855975	1	2.00E-04	NA	NA	0.0013	0
NM_002355	M6PR	0	0.317582916855975	1	2.00E-04	NA	NA	0.0013	0
NM_006575	MAP4K5	0	0.317582916855975	1	2.00E-04	NA	NA	0.0013	0
NM_198794	MAP4K5	0	0.317582916855975	1	2.00E-04	NA	NA	0.0013	0
NM_015964	TPPP3	0	0.317582916855975	1	2.00E-04	NA	NA	0.0013	0
NM_016140	TPPP3	0	0.317582916855975	1	2.00E-04	NA	NA	0.0013	0
NM_001004059	OR4S2	0	0.318037255792821	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_001846	COL4A2	0	0.318037255792821	1	2.00E-04	NA	NA	0.0013	0
NM_001199775	CPD	0	0.318037255792821	1	2.00E-04	NA	NA	0.0013	0
NM_014408	TRAPPC3	0	0.318037255792821	1	4.00E-04	NA	NA	0.0029	1.00E-04
NR_073097	TRAPPC3	0	0.318037255792821	1	2.00E-04	NA	NA	0.0013	0

NM_001270896	TRAPPC3	0	0.318037255792821	1	2.00E-04	NA	NA	0.0013	0
NM_001270894	TRAPPC3	0	0.318037255792821	1	2.00E-04	NA	NA	0.0013	0
NM_001270897	TRAPPC3	0	0.318037255792821	1	2.00E-04	NA	NA	0.0013	0
NR_073098	TRAPPC3	0	0.318037255792821	1	2.00E-04	NA	NA	0.0013	0
NM_001166504	ADH7	0	0.318037255792821	1	2.00E-04	NA	NA	0.0013	0
NM_015714	GOS2	0	0.318945933666515	1	2.00E-04	NA	NA	0.0013	0
NM_021214	ABHD17C	0	0.318945933666515	1	2.00E-04	NA	NA	0.0013	0
NM_001012419	ANKRD20A3	0	0.318945933666515	1	0.0028	NA	NA	0.0173	4.00E-04
NM_033518	SLC38A5	0	0.318945933666515	1	2.00E-04	NA	NA	0.0013	0
NR_001546	TTY20	0	0.318945933666515	0.9906	0.0068	NA	NA	0.0539	0.001
NM_000333	ATXN7	0	0.319400272603362	1	2.00E-04	NA	NA	0.0013	0
NM_015655	ZNF337	0	0.319400272603362	1	2.00E-04	NA	NA	0.0013	0
NM_001243194	INPP5F	0	0.319854611540209	1	2.00E-04	NA	NA	0.0013	0
NM_003898	SYNJ2	0	0.319854611540209	1	2.00E-04	NA	NA	0.0013	0
NM_001270643	LUC7L2	0	0.319854611540209	1	6.00E-04	NA	NA	0.0039	1.00E-04
NM_016019	LUC7L2	0	0.319854611540209	1	4.00E-04	NA	NA	0.0029	1.00E-04
NR_031707	MIR1307	0	0.319854611540209	1	2.00E-04	NA	NA	0.0013	0
NM_001278613	PCDH1	0	0.319854611540209	1	2.00E-04	NA	NA	0.0013	0
NM_030769	NPL	0	0.320308950477056	1	2.00E-04	NA	NA	0.0013	0
NM_001200051	NPL	0	0.320308950477056	1	2.00E-04	NA	NA	0.0013	0
NM_001200050	NPL	0	0.320308950477056	1	2.00E-04	NA	NA	0.0013	0
NM_001200052	NPL	0	0.320308950477056	1	2.00E-04	NA	NA	0.0013	0
NM_001200056	NPL	0	0.320308950477056	1	2.00E-04	NA	NA	0.0013	0
NR_036610	SRSF3	0	0.320308950477056	1	2.00E-04	NA	NA	0.0013	0
NM_003017	SRSF3	0	0.320308950477056	1	2.00E-04	NA	NA	0.0013	0
NM_133450	ANKS3	0	0.320308950477056	1	2.00E-04	NA	NA	0.0013	0
NM_001242929	ANKS3	0	0.320308950477056	1	2.00E-04	NA	NA	0.0013	0
NR_040252	ANKS3	0	0.320308950477056	1	2.00E-04	NA	NA	0.0013	0
NM_001080744	DGKG	0	0.320308950477056	1	2.00E-04	NA	NA	0.0013	0
NM_001080745	DGKG	0	0.320308950477056	1	2.00E-04	NA	NA	0.0013	0
NM_001346	DGKG	0	0.320308950477056	1	2.00E-04	NA	NA	0.0013	0
NM_001100425	KIAA0895	0	0.320308950477056	1	2.00E-04	NA	NA	0.0013	0
NM_001105574	HMX3	0	0.320763289413903	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_021928	SPCS3	0	0.320763289413903	1	4.00E-04	NA	NA	0.0029	1.00E-04
NR_024425	PTGES2-AS1	0	0.320763289413903	1	2.00E-04	NA	NA	0.0013	0
NM_004468	FHL3	0	0.320763289413903	1	2.00E-04	NA	NA	0.0013	0
NM_001243878	FHL3	0	0.320763289413903	1	2.00E-04	NA	NA	0.0013	0
NM_003553	OR1E1	0	0.320763289413903	1	2.00E-04	NA	NA	0.0013	0
NM_001004742	OR5M3	0.0422535211267606	0.36347114947751	1	2.00E-04	NA	NA	0.0013	0
NM_002157	HSPE1	0	0.32121762835075	1	2.00E-04	NA	NA	0.0013	0
NM_001202485	HSPE1-MOB4	0	0.32121762835075	1	2.00E-04	NA	NA	0.0013	0
NM_015531	C2CD3	0	0.32121762835075	1	2.00E-04	NA	NA	0.0013	0
NM_153354	TMEM161B	0	0.32121762835075	1	2.00E-04	NA	NA	0.0013	0
NM_001007540	CDHR4	0	0.321671967287597	1	2.00E-04	NA	NA	0.0013	0

NR_002605	DLEU1	0	0.322126306224443	1	2.00E-04	NA	NA	0.0013	0
NM_032830	CIRH1A	0	0.322126306224443	1	2.00E-04	NA	NA	0.0013	0
NM_178313	SPTBN1	0	0.322126306224443	1	2.00E-04	NA	NA	0.0013	0
NR_045562	GULP1	0	0.322126306224443	0.9968	0.0024	NA	NA	0.0162	4.00E-04
NR_045563	GULP1	0	0.322126306224443	0.9966	0.0044	NA	NA	0.0251	6.00E-04
NM_001029863	C6orf120	0	0.322126306224443	1	2.00E-04	NA	NA	0.0013	0
NM_012141	INTS6	0	0.322126306224443	1	2.00E-04	NA	NA	0.0013	0
NM_001039937	INTS6	0	0.322126306224443	1	2.00E-04	NA	NA	0.0013	0
NM_001039938	INTS6	0	0.322126306224443	1	2.00E-04	NA	NA	0.0013	0
NR_024455	LOC100133612	0	0.32258064516129	1	2.00E-04	NA	NA	0.0013	0
NM_021992	TMSB15A	0	0.32258064516129	1	2.00E-04	NA	NA	0.0013	0
NM_145278	GCSAML	0	0.323034984098137	1	2.00E-04	NA	NA	0.0013	0
NM_001282456	LOC100506127	0	0.323034984098137	1	2.00E-04	NA	NA	0.0013	0
NM_015466	PTPN23	0	0.323034984098137	1	2.00E-04	NA	NA	0.0013	0
NM_001190801	PLK4	0	0.323034984098137	1	2.00E-04	NA	NA	0.0013	0
NM_138576	BCL11B	0	0.323034984098137	1	2.00E-04	NA	NA	0.0013	0
NM_001282237	BCL11B	0	0.323034984098137	1	2.00E-04	NA	NA	0.0013	0
NM_001282238	BCL11B	0	0.323034984098137	1	2.00E-04	NA	NA	0.0013	0
NM_022898	BCL11B	0	0.323034984098137	1	2.00E-04	NA	NA	0.0013	0
NM_181356	SUPT3H	0	0.323034984098137	1	2.00E-04	NA	NA	0.0013	0
NM_003599	SUPT3H	0	0.323034984098137	1	2.00E-04	NA	NA	0.0013	0
NM_001261823	SUPT3H	0	0.323034984098137	1	2.00E-04	NA	NA	0.0013	0
NM_003012	SFRP1	0	0.323034984098137	1	2.00E-04	NA	NA	0.0013	0
NM_178352	LCE1D	0.110858700590641	0.434348023625625	1	2.00E-04	NA	NA	0.0013	0
NM_001105518	SWT1	0	0.323489323034984	1	2.00E-04	NA	NA	0.0013	0
NM_001267727	ARSG	0	0.323489323034984	1	2.00E-04	NA	NA	0.0013	0
NM_001276373	USF1	0	0.323489323034984	0.9994	6.00E-04	NA	NA	0.0039	1.00E-04
NM_000424	KRT5	0	0.323489323034984	1	2.00E-04	NA	NA	0.0013	0
NM_020418	PCBP4	0	0.323489323034984	1	2.00E-04	NA	NA	0.0013	0
NM_053035	MRPS33	0	0.323489323034984	1	2.00E-04	NA	NA	0.0013	0
NM_016071	MRPS33	0	0.323489323034984	1	2.00E-04	NA	NA	0.0013	0
NM_001005205	OR8J1	0.0467969104952294	0.37074057246706	1	2.00E-04	NA	NA	0.0013	0
NM_024041	SCNM1	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NR_037937	SCNM1	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_001204856	SCNM1	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_001256236	PGAP2	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NR_045923	PGAP2	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_001145438	PGAP2	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_001256235	PGAP2	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_001256237	PGAP2	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NR_027017	PGAP2	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NR_045927	PGAP2	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NR_045926	PGAP2	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NR_045925	PGAP2	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0

NM_001283038	PGAP2	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_001283039	PGAP2	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_001283040	PGAP2	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NR_104270	PGAP2	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NR_104271	PGAP2	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_021104	RPL41	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_001035267	RPL41	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_015933	TMA7	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_004291	CARTPT	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_004794	RAB33A	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_023009	MARCKSL1	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NR_052852	MARCKSL1	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_001009925	TMEM230	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_001009924	TMEM230	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_001009923	TMEM230	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_014145	TMEM230	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_024607	PPP1R3B	0	0.323943661971831	1	2.00E-04	NA	NA	0.0013	0
NM_173860	HOXC12	0	0.324398000908678	1	2.00E-04	NA	NA	0.0013	0
NM_024712	ELMO3	0	0.324398000908678	1	2.00E-04	NA	NA	0.0013	0
NM_178559	ABC5	0	0.324398000908678	1	2.00E-04	NA	NA	0.0013	0
NM_001163993	ABC5	0	0.324398000908678	1	2.00E-04	NA	NA	0.0013	0
NM_001163942	ABC5	0	0.324398000908678	1	2.00E-04	NA	NA	0.0013	0
NM_000926	PGR	0	0.324398000908678	1	2.00E-04	NA	NA	0.0013	0
NM_001278098	GDNF	0	0.324398000908678	1	2.00E-04	NA	NA	0.0013	0
NR_039801	MIR4657	0	0.324398000908678	1	2.00E-04	NA	NA	0.0013	0
NM_001130447	HAUS2	0	0.324852339845525	1	2.00E-04	NA	NA	0.0013	0
NM_018097	HAUS2	0	0.324852339845525	1	2.00E-04	NA	NA	0.0013	0
NM_007018	CNTRL	0	0.324852339845525	0.985	0.0158	NA	NA	0.1214	0.0023
NM_004251	RAB9A	0	0.324852339845525	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_001195328	RAB9A	0	0.324852339845525	0.9996	2.00E-04	NA	NA	0.0013	0
NM_001527	HDAC2	0	0.324852339845525	1	0.025	NA	NA	0.1978	0.0035
NR_033441	HDAC2	0	0.324852339845525	1	0.029	NA	NA	0.2157	0.0041
NM_145172	WDR63	0	0.325306678782372	1	2.00E-04	NA	NA	0.0013	0
NM_207040	TCF12	0	0.325306678782372	1	2.00E-04	NA	NA	0.0013	0
NM_020188	CMC2	0	0.325306678782372	1	2.00E-04	NA	NA	0.0013	0
NR_038230	LOC284080	0	0.325306678782372	1	2.00E-04	NA	NA	0.0013	0
NM_033224	PURB	0	0.325306678782372	1	2.00E-04	NA	NA	0.0013	0
NM_130776	XAGE3	0	0.325306678782372	1	2.00E-04	NA	NA	0.0013	0
NM_001282382	PTTG1	0.114039073148569	0.439800090867787	1	2.00E-04	NA	NA	0.0013	0
NM_001282383	PTTG1	0.114039073148569	0.439800090867787	1	2.00E-04	NA	NA	0.0013	0
NM_153228	ANKFN1	0.0159018627896411	0.34166288050886	1	2.00E-04	NA	NA	0.0013	0
NM_152231	FBXO34	0	0.325761017719219	1	0.0108	NA	NA	0.0652	0.0016
NM_032553	GPR174	0	0.325761017719219	1	2.00E-04	NA	NA	0.0013	0
NM_020698	TMCC3	0	0.325761017719219	1	2.00E-04	NA	NA	0.0013	0



NM_000204	CFI	0	0.325761017719219	1	2.00E-04	NA	NA	0.0013	0
NM_001282185	ETF1	0	0.325761017719219	1	2.00E-04	NA	NA	0.0013	0
NM_006261	PROP1	0	0.325761017719219	1	2.00E-04	NA	NA	0.0013	0
NM_007126	VCP	0	0.325761017719219	1	2.00E-04	NA	NA	0.0013	0
NR_024059	MIMT1	0	0.326215356656065	1	2.00E-04	NA	NA	0.0013	0
NM_013328	PYCR2	0	0.326215356656065	0.9988	0.0022	NA	NA	0.0087	3.00E-04
NM_001271681	PYCR2	0	0.326215356656065	0.9986	0.0022	NA	NA	0.0087	3.00E-04
NM_001105528	CCDC178	0	0.326215356656065	0.9996	2.00E-04	NA	NA	0.0013	0
NM_001533	HNRNPL	0	0.326215356656065	1	2.00E-04	NA	NA	0.0013	0
NM_152540	SCFD2	0	0.326215356656065	1	2.00E-04	NA	NA	0.0013	0
NM_198285	WDR86	0	0.326215356656065	1	2.00E-04	NA	NA	0.0013	0
NM_001284260	WDR86	0	0.326215356656065	1	2.00E-04	NA	NA	0.0013	0
NM_001284261	WDR86	0	0.326215356656065	1	2.00E-04	NA	NA	0.0013	0
NM_001284262	WDR86	0	0.326215356656065	1	2.00E-04	NA	NA	0.0013	0
NM_018931	PCDHB11	0	0.326669695592912	0.932	0.0752	NA	NA	0.4511	0.0104
NM_001135702	YWHAZ	0	0.326669695592912	1	2.00E-04	NA	NA	0.0013	0
NR_038310	MIR497HG	0	0.327124034529759	1	2.00E-04	NA	NA	0.0013	0
NR_024454	NDUFB2-AS1	0	0.327578373466606	1	2.00E-04	NA	NA	0.0013	0
NM_001171155	PET100	0	0.328032712403453	1	2.00E-04	NA	NA	0.0013	0
NR_033242	PET100	0	0.328032712403453	1	2.00E-04	NA	NA	0.0013	0
NM_001253800	ZNF331	0	0.328032712403453	1	2.00E-04	NA	NA	0.0013	0
NM_001256169	APOM	0	0.328032712403453	1	2.00E-04	NA	NA	0.0013	0
NR_045828	APOM	0	0.328032712403453	1	2.00E-04	NA	NA	0.0013	0
NM_001198943	DTNA	0.0654248069059518	0.393457519309405	0.9988	8.00E-04	NA	NA	0.0045	1.00E-04
NM_013372	GREM1	0	0.3284870513403	1	2.00E-04	NA	NA	0.0013	0
NM_001191322	GREM1	0	0.3284870513403	1	2.00E-04	NA	NA	0.0013	0
NM_001191323	GREM1	0	0.3284870513403	1	2.00E-04	NA	NA	0.0013	0
NM_016173	HEMK1	0	0.3284870513403	1	2.00E-04	NA	NA	0.0013	0
NM_033053	DMRTC1	0	0.3284870513403	1	2.00E-04	NA	NA	0.0013	0
NM_001080851	DMRTC1B	0	0.3284870513403	1	2.00E-04	NA	NA	0.0013	0
NM_001199214	STMN2	0.12267151294866	0.451612903225806	1	2.00E-04	NA	NA	0.0013	0
NM_007029	STMN2	0.12267151294866	0.451612903225806	1	2.00E-04	NA	NA	0.0013	0
NM_001020821	MYADM	0	0.328941390277147	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_001020818	MYADM	0	0.328941390277147	1	2.00E-04	NA	NA	0.0013	0
NM_005378	MYCN	0	0.328941390277147	1	2.00E-04	NA	NA	0.0013	0
NM_001024629	NRP1	0	0.328941390277147	1	2.00E-04	NA	NA	0.0013	0
NM_001244973	NRP1	0	0.328941390277147	1	2.00E-04	NA	NA	0.0013	0
NM_003873	NRP1	0	0.328941390277147	1	2.00E-04	NA	NA	0.0013	0
NR_045259	NRP1	0	0.328941390277147	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_001024628	NRP1	0	0.328941390277147	1	2.00E-04	NA	NA	0.0013	0
NM_001244972	NRP1	0	0.328941390277147	1	2.00E-04	NA	NA	0.0013	0
NR_024420	LINC00937	0	0.328941390277147	1	2.00E-04	NA	NA	0.0013	0
NM_013244	MGAT4C	0	0.328941390277147	1	2.00E-04	NA	NA	0.0013	0
NM_001252275	UGT2A1	0	0.328941390277147	0.9966	0.0058	NA	NA	0.027	8.00E-04

NM_006798	UGT2A1	0	0.328941390277147	0.997	0.0038	NA	NA	0.0251	6.00E-04
NM_001252274	UGT2A1	0	0.328941390277147	0.9956	0.0048	NA	NA	0.0251	7.00E-04
NM_001142598	P4HA2	0	0.328941390277147	1	2.00E-04	NA	NA	0.0013	0
NM_001142599	P4HA2	0	0.328941390277147	1	2.00E-04	NA	NA	0.0013	0
NM_001017974	P4HA2	0	0.328941390277147	1	2.00E-04	NA	NA	0.0013	0
NM_006187	OAS3	0	0.329395729213994	1	2.00E-04	NA	NA	0.0013	0
NM_173088	CAPN3	0	0.329395729213994	1	2.00E-04	NA	NA	0.0013	0
NM_001243438	SPECC1	0	0.329395729213994	1	2.00E-04	NA	NA	0.0013	0
NM_001033555	SPECC1	0	0.329395729213994	1	2.00E-04	NA	NA	0.0013	0
NM_001033554	SPECC1	0	0.329395729213994	1	2.00E-04	NA	NA	0.0013	0
NM_006180	NTRK2	0	0.329395729213994	1	2.00E-04	NA	NA	0.0013	0
NM_001018064	NTRK2	0	0.329395729213994	1	2.00E-04	NA	NA	0.0013	0
NM_001271733	MST1L	0	0.329395729213994	1	2.00E-04	NA	NA	0.0013	0
NM_001258418	ARHGAP20	0	0.329395729213994	1	2.00E-04	NA	NA	0.0013	0
NM_001258416	ARHGAP20	0	0.329395729213994	1	2.00E-04	NA	NA	0.0013	0
NM_006145	DNAJB1	0	0.329395729213994	1	2.00E-04	NA	NA	0.0013	0
NM_006727	CDH10	0	0.329395729213994	1	2.00E-04	NA	NA	0.0013	0
NM_207521	RTN4	0.0131758291685597	0.3430258973194	1	2.00E-04	NA	NA	0.0013	0
NM_005298	GPR25	0	0.329850068150841	1	2.00E-04	NA	NA	0.0013	0
NM_152328	ADSSL1	0	0.329850068150841	1	2.00E-04	NA	NA	0.0013	0
NM_001248	ENTPD3	0	0.329850068150841	1	2.00E-04	NA	NA	0.0013	0
NM_001282556	HHLA2	0	0.329850068150841	1	2.00E-04	NA	NA	0.0013	0
NM_001282558	HHLA2	0	0.329850068150841	1	2.00E-04	NA	NA	0.0013	0
NM_001282559	HHLA2	0	0.329850068150841	1	2.00E-04	NA	NA	0.0013	0
NM_205767	C19orf70	0	0.329850068150841	1	2.00E-04	NA	NA	0.0013	0
NM_015265	SATB2	0	0.329850068150841	1	2.00E-04	NA	NA	0.0013	0
NM_001105205	RUSC1	0	0.330304407087687	1	2.00E-04	NA	NA	0.0013	0
NM_001278229	RUSC1	0	0.330304407087687	1	2.00E-04	NA	NA	0.0013	0
NM_014328	RUSC1	0	0.330304407087687	1	2.00E-04	NA	NA	0.0013	0
NM_001278227	RUSC1	0	0.330304407087687	1	2.00E-04	NA	NA	0.0013	0
NM_001278228	RUSC1	0	0.330304407087687	1	2.00E-04	NA	NA	0.0013	0
NM_053280	ODF3	0	0.330304407087687	1	2.00E-04	NA	NA	0.0013	0
NM_145000	RANBP3L	0	0.330304407087687	1	2.00E-04	NA	NA	0.0013	0
NM_001161429	RANBP3L	0	0.330304407087687	1	2.00E-04	NA	NA	0.0013	0
NM_032687	CYHR1	0	0.330304407087687	1	2.00E-04	NA	NA	0.0013	0
NM_001278170	ZNF33A	0	0.330758746024534	1	2.00E-04	NA	NA	0.0013	0
NM_001278173	ZNF33A	0	0.330758746024534	1	2.00E-04	NA	NA	0.0013	0
NM_001278174	ZNF33A	0	0.330758746024534	1	2.00E-04	NA	NA	0.0013	0
NM_006974	ZNF33A	0	0.330758746024534	1	2.00E-04	NA	NA	0.0013	0
NM_006954	ZNF33A	0	0.330758746024534	1	2.00E-04	NA	NA	0.0013	0
NM_001278179	ZNF33A	0	0.330758746024534	1	2.00E-04	NA	NA	0.0013	0
NM_001278176	ZNF33A	0	0.330758746024534	1	2.00E-04	NA	NA	0.0013	0
NM_001278178	ZNF33A	0	0.330758746024534	1	2.00E-04	NA	NA	0.0013	0
NM_001278177	ZNF33A	0	0.330758746024534	1	2.00E-04	NA	NA	0.0013	0

NM_001278175	ZNF33A	0	0.330758746024534	1	2.00E-04	NA	NA	0.0013	0
NM_001278171	ZNF33A	0	0.330758746024534	1	2.00E-04	NA	NA	0.0013	0
NM_001114982	TP63	0	0.330758746024534	1	2.00E-04	NA	NA	0.0013	0
NM_001114981	TP63	0	0.330758746024534	1	2.00E-04	NA	NA	0.0013	0
NM_001114980	TP63	0	0.330758746024534	1	2.00E-04	NA	NA	0.0013	0
NR_024348	FBXL19-AS1	0	0.330758746024534	1	2.00E-04	NA	NA	0.0013	0
NR_073443	HDAC2	0	0.330758746024534	1	0.005	NA	NA	0.0251	7.00E-04
NM_004416	DTX1	0.10358927760109	0.434348023625625	0.9906	0.0098	NA	NA	0.0539	0.0014
NM_016178	OAZ3	0	0.331213084961381	1	2.00E-04	NA	NA	0.0013	0
NM_001134877	C14orf80	0	0.331213084961381	1	4.00E-04	NA	NA	0.0029	1.00E-04
NR_024008	WWC2-AS2	0	0.331213084961381	1	2.00E-04	NA	NA	0.0013	0
NM_005321	HIST1H1E	0.0463425715583826	0.377555656519764	0.9196	0.0878	NA	NA	0.4511	0.0121
NM_001243768	APITD1-CORT	0	0.331667423898228	1	0.004	NA	NA	0.0251	6.00E-04
NR_037187	APITD1-CORT	0	0.331667423898228	1	0.0036	NA	NA	0.0173	5.00E-04
NR_036462	APITD1	0	0.331667423898228	1	0.0038	NA	NA	0.0251	6.00E-04
NM_004419	DUSP5	0	0.331667423898228	1	2.00E-04	NA	NA	0.0013	0
NM_001657	AREG	0	0.331667423898228	1	6.00E-04	NA	NA	0.0039	1.00E-04
NM_006469	IVNS1ABP	0	0.331667423898228	1	2.00E-04	NA	NA	0.0013	0
NM_020921	NIN	0	0.331667423898228	1	2.00E-04	NA	NA	0.0013	0
NM_182946	NIN	0	0.331667423898228	1	2.00E-04	NA	NA	0.0013	0
NM_182944	NIN	0	0.331667423898228	1	2.00E-04	NA	NA	0.0013	0
NM_016350	NIN	0	0.331667423898228	1	2.00E-04	NA	NA	0.0013	0
NM_001199887	IL7	0	0.331667423898228	1	2.00E-04	NA	NA	0.0013	0
NM_001199888	IL7	0	0.331667423898228	1	2.00E-04	NA	NA	0.0013	0
NM_001199886	IL7	0	0.331667423898228	1	2.00E-04	NA	NA	0.0013	0
NM_000880	IL7	0	0.331667423898228	1	2.00E-04	NA	NA	0.0013	0
NM_001164783	BCKDHA	0	0.332121762835075	1	2.00E-04	NA	NA	0.0013	0
NM_000709	BCKDHA	0	0.332121762835075	1	2.00E-04	NA	NA	0.0013	0
NM_001134758	ARFRP1	0	0.332576101771922	1	2.00E-04	NA	NA	0.0013	0
NM_003224	ARFRP1	0	0.332576101771922	1	2.00E-04	NA	NA	0.0013	0
NR_051955	ARFRP1	0	0.332576101771922	1	2.00E-04	NA	NA	0.0013	0
NR_051954	ARFRP1	0	0.332576101771922	1	2.00E-04	NA	NA	0.0013	0
NM_001267546	ARFRP1	0	0.332576101771922	1	2.00E-04	NA	NA	0.0013	0
NM_001267545	ARFRP1	0	0.332576101771922	1	2.00E-04	NA	NA	0.0013	0
NM_001267544	ARFRP1	0	0.332576101771922	1	2.00E-04	NA	NA	0.0013	0
NM_001267547	ARFRP1	0	0.332576101771922	1	2.00E-04	NA	NA	0.0013	0
NR_051958	ARFRP1	0	0.332576101771922	1	2.00E-04	NA	NA	0.0013	0
NM_001267549	ARFRP1	0	0.332576101771922	1	2.00E-04	NA	NA	0.0013	0
NM_001267548	ARFRP1	0	0.332576101771922	1	2.00E-04	NA	NA	0.0013	0
NR_051957	ARFRP1	0	0.332576101771922	1	2.00E-04	NA	NA	0.0013	0
NR_051956	ARFRP1	0	0.332576101771922	1	2.00E-04	NA	NA	0.0013	0
NM_024717	MCTP1	0	0.332576101771922	1	2.00E-04	NA	NA	0.0013	0
NM_031442	TMEM47	0	0.332576101771922	1	2.00E-04	NA	NA	0.0013	0
NM_213653	HFE2	0	0.333030440708769	1	2.00E-04	NA	NA	0.0013	0

NM_213652	HFE2	0	0.333030440708769	1	2.00E-04	NA	NA	0.0013	0
NM_145277	HFE2	0	0.333030440708769	1	2.00E-04	NA	NA	0.0013	0
NM_202004	HFE2	0	0.333030440708769	1	2.00E-04	NA	NA	0.0013	0
NM_014212	HOXC11	0	0.333030440708769	1	2.00E-04	NA	NA	0.0013	0
NM_001193621	PINLYP	0	0.333030440708769	1	2.00E-04	NA	NA	0.0013	0
NM_021088	ZNF2	0	0.333030440708769	1	2.00E-04	NA	NA	0.0013	0
NM_001017396	ZNF2	0	0.333030440708769	1	2.00E-04	NA	NA	0.0013	0
NM_001282398	ZNF2	0	0.333030440708769	1	2.00E-04	NA	NA	0.0013	0
NM_001099403	PRDM8	0	0.333030440708769	1	2.00E-04	NA	NA	0.0013	0
NM_000426	LAMA2	0	0.333030440708769	1	2.00E-04	NA	NA	0.0013	0
NM_001079823	LAMA2	0	0.333030440708769	1	2.00E-04	NA	NA	0.0013	0
NM_001167822	BLCAP	0	0.333030440708769	1	2.00E-04	NA	NA	0.0013	0
NM_001167821	BLCAP	0	0.333030440708769	1	2.00E-04	NA	NA	0.0013	0
NM_019003	SPIN2A	0	0.333030440708769	1	2.00E-04	NA	NA	0.0013	0
NM_017655	GIPC2	0	0.333484779645616	1	2.00E-04	NA	NA	0.0013	0
NM_001206917	CACNB3	0	0.333484779645616	1	2.00E-04	NA	NA	0.0013	0
NR_038458	TOB1-AS1	0	0.333939118582463	0.9834	0.0136	NA	NA	0.0652	0.0019
NM_001145158	HBS1L	0	0.333939118582463	1	2.00E-04	NA	NA	0.0013	0
NM_006620	HBS1L	0	0.333939118582463	1	2.00E-04	NA	NA	0.0013	0
NM_001145207	HBS1L	0	0.333939118582463	1	2.00E-04	NA	NA	0.0013	0
NM_014980	STXBPSL	0	0.334393457519309	1	2.00E-04	NA	NA	0.0013	0
NM_001243645	CFL2	0	0.334393457519309	1	2.00E-04	NA	NA	0.0013	0
NM_001144060	NHSL1	0.0704225352112676	0.404815992730577	1	2.00E-04	NA	NA	0.0013	0
NM_001145258	IRAK4	0	0.334847796456156	1	2.00E-04	NA	NA	0.0013	0
NM_001145256	IRAK4	0	0.334847796456156	1	2.00E-04	NA	NA	0.0013	0
NM_016123	IRAK4	0	0.334847796456156	1	2.00E-04	NA	NA	0.0013	0
NM_001145257	IRAK4	0	0.334847796456156	1	2.00E-04	NA	NA	0.0013	0
NM_001114182	IRAK4	0	0.334847796456156	1	2.00E-04	NA	NA	0.0013	0
NM_181353	ID1	0	0.334847796456156	1	2.00E-04	NA	NA	0.0013	0
NM_002165	ID1	0	0.334847796456156	1	2.00E-04	NA	NA	0.0013	0
NM_001171906	NUDT16	0	0.334847796456156	1	2.00E-04	NA	NA	0.0013	0
NM_152395	NUDT16	0	0.334847796456156	1	2.00E-04	NA	NA	0.0013	0
NM_012347	FBXO9	0	0.334847796456156	1	2.00E-04	NA	NA	0.0013	0
NM_001143997	OGDHL	0	0.334847796456156	1	2.00E-04	NA	NA	0.0013	0
NM_001143996	OGDHL	0	0.334847796456156	1	2.00E-04	NA	NA	0.0013	0
NM_018245	OGDHL	0	0.334847796456156	1	2.00E-04	NA	NA	0.0013	0
NM_014898	ZFP30	0	0.334847796456156	1	0.0034	NA	NA	0.0173	5.00E-04
NM_004893	H2AFY	0	0.334847796456156	1	2.00E-04	NA	NA	0.0013	0
NM_006352	ZBTB18	0.110404361653794	0.445706497046797	1	2.00E-04	NA	NA	0.0013	0
NR_046356	GRIA4	0	0.335302135393003	1	2.00E-04	NA	NA	0.0013	0
NM_001112812	GRIA4	0	0.335302135393003	1	2.00E-04	NA	NA	0.0013	0
NM_001198784	C15orf65	0	0.335302135393003	1	2.00E-04	NA	NA	0.0013	0
NM_015050	CMTR1	0	0.335302135393003	1	2.00E-04	NA	NA	0.0013	0
NR_002935	FABP5P3	0	0.335302135393003	1	0.0034	NA	NA	0.0173	5.00E-04

NM_001145346	RBMXL3	0	0.335302135393003	1	2.00E-04	NA	NA	0.0013	0
NM_001256617	TUBGCP2	0	0.335302135393003	1	2.00E-04	NA	NA	0.0013	0
NM_001256618	TUBGCP2	0	0.335302135393003	1	2.00E-04	NA	NA	0.0013	0
NM_006659	TUBGCP2	0	0.335302135393003	1	2.00E-04	NA	NA	0.0013	0
NR_034159	FLJ30403	0	0.335302135393003	1	2.00E-04	NA	NA	0.0013	0
NM_144586	LYPD1	0	0.33575647432985	1	2.00E-04	NA	NA	0.0013	0
NM_001017372	SLC27A6	0	0.336210813266697	1	2.00E-04	NA	NA	0.0013	0
NM_014031	SLC27A6	0	0.336210813266697	1	2.00E-04	NA	NA	0.0013	0
NM_003728	UNC5C	0	0.336210813266697	1	2.00E-04	NA	NA	0.0013	0
NM_005993	TBCD	0	0.336665152203544	1	2.00E-04	NA	NA	0.0013	0
NM_001202550	WDR27	0	0.336665152203544	1	2.00E-04	NA	NA	0.0013	0
NM_182552	WDR27	0	0.336665152203544	1	2.00E-04	NA	NA	0.0013	0
NM_004297	GNA14	0	0.336665152203544	1	2.00E-04	NA	NA	0.0013	0
NM_016481	C9orf156	0.0449795547478419	0.381644706951386	1	2.00E-04	NA	NA	0.0013	0
NM_014044	UNC50	0	0.337119491140391	1	2.00E-04	NA	NA	0.0013	0
NM_001002009	NT5C3A	0	0.337119491140391	1	2.00E-04	NA	NA	0.0013	0
NM_001002010	NT5C3A	0	0.337119491140391	1	2.00E-04	NA	NA	0.0013	0
NM_012199	AGO1	0	0.337573830077238	1	2.00E-04	NA	NA	0.0013	0
NM_001004055	LRRC29	0	0.337573830077238	1	2.00E-04	NA	NA	0.0013	0
NM_012163	LRRC29	0	0.337573830077238	1	2.00E-04	NA	NA	0.0013	0
NM_007146	VEZF1	0	0.337573830077238	1	2.00E-04	NA	NA	0.0013	0
NM_001098625	JKAMP	0	0.338028169014085	1	2.00E-04	NA	NA	0.0013	0
NM_001284201	JKAMP	0	0.338028169014085	1	2.00E-04	NA	NA	0.0013	0
NM_001284202	JKAMP	0	0.338028169014085	1	2.00E-04	NA	NA	0.0013	0
NM_001284203	JKAMP	0	0.338028169014085	1	2.00E-04	NA	NA	0.0013	0
NM_001284204	JKAMP	0	0.338028169014085	1	2.00E-04	NA	NA	0.0013	0
NM_016475	JKAMP	0	0.338028169014085	1	2.00E-04	NA	NA	0.0013	0
NM_004317	ASNA1	0	0.338028169014085	1	2.00E-04	NA	NA	0.0013	0
NM_001174100	PCBP4	0	0.338028169014085	1	2.00E-04	NA	NA	0.0013	0
NM_033008	PCBP4	0	0.338028169014085	1	2.00E-04	NA	NA	0.0013	0
NM_017911	FAM118A	0	0.338482507950931	1	2.00E-04	NA	NA	0.0013	0
NM_030960	SPACA1	0	0.338482507950931	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_022129	PBLD	0	0.338482507950931	1	2.00E-04	NA	NA	0.0013	0
NM_001033083	PBLD	0	0.338482507950931	1	2.00E-04	NA	NA	0.0013	0
NM_138734	NRXN2	0	0.338482507950931	1	2.00E-04	NA	NA	0.0013	0
NM_001113402	AMN1	0	0.338482507950931	1	2.00E-04	NA	NA	0.0013	0
NR_103522	AMN1	0	0.338482507950931	1	2.00E-04	NA	NA	0.0013	0
NM_001278411	AMN1	0	0.338482507950931	1	2.00E-04	NA	NA	0.0013	0
NM_001278412	AMN1	0	0.338482507950931	1	2.00E-04	NA	NA	0.0013	0
NR_103523	AMN1	0	0.338482507950931	1	2.00E-04	NA	NA	0.0013	0
NM_181865	ACOT7	0	0.338936846887778	1	2.00E-04	NA	NA	0.0013	0
NM_001009931	HRNR	0	0.338936846887778	1	2.00E-04	NA	NA	0.0013	0
NM_025140	CCDC92	0	0.338936846887778	1	2.00E-04	NA	NA	0.0013	0
NM_021966	TCL1A	0	0.338936846887778	1	2.00E-04	NA	NA	0.0013	0

NM_001098725	TCL1A	0	0.338936846887778	1	2.00E-04	NA	NA	0.0013	0
NR_049726	TCL1A	0	0.338936846887778	1	2.00E-04	NA	NA	0.0013	0
NM_001202439	NCR3LG1	0	0.339391185824625	1	2.00E-04	NA	NA	0.0013	0
NM_003516	HIST2H2AA3	0	0.339391185824625	1	2.00E-04	NA	NA	0.0013	0
NM_001040874	HIST2H2AA4	0	0.339391185824625	1	2.00E-04	NA	NA	0.0013	0
NM_001085430	C17orf67	0	0.339391185824625	1	2.00E-04	NA	NA	0.0013	0
NM_170712	RASSF1	0	0.339391185824625	1	2.00E-04	NA	NA	0.0013	0
NM_006230	POLD2	0	0.339391185824625	1	2.00E-04	NA	NA	0.0013	0
NM_001127218	POLD2	0	0.339391185824625	1	2.00E-04	NA	NA	0.0013	0
NR_002918	SNORA48	0.0245343025897319	0.363925488414357	0.9404	0.0642	NA	NA	0.4511	0.0089
NM_001136215	ARTN	0	0.339845524761472	1	2.00E-04	NA	NA	0.0013	0
NM_057091	ARTN	0	0.339845524761472	1	2.00E-04	NA	NA	0.0013	0
NM_057090	ARTN	0	0.339845524761472	1	2.00E-04	NA	NA	0.0013	0
NM_182724	CREM	0	0.339845524761472	0.9998	2.00E-04	NA	NA	0.0013	0
NR_051971	CREM	0	0.339845524761472	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_182723	CREM	0	0.339845524761472	0.9998	2.00E-04	NA	NA	0.0013	0
NM_182721	CREM	0	0.339845524761472	1	2.00E-04	NA	NA	0.0013	0
NM_001267570	CREM	0	0.339845524761472	1	2.00E-04	NA	NA	0.0013	0
NR_051972	CREM	0	0.339845524761472	1	2.00E-04	NA	NA	0.0013	0
NM_012223	MYO1B	0	0.339845524761472	1	2.00E-04	NA	NA	0.0013	0
NM_001130158	MYO1B	0	0.339845524761472	1	2.00E-04	NA	NA	0.0013	0
NM_015577	RAI14	0	0.339845524761472	1	2.00E-04	NA	NA	0.0013	0
NM_001145522	RAI14	0	0.339845524761472	1	2.00E-04	NA	NA	0.0013	0
NM_001037332	CYFIP2	0	0.339845524761472	1	2.00E-04	NA	NA	0.0013	0
NM_016551	TM7SF3	0	0.339845524761472	1	2.00E-04	NA	NA	0.0013	0
NM_001199099	BAIAP3	0	0.340299863698319	1	2.00E-04	NA	NA	0.0013	0
NM_001199098	BAIAP3	0	0.340299863698319	1	2.00E-04	NA	NA	0.0013	0
NM_001199097	BAIAP3	0	0.340299863698319	1	2.00E-04	NA	NA	0.0013	0
NM_007350	PHLDA1	0	0.340299863698319	1	2.00E-04	NA	NA	0.0013	0
NM_004951	GPR183	0	0.340299863698319	1	2.00E-04	NA	NA	0.0013	0
NM_001025	RPS23	0	0.340299863698319	1	2.00E-04	NA	NA	0.0013	0
NM_032936	TMEM60	0	0.340754202635166	1	0.0012	NA	NA	0.0087	2.00E-04
NM_019111	HLA-DRA	0	0.341208541572013	1	2.00E-04	NA	NA	0.0013	0
NM_000553	WRN	0	0.341208541572013	1	2.00E-04	NA	NA	0.0013	0
NM_182836	RABGGTA	0	0.341208541572013	1	2.00E-04	NA	NA	0.0013	0
NM_004581	RABGGTA	0	0.341208541572013	1	2.00E-04	NA	NA	0.0013	0
NM_182920	ADAMTS9	0	0.341208541572013	1	2.00E-04	NA	NA	0.0013	0
NM_015139	SLC35D1	0	0.34166288050886	1	2.00E-04	NA	NA	0.0013	0
NM_017664	ANKRD10	0	0.34166288050886	1	2.00E-04	NA	NA	0.0013	0
NR_038396	LOC100506469	0	0.34166288050886	1	2.00E-04	NA	NA	0.0013	0
NR_073144	LOC101054525	0	0.342117219445706	1	2.00E-04	NA	NA	0.0013	0
NM_138281	DLX4	0	0.342117219445706	1	2.00E-04	NA	NA	0.0013	0
NM_001282805	MARCH7	0	0.342117219445706	1	2.00E-04	NA	NA	0.0013	0
NM_001282806	MARCH7	0	0.342117219445706	1	2.00E-04	NA	NA	0.0013	0

NM_022826	MARCH7	0	0.342117219445706	1	2.00E-04	NA	NA	0.0013	0
NR_033268	NUDT16	0	0.342117219445706	1	2.00E-04	NA	NA	0.0013	0
NM_001127645	GABRA1	0	0.342117219445706	1	2.00E-04	NA	NA	0.0013	0
NM_057096	CYP3A43	0	0.342117219445706	1	2.00E-04	NA	NA	0.0013	0
NR_103869	CYP3A43	0	0.342117219445706	1	2.00E-04	NA	NA	0.0013	0
NM_022820	CYP3A43	0	0.342117219445706	1	2.00E-04	NA	NA	0.0013	0
NM_001278921	CYP3A43	0	0.342117219445706	1	2.00E-04	NA	NA	0.0013	0
NR_103868	CYP3A43	0	0.342117219445706	1	2.00E-04	NA	NA	0.0013	0
NM_057095	CYP3A43	0	0.342117219445706	1	2.00E-04	NA	NA	0.0013	0
NM_003290	TPM4	0	0.342571558382553	1	2.00E-04	NA	NA	0.0013	0
NM_014463	LSM3	0	0.342571558382553	1	2.00E-04	NA	NA	0.0013	0
NM_001136543	LYSMD1	0	0.342571558382553	1	2.00E-04	NA	NA	0.0013	0
NM_001039771	CBLN3	0	0.342571558382553	1	2.00E-04	NA	NA	0.0013	0
NM_033657	DAP3	0	0.3430258973194	1	2.00E-04	NA	NA	0.0013	0
NM_004632	DAP3	0	0.3430258973194	1	2.00E-04	NA	NA	0.0013	0
NM_001199851	DAP3	0	0.3430258973194	1	2.00E-04	NA	NA	0.0013	0
NM_001199850	DAP3	0	0.3430258973194	1	2.00E-04	NA	NA	0.0013	0
NM_001199849	DAP3	0	0.3430258973194	1	2.00E-04	NA	NA	0.0013	0
NM_003299	HSP90B1	0	0.3430258973194	1	2.00E-04	NA	NA	0.0013	0
NM_001040665	STEAP2	0	0.3430258973194	0.9996	2.00E-04	NA	NA	0.0013	0
NM_001244946	STEAP2	0	0.3430258973194	0.9996	6.00E-04	NA	NA	0.0039	1.00E-04
NM_207520	RTN4	0	0.3430258973194	1	2.00E-04	NA	NA	0.0013	0
NM_020532	RTN4	0	0.3430258973194	1	2.00E-04	NA	NA	0.0013	0
NM_153828	RTN4	0	0.3430258973194	1	2.00E-04	NA	NA	0.0013	0
NM_001005479	OR5H6	0	0.343480236256247	1	2.00E-04	NA	NA	0.0013	0
NM_006309	LRRFIP2	0	0.343480236256247	1	2.00E-04	NA	NA	0.0013	0
NM_016121	KCTD3	0	0.343934575193094	1	2.00E-04	NA	NA	0.0013	0
NM_021176	G6PC2	0	0.343934575193094	1	2.00E-04	NA	NA	0.0013	0
NM_001081686	G6PC2	0	0.343934575193094	1	2.00E-04	NA	NA	0.0013	0
NM_004974	KCNA2	0	0.343934575193094	1	2.00E-04	NA	NA	0.0013	0
NM_144693	ZNF558	0	0.343934575193094	1	2.00E-04	NA	NA	0.0013	0
NR_030753	MIR615	0	0.344388914129941	1	2.00E-04	NA	NA	0.0013	0
NM_001130845	BCL6	0	0.344388914129941	1	2.00E-04	NA	NA	0.0013	0
NM_014789	ZNF623	0.0277146751476602	0.372557928214448	1	2.00E-04	NA	NA	0.0013	0
NR_036437	KCNC4	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_001039574	KCNC4	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_004978	KCNC4	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_016333	SRRM2	0	0.344843253066788	0.9986	0.0028	NA	NA	0.0173	4.00E-04
NM_006775	QKI	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_206853	QKI	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_206855	QKI	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_206854	QKI	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_018201	TBC1D13	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_001170553	VSIG1	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0

NM_182607	VSIG1	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_001144919	FGFR2	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_000141	FGFR2	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_022970	FGFR2	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_001144918	FGFR2	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_001144917	FGFR2	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NR_073009	FGFR2	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_000785	CYP27B1	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_000764	CYP2A7	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_030589	CYP2A7	0	0.344843253066788	1	2.00E-04	NA	NA	0.0013	0
NM_001283056	C14orf105	0.0613357564743299	0.406179009541118	1	2.00E-04	NA	NA	0.0013	0
NM_001283057	C14orf105	0.0613357564743299	0.406179009541118	1	2.00E-04	NA	NA	0.0013	0
NM_001283058	C14orf105	0.0613357564743299	0.406179009541118	1	2.00E-04	NA	NA	0.0013	0
NM_001283059	C14orf105	0.0613357564743299	0.406179009541118	1	2.00E-04	NA	NA	0.0013	0
NM_018168	C14orf105	0.0613357564743299	0.406179009541118	1	2.00E-04	NA	NA	0.0013	0
NM_001283060	C14orf105	0.0613357564743299	0.406179009541118	1	2.00E-04	NA	NA	0.0013	0
NM_004975	KCNB1	0	0.345297592003635	1	2.00E-04	NA	NA	0.0013	0
NM_018147	FAIM	0	0.345751930940482	1	6.00E-04	NA	NA	0.0039	1.00E-04
NM_003689	AKR7A2	0	0.345751930940482	1	2.00E-04	NA	NA	0.0013	0
NM_001796	CDH8	0	0.345751930940482	1	2.00E-04	NA	NA	0.0013	0
NR_003928	CHIAP2	0	0.346206269877328	0.9996	2.00E-04	NA	NA	0.0013	0
NM_001025076	CELF2	0	0.346206269877328	1	2.00E-04	NA	NA	0.0013	0
NM_001083591	CELF2	0	0.346206269877328	1	2.00E-04	NA	NA	0.0013	0
NM_057157	CYP26A1	0	0.346206269877328	1	2.00E-04	NA	NA	0.0013	0
NM_001166276	ARHGAP25	0	0.346660608814175	1	2.00E-04	NA	NA	0.0013	0
NM_014882	ARHGAP25	0	0.346660608814175	1	2.00E-04	NA	NA	0.0013	0
NM_006937	SUMO2	0	0.346660608814175	1	2.00E-04	NA	NA	0.0013	0
NM_001005849	SUMO2	0	0.346660608814175	1	2.00E-04	NA	NA	0.0013	0
NM_001282531	ADNP	0	0.346660608814175	1	2.00E-04	NA	NA	0.0013	0
NM_015339	ADNP	0	0.346660608814175	1	2.00E-04	NA	NA	0.0013	0
NM_181442	ADNP	0	0.346660608814175	1	2.00E-04	NA	NA	0.0013	0
NR_023920	WT1-AS	0	0.347114947751022	1	2.00E-04	NA	NA	0.0013	0
NM_212557	AMTN	0	0.347114947751022	1	2.00E-04	NA	NA	0.0013	0
NR_103460	TPM3	0	0.347114947751022	1	2.00E-04	NA	NA	0.0013	0
NM_152263	TPM3	0	0.347114947751022	1	2.00E-04	NA	NA	0.0013	0
NM_058192	RPUSD1	0	0.347114947751022	1	2.00E-04	NA	NA	0.0013	0
NM_002470	MYH3	0	0.347114947751022	1	2.00E-04	NA	NA	0.0013	0
NM_000367	TPMT	0	0.347114947751022	1	2.00E-04	NA	NA	0.0013	0
NM_001080508	TBX18	0	0.347114947751022	1	2.00E-04	NA	NA	0.0013	0
NM_000728	CALCB	0	0.347569286687869	1	2.00E-04	NA	NA	0.0013	0
NM_022134	GAL3ST2	0	0.347569286687869	1	2.00E-04	NA	NA	0.0013	0
NM_001184975	PACSIN3	0	0.347569286687869	1	2.00E-04	NA	NA	0.0013	0
NM_001184974	PACSIN3	0	0.347569286687869	1	2.00E-04	NA	NA	0.0013	0
NM_016223	PACSIN3	0	0.347569286687869	1	2.00E-04	NA	NA	0.0013	0



NM_002115	HK3	0	0.347569286687869	1	2.00E-04	NA	NA	0.0013	0
NM_001113411	FGGY	0	0.348023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_018291	FGGY	0	0.348023625624716	1	2.00E-04	NA	NA	0.0013	0
NR_103473	FGGY	0	0.348023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_017824	MARCH5	0	0.348023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_003301	TRHR	0	0.348023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_001007097	NTRK2	0	0.348023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_001135553	MKNK1	0	0.348023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_003684	MKNK1	0	0.348023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_198973	MKNK1	0	0.348023625624716	1	2.00E-04	NA	NA	0.0013	0
NR_024174	MKNK1	0	0.348023625624716	1	2.00E-04	NA	NA	0.0013	0
NR_024176	MKNK1	0	0.348023625624716	1	2.00E-04	NA	NA	0.0013	0
NR_030724	XPNPEP1	0	0.348023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_020383	XPNPEP1	0	0.348023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_001167604	XPNPEP1	0	0.348023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_001256749	SSUH2	0	0.348023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_015931	SSUH2	0	0.348023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_001171743	C3orf18	0	0.348477964561563	1	2.00E-04	NA	NA	0.0013	0
NM_001171740	C3orf18	0	0.348477964561563	1	2.00E-04	NA	NA	0.0013	0
NM_016210	C3orf18	0	0.348477964561563	1	2.00E-04	NA	NA	0.0013	0
NR_026769	PPBPP2	0	0.348477964561563	1	2.00E-04	NA	NA	0.0013	0
NR_046229	GMDS-AS1	0	0.34893230349841	1	2.00E-04	NA	NA	0.0013	0
NR_047662	LOC729732	0	0.34893230349841	1	2.00E-04	NA	NA	0.0013	0
NM_001206559	POLR1D	0	0.349386642435257	1	2.00E-04	NA	NA	0.0013	0
NM_002667	PLN	0	0.349386642435257	1	2.00E-04	NA	NA	0.0013	0
NM_013448	BAZ1A	0	0.349386642435257	1	2.00E-04	NA	NA	0.0013	0
NM_182648	BAZ1A	0	0.349386642435257	1	2.00E-04	NA	NA	0.0013	0
NM_001251829	SPP1	0.00636074511585643	0.35620172648796	1	2.00E-04	NA	NA	0.0013	0
NM_000582	SPP1	0.00636074511585643	0.35620172648796	1	2.00E-04	NA	NA	0.0013	0
NM_001040060	SPP1	0.00636074511585643	0.35620172648796	1	2.00E-04	NA	NA	0.0013	0
NM_001040058	SPP1	0.00636074511585643	0.35620172648796	1	2.00E-04	NA	NA	0.0013	0
NM_001251830	SPP1	0.00636074511585643	0.35620172648796	1	2.00E-04	NA	NA	0.0013	0
NM_002596	CDK18	0	0.349840981372104	1	2.00E-04	NA	NA	0.0013	0
NM_212503	CDK18	0	0.349840981372104	1	2.00E-04	NA	NA	0.0013	0
NM_212502	CDK18	0	0.349840981372104	1	2.00E-04	NA	NA	0.0013	0
NM_005954	MT3	0	0.349840981372104	1	2.00E-04	NA	NA	0.0013	0
NM_001035505	BOLA3	0	0.349840981372104	1	2.00E-04	NA	NA	0.0013	0
NM_212552	BOLA3	0	0.349840981372104	1	2.00E-04	NA	NA	0.0013	0
NM_053013	ENO3	0	0.35029532030895	1	2.00E-04	NA	NA	0.0013	0
NM_001193503	ENO3	0	0.35029532030895	1	2.00E-04	NA	NA	0.0013	0
NM_001976	ENO3	0	0.35029532030895	1	2.00E-04	NA	NA	0.0013	0
NM_001079907	ZNF331	0	0.35029532030895	1	2.00E-04	NA	NA	0.0013	0
NM_133342	RAD17	0	0.35029532030895	1	2.00E-04	NA	NA	0.0013	0
NM_001143773	FAM13C	0	0.35029532030895	1	2.00E-04	NA	NA	0.0013	0

NM_015399	BRMS1	0	0.35029532030895	1	2.00E-04	NA	NA	0.0013	0
NM_001024957	BRMS1	0	0.35029532030895	1	2.00E-04	NA	NA	0.0013	0
NM_002250	KCNN4	0	0.35029532030895	1	2.00E-04	NA	NA	0.0013	0
NM_001135254	PAX7	0	0.350749659245797	1	2.00E-04	NA	NA	0.0013	0
NM_002584	PAX7	0	0.350749659245797	1	2.00E-04	NA	NA	0.0013	0
NM_013945	PAX7	0	0.350749659245797	1	2.00E-04	NA	NA	0.0013	0
NM_006090	CEPT1	0	0.350749659245797	1	2.00E-04	NA	NA	0.0013	0
NM_173483	CYP4F22	0	0.350749659245797	1	2.00E-04	NA	NA	0.0013	0
NM_001267617	ARPP21	0	0.350749659245797	1	2.00E-04	NA	NA	0.0013	0
NM_001099668	HIGD1A	0	0.350749659245797	1	2.00E-04	NA	NA	0.0013	0
NR_002973	SNORA40	0.101771921853703	0.4525215810995	0.9988	0.0016	NA	NA	0.0087	2.00E-04
NM_000028	AGL	0	0.351203998182644	1	2.00E-04	NA	NA	0.0013	0
NM_000643	AGL	0	0.351203998182644	1	2.00E-04	NA	NA	0.0013	0
NM_000644	AGL	0	0.351203998182644	1	2.00E-04	NA	NA	0.0013	0
NM_018518	MCM10	0	0.351203998182644	1	2.00E-04	NA	NA	0.0013	0
NM_182751	MCM10	0	0.351203998182644	1	2.00E-04	NA	NA	0.0013	0
NM_080687	UPF3A	0	0.351203998182644	1	2.00E-04	NA	NA	0.0013	0
NM_023011	UPF3A	0	0.351203998182644	1	2.00E-04	NA	NA	0.0013	0
NM_000633	BCL2	0	0.351203998182644	1	2.00E-04	NA	NA	0.0013	0
NM_000657	BCL2	0	0.351203998182644	1	2.00E-04	NA	NA	0.0013	0
NM_018958	NPAP1	0	0.351658337119491	1	2.00E-04	NA	NA	0.0013	0
NM_021005	NR2F2	0	0.351658337119491	1	2.00E-04	NA	NA	0.0013	0
NM_017742	ZCCHC2	0	0.351658337119491	1	2.00E-04	NA	NA	0.0013	0
NM_004779	CNOT8	0	0.351658337119491	1	6.00E-04	NA	NA	0.0039	1.00E-04
NM_005060	RORC	0	0.351658337119491	1	2.00E-04	NA	NA	0.0013	0
NR_002439	SNORD43	0	0.351658337119491	1	2.00E-04	NA	NA	0.0013	0
NM_178175	LHFPL1	0	0.351658337119491	1	2.00E-04	NA	NA	0.0013	0
NM_001759	CCND2	0	0.352112676056338	1	2.00E-04	NA	NA	0.0013	0
NM_001040666	STEAP2	0	0.352112676056338	1	2.00E-04	NA	NA	0.0013	0
NM_052936	ATG4A	0	0.352112676056338	1	2.00E-04	NA	NA	0.0013	0
NM_178270	ATG4A	0	0.352112676056338	1	2.00E-04	NA	NA	0.0013	0
NM_006185	NUMA1	0	0.352112676056338	1	2.00E-04	NA	NA	0.0013	0
NM_015137	EFR3A	0	0.352567014993185	1	2.00E-04	NA	NA	0.0013	0
NM_181449	CD300E	0	0.352567014993185	1	2.00E-04	NA	NA	0.0013	0
NM_181842	ZBTB12	0	0.352567014993185	1	2.00E-04	NA	NA	0.0013	0
NR_034015	LOC100131060	0	0.353021353930032	1	2.00E-04	NA	NA	0.0013	0
NR_034014	LOC100131060	0	0.353021353930032	1	2.00E-04	NA	NA	0.0013	0
NR_102429	OSGEPL1-AS1	0	0.353021353930032	1	2.00E-04	NA	NA	0.0013	0
NM_005301	GPR35	0	0.353021353930032	1	2.00E-04	NA	NA	0.0013	0
NM_006722	MITF	0	0.353021353930032	1	2.00E-04	NA	NA	0.0013	0
NM_004282	BAG2	0	0.353021353930032	1	2.00E-04	NA	NA	0.0013	0
NM_007218	RNF139	0	0.353021353930032	1	2.00E-04	NA	NA	0.0013	0
NM_003482	KMT2D	0	0.353021353930032	1	2.00E-04	NA	NA	0.0013	0
NM_014804	KIAA0753	0	0.353021353930032	1	2.00E-04	NA	NA	0.0013	0

NM_001172509	SATB2	0	0.353021353930032	1	2.00E-04	NA	NA	0.0013	0
NM_004004	GJB2	0	0.353475692866879	1	2.00E-04	NA	NA	0.0013	0
NM_002958	RYK	0	0.353475692866879	1	2.00E-04	NA	NA	0.0013	0
NM_001005861	RYK	0	0.353475692866879	1	2.00E-04	NA	NA	0.0013	0
NM_173663	FAM153A	0	0.353475692866879	1	2.00E-04	NA	NA	0.0013	0
NM_024676	SH3D21	0	0.353930031803726	1	2.00E-04	NA	NA	0.0013	0
NM_001270952	UCHL3	0	0.353930031803726	1	2.00E-04	NA	NA	0.0013	0
NM_015461	ZNF521	0	0.353930031803726	1	2.00E-04	NA	NA	0.0013	0
NM_001143762	EIF5A	0	0.354384370740572	0.937	0.0628	NA	NA	0.4511	0.0087
NM_006633	IQGAP2	0	0.354384370740572	1	2.00E-04	NA	NA	0.0013	0
NM_198267	ING3	0	0.354384370740572	1	2.00E-04	NA	NA	0.0013	0
NM_019071	ING3	0	0.354384370740572	1	2.00E-04	NA	NA	0.0013	0
NM_015527	TBC1D10B	0	0.354384370740572	1	2.00E-04	NA	NA	0.0013	0
NM_016553	NUP62	0	0.354384370740572	1	2.00E-04	NA	NA	0.0013	0
NM_178349	LCE1B	0	0.354838709677419	1	2.00E-04	NA	NA	0.0013	0
NM_002795	PSMB3	0	0.354838709677419	1	2.00E-04	NA	NA	0.0013	0
NR_104194	PSMB3	0	0.354838709677419	1	2.00E-04	NA	NA	0.0013	0
NR_104195	PSMB3	0	0.354838709677419	1	2.00E-04	NA	NA	0.0013	0
NM_015263	DMXL2	0	0.354838709677419	0.9896	0.0134	NA	NA	0.0652	0.0019
NM_001174116	DMXL2	0	0.354838709677419	0.9872	0.0102	NA	NA	0.0539	0.0015
NM_001174117	DMXL2	0	0.354838709677419	0.9876	0.01	NA	NA	0.0539	0.0014
NM_024689	CXorf36	0	0.354838709677419	1	2.00E-04	NA	NA	0.0013	0
NM_176819	CXorf36	0	0.354838709677419	1	2.00E-04	NA	NA	0.0013	0
NM_004950	EPYC	0	0.355293048614266	1	2.00E-04	NA	NA	0.0013	0
NM_080742	B3GAT2	0	0.355293048614266	1	2.00E-04	NA	NA	0.0013	0
NM_001282116	RFX3	0	0.355293048614266	1	2.00E-04	NA	NA	0.0013	0
NM_134428	RFX3	0	0.355293048614266	1	2.00E-04	NA	NA	0.0013	0
NM_203425	C17orf82	0	0.355747387551113	1	2.00E-04	NA	NA	0.0013	0
NM_001200029	HYAL3	0	0.355747387551113	1	2.00E-04	NA	NA	0.0013	0
NM_206966	CSorf46	0	0.355747387551113	1	2.00E-04	NA	NA	0.0013	0
NM_002735	PRKAR1B	0	0.35620172648796	1	2.00E-04	NA	NA	0.0013	0
NM_001164762	PRKAR1B	0	0.35620172648796	1	2.00E-04	NA	NA	0.0013	0
NM_007374	SIX6	0	0.356656065424807	1	2.00E-04	NA	NA	0.0013	0
NM_018455	CENPN	0	0.356656065424807	1	2.00E-04	NA	NA	0.0013	0
NM_001270473	CENPN	0	0.356656065424807	1	2.00E-04	NA	NA	0.0013	0
NM_001100624	CENPN	0	0.356656065424807	1	2.00E-04	NA	NA	0.0013	0
NM_001100625	CENPN	0	0.356656065424807	1	2.00E-04	NA	NA	0.0013	0
NM_001270474	CENPN	0	0.356656065424807	1	2.00E-04	NA	NA	0.0013	0
NM_001199054	CDIP1	0	0.356656065424807	1	2.00E-04	NA	NA	0.0013	0
NM_012472	LRRC6	0	0.356656065424807	1	2.00E-04	NA	NA	0.0013	0
NR_073525	LRRC6	0	0.356656065424807	1	2.00E-04	NA	NA	0.0013	0
NM_004308	ARHGAP1	0	0.357110404361654	1	2.00E-04	NA	NA	0.0013	0
NM_033266	ERN2	0	0.357110404361654	1	2.00E-04	NA	NA	0.0013	0
NM_001280	CIRBP	0	0.357564743298501	1	2.00E-04	NA	NA	0.0013	0

NR_023313	CIRBP	0	0.357564743298501	1	2.00E-04	NA	NA	0.0013	0
NR_023312	CIRBP	0	0.357564743298501	1	2.00E-04	NA	NA	0.0013	0
NM_005574	LMO2	0	0.357564743298501	1	2.00E-04	NA	NA	0.0013	0
NM_052818	N4BP2L1	0	0.357564743298501	1	2.00E-04	NA	NA	0.0013	0
NM_001079691	N4BP2L1	0	0.357564743298501	1	2.00E-04	NA	NA	0.0013	0
NR_027053	LOC646214	0	0.357564743298501	1	2.00E-04	NA	NA	0.0013	0
NM_001042698	ZSWIM7	0	0.357564743298501	1	2.00E-04	NA	NA	0.0013	0
NM_001042697	ZSWIM7	0	0.357564743298501	1	2.00E-04	NA	NA	0.0013	0
NM_198867	ALKBH6	0	0.357564743298501	1	2.00E-04	NA	NA	0.0013	0
NM_032878	ALKBH6	0	0.357564743298501	1	2.00E-04	NA	NA	0.0013	0
NM_001001888	VCX3B	0	0.358019082235348	1	2.00E-04	NA	NA	0.0013	0
NM_001145413	NFE2L2	0	0.358019082235348	0.9708	0.032	NA	NA	0.3764	0.0045
NM_001145412	NFE2L2	0	0.358019082235348	0.9662	0.0368	NA	NA	0.3764	0.0052
NM_032520	GNPTG	0	0.358473421172194	1	2.00E-04	NA	NA	0.0013	0
NM_003609	HIRIP3	0	0.358473421172194	1	2.00E-04	NA	NA	0.0013	0
NM_001197323	HIRIP3	0	0.358473421172194	1	2.00E-04	NA	NA	0.0013	0
NM_013450	BAZ2B	0	0.358473421172194	1	2.00E-04	NA	NA	0.0013	0
NM_002432	MNDA	0	0.358927760109041	1	2.00E-04	NA	NA	0.0013	0
NM_016395	PTPLAD1	0	0.358927760109041	1	2.00E-04	NA	NA	0.0013	0
NM_006437	PARP4	0	0.358927760109041	1	2.00E-04	NA	NA	0.0013	0
NR_037939	HOXA10	0	0.358927760109041	1	2.00E-04	NA	NA	0.0013	0
NR_037940	HOXA10-HOXA9	0	0.358927760109041	1	2.00E-04	NA	NA	0.0013	0
NR_033192	CCDC59	0.0935938209904589	0.4525215810995	1	0.0012	NA	NA	0.0087	2.00E-04
NM_020873	LRRN1	0	0.359836437982735	1	2.00E-04	NA	NA	0.0013	0
NM_015892	CHST15	0	0.359836437982735	1	2.00E-04	NA	NA	0.0013	0
NM_014863	CHST15	0	0.359836437982735	1	2.00E-04	NA	NA	0.0013	0
NM_198494	ZFP69	0	0.360290776919582	1	2.00E-04	NA	NA	0.0013	0
NM_004279	PMPCB	0	0.360290776919582	1	2.00E-04	NA	NA	0.0013	0
NM_001252226	PLK2	0	0.360290776919582	1	2.00E-04	NA	NA	0.0013	0
NM_006622	PLK2	0	0.360290776919582	1	2.00E-04	NA	NA	0.0013	0
NM_001508	GPR39	0.00772376192639709	0.368468877782826	1	2.00E-04	NA	NA	0.0013	0
NM_003198	TCEB3	0	0.360745115856429	1	2.00E-04	NA	NA	0.0013	0
NM_006200	PCSK5	0	0.360745115856429	1	2.00E-04	NA	NA	0.0013	0
NM_001190482	PCSK5	0	0.360745115856429	1	2.00E-04	NA	NA	0.0013	0
NM_012346	NUP62	0	0.360745115856429	1	2.00E-04	NA	NA	0.0013	0
NM_153719	NUP62	0	0.360745115856429	1	2.00E-04	NA	NA	0.0013	0
NM_001193357	NUP62	0	0.360745115856429	1	2.00E-04	NA	NA	0.0013	0
NM_172374	IL4I1	0	0.360745115856429	1	2.00E-04	NA	NA	0.0013	0
NM_001258018	IL4I1	0	0.360745115856429	1	2.00E-04	NA	NA	0.0013	0
NM_001258017	IL4I1	0	0.360745115856429	1	2.00E-04	NA	NA	0.0013	0
NM_153718	NUP62	0	0.360745115856429	1	2.00E-04	NA	NA	0.0013	0
NR_047577	IL4I1	0	0.360745115856429	1	2.00E-04	NA	NA	0.0013	0
NM_013423	ARHGAP6	0	0.360745115856429	1	2.00E-04	NA	NA	0.0013	0
NM_005251	FOXC2	0.0504316219900045	0.41163107678328	0.9968	0.0026	NA	NA	0.0173	4.00E-04

NM_001159596	BIVM	0	0.361199454793276	1	2.00E-04	NA	NA	0.0013	0
NM_017693	BIVM	0	0.361199454793276	1	2.00E-04	NA	NA	0.0013	0
NR_038227	RASSF8-AS1	0	0.361199454793276	1	2.00E-04	NA	NA	0.0013	0
NM_006224	PITPNA	0	0.361199454793276	1	2.00E-04	NA	NA	0.0013	0
NM_198393	TEX14	0.115402089959109	0.477055883689232	1	2.00E-04	NA	NA	0.0013	0
NM_001201457	TEX14	0.115402089959109	0.477055883689232	1	2.00E-04	NA	NA	0.0013	0
NM_031272	TEX14	0.115402089959109	0.477055883689232	1	2.00E-04	NA	NA	0.0013	0
NM_205768	ZBTB18	0	0.36210813266697	1	2.00E-04	NA	NA	0.0013	0
NM_001018065	NTRK2	0	0.36210813266697	1	2.00E-04	NA	NA	0.0013	0
NM_001018066	NTRK2	0	0.36210813266697	1	2.00E-04	NA	NA	0.0013	0
NM_203474	PORCN	0	0.36210813266697	1	2.00E-04	NA	NA	0.0013	0
NM_007051	FAF1	0	0.36210813266697	1	2.00E-04	NA	NA	0.0013	0
NM_001271162	PGR	0	0.36210813266697	1	2.00E-04	NA	NA	0.0013	0
NR_038942	LOC100630918	0	0.36210813266697	1	2.00E-04	NA	NA	0.0013	0
NR_031688	MIR5482	0	0.36210813266697	1	2.00E-04	NA	NA	0.0013	0
NM_016613	FAM198B	0	0.36210813266697	1	2.00E-04	NA	NA	0.0013	0
NM_001134709	DEK	0	0.36210813266697	1	2.00E-04	NA	NA	0.0013	0
NM_003472	DEK	0	0.36210813266697	1	2.00E-04	NA	NA	0.0013	0
NM_001098638	RNF169	0	0.362562471603816	1	2.00E-04	NA	NA	0.0013	0
NM_001005240	OR4F17	0	0.362562471603816	1	2.00E-04	NA	NA	0.0013	0
NM_021927	GUF1	0	0.362562471603816	1	0.0038	NA	NA	0.0251	6.00E-04
NM_175921	C5orf51	0	0.362562471603816	1	2.00E-04	NA	NA	0.0013	0
NM_007278	GABARAP	0	0.362562471603816	1	2.00E-04	NA	NA	0.0013	0
NM_001042475	CEP85L	0	0.362562471603816	1	2.00E-04	NA	NA	0.0013	0
NM_206921	CEP85L	0	0.362562471603816	1	2.00E-04	NA	NA	0.0013	0
NM_004586	RPS6KA3	0	0.362562471603816	1	2.00E-04	NA	NA	0.0013	0
NM_000402	G6PD	0	0.362562471603816	1	2.00E-04	NA	NA	0.0013	0
NM_001042351	G6PD	0	0.362562471603816	1	2.00E-04	NA	NA	0.0013	0
NM_004580	RAB27A	0.127669241253975	0.490231712857792	1	2.00E-04	NA	NA	0.0013	0
NM_144587	BTBD16	0	0.363016810540663	1	2.00E-04	NA	NA	0.0013	0
NM_014239	EIF2B2	0	0.363016810540663	1	0.012	NA	NA	0.0652	0.0017
NR_026835	FLJ37201	0	0.363016810540663	1	2.00E-04	NA	NA	0.0013	0
NM_002662	PLD1	0	0.363016810540663	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_001130081	PLD1	0	0.363016810540663	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_152594	SPRED1	0	0.36347114947751	1	2.00E-04	NA	NA	0.0013	0
NM_138571	HINT3	0	0.36347114947751	1	2.00E-04	NA	NA	0.0013	0
NM_001199381	RNF145	0	0.36347114947751	1	2.00E-04	NA	NA	0.0013	0
NM_020702	KIAA1161	0	0.36347114947751	1	2.00E-04	NA	NA	0.0013	0
NM_001165136	HERC6	0.0499772830531577	0.413448432530668	1	2.00E-04	NA	NA	0.0013	0
NM_017912	HERC6	0.0499772830531577	0.413448432530668	1	2.00E-04	NA	NA	0.0013	0
NM_001256879	POLD2	0	0.363925488414357	1	2.00E-04	NA	NA	0.0013	0
NM_014872	ZBTB5	0	0.363925488414357	1	2.00E-04	NA	NA	0.0013	0
NM_016378	VCX2	0	0.363925488414357	1	2.00E-04	NA	NA	0.0013	0
NM_004982	KCNJ8	0	0.364379827351204	1	2.00E-04	NA	NA	0.0013	0

NM_001136262	ATXN7L3B	0	0.364834166288051	1	2.00E-04	NA	NA	0.0013	0
NM_001146256	ZDHHHC15	0	0.364834166288051	1	2.00E-04	NA	NA	0.0013	0
NM_144969	ZDHHHC15	0	0.364834166288051	1	2.00E-04	NA	NA	0.0013	0
NM_001146257	ZDHHHC15	0	0.364834166288051	1	2.00E-04	NA	NA	0.0013	0
NM_001163423	ZNF580	0	0.365288505224898	1	2.00E-04	NA	NA	0.0013	0
NR_034147	APCDD1L-AS1	0	0.365288505224898	1	2.00E-04	NA	NA	0.0013	0
NR_001282	PCDHB19P	0	0.365288505224898	0.997	0.0042	NA	NA	0.0251	6.00E-04
NM_032016	STAR3NL	0	0.365288505224898	1	2.00E-04	NA	NA	0.0013	0
NM_032138	KBTBD7	0	0.365288505224898	1	2.00E-04	NA	NA	0.0013	0
NM_001282855	IQUB	0	0.365288505224898	1	2.00E-04	NA	NA	0.0013	0
NR_104244	IQUB	0	0.365288505224898	1	2.00E-04	NA	NA	0.0013	0
NM_001170755	NBPF15	0	0.365742844161745	1	2.00E-04	NA	NA	0.0013	0
NM_005257	GATA6	0	0.365742844161745	1	2.00E-04	NA	NA	0.0013	0
NM_001174130	SLC11A2	0	0.366197183098592	1	2.00E-04	NA	NA	0.0013	0
NM_001107	ACYP1	0	0.366197183098592	1	2.00E-04	NA	NA	0.0013	0
NM_203488	ACYP1	0	0.366197183098592	1	2.00E-04	NA	NA	0.0013	0
NM_001080397	SLC45A1	0	0.366651522035438	1	2.00E-04	NA	NA	0.0013	0
NM_005704	PTPRU	0	0.366651522035438	1	2.00E-04	NA	NA	0.0013	0
NM_001195001	PTPRU	0	0.366651522035438	1	2.00E-04	NA	NA	0.0013	0
NM_133177	PTPRU	0	0.366651522035438	1	2.00E-04	NA	NA	0.0013	0
NM_133178	PTPRU	0	0.366651522035438	1	2.00E-04	NA	NA	0.0013	0
NM_001258039	SPRY1	0	0.366651522035438	1	2.00E-04	NA	NA	0.0013	0
NM_015101	COLGALT2	0	0.366651522035438	1	2.00E-04	NA	NA	0.0013	0
NM_001278	CHUK	0	0.366651522035438	1	2.00E-04	NA	NA	0.0013	0
NM_024072	DDX54	0	0.366651522035438	1	2.00E-04	NA	NA	0.0013	0
NM_001111322	DDX54	0	0.366651522035438	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_018052	VAC14	0	0.366651522035438	1	2.00E-04	NA	NA	0.0013	0
NM_007234	DCTN3	0	0.366651522035438	1	2.00E-04	NA	NA	0.0013	0
NM_024348	DCTN3	0	0.366651522035438	1	2.00E-04	NA	NA	0.0013	0
NM_001281425	DCTN3	0	0.366651522035438	1	2.00E-04	NA	NA	0.0013	0
NM_001281427	DCTN3	0	0.366651522035438	1	2.00E-04	NA	NA	0.0013	0
NM_001281426	DCTN3	0	0.366651522035438	1	2.00E-04	NA	NA	0.0013	0
NM_025098	MOGAT2	0.0104497955474784	0.377101317582917	1	2.00E-04	NA	NA	0.0013	0
NM_001191015	GSTO2	0	0.367105860972285	1	2.00E-04	NA	NA	0.0013	0
NM_001191014	GSTO2	0	0.367105860972285	1	2.00E-04	NA	NA	0.0013	0
NM_152447	LRFN5	0	0.367105860972285	1	2.00E-04	NA	NA	0.0013	0
NM_032955	AIF1	0	0.367105860972285	1	2.00E-04	NA	NA	0.0013	0
NM_212551	LYSMD1	0	0.367105860972285	1	2.00E-04	NA	NA	0.0013	0
NM_005760	CEBPZ	0	0.367105860972285	1	2.00E-04	NA	NA	0.0013	0
NM_017415	KLHL3	0	0.367105860972285	1	2.00E-04	NA	NA	0.0013	0
NM_001200018	NAT6	0	0.368014538845979	1	2.00E-04	NA	NA	0.0013	0
NM_001174108	ZBED6	0	0.368468877782826	1	2.00E-04	NA	NA	0.0013	0
NM_001242401	GHR	0	0.368468877782826	1	2.00E-04	NA	NA	0.0013	0
NM_001161376	C6orf136	0	0.368468877782826	1	2.00E-04	NA	NA	0.0013	0

NM_145029	<i>C6orf136</i>	0	0.368468877782826	1	2.00E-04	NA	NA	0.0013	0
NM_001109938	<i>C6orf136</i>	0	0.368468877782826	1	2.00E-04	NA	NA	0.0013	0
NM_001199260	<i>TOR1AIP2</i>	0	0.368468877782826	1	2.00E-04	NA	NA	0.0013	0
NM_022347	<i>TOR1AIP2</i>	0	0.368468877782826	1	2.00E-04	NA	NA	0.0013	0
NM_145034	<i>TOR1AIP2</i>	0	0.368468877782826	1	2.00E-04	NA	NA	0.0013	0
NM_182972	<i>IRF2BP2</i>	0	0.368468877782826	1	2.00E-04	NA	NA	0.0013	0
NM_001077397	<i>IRF2BP2</i>	0	0.368468877782826	1	2.00E-04	NA	NA	0.0013	0
NM_181893	<i>UBE2D3</i>	0	0.368468877782826	1	2.00E-04	NA	NA	0.0013	0
NM_181890	<i>UBE2D3</i>	0	0.368468877782826	1	2.00E-04	NA	NA	0.0013	0
NR_033961	<i>LSP1P3</i>	0	0.369831894593367	1	2.00E-04	NA	NA	0.0013	0
NM_152761	<i>CXorf58</i>	0	0.369831894593367	1	2.00E-04	NA	NA	0.0013	0
NM_001169574	<i>CXorf58</i>	0	0.369831894593367	1	2.00E-04	NA	NA	0.0013	0
NM_002358	<i>MAD2L1</i>	0	0.369831894593367	1	2.00E-04	NA	NA	0.0013	0
NM_013352	<i>DSE</i>	0	0.370286233530214	1	2.00E-04	NA	NA	0.0013	0
NM_005180	<i>BMI1</i>	0	0.37074057246706	1	2.00E-04	NA	NA	0.0013	0
NM_001172303	<i>MASTL</i>	0	0.37074057246706	1	2.00E-04	NA	NA	0.0013	0
NM_001172304	<i>MASTL</i>	0	0.37074057246706	1	2.00E-04	NA	NA	0.0013	0
NM_032844	<i>MASTL</i>	0	0.37074057246706	1	2.00E-04	NA	NA	0.0013	0
NM_003817	<i>ADAM7</i>	0	0.37074057246706	1	2.00E-04	NA	NA	0.0013	0
NM_004170	<i>SLC1A1</i>	0	0.37074057246706	1	2.00E-04	NA	NA	0.0013	0
NM_001079900	<i>SPACA5B</i>	0	0.37074057246706	1	2.00E-04	NA	NA	0.0013	0
NM_001901	<i>CTGF</i>	0	0.37074057246706	1	2.00E-04	NA	NA	0.0013	0
NM_003184	<i>TAF2</i>	0	0.37074057246706	1	2.00E-04	NA	NA	0.0013	0
NM_001163812	<i>C10orf2</i>	0	0.371194911403907	1	2.00E-04	NA	NA	0.0013	0
NM_021830	<i>C10orf2</i>	0	0.371194911403907	1	2.00E-04	NA	NA	0.0013	0
NM_001163814	<i>C10orf2</i>	0	0.371194911403907	1	2.00E-04	NA	NA	0.0013	0
NM_001163813	<i>C10orf2</i>	0	0.371194911403907	1	2.00E-04	NA	NA	0.0013	0
NM_004210	<i>NEURL</i>	0	0.371194911403907	1	2.00E-04	NA	NA	0.0013	0
NM_004380	<i>CREBBP</i>	0	0.371194911403907	1	2.00E-04	NA	NA	0.0013	0
NM_001079846	<i>CREBBP</i>	0	0.371194911403907	1	2.00E-04	NA	NA	0.0013	0
NM_004014	<i>DMD</i>	0	0.371194911403907	1	2.00E-04	NA	NA	0.0013	0
NM_006770	<i>MARCO</i>	0	0.371649250340754	1	2.00E-04	NA	NA	0.0013	0
NM_015384	<i>NIPBL</i>	0	0.371649250340754	1	2.00E-04	NA	NA	0.0013	0
NM_133433	<i>NIPBL</i>	0	0.371649250340754	1	2.00E-04	NA	NA	0.0013	0
NM_001130404	<i>PRR20B</i>	0	0.372103589277601	1	2.00E-04	NA	NA	0.0013	0
NM_001130405	<i>PRR20C</i>	0	0.372103589277601	1	2.00E-04	NA	NA	0.0013	0
NM_001130407	<i>PRR20E</i>	0	0.372103589277601	1	2.00E-04	NA	NA	0.0013	0
NM_198441	<i>PRR20A</i>	0	0.372103589277601	1	2.00E-04	NA	NA	0.0013	0
NR_038365	<i>FLJ46300</i>	0	0.372103589277601	1	2.00E-04	NA	NA	0.0013	0
NM_178221	<i>ATG4C</i>	0	0.372557928214448	1	2.00E-04	NA	NA	0.0013	0
NM_032852	<i>ATG4C</i>	0	0.372557928214448	1	2.00E-04	NA	NA	0.0013	0
NM_001165920	<i>SERPINF2</i>	0	0.372557928214448	1	2.00E-04	NA	NA	0.0013	0
NM_003014	<i>SFRP4</i>	0	0.372557928214448	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_018154	<i>ASF1B</i>	0.093139482053612	0.466151749204907	1	2.00E-04	NA	NA	0.0013	0

NM_001281501	FADS2	0	0.373012267151295	1	2.00E-04	NA	NA	0.0013	0
NM_001281502	FADS2	0	0.373012267151295	1	2.00E-04	NA	NA	0.0013	0
NM_144978	CCDC138	0	0.373012267151295	1	2.00E-04	NA	NA	0.0013	0
NR_028501	ECEL1P2	0	0.373012267151295	1	2.00E-04	NA	NA	0.0013	0
NM_016207	CPSF3	0	0.373466606088142	1	2.00E-04	NA	NA	0.0013	0
NM_133638	ADAMTS19	0	0.373466606088142	1	2.00E-04	NA	NA	0.0013	0
NM_021101	CLDN1	0	0.373466606088142	1	2.00E-04	NA	NA	0.0013	0
NM_001170574	FAM46D	0	0.373920945024989	1	2.00E-04	NA	NA	0.0013	0
NM_080746	RPL10L	0.0190822353475693	0.393457519309405	1	2.00E-04	NA	NA	0.0013	0
NM_016944	TAS2R4	0	0.374375283961836	1	2.00E-04	NA	NA	0.0013	0
NM_032534	KRBA1	0	0.374375283961836	1	2.00E-04	NA	NA	0.0013	0
NM_002278	KRT32	0	0.374375283961836	1	2.00E-04	NA	NA	0.0013	0
NM_006502	POLH	0	0.374829622898682	1	2.00E-04	NA	NA	0.0013	0
NM_001946	DUSP6	0	0.374829622898682	1	2.00E-04	NA	NA	0.0013	0
NM_022652	DUSP6	0	0.374829622898682	1	2.00E-04	NA	NA	0.0013	0
NM_001243473	B9D1	0	0.374829622898682	1	2.00E-04	NA	NA	0.0013	0
NM_015681	B9D1	0	0.374829622898682	1	2.00E-04	NA	NA	0.0013	0
NM_016086	STYXL1	0.0699681962744207	0.444797819173103	1	2.00E-04	NA	NA	0.0013	0
NM_012284	KCNH3	0	0.375283961835529	1	0.002	NA	NA	0.0087	3.00E-04
NM_001282351	FBXL19	0	0.375283961835529	1	2.00E-04	NA	NA	0.0013	0
NM_207391	RGS9BP	0	0.375283961835529	1	2.00E-04	NA	NA	0.0013	0
NM_024501	HOXD1	0	0.375283961835529	1	2.00E-04	NA	NA	0.0013	0
NM_001100875	MARCH10	0	0.375283961835529	1	2.00E-04	NA	NA	0.0013	0
NM_017409	HOXC10	0	0.375738300772376	1	2.00E-04	NA	NA	0.0013	0
NM_006769	LMO4	0.0104497955474784	0.386642435256701	1	2.00E-04	NA	NA	0.0013	0
NR_038979	LOC100506207	0	0.376192639709223	1	2.00E-04	NA	NA	0.0013	0
NR_038980	LOC100506207	0	0.376192639709223	1	2.00E-04	NA	NA	0.0013	0
NM_032557	USP38	0	0.377101317582917	1	2.00E-04	NA	NA	0.0013	0
NR_031687	MIR5481	0	0.377101317582917	1	2.00E-04	NA	NA	0.0013	0
NM_001199382	RNF145	0	0.377101317582917	1	2.00E-04	NA	NA	0.0013	0
NM_172242	SPAG6	0	0.377555656519764	1	2.00E-04	NA	NA	0.0013	0
NM_001253855	SPAG6	0	0.377555656519764	1	2.00E-04	NA	NA	0.0013	0
NM_001253854	SPAG6	0	0.377555656519764	1	2.00E-04	NA	NA	0.0013	0
NM_012443	SPAG6	0	0.377555656519764	1	2.00E-04	NA	NA	0.0013	0
NR_038991	RBM26-AS1	0	0.377555656519764	1	2.00E-04	NA	NA	0.0013	0
NM_007080	LSM6	0	0.377555656519764	1	2.00E-04	NA	NA	0.0013	0
NM_015062	PPRC1	0	0.378009995456611	1	2.00E-04	NA	NA	0.0013	0
NM_004865	TBPL1	0	0.378009995456611	1	2.00E-04	NA	NA	0.0013	0
NM_198082	CCDC57	0	0.378464334393458	1	2.00E-04	NA	NA	0.0013	0
NM_001142552	DCHS2	0	0.378464334393458	1	2.00E-04	NA	NA	0.0013	0
NM_001142553	DCHS2	0	0.378464334393458	1	2.00E-04	NA	NA	0.0013	0
NR_024120	DBIL5P	0	0.378918673330304	1	2.00E-04	NA	NA	0.0013	0
NM_030919	FAM83D	0	0.379373012267151	1	2.00E-04	NA	NA	0.0013	0
NM_012281	KCND2	0	0.379373012267151	1	2.00E-04	NA	NA	0.0013	0



NM_005022	PFN1	0	0.379373012267151	1	2.00E-04	NA	NA	0.0013	0
NM_173344	ST3GAL1	0	0.379373012267151	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_003033	ST3GAL1	0	0.379373012267151	1	6.00E-04	NA	NA	0.0039	1.00E-04
NR_038361	RSBN1L-AS1	0	0.379827351203998	1	2.00E-04	NA	NA	0.0013	0
NM_004281	BAG3	0	0.380281690140845	1	2.00E-04	NA	NA	0.0013	0
NM_207645	C11orf87	0	0.380281690140845	1	2.00E-04	NA	NA	0.0013	0
NM_004753	DHRS3	0	0.380281690140845	1	2.00E-04	NA	NA	0.0013	0
NM_002205	ITGA5	0	0.380281690140845	1	2.00E-04	NA	NA	0.0013	0
NM_001164738	CALCR	0	0.380281690140845	1	2.00E-04	NA	NA	0.0013	0
NM_182770	CREM	0	0.380736029077692	1	2.00E-04	NA	NA	0.0013	0
NM_182769	CREM	0	0.380736029077692	1	2.00E-04	NA	NA	0.0013	0
NM_001267567	CREM	0	0.380736029077692	1	2.00E-04	NA	NA	0.0013	0
NM_001267566	CREM	0	0.380736029077692	1	2.00E-04	NA	NA	0.0013	0
NR_102709	UCHL1-AS1	0	0.380736029077692	1	2.00E-04	NA	NA	0.0013	0
NM_144596	TTC8	0	0.381190368014539	1	2.00E-04	NA	NA	0.0013	0
NM_198309	TTC8	0	0.381190368014539	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_198310	TTC8	0	0.381190368014539	1	2.00E-04	NA	NA	0.0013	0
NR_038341	STK4-AS1	0	0.381190368014539	1	2.00E-04	NA	NA	0.0013	0
NM_001276277	PPIP5K2	0	0.381644706951386	1	2.00E-04	NA	NA	0.0013	0
NM_001281471	PPIP5K2	0	0.381644706951386	1	2.00E-04	NA	NA	0.0013	0
NM_014376	CYFIP2	0	0.381644706951386	1	2.00E-04	NA	NA	0.0013	0
NM_000157	GBA	0	0.381644706951386	1	2.00E-04	NA	NA	0.0013	0
NM_001171812	GBA	0	0.381644706951386	1	2.00E-04	NA	NA	0.0013	0
NM_017865	ZNF692	0	0.381644706951386	1	2.00E-04	NA	NA	0.0013	0
NM_001193328	ZNF692	0	0.381644706951386	1	2.00E-04	NA	NA	0.0013	0
NM_001136036	ZNF692	0	0.381644706951386	1	2.00E-04	NA	NA	0.0013	0
NM_001256088	C11orf45	0	0.381644706951386	1	2.00E-04	NA	NA	0.0013	0
NR_045767	C11orf45	0	0.381644706951386	1	2.00E-04	NA	NA	0.0013	0
NM_001048265	C9orf116	0	0.381644706951386	1	0.0116	NA	NA	0.0652	0.0017
NM_144654	C9orf116	0	0.381644706951386	1	0.0096	NA	NA	0.0539	0.0014
NM_007178	STRAP	0	0.382099045888233	1	2.00E-04	NA	NA	0.0013	0
NM_031212	SLC25A28	0	0.382099045888233	1	2.00E-04	NA	NA	0.0013	0
NM_007111	TFDP1	0	0.38255338482508	1	2.00E-04	NA	NA	0.0013	0
NR_027766	NUDT16P1	0	0.38255338482508	1	2.00E-04	NA	NA	0.0013	0
NR_002949	NUDT16P1	0	0.38255338482508	1	2.00E-04	NA	NA	0.0013	0
NM_024422	DSC2	0	0.38255338482508	1	2.00E-04	NA	NA	0.0013	0
NM_004949	DSC2	0	0.38255338482508	1	2.00E-04	NA	NA	0.0013	0
NM_001280794	EPHB6	0	0.383007723761926	1	2.00E-04	NA	NA	0.0013	0
NM_001037333	CYFIP2	0	0.383462062698773	1	2.00E-04	NA	NA	0.0013	0
NM_147185	AKAP9	0	0.383462062698773	1	2.00E-04	NA	NA	0.0013	0
NM_005751	AKAP9	0	0.383462062698773	1	2.00E-04	NA	NA	0.0013	0
NM_016180	SLC45A2	0.182189913675602	0.566106315311222	1	2.00E-04	NA	NA	0.0013	0
NM_001012509	SLC45A2	0.182189913675602	0.566106315311222	1	2.00E-04	NA	NA	0.0013	0
NM_025128	MUS81	0	0.38391640163562	1	2.00E-04	NA	NA	0.0013	0

NM_198268	<i>HIPK1</i>	0	0.384370740572467	1	2.00E-04	NA	NA	0.0013	0
NM_152696	<i>HIPK1</i>	0	0.384370740572467	0.9994	0.0012	NA	NA	0.0087	2.00E-04
NR_037425	<i>MIR3652</i>	0	0.384370740572467	1	2.00E-04	NA	NA	0.0013	0
NM_001160367	<i>CDK10</i>	0	0.384370740572467	1	2.00E-04	NA	NA	0.0013	0
NM_001098533	<i>CDK10</i>	0	0.384370740572467	1	2.00E-04	NA	NA	0.0013	0
NR_027703	<i>CDK10</i>	0	0.384370740572467	1	2.00E-04	NA	NA	0.0013	0
NM_052987	<i>CDK10</i>	0	0.384370740572467	1	2.00E-04	NA	NA	0.0013	0
NR_027702	<i>CDK10</i>	0	0.384370740572467	1	2.00E-04	NA	NA	0.0013	0
NM_052988	<i>CDK10</i>	0	0.384370740572467	1	2.00E-04	NA	NA	0.0013	0
NM_005680	<i>TAF1B</i>	0	0.384370740572467	1	2.00E-04	NA	NA	0.0013	0
NM_001277140	<i>ACTR3</i>	0	0.384370740572467	1	2.00E-04	NA	NA	0.0013	0
NM_206963	<i>RARRES1</i>	0	0.384370740572467	1	2.00E-04	NA	NA	0.0013	0
NM_002888	<i>RARRES1</i>	0	0.384370740572467	1	2.00E-04	NA	NA	0.0013	0
NM_018233	<i>OGFOD1</i>	0	0.384825079509314	1	2.00E-04	NA	NA	0.0013	0
NM_144723	<i>ZMAT2</i>	0	0.384825079509314	1	2.00E-04	NA	NA	0.0013	0
NM_001202546	<i>CUX1</i>	0	0.384825079509314	1	2.00E-04	NA	NA	0.0013	0
NM_018164	<i>ASUN</i>	0	0.384825079509314	1	2.00E-04	NA	NA	0.0013	0
NM_001099784	<i>FBXL19</i>	0	0.385279418446161	1	2.00E-04	NA	NA	0.0013	0
NM_018451	<i>CENPJ</i>	0	0.385279418446161	1	2.00E-04	NA	NA	0.0013	0
NR_047595	<i>CENPJ</i>	0	0.385279418446161	1	2.00E-04	NA	NA	0.0013	0
NR_047594	<i>CENPJ</i>	0	0.385279418446161	1	2.00E-04	NA	NA	0.0013	0
NM_001243342	<i>CCDC40</i>	0	0.385733757383008	1	2.00E-04	NA	NA	0.0013	0
NM_017950	<i>CCDC40</i>	0	0.385733757383008	1	2.00E-04	NA	NA	0.0013	0
NM_016202	<i>ZNF580</i>	0	0.385733757383008	1	2.00E-04	NA	NA	0.0013	0
NM_015922	<i>NSDHL</i>	0	0.385733757383008	1	2.00E-04	NA	NA	0.0013	0
NM_001129765	<i>NSDHL</i>	0	0.385733757383008	1	2.00E-04	NA	NA	0.0013	0
NM_020922	<i>WNK3</i>	0	0.385733757383008	1	2.00E-04	NA	NA	0.0013	0
NM_001002838	<i>WNK3</i>	0	0.385733757383008	1	2.00E-04	NA	NA	0.0013	0
NM_001282972	<i>37500</i>	0	0.386188096319855	1	2.00E-04	NA	NA	0.0013	0
NM_001008492	<i>37500</i>	0	0.386188096319855	1	2.00E-04	NA	NA	0.0013	0
NM_001282973	<i>37500</i>	0	0.386188096319855	1	2.00E-04	NA	NA	0.0013	0
NM_004404	<i>37500</i>	0	0.386188096319855	1	2.00E-04	NA	NA	0.0013	0
NM_001178117	<i>MINPP1</i>	0	0.386642435256701	1	2.00E-04	NA	NA	0.0013	0
NM_004897	<i>MINPP1</i>	0	0.386642435256701	1	2.00E-04	NA	NA	0.0013	0
NM_001130067	<i>TRIM2</i>	0	0.386642435256701	1	2.00E-04	NA	NA	0.0013	0
NM_001077395	<i>DPH5</i>	0	0.386642435256701	1	2.00E-04	NA	NA	0.0013	0
NM_001077394	<i>DPH5</i>	0	0.386642435256701	1	2.00E-04	NA	NA	0.0013	0
NM_015958	<i>DPH5</i>	0	0.386642435256701	1	2.00E-04	NA	NA	0.0013	0
NM_033449	<i>FCHSD1</i>	0	0.386642435256701	1	2.00E-04	NA	NA	0.0013	0
NM_133338	<i>RAD17</i>	0	0.387096774193548	1	2.00E-04	NA	NA	0.0013	0
NM_133344	<i>RAD17</i>	0	0.387096774193548	1	2.00E-04	NA	NA	0.0013	0
NM_005986	<i>SOX1</i>	0	0.387551113130395	1	2.00E-04	NA	NA	0.0013	0
NM_001267828	<i>ZNF839</i>	0	0.387551113130395	1	2.00E-04	NA	NA	0.0013	0
NM_007176	<i>C14orf1</i>	0	0.387551113130395	1	2.00E-04	NA	NA	0.0013	0

NM_021038	MBNL1	0	0.388459791004089	1	2.00E-04	NA	NA	0.0013	0
NM_207292	MBNL1	0	0.388459791004089	1	2.00E-04	NA	NA	0.0013	0
NM_001128620	PAK1	0	0.388459791004089	1	2.00E-04	NA	NA	0.0013	0
NM_002576	PAK1	0	0.388459791004089	1	2.00E-04	NA	NA	0.0013	0
NR_037654	MTHFS	0	0.388459791004089	1	2.00E-04	NA	NA	0.0013	0
NM_005869	CWC27	0	0.388914129940936	1	2.00E-04	NA	NA	0.0013	0
NM_006891	CRYGD	0	0.388914129940936	1	2.00E-04	NA	NA	0.0013	0
NM_175625	RAB3IP	0	0.389368468877783	1	2.00E-04	NA	NA	0.0013	0
NM_175623	RAB3IP	0	0.389368468877783	1	2.00E-04	NA	NA	0.0013	0
NR_103520	RAB3IP	0	0.389368468877783	1	2.00E-04	NA	NA	0.0013	0
NM_001015508	PURG	0	0.389368468877783	1	2.00E-04	NA	NA	0.0013	0
NM_134268	CYGB	0	0.38982280781463	1	2.00E-04	NA	NA	0.0013	0
NM_015602	TOR1AIP1	0	0.390277146751477	1	2.00E-04	NA	NA	0.0013	0
NM_001267578	TOR1AIP1	0	0.390277146751477	1	2.00E-04	NA	NA	0.0013	0
NM_001282729	SUPT7L	0	0.390277146751477	1	2.00E-04	NA	NA	0.0013	0
NM_001282730	SUPT7L	0	0.390277146751477	1	2.00E-04	NA	NA	0.0013	0
NM_001282731	SUPT7L	0	0.390277146751477	1	2.00E-04	NA	NA	0.0013	0
NM_001282732	SUPT7L	0	0.390277146751477	1	2.00E-04	NA	NA	0.0013	0
NM_014860	SUPT7L	0	0.390277146751477	1	2.00E-04	NA	NA	0.0013	0
NM_178554	KY	0	0.390277146751477	1	2.00E-04	NA	NA	0.0013	0
NM_001128164	ATXN1	0	0.390277146751477	1	2.00E-04	NA	NA	0.0013	0
NM_000332	ATXN1	0	0.390277146751477	1	2.00E-04	NA	NA	0.0013	0
NM_003214	TEAD3	0	0.390277146751477	1	2.00E-04	NA	NA	0.0013	0
NM_015868	KIR2DL3	0	0.390731485688323	1	2.00E-04	NA	NA	0.0013	0
NM_005721	ACTR3	0	0.390731485688323	1	2.00E-04	NA	NA	0.0013	0
NR_102318	ACTR3	0	0.390731485688323	1	2.00E-04	NA	NA	0.0013	0
NM_001178134	CXCL12	0	0.39118582462517	1	2.00E-04	NA	NA	0.0013	0
NM_000609	CXCL12	0	0.39118582462517	1	2.00E-04	NA	NA	0.0013	0
NM_199168	CXCL12	0	0.39118582462517	1	2.00E-04	NA	NA	0.0013	0
NM_001033886	CXCL12	0	0.39118582462517	1	2.00E-04	NA	NA	0.0013	0
NM_001277990	CXCL12	0	0.39118582462517	1	2.00E-04	NA	NA	0.0013	0
NM_001962	EFNA5	0	0.39118582462517	1	2.00E-04	NA	NA	0.0013	0
NR_028492	CFL1P1	0	0.391640163562017	1	2.00E-04	NA	NA	0.0013	0
NM_002180	IGHMBP2	0	0.391640163562017	1	2.00E-04	NA	NA	0.0013	0
NM_001282795	ZNF7	0	0.391640163562017	1	2.00E-04	NA	NA	0.0013	0
NM_001282797	ZNF7	0	0.391640163562017	1	2.00E-04	NA	NA	0.0013	0
NM_003416	ZNF7	0	0.391640163562017	1	2.00E-04	NA	NA	0.0013	0
NM_001282796	ZNF7	0	0.391640163562017	1	2.00E-04	NA	NA	0.0013	0
NR_038866	BSN-AS2	0	0.391640163562017	0.969	0.028	NA	NA	0.1978	0.004
NM_016315	GULP1	0	0.392094502498864	1	2.00E-04	NA	NA	0.0013	0
NM_001252669	GULP1	0	0.392094502498864	1	2.00E-04	NA	NA	0.0013	0
NM_001252668	GULP1	0	0.392094502498864	1	2.00E-04	NA	NA	0.0013	0
NM_194455	KRIT1	0	0.392094502498864	1	2.00E-04	NA	NA	0.0013	0
NM_194454	KRIT1	0	0.392094502498864	1	2.00E-04	NA	NA	0.0013	0

NM_194456	KRIT1	0	0.392094502498864	1	2.00E-04	NA	NA	0.0013	0
NM_004912	KRIT1	0	0.392094502498864	1	2.00E-04	NA	NA	0.0013	0
NM_001013406	KRIT1	0	0.392094502498864	1	2.00E-04	NA	NA	0.0013	0
NM_001765	CD1C	0	0.392548841435711	1	2.00E-04	NA	NA	0.0013	0
NM_001197319	CLEC2D	0	0.392548841435711	1	2.00E-04	NA	NA	0.0013	0
NM_001197318	CLEC2D	0	0.392548841435711	1	2.00E-04	NA	NA	0.0013	0
NM_001197317	CLEC2D	0	0.392548841435711	1	2.00E-04	NA	NA	0.0013	0
NR_036693	CLEC2D	0	0.392548841435711	1	2.00E-04	NA	NA	0.0013	0
NM_013269	CLEC2D	0	0.392548841435711	1	2.00E-04	NA	NA	0.0013	0
NM_001004419	CLEC2D	0	0.392548841435711	1	2.00E-04	NA	NA	0.0013	0
NM_003941	WASL	0	0.392548841435711	1	2.00E-04	NA	NA	0.0013	0
NM_005614	RHEB	0	0.392548841435711	1	2.00E-04	NA	NA	0.0013	0
NM_005372	MOS	0	0.392548841435711	1	2.00E-04	NA	NA	0.0013	0
NM_001048212	CEMP1	0	0.393003180372558	1	2.00E-04	NA	NA	0.0013	0
NR_046106	NOL8	0	0.393003180372558	1	2.00E-04	NA	NA	0.0013	0
NM_001256394	NOL8	0	0.393003180372558	1	2.00E-04	NA	NA	0.0013	0
NM_017948	NOL8	0	0.393003180372558	1	2.00E-04	NA	NA	0.0013	0
NM_198498	C11orf53	0	0.393457519309405	1	2.00E-04	NA	NA	0.0013	0
NM_018131	CEP55	0	0.393911858246252	1	2.00E-04	NA	NA	0.0013	0
NM_025045	BAIAP2L2	0	0.393911858246252	1	2.00E-04	NA	NA	0.0013	0
NM_001193493	SLC1A4	0	0.394366197183099	1	2.00E-04	NA	NA	0.0013	0
NM_170740	ALDH5A1	0	0.394366197183099	1	2.00E-04	NA	NA	0.0013	0
NM_001080	ALDH5A1	0	0.394366197183099	1	2.00E-04	NA	NA	0.0013	0
NM_001185076	FMR1	0	0.394366197183099	1	2.00E-04	NA	NA	0.0013	0
NR_033700	FMR1	0	0.394366197183099	1	2.00E-04	NA	NA	0.0013	0
NM_001185082	FMR1	0	0.394366197183099	1	2.00E-04	NA	NA	0.0013	0
NM_001185075	FMR1	0	0.394366197183099	1	2.00E-04	NA	NA	0.0013	0
NM_001185081	FMR1	0	0.394366197183099	1	2.00E-04	NA	NA	0.0013	0
NM_002024	FMR1	0	0.394366197183099	1	2.00E-04	NA	NA	0.0013	0
NR_033699	FMR1	0	0.394366197183099	1	2.00E-04	NA	NA	0.0013	0
NM_032014	MRPS24	0	0.394366197183099	1	2.00E-04	NA	NA	0.0013	0
NM_001098205	HNRNPF	0.102680599727397	0.497501135847342	1	2.00E-04	NA	NA	0.0013	0
NR_103812	INTS6-AS1	0	0.394820536119945	1	2.00E-04	NA	NA	0.0013	0
NM_182644	EPHA3	0	0.394820536119945	1	2.00E-04	NA	NA	0.0013	0
NM_005233	EPHA3	0	0.394820536119945	1	2.00E-04	NA	NA	0.0013	0
NM_031480	RIOK1	0	0.394820536119945	1	2.00E-04	NA	NA	0.0013	0
NM_013959	NRG1	0	0.394820536119945	1	2.00E-04	NA	NA	0.0013	0
NM_001003845	SP5	0	0.395274875056792	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_020750	XPO5	0	0.395274875056792	1	2.00E-04	NA	NA	0.0013	0
NM_000139	MS4A2	0	0.395729213993639	1	2.00E-04	NA	NA	0.0013	0
NM_001256916	MS4A2	0	0.395729213993639	1	2.00E-04	NA	NA	0.0013	0
NR_104027	SMARCA5-AS1	0	0.395729213993639	1	2.00E-04	NA	NA	0.0013	0
NM_001004058	OR8K5	0	0.396183552930486	1	2.00E-04	NA	NA	0.0013	0
NM_001281534	EPB41L3	0	0.396183552930486	1	2.00E-04	NA	NA	0.0013	0

NM_012307	EPB41L3	0	0.396183552930486	1	2.00E-04	NA	NA	0.0013	0
NM_001014809	CRMP1	0	0.396183552930486	1	2.00E-04	NA	NA	0.0013	0
NM_001134442	ZNF502	0	0.396637891867333	1	2.00E-04	NA	NA	0.0013	0
NM_001134441	ZNF502	0	0.396637891867333	1	2.00E-04	NA	NA	0.0013	0
NM_001134440	ZNF502	0	0.396637891867333	1	2.00E-04	NA	NA	0.0013	0
NM_033210	ZNF502	0	0.396637891867333	1	2.00E-04	NA	NA	0.0013	0
NM_001282880	ZNF502	0	0.396637891867333	1	2.00E-04	NA	NA	0.0013	0
NM_201613	IKBIP	0	0.396637891867333	1	2.00E-04	NA	NA	0.0013	0
NM_201612	IKBIP	0	0.396637891867333	1	2.00E-04	NA	NA	0.0013	0
NM_153687	IKBIP	0	0.396637891867333	1	2.00E-04	NA	NA	0.0013	0
NR_027107	MGC45800	0	0.396637891867333	1	2.00E-04	NA	NA	0.0013	0
NM_133339	RAD17	0	0.39709223080418	1	2.00E-04	NA	NA	0.0013	0
NM_017984	ZCWPW1	0	0.39709223080418	1	2.00E-04	NA	NA	0.0013	0
NM_001258008	ZCWPW1	0	0.39709223080418	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_178864	NPAS4	0	0.397546569741027	1	2.00E-04	NA	NA	0.0013	0
NM_033510	DISP2	0	0.397546569741027	1	2.00E-04	NA	NA	0.0013	0
NM_001077427	LYPD1	0	0.397546569741027	1	2.00E-04	NA	NA	0.0013	0
NM_001020825	NR3C1	0	0.397546569741027	1	2.00E-04	NA	NA	0.0013	0
NM_001204259	NR3C1	0	0.397546569741027	1	2.00E-04	NA	NA	0.0013	0
NM_001204258	NR3C1	0	0.397546569741027	1	2.00E-04	NA	NA	0.0013	0
NM_001204265	NR3C1	0	0.397546569741027	1	2.00E-04	NA	NA	0.0013	0
NM_001204264	NR3C1	0	0.397546569741027	1	2.00E-04	NA	NA	0.0013	0
NM_001204263	NR3C1	0	0.397546569741027	1	2.00E-04	NA	NA	0.0013	0
NM_001204262	NR3C1	0	0.397546569741027	1	2.00E-04	NA	NA	0.0013	0
NM_001024094	NR3C1	0	0.397546569741027	1	2.00E-04	NA	NA	0.0013	0
NM_001204261	NR3C1	0	0.397546569741027	1	2.00E-04	NA	NA	0.0013	0
NM_001204260	NR3C1	0	0.397546569741027	1	2.00E-04	NA	NA	0.0013	0
NM_000176	NR3C1	0	0.397546569741027	1	2.00E-04	NA	NA	0.0013	0
NM_001525	HCRTR1	0	0.398000908677874	1	2.00E-04	NA	NA	0.0013	0
NM_004763	ITGB1BP1	0	0.398000908677874	1	2.00E-04	NA	NA	0.0013	0
NM_022334	ITGB1BP1	0	0.398000908677874	1	2.00E-04	NA	NA	0.0013	0
NR_034172	KANSL1-AS1	0	0.398455247614721	1	2.00E-04	NA	NA	0.0013	0
NM_001086	AADAC	0	0.398455247614721	1	2.00E-04	NA	NA	0.0013	0
NM_001017405	MAEA	0	0.398455247614721	1	2.00E-04	NA	NA	0.0013	0
NM_005882	MAEA	0	0.398455247614721	1	2.00E-04	NA	NA	0.0013	0
NM_001134659	PRR23A	0	0.398455247614721	1	2.00E-04	NA	NA	0.0013	0
NM_001128303	LACC1	0	0.398909586551567	1	2.00E-04	NA	NA	0.0013	0
NM_001282332	TSEN34	0	0.398909586551567	1	2.00E-04	NA	NA	0.0013	0
NR_027790	LINC00478	0	0.398909586551567	1	2.00E-04	NA	NA	0.0013	0
NM_152316	ARL14EP	0	0.399363925488414	1	2.00E-04	NA	NA	0.0013	0
NM_001134473	GSE1	0	0.399363925488414	1	2.00E-04	NA	NA	0.0013	0
NM_006783	GJB6	0	0.399363925488414	1	2.00E-04	NA	NA	0.0013	0
NM_031854	KRTAP4-12	0	0.399363925488414	1	2.00E-04	NA	NA	0.0013	0
NM_000233	LHCGR	0	0.399363925488414	1	2.00E-04	NA	NA	0.0013	0

NR_037897	SAP30L-AS1	0	0.399363925488414	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_002849	PTPRR	0	0.399818264425261	1	2.00E-04	NA	NA	0.0013	0
NM_001797	CDH11	0	0.399818264425261	1	2.00E-04	NA	NA	0.0013	0
NM_018256	WDR12	0	0.399818264425261	1	2.00E-04	NA	NA	0.0013	0
NM_003325	HIRA	0	0.399818264425261	1	2.00E-04	NA	NA	0.0013	0
NM_001278245	ZFAND5	0	0.399818264425261	1	2.00E-04	NA	NA	0.0013	0
NM_001278244	ZFAND5	0	0.399818264425261	1	2.00E-04	NA	NA	0.0013	0
NM_001278243	ZFAND5	0	0.399818264425261	1	2.00E-04	NA	NA	0.0013	0
NM_007107	SSR3	0.072694229895502	0.47296683325761	1	2.00E-04	NA	NA	0.0013	0
NR_002144	LOC407835	0	0.400272603362108	1	2.00E-04	NA	NA	0.0013	0
NM_001824	CKM	0	0.400272603362108	1	2.00E-04	NA	NA	0.0013	0
NM_015642	ZBTB20	0	0.400272603362108	1	2.00E-04	NA	NA	0.0013	0
NM_006762	LAPTM5	0	0.400726942298955	1	2.00E-04	NA	NA	0.0013	0
NM_033387	FAM78A	0	0.400726942298955	1	0.0108	NA	NA	0.0652	0.0016
NM_030579	CYB5B	0	0.401181281235802	1	2.00E-04	NA	NA	0.0013	0
NM_024704	KIF16B	0	0.401181281235802	1	2.00E-04	NA	NA	0.0013	0
NM_001199866	KIF16B	0	0.401181281235802	1	2.00E-04	NA	NA	0.0013	0
NM_001199865	KIF16B	0	0.401181281235802	1	2.00E-04	NA	NA	0.0013	0
NM_025204	TRABD	0	0.401635620172649	1	2.00E-04	NA	NA	0.0013	0
NM_001164586	IGFN1	0	0.402089959109496	1	2.00E-04	NA	NA	0.0013	0
NM_175911	OR2L13	0	0.402089959109496	1	2.00E-04	NA	NA	0.0013	0
NM_001242354	ODF2	0	0.402544298046343	1	2.00E-04	NA	NA	0.0013	0
NM_153439	ODF2	0	0.402544298046343	1	2.00E-04	NA	NA	0.0013	0
NM_153435	ODF2	0	0.402544298046343	1	2.00E-04	NA	NA	0.0013	0
NM_153432	ODF2	0	0.402544298046343	1	2.00E-04	NA	NA	0.0013	0
NM_002540	ODF2	0	0.402544298046343	1	2.00E-04	NA	NA	0.0013	0
NM_001242353	ODF2	0	0.402544298046343	1	2.00E-04	NA	NA	0.0013	0
NM_001242352	ODF2	0	0.402544298046343	1	2.00E-04	NA	NA	0.0013	0
NM_001127182	CEP55	0	0.402998636983189	1	2.00E-04	NA	NA	0.0013	0
NM_016587	CBX3	0	0.402998636983189	1	2.00E-04	NA	NA	0.0013	0
NR_030366	MIR636	0	0.402998636983189	1	2.00E-04	NA	NA	0.0013	0
NR_002981	SNORA51	0	0.403452975920036	1	2.00E-04	NA	NA	0.0013	0
NM_001135244	TCOF1	0	0.403907314856883	1	2.00E-04	NA	NA	0.0013	0
NM_001135245	TCOF1	0	0.403907314856883	1	2.00E-04	NA	NA	0.0013	0
NM_000356	TCOF1	0	0.403907314856883	1	2.00E-04	NA	NA	0.0013	0
NM_001195141	TCOF1	0	0.403907314856883	1	2.00E-04	NA	NA	0.0013	0
NM_001135243	TCOF1	0	0.403907314856883	1	2.00E-04	NA	NA	0.0013	0
NM_001008657	TCOF1	0	0.403907314856883	1	2.00E-04	NA	NA	0.0013	0
NM_001145845	ROBO1	0	0.40436165379373	1	2.00E-04	NA	NA	0.0013	0
NM_133631	ROBO1	0	0.40436165379373	1	2.00E-04	NA	NA	0.0013	0
NM_003374	VDAC1	0	0.40436165379373	1	2.00E-04	NA	NA	0.0013	0
NM_000642	AGL	0	0.404815992730577	1	2.00E-04	NA	NA	0.0013	0
NM_018212	ENAH	0	0.404815992730577	1	2.00E-04	NA	NA	0.0013	0
NM_001008493	ENAH	0	0.404815992730577	1	2.00E-04	NA	NA	0.0013	0

NM_138318	KCNK10	0	0.404815992730577	1	2.00E-04	NA	NA	0.0013	0
NM_181866	ACOT7	0	0.405270331667424	1	2.00E-04	NA	NA	0.0013	0
NM_181535	KRT28	0.0072694229895502	0.412994093593821	1	2.00E-04	NA	NA	0.0013	0
NM_017924	C14orf119	0	0.405724670604271	1	2.00E-04	NA	NA	0.0013	0
NM_183372	NBPF11	0	0.405724670604271	1	2.00E-04	NA	NA	0.0013	0
NR_046188	NBPF24	0	0.405724670604271	1	2.00E-04	NA	NA	0.0013	0
NM_133262	ATP6V1G3	0	0.405724670604271	1	2.00E-04	NA	NA	0.0013	0
NM_133326	ATP6V1G3	0	0.405724670604271	1	2.00E-04	NA	NA	0.0013	0
NM_021973	HAND2	0	0.405724670604271	1	2.00E-04	NA	NA	0.0013	0
NM_001252296	CEBPG	0	0.406179009541118	1	2.00E-04	NA	NA	0.0013	0
NM_018434	RNF130	0	0.406179009541118	1	2.00E-04	NA	NA	0.0013	0
NM_001280801	RNF130	0	0.406179009541118	1	2.00E-04	NA	NA	0.0013	0
NM_001256113	TDRP	0	0.406179009541118	1	2.00E-04	NA	NA	0.0013	0
NR_026580	TFDP1	0	0.406633348477965	1	2.00E-04	NA	NA	0.0013	0
NM_080677	DYNLL2	0	0.406633348477965	1	2.00E-04	NA	NA	0.0013	0
NM_002357	MXD1	0	0.406633348477965	1	2.00E-04	NA	NA	0.0013	0
NM_001202514	MXD1	0	0.406633348477965	1	2.00E-04	NA	NA	0.0013	0
NM_001202513	MXD1	0	0.406633348477965	1	2.00E-04	NA	NA	0.0013	0
NM_001161819	MYO1B	0	0.406633348477965	1	2.00E-04	NA	NA	0.0013	0
NM_001003700	RREB1	0	0.406633348477965	1	2.00E-04	NA	NA	0.0013	0
NM_001003699	RREB1	0	0.406633348477965	1	2.00E-04	NA	NA	0.0013	0
NM_001003698	RREB1	0	0.406633348477965	1	2.00E-04	NA	NA	0.0013	0
NM_000325	PITX2	0	0.406633348477965	1	2.00E-04	NA	NA	0.0013	0
NM_004214	FIBP	0	0.407087687414811	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_198897	FIBP	0	0.407087687414811	0.9998	2.00E-04	NA	NA	0.0013	0
NM_058195	CDKN2A	0	0.407087687414811	1	2.00E-04	NA	NA	0.0013	0
NR_026715	RPL13AP6	0.0208995910949568	0.428441617446615	1	2.00E-04	NA	NA	0.0013	0
NM_133340	RAD17	0	0.407996365288505	1	2.00E-04	NA	NA	0.0013	0
NM_133341	RAD17	0	0.407996365288505	1	2.00E-04	NA	NA	0.0013	0
NM_002873	RAD17	0	0.407996365288505	1	2.00E-04	NA	NA	0.0013	0
NM_173584	EFCAB4A	0	0.408450704225352	1	2.00E-04	NA	NA	0.0013	0
NM_172250	MMAA	0	0.408450704225352	0.9998	4.00E-04	NA	NA	0.0029	1.00E-04
NM_003187	TAF9	0	0.408450704225352	1	2.00E-04	NA	NA	0.0013	0
NM_016283	AK6	0	0.408450704225352	1	2.00E-04	NA	NA	0.0013	0
NM_001171197	ELAVL2	0	0.408905043162199	1	2.00E-04	NA	NA	0.0013	0
NM_138773	SLC25A46	0	0.409813721035893	1	2.00E-04	NA	NA	0.0013	0
NM_001565	CXCL10	0.135847342117219	0.545661063153112	1	2.00E-04	NA	NA	0.0013	0
NM_152432	ARHGAP42	0	0.41026805997274	1	2.00E-04	NA	NA	0.0013	0
NM_006441	MTHFS	0	0.410722398909587	1	2.00E-04	NA	NA	0.0013	0
NM_016358	IRX4	0	0.410722398909587	1	8.00E-04	NA	NA	0.0045	1.00E-04
NM_001270530	RNF111	0	0.411176737846433	1	2.00E-04	NA	NA	0.0013	0
NM_004286	GTPBP1	0	0.411176737846433	1	2.00E-04	NA	NA	0.0013	0
NM_178123	SESTD1	0	0.411176737846433	1	2.00E-04	NA	NA	0.0013	0
NM_003517	HIST2H2AC	0	0.41163107678328	1	2.00E-04	NA	NA	0.0013	0

NM_025228	TRAF3IP3	0	0.41163107678328	1	2.00E-04	NA	NA	0.0013	0
NM_002894	RBBP8	0	0.41163107678328	1	2.00E-04	NA	NA	0.0013	0
NM_203291	RBBP8	0	0.41163107678328	1	2.00E-04	NA	NA	0.0013	0
NM_203292	RBBP8	0	0.41163107678328	1	2.00E-04	NA	NA	0.0013	0
NR_039895	MIR4741	0	0.41163107678328	1	2.00E-04	NA	NA	0.0013	0
NR_024388	NCBP2-AS2	0	0.41163107678328	1	2.00E-04	NA	NA	0.0013	0
NM_148919	PSMB8	0	0.41163107678328	1	2.00E-04	NA	NA	0.0013	0
NM_183234	RAB27A	0.127669241253975	0.539300318037256	1	2.00E-04	NA	NA	0.0013	0
NM_020247	ADCK3	0	0.412085415720127	1	2.00E-04	NA	NA	0.0013	0
NM_001170791	RMDN2	0	0.412085415720127	1	2.00E-04	NA	NA	0.0013	0
NM_001007169	ZNF483	0	0.412539754656974	1	2.00E-04	NA	NA	0.0013	0
NM_133464	ZNF483	0	0.412539754656974	1	2.00E-04	NA	NA	0.0013	0
NM_020732	ARID1B	0	0.412994093593821	1	2.00E-04	NA	NA	0.0013	0
NM_017519	ARID1B	0	0.412994093593821	1	2.00E-04	NA	NA	0.0013	0
NM_145754	KIFC2	0	0.413448432530668	1	2.00E-04	NA	NA	0.0013	0
NM_005336	HDLBP	0	0.413448432530668	1	2.00E-04	NA	NA	0.0013	0
NM_199050	C2CD2	0	0.413448432530668	1	2.00E-04	NA	NA	0.0013	0
NM_001145520	RAI14	0	0.413902771467515	1	2.00E-04	NA	NA	0.0013	0
NR_001297	PCDHGB8P	0	0.413902771467515	1	2.00E-04	NA	NA	0.0013	0
NM_001200032	HYAL3	0	0.413902771467515	1	2.00E-04	NA	NA	0.0013	0
NM_001200030	HYAL3	0	0.413902771467515	1	2.00E-04	NA	NA	0.0013	0
NM_001200031	HYAL3	0	0.413902771467515	1	2.00E-04	NA	NA	0.0013	0
NM_003549	HYAL3	0	0.413902771467515	1	2.00E-04	NA	NA	0.0013	0
NM_138496	CYHR1	0	0.414357110404362	1	2.00E-04	NA	NA	0.0013	0
NM_003133	SRP9	0	0.415265788278055	1	2.00E-04	NA	NA	0.0013	0
NM_001130440	SRP9	0	0.415265788278055	1	2.00E-04	NA	NA	0.0013	0
NM_004450	ERH	0	0.415265788278055	1	2.00E-04	NA	NA	0.0013	0
NM_017868	TTC12	0	0.415720127214902	1	2.00E-04	NA	NA	0.0013	0
NM_024576	OGFRL1	0	0.415720127214902	1	2.00E-04	NA	NA	0.0013	0
NM_020191	MRPS22	0	0.416174466151749	1	2.00E-04	NA	NA	0.0013	0
NR_046105	MIR137HG	0	0.416628805088596	1	2.00E-04	NA	NA	0.0013	0
NR_028308	BRE-AS1	0	0.416628805088596	1	2.00E-04	NA	NA	0.0013	0
NM_006848	CCDC85B	0	0.417083144025443	0.9998	6.00E-04	NA	NA	0.0039	1.00E-04
NM_006196	PCBP1	0	0.417083144025443	1	2.00E-04	NA	NA	0.0013	0
NM_022817	PER2	0	0.417083144025443	1	2.00E-04	NA	NA	0.0013	0
NM_015478	L3MBTL1	0	0.41753748296229	1	2.00E-04	NA	NA	0.0013	0
NM_001127493	ANK2	0	0.41753748296229	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_018214	LRRC1	0	0.41753748296229	1	2.00E-04	NA	NA	0.0013	0
NM_014680	KIAA0100	0	0.41753748296229	1	2.00E-04	NA	NA	0.0013	0
NM_007192	SUPT16H	0.167196728759655	0.585188550658791	1	2.00E-04	NA	NA	0.0013	0
NM_018934	PCDHB14	0	0.417991821899137	1	2.00E-04	NA	NA	0.0013	0
NM_021632	ZNF350	0	0.417991821899137	1	2.00E-04	NA	NA	0.0013	0
NM_001006684	TCEAL8	0	0.417991821899137	1	2.00E-04	NA	NA	0.0013	0
NM_153333	TCEAL8	0	0.417991821899137	1	2.00E-04	NA	NA	0.0013	0



NM_001165973	NRG3	0	0.418900499772831	1	2.00E-04	NA	NA	0.0013	0
NM_005052	RAC3	0	0.418900499772831	1	6.00E-04	NA	NA	0.0039	1.00E-04
NM_001012763	GNRHR	0	0.418900499772831	1	2.00E-04	NA	NA	0.0013	0
NM_000406	GNRHR	0	0.418900499772831	1	2.00E-04	NA	NA	0.0013	0
NM_170734	BDNF	0	0.419354838709677	1	2.00E-04	NA	NA	0.0013	0
NM_198128	RNF138	0	0.419809177646524	1	2.00E-04	NA	NA	0.0013	0
NM_001191324	RNF138	0	0.419809177646524	1	2.00E-04	NA	NA	0.0013	0
NM_001142370	PTPN18	0	0.419809177646524	1	2.00E-04	NA	NA	0.0013	0
NM_014369	PTPN18	0	0.419809177646524	1	2.00E-04	NA	NA	0.0013	0
NM_014143	CD274	0	0.420263516583371	1	2.00E-04	NA	NA	0.0013	0
NR_052005	CD274	0	0.420263516583371	1	2.00E-04	NA	NA	0.0013	0
NM_001267706	CD274	0	0.420263516583371	1	2.00E-04	NA	NA	0.0013	0
NM_001087	AAMP	0	0.420263516583371	1	2.00E-04	NA	NA	0.0013	0
NR_046200	LOC400558	0	0.420717855520218	1	2.00E-04	NA	NA	0.0013	0
NM_021959	PPP1R11	0	0.420717855520218	1	2.00E-04	NA	NA	0.0013	0
NM_016602	CCR10	0	0.420717855520218	1	2.00E-04	NA	NA	0.0013	0
NM_006808	SEC61B	0	0.421172194457065	1	2.00E-04	NA	NA	0.0013	0
NM_012139	SERGEF	0	0.421172194457065	1	2.00E-04	NA	NA	0.0013	0
NR_104040	SERGEF	0	0.421172194457065	1	2.00E-04	NA	NA	0.0013	0
NR_104041	SERGEF	0	0.421172194457065	1	2.00E-04	NA	NA	0.0013	0
NM_002387	MCC	0	0.421172194457065	1	2.00E-04	NA	NA	0.0013	0
NM_016531	KLF3	0	0.421626533393912	1	2.00E-04	NA	NA	0.0013	0
NM_134266	SLC26A7	0	0.421626533393912	1	2.00E-04	NA	NA	0.0013	0
NM_052832	SLC26A7	0	0.421626533393912	1	2.00E-04	NA	NA	0.0013	0
NM_182541	TMEM31	0	0.422080872330759	1	2.00E-04	NA	NA	0.0013	0
NM_144770	RBM11	0	0.422535211267606	1	2.00E-04	NA	NA	0.0013	0
NR_033925	FENDRR	0	0.422535211267606	1	2.00E-04	NA	NA	0.0013	0
NR_036444	FENDRR	0	0.422535211267606	1	2.00E-04	NA	NA	0.0013	0
NM_152376	UBXN10	0	0.422989550204453	1	2.00E-04	NA	NA	0.0013	0
NM_030594	CPEB1	0	0.422989550204453	1	2.00E-04	NA	NA	0.0013	0
NM_005496	SMC4	0	0.423443889141299	1	2.00E-04	NA	NA	0.0013	0
NM_015420	DCAF13	0	0.423443889141299	1	2.00E-04	NA	NA	0.0013	0
NM_004229	MED14	0	0.423898228078146	1	2.00E-04	NA	NA	0.0013	0
NM_000110	DPYD	0	0.424352567014993	1	2.00E-04	NA	NA	0.0013	0
NM_001160301	DPYD	0	0.424352567014993	1	2.00E-04	NA	NA	0.0013	0
NM_199204	DHRS9	0	0.42480690595184	1	2.00E-04	NA	NA	0.0013	0
NM_144726	RNF145	0	0.42480690595184	1	2.00E-04	NA	NA	0.0013	0
NM_001098812	39692	0	0.425261244888687	1	2.00E-04	NA	NA	0.0013	0
NM_015146	39692	0	0.425261244888687	1	2.00E-04	NA	NA	0.0013	0
NM_001098811	39692	0	0.425261244888687	1	2.00E-04	NA	NA	0.0013	0
NM_001185077	ARHGDI A	0	0.425715583825534	1	2.00E-04	NA	NA	0.0013	0
NM_016591	GCNT4	0	0.425715583825534	1	2.00E-04	NA	NA	0.0013	0
NM_018664	BATF3	0	0.426169922762381	1	2.00E-04	NA	NA	0.0013	0
NM_000809	GABRA4	0	0.426169922762381	1	2.00E-04	NA	NA	0.0013	0

NR_038337	<i>OSER1-AS1</i>	0	0.426624261699228	1	2.00E-04	NA	NA	0.0013	0
NM_001769	<i>CD9</i>	0	0.427532939572921	1	2.00E-04	NA	NA	0.0013	0
NR_038338	<i>OSER1-AS1</i>	0	0.428441617446615	1	2.00E-04	NA	NA	0.0013	0
NM_006037	<i>HDAC4</i>	0	0.428441617446615	1	2.00E-04	NA	NA	0.0013	0
NM_000436	<i>OXCT1</i>	0	0.428895956383462	1	2.00E-04	NA	NA	0.0013	0
NR_033933	<i>GOLGA8T</i>	0	0.429350295320309	1	2.00E-04	NA	NA	0.0013	0
NM_198215	<i>FAM13C</i>	0	0.429350295320309	1	2.00E-04	NA	NA	0.0013	0
NM_001166698	<i>FAM13C</i>	0	0.429350295320309	1	2.00E-04	NA	NA	0.0013	0
NM_001001971	<i>FAM13C</i>	0	0.429350295320309	1	2.00E-04	NA	NA	0.0013	0
NM_174899	<i>FBXO36</i>	0	0.429804634257156	1	2.00E-04	NA	NA	0.0013	0
NM_025195	<i>TRIB1</i>	0	0.429804634257156	1	2.00E-04	NA	NA	0.0013	0
NM_003956	<i>CH25H</i>	0	0.429804634257156	1	2.00E-04	NA	NA	0.0013	0
NM_000640	<i>IL13RA2</i>	0	0.429804634257156	1	2.00E-04	NA	NA	0.0013	0
NM_003670	<i>BHLHE40</i>	0	0.430258973194003	1	2.00E-04	NA	NA	0.0013	0
NM_001243885	<i>TOB1</i>	0	0.430258973194003	1	2.00E-04	NA	NA	0.0013	0
NM_005749	<i>TOB1</i>	0	0.430258973194003	1	2.00E-04	NA	NA	0.0013	0
NM_002806	<i>PSMC6</i>	0	0.43071331213085	1	2.00E-04	NA	NA	0.0013	0
NR_039785	<i>MIR4642</i>	0	0.43071331213085	1	2.00E-04	NA	NA	0.0013	0
NM_004236	<i>COPS2</i>	0	0.43071331213085	1	2.00E-04	NA	NA	0.0013	0
NM_001143887	<i>COPS2</i>	0	0.43071331213085	1	2.00E-04	NA	NA	0.0013	0
NM_001003827	<i>TRIM34</i>	0	0.431167651067697	1	2.00E-04	NA	NA	0.0013	0
NM_024496	<i>IRF2BPL</i>	0	0.431167651067697	1	2.00E-04	NA	NA	0.0013	0
NM_006497	<i>HIC1</i>	0	0.43207632894139	1	0.0018	NA	NA	0.0087	3.00E-04
NM_001202545	<i>CUX1</i>	0	0.43207632894139	1	2.00E-04	NA	NA	0.0013	0
NM_001202544	<i>CUX1</i>	0	0.43207632894139	1	2.00E-04	NA	NA	0.0013	0
NM_181500	<i>CUX1</i>	0	0.43207632894139	1	2.00E-04	NA	NA	0.0013	0
NM_001913	<i>CUX1</i>	0	0.43207632894139	1	2.00E-04	NA	NA	0.0013	0
NM_001202543	<i>CUX1</i>	0	0.43207632894139	1	2.00E-04	NA	NA	0.0013	0
NM_000117	<i>EMD</i>	0	0.43207632894139	1	0.0014	NA	NA	0.0087	2.00E-04
NM_025104	<i>DBF4B</i>	0	0.432530667878237	1	2.00E-04	NA	NA	0.0013	0
NM_145663	<i>DBF4B</i>	0	0.432530667878237	1	2.00E-04	NA	NA	0.0013	0
NR_036623	<i>DBF4B</i>	0	0.432530667878237	1	2.00E-04	NA	NA	0.0013	0
NM_001122665	<i>DDX3Y</i>	0	0.432985006815084	0.9926	0.0078	NA	NA	0.0539	0.0011
NM_015596	<i>KLK13</i>	0	0.432985006815084	1	2.00E-04	NA	NA	0.0013	0
NM_022092	<i>CHTF18</i>	0	0.433439345751931	1	2.00E-04	NA	NA	0.0013	0
NM_014926	<i>SLITRK3</i>	0	0.433439345751931	1	2.00E-04	NA	NA	0.0013	0
NM_147163	<i>PSMG2</i>	0	0.433893684688778	0.9956	0.0036	NA	NA	0.0173	5.00E-04
NM_017567	<i>NAGK</i>	0	0.434802362562472	1	6.00E-04	NA	NA	0.0039	1.00E-04
NM_001128627	<i>SPIRE1</i>	0	0.434802362562472	0.9938	0.0102	NA	NA	0.0539	0.0015
NM_138782	<i>FCHO2</i>	0	0.435256701499318	1	2.00E-04	NA	NA	0.0013	0
NM_001146032	<i>FCHO2</i>	0	0.435256701499318	1	2.00E-04	NA	NA	0.0013	0
NM_138465	<i>GLI4</i>	0	0.435256701499318	1	2.00E-04	NA	NA	0.0013	0
NM_001200016	<i>NAT6</i>	0	0.435256701499318	1	2.00E-04	NA	NA	0.0013	0
NM_012191	<i>NAT6</i>	0	0.435256701499318	1	2.00E-04	NA	NA	0.0013	0

NM_003139	SRPR	0	0.436165379373012	1	2.00E-04	NA	NA	0.0013	0
NM_001177842	SRPR	0	0.436165379373012	1	2.00E-04	NA	NA	0.0013	0
NM_013304	ZDHHC1	0	0.436165379373012	1	2.00E-04	NA	NA	0.0013	0
NM_016300	ARPP21	0	0.437074057246706	1	2.00E-04	NA	NA	0.0013	0
NM_181844	BCL6B	0	0.437528396183553	1	2.00E-04	NA	NA	0.0013	0
NR_045214	LOC100507373	0	0.437528396183553	1	2.00E-04	NA	NA	0.0013	0
NM_018003	UACA	0	0.4379827351204	1	2.00E-04	NA	NA	0.0013	0
NM_005911	MAT2A	0	0.438891412994094	1	2.00E-04	NA	NA	0.0013	0
NM_001204827	XPNPEP3	0	0.43934575193094	1	2.00E-04	NA	NA	0.0013	0
NM_022098	XPNPEP3	0	0.43934575193094	1	2.00E-04	NA	NA	0.0013	0
NM_130446	KLHL6	0	0.43934575193094	1	2.00E-04	NA	NA	0.0013	0
NR_036625	VDAC1	0	0.43934575193094	1	2.00E-04	NA	NA	0.0013	0
NR_036624	VDAC1	0	0.43934575193094	1	2.00E-04	NA	NA	0.0013	0
NM_006041	HS3ST3B1	0	0.439800090867787	1	2.00E-04	NA	NA	0.0013	0
NM_032453	ZNF527	0	0.439800090867787	1	2.00E-04	NA	NA	0.0013	0
NM_194429	FGFR1OP	0	0.439800090867787	1	2.00E-04	NA	NA	0.0013	0
NM_007045	FGFR1OP	0	0.439800090867787	1	2.00E-04	NA	NA	0.0013	0
NM_001278690	FGFR1OP	0	0.439800090867787	1	2.00E-04	NA	NA	0.0013	0
NM_004592	SFSWAP	0	0.440254429804634	1	2.00E-04	NA	NA	0.0013	0
NM_001261411	SFSWAP	0	0.440254429804634	1	2.00E-04	NA	NA	0.0013	0
NM_001127598	IGF2	0	0.440254429804634	1	2.00E-04	NA	NA	0.0013	0
NM_031909	C1QTNF4	0	0.440254429804634	1	2.00E-04	NA	NA	0.0013	0
NM_015533	DAK	0	0.440708768741481	1	2.00E-04	NA	NA	0.0013	0
NR_040078	KIRREL3-AS3	0	0.440708768741481	1	2.00E-04	NA	NA	0.0013	0
NM_001256475	THEGL	0	0.440708768741481	1	2.00E-04	NA	NA	0.0013	0
NM_033261	IDI2	0	0.440708768741481	1	2.00E-04	NA	NA	0.0013	0
NM_001042559	EIF4G2	0	0.440708768741481	1	2.00E-04	NA	NA	0.0013	0
NM_001418	EIF4G2	0	0.440708768741481	1	2.00E-04	NA	NA	0.0013	0
NM_015004	EXOSC7	0	0.441163107678328	1	2.00E-04	NA	NA	0.0013	0
NR_023353	EXOSC7	0	0.441163107678328	1	2.00E-04	NA	NA	0.0013	0
NM_001161707	KIRREL3	0	0.441163107678328	1	2.00E-04	NA	NA	0.0013	0
NM_032531	KIRREL3	0	0.441163107678328	1	2.00E-04	NA	NA	0.0013	0
NM_004352	CBLN1	0	0.441163107678328	1	2.00E-04	NA	NA	0.0013	0
NM_031885	BBS2	0.0168105406633348	0.457973648341663	1	2.00E-04	NA	NA	0.0013	0
NM_019644	ANKRD7	0	0.441617446615175	1	2.00E-04	NA	NA	0.0013	0
NM_001278546	NR6A1	0	0.441617446615175	1	2.00E-04	NA	NA	0.0013	0
NM_001489	NR6A1	0	0.441617446615175	1	2.00E-04	NA	NA	0.0013	0
NM_033334	NR6A1	0	0.441617446615175	1	2.00E-04	NA	NA	0.0013	0
NM_001098512	PRKG1	0	0.442071785552022	1	2.00E-04	NA	NA	0.0013	0
NM_001282117	RFX3	0	0.442071785552022	1	2.00E-04	NA	NA	0.0013	0
NM_001550	IFRD1	0	0.442526124488869	1	2.00E-04	NA	NA	0.0013	0
NM_003924	PHOX2B	0	0.442526124488869	1	2.00E-04	NA	NA	0.0013	0
NM_080681	COL11A2	0	0.442526124488869	1	2.00E-04	NA	NA	0.0013	0
NM_080679	COL11A2	0	0.442526124488869	1	2.00E-04	NA	NA	0.0013	0

NM_080680	COL11A2	0	0.442526124488869	1	2.00E-04	NA	NA	0.0013	0
NM_001163771	COL11A2	0	0.442526124488869	1	2.00E-04	NA	NA	0.0013	0
NM_001004755	OR51L1	0.0218082689686506	0.464788732394366	1	2.00E-04	NA	NA	0.0013	0
NM_002482	NASP	0	0.443434802362562	1	2.00E-04	NA	NA	0.0013	0
NM_152298	NASP	0	0.443434802362562	1	2.00E-04	NA	NA	0.0013	0
NM_001195193	NASP	0	0.443434802362562	1	2.00E-04	NA	NA	0.0013	0
NM_012093	AK5	0	0.443434802362562	1	2.00E-04	NA	NA	0.0013	0
NM_024082	PRRG3	0	0.443434802362562	1	2.00E-04	NA	NA	0.0013	0
NM_144725	TTC23L	0.0249886415265788	0.468423443889141	1	2.00E-04	NA	NA	0.0013	0
NR_040254	D21S2088E	0	0.443889141299409	1	2.00E-04	NA	NA	0.0013	0
NR_002731	HYALP1	0.127669241253975	0.571558382553385	1	2.00E-04	NA	NA	0.0013	0
NM_016147	PPME1	0	0.444343480236256	1	2.00E-04	NA	NA	0.0013	0
NM_001271593	PPME1	0	0.444343480236256	1	2.00E-04	NA	NA	0.0013	0
NM_001130677	C17orf96	0	0.444343480236256	1	2.00E-04	NA	NA	0.0013	0
NR_104015	TMED1	0	0.444797819173103	1	2.00E-04	NA	NA	0.0013	0
NM_001193347	MEF2C	0	0.44525215810995	1	2.00E-04	NA	NA	0.0013	0
NM_001131005	MEF2C	0	0.44525215810995	1	2.00E-04	NA	NA	0.0013	0
NM_182626	C2orf48	0	0.445706497046797	1	2.00E-04	NA	NA	0.0013	0
NM_006285	TESK1	0	0.445706497046797	1	2.00E-04	NA	NA	0.0013	0
NM_001164502	EIF4ENIF1	0	0.445706497046797	1	2.00E-04	NA	NA	0.0013	0
NM_019843	EIF4ENIF1	0	0.445706497046797	1	2.00E-04	NA	NA	0.0013	0
NM_001017967	MARVELD3	0	0.446160835983644	1	2.00E-04	NA	NA	0.0013	0
NM_052858	MARVELD3	0	0.446160835983644	1	2.00E-04	NA	NA	0.0013	0
NM_001271329	MARVELD3	0	0.446160835983644	1	2.00E-04	NA	NA	0.0013	0
NM_015368	PANX1	0	0.446615174920491	1	2.00E-04	NA	NA	0.0013	0
NM_001146333	SUMF2	0	0.446615174920491	1	2.00E-04	NA	NA	0.0013	0
NM_001130069	SUMF2	0	0.446615174920491	1	2.00E-04	NA	NA	0.0013	0
NM_015411	SUMF2	0	0.446615174920491	1	2.00E-04	NA	NA	0.0013	0
NM_001042469	SUMF2	0	0.446615174920491	1	2.00E-04	NA	NA	0.0013	0
NM_001042470	SUMF2	0	0.446615174920491	1	2.00E-04	NA	NA	0.0013	0
NM_001256271	VSX1	0	0.446615174920491	1	2.00E-04	NA	NA	0.0013	0
NM_001256272	VSX1	0	0.446615174920491	1	2.00E-04	NA	NA	0.0013	0
NM_014588	VSX1	0	0.446615174920491	1	2.00E-04	NA	NA	0.0013	0
NM_199425	VSX1	0	0.446615174920491	1	2.00E-04	NA	NA	0.0013	0
NR_045951	VSX1	0	0.446615174920491	1	2.00E-04	NA	NA	0.0013	0
NR_045948	VSX1	0	0.446615174920491	1	2.00E-04	NA	NA	0.0013	0
NR_028062	PRKY	0	0.447069513857338	1	2.00E-04	NA	NA	0.0013	0
NM_001258453	FBXO18	0	0.447523852794184	1	2.00E-04	NA	NA	0.0013	0
NM_178150	FBXO18	0	0.447523852794184	1	2.00E-04	NA	NA	0.0013	0
NM_024944	CHODL	0	0.447523852794184	1	2.00E-04	NA	NA	0.0013	0
NM_001004439	ITGA11	0	0.447978191731031	1	2.00E-04	NA	NA	0.0013	0
NM_020787	ZNF624	0	0.447978191731031	1	2.00E-04	NA	NA	0.0013	0
NM_017633	FAM46A	0	0.448432530667878	1	2.00E-04	NA	NA	0.0013	0
NM_004712	HGS	0.134938664243526	0.583825533848251	0.9916	0.0098	NA	NA	0.0539	0.0014

NM_018423	STYK1	0	0.448886869604725	1	2.00E-04	NA	NA	0.0013	0
NM_005258	GCHFR	0	0.449341208541572	1	2.00E-04	NA	NA	0.0013	0
NM_017954	CADPS2	0	0.449341208541572	1	2.00E-04	NA	NA	0.0013	0
NM_001167940	CADPS2	0	0.449341208541572	1	2.00E-04	NA	NA	0.0013	0
NM_001009571	CADPS2	0	0.449341208541572	1	2.00E-04	NA	NA	0.0013	0
NM_014950	ZBTB1	0.00181735574738755	0.45115856428896	1	2.00E-04	NA	NA	0.0013	0
NM_001123329	ZBTB1	0.00181735574738755	0.45115856428896	1	2.00E-04	NA	NA	0.0013	0
NM_020309	SLC17A7	0	0.450249886415266	1	2.00E-04	NA	NA	0.0013	0
NM_001282879	GGTLC2	0	0.450704225352113	1	2.00E-04	NA	NA	0.0013	0
NM_000615	NCAM1	0	0.45115856428896	1	2.00E-04	NA	NA	0.0013	0
NM_001076682	NCAM1	0	0.45115856428896	1	2.00E-04	NA	NA	0.0013	0
NM_181351	NCAM1	0	0.45115856428896	1	2.00E-04	NA	NA	0.0013	0
NM_001242608	NCAM1	0	0.45115856428896	1	2.00E-04	NA	NA	0.0013	0
NM_001242607	NCAM1	0	0.45115856428896	1	2.00E-04	NA	NA	0.0013	0
NM_032848	C12orf52	0	0.451612903225806	1	2.00E-04	NA	NA	0.0013	0
NM_001270629	MED4	0	0.452067242162653	1	2.00E-04	NA	NA	0.0013	0
NM_014166	MED4	0	0.452067242162653	1	2.00E-04	NA	NA	0.0013	0
NM_000668	ADH1B	0	0.452067242162653	1	2.00E-04	NA	NA	0.0013	0
NM_001040875	GDAP1	0	0.4525215810995	1	2.00E-04	NA	NA	0.0013	0
NR_046346	GDAP1	0	0.4525215810995	1	2.00E-04	NA	NA	0.0013	0
NM_018972	GDAP1	0	0.4525215810995	1	2.00E-04	NA	NA	0.0013	0
NM_001130100	KIFC3	0	0.453884597910041	1	2.00E-04	NA	NA	0.0013	0
NM_005550	KIFC3	0	0.453884597910041	1	2.00E-04	NA	NA	0.0013	0
NM_001284214	TRIP12	0	0.454793275783735	1	2.00E-04	NA	NA	0.0013	0
NM_001284216	TRIP12	0	0.454793275783735	1	2.00E-04	NA	NA	0.0013	0
NM_004238	TRIP12	0	0.454793275783735	1	2.00E-04	NA	NA	0.0013	0
NM_001190810	AGAP9	0	0.455247614720582	1	2.00E-04	NA	NA	0.0013	0
NR_104031	MEF2C-AS1	0	0.455701953657428	1	2.00E-04	NA	NA	0.0013	0
NR_003509	HSFY2	0	0.455701953657428	1	2.00E-04	NA	NA	0.0013	0
NM_153716	HSFY2	0	0.455701953657428	1	2.00E-04	NA	NA	0.0013	0
NM_001271	CHD2	0	0.456156292594275	1	2.00E-04	NA	NA	0.0013	0
NM_001042572	CHD2	0	0.456156292594275	1	2.00E-04	NA	NA	0.0013	0
NM_001098206	HNRNPF	0	0.456156292594275	1	2.00E-04	NA	NA	0.0013	0
NM_017771	PXK	0	0.456610631531122	1	2.00E-04	NA	NA	0.0013	0
NM_021635	PBOV1	0	0.457064970467969	1	2.00E-04	NA	NA	0.0013	0
NM_005930	CTAGE5	0	0.457519309404816	1	2.00E-04	NA	NA	0.0013	0
NM_001247989	CTAGE5	0	0.457519309404816	1	2.00E-04	NA	NA	0.0013	0
NM_203355	CTAGE5	0	0.457519309404816	1	2.00E-04	NA	NA	0.0013	0
NM_001247990	CTAGE5	0	0.457519309404816	1	2.00E-04	NA	NA	0.0013	0
NM_001042762	FIGNL1	0	0.457973648341663	1	2.00E-04	NA	NA	0.0013	0
NM_022116	FIGNL1	0	0.457973648341663	1	2.00E-04	NA	NA	0.0013	0
NM_002882	RANBP1	0	0.45842798727851	1	2.00E-04	NA	NA	0.0013	0
NM_001278640	RANBP1	0	0.45842798727851	1	2.00E-04	NA	NA	0.0013	0
NM_001278641	RANBP1	0	0.45842798727851	1	2.00E-04	NA	NA	0.0013	0

NM_001165921	SERPINF2	0	0.458882326215357	1	2.00E-04	NA	NA	0.0013	0
NM_000934	SERPINF2	0	0.458882326215357	1	2.00E-04	NA	NA	0.0013	0
NM_006465	ARID3B	0	0.459336665152204	1	2.00E-04	NA	NA	0.0013	0
NM_181558	RFC3	0	0.45979100408905	1	2.00E-04	NA	NA	0.0013	0
NM_002915	RFC3	0	0.45979100408905	1	2.00E-04	NA	NA	0.0013	0
NM_015028	TNIK	0	0.45979100408905	1	2.00E-04	NA	NA	0.0013	0
NM_001161560	TNIK	0	0.45979100408905	1	2.00E-04	NA	NA	0.0013	0
NM_001161566	TNIK	0	0.45979100408905	1	2.00E-04	NA	NA	0.0013	0
NM_001161565	TNIK	0	0.45979100408905	1	2.00E-04	NA	NA	0.0013	0
NM_001161561	TNIK	0	0.45979100408905	1	2.00E-04	NA	NA	0.0013	0
NM_001161563	TNIK	0	0.45979100408905	1	2.00E-04	NA	NA	0.0013	0
NM_001161564	TNIK	0	0.45979100408905	1	2.00E-04	NA	NA	0.0013	0
NM_001161562	TNIK	0	0.45979100408905	1	2.00E-04	NA	NA	0.0013	0
NR_027767	TNIK	0	0.45979100408905	1	2.00E-04	NA	NA	0.0013	0
NM_134446	CD99L2	0	0.460245343025897	1	2.00E-04	NA	NA	0.0013	0
NM_001184808	CD99L2	0	0.460245343025897	1	2.00E-04	NA	NA	0.0013	0
NM_134445	CD99L2	0	0.460245343025897	1	2.00E-04	NA	NA	0.0013	0
NM_001242614	CD99L2	0	0.460245343025897	1	2.00E-04	NA	NA	0.0013	0
NM_031462	CD99L2	0	0.460245343025897	1	2.00E-04	NA	NA	0.0013	0
NM_004976	KCNC1	0	0.460699681962744	1	2.00E-04	NA	NA	0.0013	0
NM_001112741	KCNC1	0	0.460699681962744	1	2.00E-04	NA	NA	0.0013	0
NM_001144892	FGF1	0	0.460699681962744	1	2.00E-04	NA	NA	0.0013	0
NM_001257212	FGF1	0	0.460699681962744	1	2.00E-04	NA	NA	0.0013	0
NM_016306	DNAJB11	0	0.461154020899591	1	2.00E-04	NA	NA	0.0013	0
NR_039680	MIR4470	0	0.461154020899591	1	2.00E-04	NA	NA	0.0013	0
NM_001567	INPPL1	0	0.461608359836438	1	2.00E-04	NA	NA	0.0013	0
NM_002202	ISL1	0	0.461608359836438	1	2.00E-04	NA	NA	0.0013	0
NM_000234	LIG1	0	0.461608359836438	1	2.00E-04	NA	NA	0.0013	0
NR_027440	LOC100272217	0	0.461608359836438	1	2.00E-04	NA	NA	0.0013	0
NR_030159	MIR484	0	0.462062698773285	1	2.00E-04	NA	NA	0.0013	0
NM_001143979	NDE1	0	0.462062698773285	1	2.00E-04	NA	NA	0.0013	0
NM_032037	TSSK6	0	0.462971376646979	1	2.00E-04	NA	NA	0.0013	0
NM_033108	HSFY1	0	0.463425715583826	1	2.00E-04	NA	NA	0.0013	0
NM_018534	NRP2	0	0.463880054520672	1	2.00E-04	NA	NA	0.0013	0
NM_201279	NRP2	0	0.463880054520672	1	2.00E-04	NA	NA	0.0013	0
NM_003872	NRP2	0	0.463880054520672	1	2.00E-04	NA	NA	0.0013	0
NM_201267	NRP2	0	0.463880054520672	1	2.00E-04	NA	NA	0.0013	0
NM_201266	NRP2	0	0.463880054520672	1	2.00E-04	NA	NA	0.0013	0
NM_201264	NRP2	0	0.463880054520672	1	2.00E-04	NA	NA	0.0013	0
NM_001134380	TBC1D5	0	0.464334393457519	1	2.00E-04	NA	NA	0.0013	0
NM_152584	HSFY1	0	0.464788732394366	1	2.00E-04	NA	NA	0.0013	0
NR_003510	HSFY1	0	0.464788732394366	1	2.00E-04	NA	NA	0.0013	0
NM_001001877	HSFY2	0	0.464788732394366	1	2.00E-04	NA	NA	0.0013	0
NM_006002	UCHL3	0	0.465243071331213	1	2.00E-04	NA	NA	0.0013	0

NM_004389	CTNNA2	0	0.465243071331213	1	2.00E-04	NA	NA	0.0013	0
NM_001164883	CTNNA2	0	0.465243071331213	1	2.00E-04	NA	NA	0.0013	0
NM_001282597	CTNNA2	0	0.465243071331213	1	2.00E-04	NA	NA	0.0013	0
NM_030895	ZNF696	0	0.46569741026806	1	2.00E-04	NA	NA	0.0013	0
NM_004734	DCLK1	0	0.466151749204907	1	2.00E-04	NA	NA	0.0013	0
NM_001024808	BCL7A	0	0.467060427078601	1	2.00E-04	NA	NA	0.0013	0
NM_020993	BCL7A	0	0.467060427078601	1	2.00E-04	NA	NA	0.0013	0
NM_001168344	RREB1	0	0.467060427078601	1	2.00E-04	NA	NA	0.0013	0
NM_001244705	CSAD	0	0.467060427078601	1	2.00E-04	NA	NA	0.0013	0
NM_012301	MAGI2	0	0.467060427078601	1	2.00E-04	NA	NA	0.0013	0
NM_001050	SSTR2	0	0.467514766015448	1	2.00E-04	NA	NA	0.0013	0
NM_001202504	CTDP1	0	0.467514766015448	1	2.00E-04	NA	NA	0.0013	0
NM_021109	TMSB4X	0	0.467514766015448	1	2.00E-04	NA	NA	0.0013	0
NM_001679	ATP1B3	0	0.468423443889141	1	2.00E-04	NA	NA	0.0013	0
NM_001198	PRDM1	0	0.468423443889141	1	2.00E-04	NA	NA	0.0013	0
NR_102763	GATA6-AS1	0	0.468423443889141	1	2.00E-04	NA	NA	0.0013	0
NR_000005	SNORD15A	0	0.468877782825988	1	2.00E-04	NA	NA	0.0013	0
NM_175063	EMC10	0	0.469332121762835	1	2.00E-04	NA	NA	0.0013	0
NM_206538	EMC10	0	0.469332121762835	1	2.00E-04	NA	NA	0.0013	0
NM_005510	DXO	0	0.469332121762835	1	2.00E-04	NA	NA	0.0013	0
NM_001174166	SLC16A6	0	0.469786460699682	1	2.00E-04	NA	NA	0.0013	0
NM_004694	SLC16A6	0	0.469786460699682	1	2.00E-04	NA	NA	0.0013	0
NM_001164748	RASSF8	0	0.470695138573376	1	2.00E-04	NA	NA	0.0013	0
NM_007211	RASSF8	0	0.470695138573376	1	2.00E-04	NA	NA	0.0013	0
NM_001207069	BZW1	0	0.471149477510223	1	2.00E-04	NA	NA	0.0013	0
NM_001207068	BZW1	0	0.471149477510223	1	2.00E-04	NA	NA	0.0013	0
NM_020147	THAP10	0	0.471149477510223	1	2.00E-04	NA	NA	0.0013	0
NM_018056	TMEM39B	0	0.47160381644707	1	2.00E-04	NA	NA	0.0013	0
NM_001199268	DGKZ	0	0.47160381644707	1	2.00E-04	NA	NA	0.0013	0
NM_003646	DGKZ	0	0.47160381644707	1	2.00E-04	NA	NA	0.0013	0
NM_001199267	DGKZ	0	0.47160381644707	1	2.00E-04	NA	NA	0.0013	0
NM_001199266	DGKZ	0	0.47160381644707	1	2.00E-04	NA	NA	0.0013	0
NM_014117	C16orf72	0	0.47160381644707	1	2.00E-04	NA	NA	0.0013	0
NM_152310	ELOVL3	0	0.472058155383916	1	2.00E-04	NA	NA	0.0013	0
NM_018723	RBFOX1	0	0.472512494320763	1	2.00E-04	NA	NA	0.0013	0
NM_001142333	RBFOX1	0	0.472512494320763	1	2.00E-04	NA	NA	0.0013	0
NM_004248	PRLHR	0	0.472512494320763	1	2.00E-04	NA	NA	0.0013	0
NM_003222	TFAP2C	0	0.47296683325761	1	2.00E-04	NA	NA	0.0013	0
NM_001184718	TIPARP	0	0.47296683325761	1	2.00E-04	NA	NA	0.0013	0
NM_174944	TSSK4	0	0.473875511131304	1	2.00E-04	NA	NA	0.0013	0
NM_001184739	TSSK4	0	0.473875511131304	1	2.00E-04	NA	NA	0.0013	0
NM_052928	SMYD4	0	0.474329850068151	1	2.00E-04	NA	NA	0.0013	0
NM_003242	TGFBR2	0	0.474784189004998	1	2.00E-04	NA	NA	0.0013	0
NM_001024847	TGFBR2	0	0.474784189004998	1	2.00E-04	NA	NA	0.0013	0

NM_001256024	ARHGAP22	0	0.474784189004998	1	2.00E-04	NA	NA	0.0013	0
NM_021226	ARHGAP22	0	0.474784189004998	1	2.00E-04	NA	NA	0.0013	0
NM_024075	TSEN34	0	0.475238527941845	1	2.00E-04	NA	NA	0.0013	0
NM_001282333	TSEN34	0	0.475238527941845	1	2.00E-04	NA	NA	0.0013	0
NM_001029954	CDNF	0	0.475692866878692	1	2.00E-04	NA	NA	0.0013	0
NM_001135598	CLHC1	0	0.475692866878692	1	2.00E-04	NA	NA	0.0013	0
NM_002036	DARC	0	0.476147205815538	1	2.00E-04	NA	NA	0.0013	0
NM_182664	RASSF5	0	0.476147205815538	1	2.00E-04	NA	NA	0.0013	0
NM_182663	RASSF5	0	0.476147205815538	1	2.00E-04	NA	NA	0.0013	0
NM_022456	RAB3IP	0	0.476147205815538	1	2.00E-04	NA	NA	0.0013	0
NM_175624	RAB3IP	0	0.476147205815538	1	2.00E-04	NA	NA	0.0013	0
NR_103519	RAB3IP	0	0.476147205815538	1	2.00E-04	NA	NA	0.0013	0
NM_001135648	PTPRK	0	0.476147205815538	1	2.00E-04	NA	NA	0.0013	0
NM_002844	PTPRK	0	0.476147205815538	1	2.00E-04	NA	NA	0.0013	0
NM_004300	ACP1	0	0.476601544752385	1	2.00E-04	NA	NA	0.0013	0
NM_001040649	ACP1	0	0.476601544752385	1	2.00E-04	NA	NA	0.0013	0
NM_007099	ACP1	0	0.476601544752385	1	2.00E-04	NA	NA	0.0013	0
NR_024080	ACP1	0	0.476601544752385	1	2.00E-04	NA	NA	0.0013	0
NM_199440	HSPD1	0	0.476601544752385	1	2.00E-04	NA	NA	0.0013	0
NM_153218	LACC1	0	0.477055883689232	1	2.00E-04	NA	NA	0.0013	0
NR_104226	SH3YL1	0	0.477055883689232	1	2.00E-04	NA	NA	0.0013	0
NM_181501	ITGA1	0	0.477510222626079	1	2.00E-04	NA	NA	0.0013	0
NM_015946	PELO	0	0.477510222626079	1	2.00E-04	NA	NA	0.0013	0
NM_003902	FUBP1	0	0.477510222626079	1	2.00E-04	NA	NA	0.0013	0
NM_001172664	RAB40C	0	0.477964561562926	1	2.00E-04	NA	NA	0.0013	0
NM_001122951	DARC	0	0.47887323943662	1	2.00E-04	NA	NA	0.0013	0
NM_004043	ASMT	0	0.47887323943662	1	2.00E-04	NA	NA	0.0013	0
NR_031729	MIR1908	0	0.479781917310313	1	2.00E-04	NA	NA	0.0013	0
NM_001199758	MTHFS	0	0.479781917310313	1	2.00E-04	NA	NA	0.0013	0
NR_034041	SRSF1	0	0.48023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_001078166	SRSF1	0	0.48023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_006924	SRSF1	0	0.48023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_145333	MAP3K7	0	0.48023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_145332	MAP3K7	0	0.48023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_145331	MAP3K7	0	0.48023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_003188	MAP3K7	0	0.48023625624716	1	2.00E-04	NA	NA	0.0013	0
NM_004379	CREB1	0	0.481144934120854	1	2.00E-04	NA	NA	0.0013	0
NM_134442	CREB1	0	0.481144934120854	1	2.00E-04	NA	NA	0.0013	0
NM_005754	G3BP1	0	0.481144934120854	1	0.002	NA	NA	0.0087	3.00E-04
NM_198395	G3BP1	0	0.481144934120854	1	0.0024	NA	NA	0.0162	4.00E-04
NR_038835	MNX1-AS1	0	0.482053611994548	1	2.00E-04	NA	NA	0.0013	0
NM_020196	XAB2	0	0.482053611994548	1	2.00E-04	NA	NA	0.0013	0
NM_001451	FOXF1	0	0.482507950931395	1	2.00E-04	NA	NA	0.0013	0
NM_001281503	SLITRK1	0	0.482962289868242	1	2.00E-04	NA	NA	0.0013	0



NM_052910	SLITRK1	0	0.482962289868242	1	2.00E-04	NA	NA	0.0013	0
NM_001165255	MXN1	0	0.482962289868242	1	2.00E-04	NA	NA	0.0013	0
NM_016049	EMC9	0	0.483416628805089	1	2.00E-04	NA	NA	0.0013	0
NR_038339	OSER1-AS1	0	0.483870967741935	1	2.00E-04	NA	NA	0.0013	0
NR_027392	INTS4L2	0	0.483870967741935	1	2.00E-04	NA	NA	0.0013	0
NM_004745	DLGAP2	0	0.483870967741935	1	2.00E-04	NA	NA	0.0013	0
NM_001277161	DLGAP2	0	0.483870967741935	1	2.00E-04	NA	NA	0.0013	0
NM_001258415	ARHGAP20	0	0.483870967741935	1	2.00E-04	NA	NA	0.0013	0
NM_031895	CACNG8	0	0.484325306678782	1	2.00E-04	NA	NA	0.0013	0
NM_001922	DCT	0	0.484325306678782	1	2.00E-04	NA	NA	0.0013	0
NM_001129889	DCT	0	0.484325306678782	1	2.00E-04	NA	NA	0.0013	0
NM_002201	ISG20	0	0.484779645615629	1	2.00E-04	NA	NA	0.0013	0
NM_004969	IDE	0	0.485688323489323	1	2.00E-04	NA	NA	0.0013	0
NM_181742	ORC4	0	0.48614266242617	1	2.00E-04	NA	NA	0.0013	0
NM_001278622	RAD17	0	0.486597001363017	1	2.00E-04	NA	NA	0.0013	0
NM_001018076	NR3C1	0	0.487051340299864	1	2.00E-04	NA	NA	0.0013	0
NM_001018088	VPS13C	0	0.487505679236711	1	2.00E-04	NA	NA	0.0013	0
NM_018080	VPS13C	0	0.487505679236711	1	2.00E-04	NA	NA	0.0013	0
NM_020821	VPS13C	0	0.487505679236711	1	2.00E-04	NA	NA	0.0013	0
NM_017684	VPS13C	0	0.487505679236711	1	2.00E-04	NA	NA	0.0013	0
NM_014452	TNFRSF21	0	0.487505679236711	1	2.00E-04	NA	NA	0.0013	0
NM_018908	PCDHA5	0	0.487960018173557	1	2.00E-04	NA	NA	0.0013	0
NM_031501	PCDHA5	0	0.487960018173557	1	2.00E-04	NA	NA	0.0013	0
NM_000539	RHO	0	0.488414357110404	1	2.00E-04	NA	NA	0.0013	0
NR_073103	ITGA2	0	0.488414357110404	1	2.00E-04	NA	NA	0.0013	0
NR_073106	ITGA2	0	0.488414357110404	1	2.00E-04	NA	NA	0.0013	0
NR_073104	ITGA2	0	0.488414357110404	1	2.00E-04	NA	NA	0.0013	0
NM_002203	ITGA2	0	0.488414357110404	1	2.00E-04	NA	NA	0.0013	0
NR_073107	ITGA2	0	0.488414357110404	1	2.00E-04	NA	NA	0.0013	0
NR_073105	ITGA2	0	0.488414357110404	1	2.00E-04	NA	NA	0.0013	0
NM_001190945	TRAF1	0	0.488414357110404	1	2.00E-04	NA	NA	0.0013	0
NM_018140	CEP72	0	0.488868696047251	1	2.00E-04	NA	NA	0.0013	0
NM_001207062	C22orf23	0	0.488868696047251	1	2.00E-04	NA	NA	0.0013	0
NM_032561	C22orf23	0	0.488868696047251	1	2.00E-04	NA	NA	0.0013	0
NM_020482	FHL5	0	0.489323034984098	1	2.00E-04	NA	NA	0.0013	0
NM_001170807	FHL5	0	0.489323034984098	1	2.00E-04	NA	NA	0.0013	0
NM_001127713	ATL1	0	0.489777373920945	1	2.00E-04	NA	NA	0.0013	0
NM_001934	DLX4	0	0.489777373920945	1	2.00E-04	NA	NA	0.0013	0
NM_001172131	HCK	0	0.489777373920945	1	2.00E-04	NA	NA	0.0013	0
NM_001172129	HCK	0	0.489777373920945	1	2.00E-04	NA	NA	0.0013	0
NM_001172130	HCK	0	0.489777373920945	1	2.00E-04	NA	NA	0.0013	0
NM_001172132	HCK	0	0.489777373920945	1	2.00E-04	NA	NA	0.0013	0
NM_002110	HCK	0	0.489777373920945	1	2.00E-04	NA	NA	0.0013	0
NM_001172133	HCK	0	0.489777373920945	1	2.00E-04	NA	NA	0.0013	0

NM_001193282	LOC402160	0	0.489777373920945	1	2.00E-04	NA	NA	0.0013	0
NM_032310	C9orf89	0	0.490231712857792	1	2.00E-04	NA	NA	0.0013	0
NM_000111	SLC26A3	0	0.490231712857792	1	2.00E-04	NA	NA	0.0013	0
NM_001204364	FAM24B	0	0.490686051794639	1	2.00E-04	NA	NA	0.0013	0
NM_152644	FAM24B	0	0.490686051794639	1	2.00E-04	NA	NA	0.0013	0
NR_037915	FAM24B-CUZD1	0	0.490686051794639	1	2.00E-04	NA	NA	0.0013	0
NR_037911	FAM24B	0	0.490686051794639	1	2.00E-04	NA	NA	0.0013	0
NR_026877	MGC2889	0	0.492049068605179	1	2.00E-04	NA	NA	0.0013	0
NM_015343	CTDNEP1	0	0.492503407542026	1	2.00E-04	NA	NA	0.0013	0
NM_014046	MRPS18B	0	0.492957746478873	1	2.00E-04	NA	NA	0.0013	0
NM_032849	MEDAG	0.00999545661063153	0.503407542026352	1	2.00E-04	NA	NA	0.0013	0
NM_000834	GRIN2B	0	0.493866424352567	1	2.00E-04	NA	NA	0.0013	0
NM_004031	IRF7	0	0.494775102226261	1	2.00E-04	NA	NA	0.0013	0
NM_001572	IRF7	0	0.494775102226261	1	2.00E-04	NA	NA	0.0013	0
NM_004029	IRF7	0	0.494775102226261	1	2.00E-04	NA	NA	0.0013	0
NM_133179	XAGE3	0	0.494775102226261	1	2.00E-04	NA	NA	0.0013	0
NM_203356	CTAGE5	0	0.495229441163108	1	2.00E-04	NA	NA	0.0013	0
NM_001247988	CTAGE5	0	0.495229441163108	1	2.00E-04	NA	NA	0.0013	0
NR_038943	ADD3-AS1	0	0.495229441163108	1	2.00E-04	NA	NA	0.0013	0
NM_014755	SERTAD2	0	0.495229441163108	1	2.00E-04	NA	NA	0.0013	0
NM_001204267	GABRA4	0	0.495229441163108	1	2.00E-04	NA	NA	0.0013	0
NM_001204266	GABRA4	0	0.495229441163108	1	2.00E-04	NA	NA	0.0013	0
NM_001007189	IGIP	0	0.495683780099955	1	2.00E-04	NA	NA	0.0013	0
NM_021179	CCDC181	0	0.495683780099955	1	2.00E-04	NA	NA	0.0013	0
NM_014891	PDAP1	0	0.495683780099955	1	2.00E-04	NA	NA	0.0013	0
NM_002242	KCNJ13	0	0.496138119036801	1	2.00E-04	NA	NA	0.0013	0
NM_001172416	KCNJ13	0	0.496138119036801	1	2.00E-04	NA	NA	0.0013	0
NM_001172417	KCNJ13	0	0.496138119036801	1	2.00E-04	NA	NA	0.0013	0
NM_018186	C1orf112	0	0.496592457973648	1	2.00E-04	NA	NA	0.0013	0
NM_003039	SLC2A5	0	0.496592457973648	1	2.00E-04	NA	NA	0.0013	0
NM_001135585	SLC2A5	0	0.496592457973648	1	2.00E-04	NA	NA	0.0013	0
NM_201532	DGKZ	0	0.497046796910495	1	2.00E-04	NA	NA	0.0013	0
NR_029714	MIR320A	0	0.497046796910495	1	2.00E-04	NA	NA	0.0013	0
NM_005274	GNG5	0	0.497501135847342	1	2.00E-04	NA	NA	0.0013	0
NM_015072	TTL5	0	0.497955474784189	1	2.00E-04	NA	NA	0.0013	0
NR_029373	LEF1-AS1	0	0.497955474784189	1	2.00E-04	NA	NA	0.0013	0
NR_038351	ENO1-AS1	0	0.498864152657883	1	2.00E-04	NA	NA	0.0013	0
NM_144643	SCLT1	0	0.49931849159473	1	4.00E-04	NA	NA	0.0029	1.00E-04
NR_024365	PP12613	0	0.500227169468423	1	2.00E-04	NA	NA	0.0013	0
NM_145061	SKA3	0	0.501135847342117	1	2.00E-04	NA	NA	0.0013	0
NM_001166017	SKA3	0	0.501135847342117	1	2.00E-04	NA	NA	0.0013	0
NR_027503	LOC100133050	0	0.501590186278964	1	2.00E-04	NA	NA	0.0013	0
NM_173563	FAM217A	0	0.501590186278964	1	2.00E-04	NA	NA	0.0013	0
NM_025004	CCDC15	0	0.502498864152658	1	2.00E-04	NA	NA	0.0013	0

NM_031420	MRPL9	0	0.502498864152658	1	2.00E-04	NA	NA	0.0013	0
NM_001166057	PEPD	0	0.502498864152658	1	2.00E-04	NA	NA	0.0013	0
NM_001166056	PEPD	0	0.502498864152658	1	2.00E-04	NA	NA	0.0013	0
NM_000285	PEPD	0	0.502498864152658	1	2.00E-04	NA	NA	0.0013	0
NM_001253801	ZNF331	0	0.502953203089505	1	2.00E-04	NA	NA	0.0013	0
NR_102741	LINC01024	0	0.502953203089505	1	2.00E-04	NA	NA	0.0013	0
NR_102740	LINC01024	0	0.502953203089505	1	2.00E-04	NA	NA	0.0013	0
NR_102739	LINC01024	0	0.502953203089505	1	2.00E-04	NA	NA	0.0013	0
NM_198966	PTHLH	0	0.503407542026352	1	2.00E-04	NA	NA	0.0013	0
NM_198964	PTHLH	0	0.503407542026352	1	2.00E-04	NA	NA	0.0013	0
NM_000051	ATM	0	0.504770558836892	1	2.00E-04	NA	NA	0.0013	0
NM_001136479	ANP32E	0	0.504770558836892	1	2.00E-04	NA	NA	0.0013	0
NM_013358	PADI1	0	0.505679236710586	1	2.00E-04	NA	NA	0.0013	0
NR_003607	HSFY1P1	0	0.505679236710586	1	2.00E-04	NA	NA	0.0013	0
NM_023918	TAS2R8	0	0.507042253521127	1	2.00E-04	NA	NA	0.0013	0
NM_015091	FAM179B	0	0.507950931394821	1	2.00E-04	NA	NA	0.0013	0
NM_005222	DLX6	0	0.507950931394821	1	2.00E-04	NA	NA	0.0013	0
NM_003272	GPR137B	0	0.508405270331667	1	2.00E-04	NA	NA	0.0013	0
NM_021955	GNGT1	0	0.508859609268514	1	2.00E-04	NA	NA	0.0013	0
NM_001143775	CTDNBP1	0	0.508859609268514	1	2.00E-04	NA	NA	0.0013	0
NM_203370	FAM212A	0	0.509313948205361	1	2.00E-04	NA	NA	0.0013	0
NM_001127176	MRO	0	0.509313948205361	1	2.00E-04	NA	NA	0.0013	0
NM_001127175	MRO	0	0.509313948205361	1	2.00E-04	NA	NA	0.0013	0
NM_031939	MRO	0	0.509313948205361	1	2.00E-04	NA	NA	0.0013	0
NM_001204102	CASC1	0	0.509768287142208	1	2.00E-04	NA	NA	0.0013	0
NM_001204101	CASC1	0	0.509768287142208	1	2.00E-04	NA	NA	0.0013	0
NM_001082973	CASC1	0	0.509768287142208	1	2.00E-04	NA	NA	0.0013	0
NM_001082972	CASC1	0	0.509768287142208	1	2.00E-04	NA	NA	0.0013	0
NM_018272	CASC1	0	0.509768287142208	1	2.00E-04	NA	NA	0.0013	0
NM_024589	ROGDI	0	0.509768287142208	1	2.00E-04	NA	NA	0.0013	0
NR_046480	ROGDI	0	0.509768287142208	1	2.00E-04	NA	NA	0.0013	0
NM_001034852	SMOC1	0	0.511131303952749	1	2.00E-04	NA	NA	0.0013	0
NM_022137	SMOC1	0	0.511131303952749	1	2.00E-04	NA	NA	0.0013	0
NM_001258417	ARHGAP20	0	0.511131303952749	1	2.00E-04	NA	NA	0.0013	0
NM_020809	ARHGAP20	0	0.511131303952749	1	2.00E-04	NA	NA	0.0013	0
NR_024481	FAM205B	0	0.511131303952749	1	2.00E-04	NA	NA	0.0013	0
NM_001171909	CXorf40A	0	0.511585642889596	1	2.00E-04	NA	NA	0.0013	0
NM_001142522	FBX05	0	0.511585642889596	1	2.00E-04	NA	NA	0.0013	0
NM_005921	MAP3K1	0	0.512039981826443	1	2.00E-04	NA	NA	0.0013	0
NR_037870	LOC100131825	0	0.512494320763289	1	2.00E-04	NA	NA	0.0013	0
NM_014753	BMS1	0	0.513402998636983	1	2.00E-04	NA	NA	0.0013	0
NM_000813	GABRB2	0	0.513402998636983	1	2.00E-04	NA	NA	0.0013	0
NM_021911	GABRB2	0	0.513402998636983	1	2.00E-04	NA	NA	0.0013	0
NM_001171195	ELAVL2	0	0.51385733757383	1	2.00E-04	NA	NA	0.0013	0

NM_153347	<i>TMEM86A</i>	0	0.514311676510677	1	2.00E-04	NA	NA	0.0013	0
NM_001172665	<i>RAB40C</i>	0	0.514311676510677	1	2.00E-04	NA	NA	0.0013	0
NM_001172666	<i>RAB40C</i>	0	0.514311676510677	1	2.00E-04	NA	NA	0.0013	0
NM_021168	<i>RAB40C</i>	0	0.514311676510677	1	2.00E-04	NA	NA	0.0013	0
NR_026751	<i>ZNRD1-AS1</i>	0	0.514766015447524	1	2.00E-04	NA	NA	0.0013	0
NM_004094	<i>EIF2S1</i>	0	0.515220354384371	1	2.00E-04	NA	NA	0.0013	0
NM_000798	<i>DRD5</i>	0	0.516583371194911	1	2.00E-04	NA	NA	0.0013	0
NR_037504	<i>MIR3939</i>	0	0.516583371194911	1	2.00E-04	NA	NA	0.0013	0
NM_152647	<i>FAM227B</i>	0.0554293502953203	0.573375738300772	1	2.00E-04	NA	NA	0.0013	0
NR_024347	<i>LINC00304</i>	0.0581553839164016	0.576101771921854	1	2.00E-04	NA	NA	0.0013	0
NM_006711	<i>RNPS1</i>	0.104043616537937	0.622444343480236	1	2.00E-04	NA	NA	0.0013	0
NM_030929	<i>KAZALD1</i>	0	0.518400726942299	1	2.00E-04	NA	NA	0.0013	0
NR_038930	<i>LOC100507250</i>	0	0.518400726942299	1	2.00E-04	NA	NA	0.0013	0
NM_003833	<i>MATN4</i>	0	0.518400726942299	1	2.00E-04	NA	NA	0.0013	0
NM_030590	<i>MATN4</i>	0	0.518400726942299	1	2.00E-04	NA	NA	0.0013	0
NM_030592	<i>MATN4</i>	0	0.518400726942299	1	2.00E-04	NA	NA	0.0013	0
NM_183373	<i>PXDC1</i>	0	0.518400726942299	1	2.00E-04	NA	NA	0.0013	0
NM_001202474	<i>PGR</i>	0	0.518855065879146	1	2.00E-04	NA	NA	0.0013	0
NM_001271161	<i>PGR</i>	0	0.518855065879146	1	2.00E-04	NA	NA	0.0013	0
NR_073143	<i>PGR</i>	0	0.518855065879146	1	2.00E-04	NA	NA	0.0013	0
NR_073142	<i>PGR</i>	0	0.518855065879146	1	2.00E-04	NA	NA	0.0013	0
NR_073141	<i>PGR</i>	0	0.518855065879146	1	2.00E-04	NA	NA	0.0013	0
NR_027251	<i>LOC100129726</i>	0	0.519309404815993	1	2.00E-04	NA	NA	0.0013	0
NM_001242948	<i>EPDR1</i>	0	0.519309404815993	1	2.00E-04	NA	NA	0.0013	0
NM_001184986	<i>NDUFC1</i>	0	0.519309404815993	1	2.00E-04	NA	NA	0.0013	0
NM_001184991	<i>NDUFC1</i>	0	0.519309404815993	1	2.00E-04	NA	NA	0.0013	0
NM_002494	<i>NDUFC1</i>	0	0.519309404815993	1	2.00E-04	NA	NA	0.0013	0
NM_001480	<i>GALR1</i>	0	0.51976374375284	1	2.00E-04	NA	NA	0.0013	0
NM_005025	<i>SERPINI1</i>	0	0.520672421626533	1	2.00E-04	NA	NA	0.0013	0
NM_001122752	<i>SERPINI1</i>	0	0.520672421626533	1	2.00E-04	NA	NA	0.0013	0
NM_001005464	<i>HIST2H3A</i>	0	0.522489777373921	1	2.00E-04	NA	NA	0.0013	0
NM_021059	<i>HIST2H3C</i>	0	0.522489777373921	1	2.00E-04	NA	NA	0.0013	0
NM_181880	<i>VCY1B</i>	0	0.522489777373921	1	2.00E-04	NA	NA	0.0013	0
NM_002234	<i>KCNA5</i>	0.0336210813266697	0.556565197637438	1	2.00E-04	NA	NA	0.0013	0
NM_021189	<i>CADM3</i>	0	0.523398455247615	1	2.00E-04	NA	NA	0.0013	0
NM_031896	<i>CACNG7</i>	0	0.523398455247615	1	2.00E-04	NA	NA	0.0013	0
NM_152392	<i>AHSA2</i>	0	0.523398455247615	1	2.00E-04	NA	NA	0.0013	0
NM_014170	<i>GTPBP8</i>	0	0.523398455247615	1	2.00E-04	NA	NA	0.0013	0
NM_138485	<i>GTPBP8</i>	0	0.523398455247615	1	2.00E-04	NA	NA	0.0013	0
NM_054110	<i>GALNT15</i>	0.10222626079055	0.626079054975011	1	2.00E-04	NA	NA	0.0013	0
NM_001964	<i>EGR1</i>	0	0.523852794184462	1	2.00E-04	NA	NA	0.0013	0
NM_175607	<i>CNTN4</i>	0	0.524307133121308	1	2.00E-04	NA	NA	0.0013	0
NM_080717	<i>TBX5</i>	0	0.525215810995002	1	2.00E-04	NA	NA	0.0013	0
NM_000192	<i>TBX5</i>	0	0.525215810995002	1	2.00E-04	NA	NA	0.0013	0

NM_001098502	CHCHD4	0	0.527941844616084	1	2.00E-04	NA	NA	0.0013	0
NM_144636	CHCHD4	0	0.527941844616084	1	2.00E-04	NA	NA	0.0013	0
NM_001039165	MRGBPRE	0	0.528850522489777	1	2.00E-04	NA	NA	0.0013	0
NM_021220	OVOL2	0	0.528850522489777	1	2.00E-04	NA	NA	0.0013	0
NM_001164501	EIF4ENIF1	0	0.528850522489777	1	2.00E-04	NA	NA	0.0013	0
NM_001197294	DPYSL3	0	0.528850522489777	1	2.00E-04	NA	NA	0.0013	0
NM_031283	TCF7L1	0	0.531122217174012	1	2.00E-04	NA	NA	0.0013	0
NM_001005491	OR10AG1	0	0.531576556110859	1	2.00E-04	NA	NA	0.0013	0
NM_003379	EZR	0	0.532030895047706	1	0.0026	NA	NA	0.0173	4.00E-04
NR_033363	ATG12	0	0.532485233984552	1	2.00E-04	NA	NA	0.0013	0
NR_033362	ATG12	0	0.532485233984552	1	2.00E-04	NA	NA	0.0013	0
NM_001277783	ATG12	0	0.532485233984552	1	2.00E-04	NA	NA	0.0013	0
NM_004707	ATG12	0	0.532485233984552	1	2.00E-04	NA	NA	0.0013	0
NR_073603	ATG12	0	0.532485233984552	1	2.00E-04	NA	NA	0.0013	0
NR_015360	FLJ33630	0	0.532939572921399	1	2.00E-04	NA	NA	0.0013	0
NM_173487	C4orf33	0	0.53430258973194	1	2.00E-04	NA	NA	0.0013	0
NM_000132	F8	0	0.53430258973194	1	2.00E-04	NA	NA	0.0013	0
NM_152760	SNX32	0	0.534756928668787	1	2.00E-04	NA	NA	0.0013	0
NM_006237	POU4F1	0	0.534756928668787	1	2.00E-04	NA	NA	0.0013	0
NM_019063	EML4	0	0.535665606542481	1	2.00E-04	NA	NA	0.0013	0
NM_001145076	EML4	0	0.535665606542481	1	2.00E-04	NA	NA	0.0013	0
NM_006474	PDPN	0	0.537028623353021	1	2.00E-04	NA	NA	0.0013	0
NM_198389	PDPN	0	0.537028623353021	1	2.00E-04	NA	NA	0.0013	0
NM_181453	GCC2	0	0.537028623353021	1	2.00E-04	NA	NA	0.0013	0
NR_028063	GCC2	0	0.537028623353021	1	2.00E-04	NA	NA	0.0013	0
NM_015989	CSAD	0	0.537028623353021	1	2.00E-04	NA	NA	0.0013	0
NM_000667	ADH1A	0	0.537028623353021	1	2.00E-04	NA	NA	0.0013	0
NM_001466	FZD2	0.0458882326215357	0.582916855974557	1	2.00E-04	NA	NA	0.0013	0
NR_002779	NUDT9P1	0	0.537482962289868	1	2.00E-04	NA	NA	0.0013	0
NM_173666	DTWD2	0	0.537482962289868	1	2.00E-04	NA	NA	0.0013	0
NM_152570	LINGO2	0	0.537937301226715	1	2.00E-04	NA	NA	0.0013	0
NM_001281494	MSH6	0	0.538391640163562	1	2.00E-04	NA	NA	0.0013	0
NM_001127173	CADM3	0	0.54020899591095	1	2.00E-04	NA	NA	0.0013	0
NM_001164372	GPN3	0	0.54020899591095	1	2.00E-04	NA	NA	0.0013	0
NM_053067	UBQLN1	0	0.542935029532031	1	2.00E-04	NA	NA	0.0013	0
NM_013438	UBQLN1	0	0.542935029532031	1	2.00E-04	NA	NA	0.0013	0
NM_175075	TDRP	0	0.543843707405725	1	2.00E-04	NA	NA	0.0013	0
NM_198041	NUDT6	0	0.545206724216265	1	2.00E-04	NA	NA	0.0013	0
NR_037434	MIR3661	0	0.545661063153112	1	2.00E-04	NA	NA	0.0013	0
NR_024526	ARL6IP6	0	0.546115402089959	1	2.00E-04	NA	NA	0.0013	0
NM_152522	ARL6IP6	0	0.546115402089959	1	2.00E-04	NA	NA	0.0013	0
NM_175875	SIX5	0	0.5474784189005	1	2.00E-04	NA	NA	0.0013	0
NM_000188	HK1	0	0.547932757837347	1	2.00E-04	NA	NA	0.0013	0
NM_007144	PCGF2	0	0.547932757837347	1	2.00E-04	NA	NA	0.0013	0

NM_003010	MAP2K4	0	0.548387096774194	1	2.00E-04	NA	NA	0.0013	0
NM_001281435	MAP2K4	0	0.548387096774194	1	2.00E-04	NA	NA	0.0013	0
NM_001242534	MFSD11	0	0.54884143571104	1	2.00E-04	NA	NA	0.0013	0
NM_024504	PRDM14	0	0.549750113584734	1	2.00E-04	NA	NA	0.0013	0
NM_001134999	FERMT2	0	0.550204452521581	1	2.00E-04	NA	NA	0.0013	0
NM_006832	FERMT2	0	0.550204452521581	1	2.00E-04	NA	NA	0.0013	0
NM_001135000	FERMT2	0	0.550204452521581	1	2.00E-04	NA	NA	0.0013	0
NM_012183	FOXO3	0	0.550658791458428	1	2.00E-04	NA	NA	0.0013	0
NM_001198665	ARHGEF12	0	0.551567469332122	1	2.00E-04	NA	NA	0.0013	0
NM_015313	ARHGEF12	0	0.551567469332122	1	2.00E-04	NA	NA	0.0013	0
NM_015401	HDAC7	0	0.552021808268969	1	2.00E-04	NA	NA	0.0013	0
NM_001098416	HDAC7	0	0.552021808268969	1	2.00E-04	NA	NA	0.0013	0
NM_016655	GABPB1	0	0.552476147205816	1	2.00E-04	NA	NA	0.0013	0
NM_016654	GABPB1	0	0.552476147205816	1	2.00E-04	NA	NA	0.0013	0
NM_002041	GABPB1	0	0.552476147205816	1	2.00E-04	NA	NA	0.0013	0
NM_181427	GABPB1	0	0.552476147205816	1	2.00E-04	NA	NA	0.0013	0
NM_005254	GABPB1	0	0.552476147205816	1	2.00E-04	NA	NA	0.0013	0
NR_026891	FLJ10038	0	0.552476147205816	1	2.00E-04	NA	NA	0.0013	0
NM_002945	RPA1	0	0.552930486142662	1	2.00E-04	NA	NA	0.0013	0
NM_002959	SORT1	0	0.553384825079509	1	2.00E-04	NA	NA	0.0013	0
NM_020300	MGST1	0.0154475238527942	0.56928668786915	1	2.00E-04	NA	NA	0.0013	0
NM_001260511	MGST1	0.0154475238527942	0.56928668786915	1	2.00E-04	NA	NA	0.0013	0
NM_001260512	MGST1	0.0154475238527942	0.56928668786915	1	2.00E-04	NA	NA	0.0013	0
NM_001267598	MGST1	0.0154475238527942	0.56928668786915	1	2.00E-04	NA	NA	0.0013	0
NR_048545	MGST1	0.0154475238527942	0.56928668786915	1	2.00E-04	NA	NA	0.0013	0
NM_022366	TFB2M	0	0.553839164016356	1	2.00E-04	NA	NA	0.0013	0
NM_000358	TGFBI	0	0.555202180826897	1	2.00E-04	NA	NA	0.0013	0
NM_174932	BPIFC	0	0.555202180826897	1	2.00E-04	NA	NA	0.0013	0
NR_039825	MIR4678	0	0.556110858700591	1	2.00E-04	NA	NA	0.0013	0
NM_001130406	PRR20D	0	0.557928214447978	1	2.00E-04	NA	NA	0.0013	0
NM_014247	RAPGEF2	0	0.559291231258519	1	2.00E-04	NA	NA	0.0013	0
NM_014167	CCDC59	0	0.56065424806906	1	2.00E-04	NA	NA	0.0013	0
NM_145691	ATPAF2	0	0.56065424806906	1	2.00E-04	NA	NA	0.0013	0
NM_004625	WNT7A	0	0.5620172648796	1	2.00E-04	NA	NA	0.0013	0
NR_046217	ZRANB2-AS2	0	0.562471603816447	1	2.00E-04	NA	NA	0.0013	0
NM_001010844	IRAK1BP1	0	0.562925942753294	1	2.00E-04	NA	NA	0.0013	0
NM_052867	NALCN	0	0.564743298500682	1	2.00E-04	NA	NA	0.0013	0
NM_001136156	ZNF507	0	0.565651976374375	1	2.00E-04	NA	NA	0.0013	0
NM_014910	ZNF507	0	0.565651976374375	1	2.00E-04	NA	NA	0.0013	0
NR_039624	MIR4426	0	0.565651976374375	1	2.00E-04	NA	NA	0.0013	0
NM_018078	LARP1B	0	0.565651976374375	1	2.00E-04	NA	NA	0.0013	0
NM_032239	LARP1B	0	0.565651976374375	1	2.00E-04	NA	NA	0.0013	0
NM_178043	LARP1B	0	0.565651976374375	1	2.00E-04	NA	NA	0.0013	0
NM_001278604	LARP1B	0	0.565651976374375	1	2.00E-04	NA	NA	0.0013	0

NM_001145347	ZNF576	0	0.566106315311222	1	2.00E-04	NA	NA	0.0013	0
NM_024327	ZNF576	0	0.566106315311222	1	2.00E-04	NA	NA	0.0013	0
NR_024032	LINC00474	0	0.566106315311222	1	2.00E-04	NA	NA	0.0013	0
NM_013368	SERTAD3	0	0.566560654248069	1	2.00E-04	NA	NA	0.0013	0
NM_145791	MGST1	0	0.56928668786915	1	2.00E-04	NA	NA	0.0013	0
NR_048547	MGST1	0	0.56928668786915	1	2.00E-04	NA	NA	0.0013	0
NM_006662	SRCAP	0	0.56928668786915	1	4.00E-04	NA	NA	0.0029	1.00E-04
NM_023008	KRI1	0	0.56928668786915	1	2.00E-04	NA	NA	0.0013	0
NM_021926	ALX4	0	0.569741026805997	1	2.00E-04	NA	NA	0.0013	0
NM_003658	BARX2	0	0.570649704679691	1	2.00E-04	NA	NA	0.0013	0
NM_001144915	FGFR2	0	0.571104043616538	1	2.00E-04	NA	NA	0.0013	0
NM_021100	NFS1	0	0.571558382553385	1	2.00E-04	NA	NA	0.0013	0
NM_001198989	NFS1	0	0.571558382553385	1	2.00E-04	NA	NA	0.0013	0
NR_037570	NFS1	0	0.571558382553385	1	2.00E-04	NA	NA	0.0013	0
NM_198837	ACACA	0	0.572467060427079	1	2.00E-04	NA	NA	0.0013	0
NM_198838	ACACA	0	0.572467060427079	1	2.00E-04	NA	NA	0.0013	0
NR_033857	LOC100288974	0	0.576556110858701	1	2.00E-04	NA	NA	0.0013	0
NM_000922	PDE3B	0.0545206724216265	0.632894139027715	1	2.00E-04	NA	NA	0.0013	0
NM_182810	ATF4	0	0.578827805542935	1	2.00E-04	NA	NA	0.0013	0
NM_001675	ATF4	0	0.578827805542935	1	2.00E-04	NA	NA	0.0013	0
NM_003192	TBCC	0	0.578827805542935	1	2.00E-04	NA	NA	0.0013	0
NM_001128829	CA1	0	0.579736483416629	1	2.00E-04	NA	NA	0.0013	0
NM_001128831	CA1	0	0.579736483416629	1	2.00E-04	NA	NA	0.0013	0
NM_001738	CA1	0	0.579736483416629	1	2.00E-04	NA	NA	0.0013	0
NM_001128830	CA1	0	0.579736483416629	1	2.00E-04	NA	NA	0.0013	0
NR_033424	DNAJA1P5	0	0.581553839164016	1	2.00E-04	NA	NA	0.0013	0
NM_020368	UTP3	0	0.581553839164016	1	2.00E-04	NA	NA	0.0013	0
NR_026973	HLA-F-AS1	0	0.581553839164016	1	2.00E-04	NA	NA	0.0013	0
NR_026972	HLA-F-AS1	0	0.581553839164016	1	2.00E-04	NA	NA	0.0013	0
NM_002156	HSPD1	0	0.585642889595638	1	2.00E-04	NA	NA	0.0013	0
NM_015267	CUX2	0.0136301681054066	0.600181735574739	1	2.00E-04	NA	NA	0.0013	0
NM_080664	DTD2	0	0.58836892321672	1	2.00E-04	NA	NA	0.0013	0
NM_001040412	C9orf131	0	0.589277601090413	1	2.00E-04	NA	NA	0.0013	0
NM_001040411	C9orf131	0	0.589277601090413	1	2.00E-04	NA	NA	0.0013	0
NM_018269	ADI1	0	0.589277601090413	1	2.00E-04	NA	NA	0.0013	0
NM_152385	CLHC1	0	0.589277601090413	1	2.00E-04	NA	NA	0.0013	0
NM_001005195	OR8B12	0	0.590186278964107	1	2.00E-04	NA	NA	0.0013	0
NM_006716	DBF4	0	0.591094956837801	1	2.00E-04	NA	NA	0.0013	0
NM_001079514	UBN1	0	0.592003634711495	1	2.00E-04	NA	NA	0.0013	0
NM_014830	ZBTB39	0	0.592912312585189	1	2.00E-04	NA	NA	0.0013	0
NM_002448	MSX1	0	0.595184007269423	1	2.00E-04	NA	NA	0.0013	0
NM_004660	DDX3Y	0	0.597001363016811	0.9994	0.001	NA	NA	0.0054	2.00E-04
NM_003253	TIAM1	0	0.598818718764198	1	2.00E-04	NA	NA	0.0013	0
NM_014978	SORCS3	0	0.601999091322126	1	2.00E-04	NA	NA	0.0013	0

NM_004364	<i>CEBPA</i>	0	0.603816447069514	1	2.00E-04	NA	NA	0.0013	0
NM_012180	<i>FBXO8</i>	0	0.607451158564289	1	2.00E-04	NA	NA	0.0013	0
NM_022780	<i>RMND5A</i>	0	0.609268514311677	1	2.00E-04	NA	NA	0.0013	0
NM_182947	<i>ARHGEF25</i>	0	0.61017719218537	1	2.00E-04	NA	NA	0.0013	0
NR_046223	<i>ARHGEF25</i>	0	0.61017719218537	1	2.00E-04	NA	NA	0.0013	0
NR_103872	<i>RAD51C</i>	0	0.611994547932758	1	2.00E-04	NA	NA	0.0013	0
NM_058216	<i>RAD51C</i>	0	0.611994547932758	1	2.00E-04	NA	NA	0.0013	0
NR_103873	<i>RAD51C</i>	0	0.611994547932758	1	2.00E-04	NA	NA	0.0013	0
NM_002876	<i>RAD51C</i>	0	0.611994547932758	1	2.00E-04	NA	NA	0.0013	0
NM_020783	<i>SYT4</i>	0	0.612903225806452	1	2.00E-04	NA	NA	0.0013	0
NM_001693	<i>ATP6V1B2</i>	0	0.616992276238074	1	2.00E-04	NA	NA	0.0013	0
NM_001204269	<i>KCNA2</i>	0	0.617900954111767	1	2.00E-04	NA	NA	0.0013	0
NM_003910	<i>BUD31</i>	0	0.618355293048614	1	2.00E-04	NA	NA	0.0013	0
NM_007083	<i>NUDT6</i>	0	0.618355293048614	1	2.00E-04	NA	NA	0.0013	0
NM_001139510	<i>ECHDC1</i>	0	0.618809631985461	1	2.00E-04	NA	NA	0.0013	0
NM_001029865	<i>DBX1</i>	0	0.622444343480236	1	2.00E-04	NA	NA	0.0013	0
NM_004365	<i>CETN3</i>	0	0.624261699227624	1	2.00E-04	NA	NA	0.0013	0
NM_003081	<i>SNAP25</i>	0	0.626079054975011	1	2.00E-04	NA	NA	0.0013	0
NM_130811	<i>SNAP25</i>	0	0.626079054975011	1	2.00E-04	NA	NA	0.0013	0
NM_007276	<i>CBX3</i>	0	0.626987732848705	1	2.00E-04	NA	NA	0.0013	0
NM_024017	<i>HOXB9</i>	0	0.626987732848705	1	2.00E-04	NA	NA	0.0013	0
NM_152545	<i>RASGEF1B</i>	0	0.627442071785552	1	2.00E-04	NA	NA	0.0013	0
NM_001244698	<i>ZFP36L1</i>	0	0.627896410722399	1	2.00E-04	NA	NA	0.0013	0
NM_004926	<i>ZFP36L1</i>	0	0.627896410722399	1	2.00E-04	NA	NA	0.0013	0
NM_001038707	<i>CDC42SE1</i>	0	0.63062244434348	1	2.00E-04	NA	NA	0.0013	0
NM_020239	<i>CDC42SE1</i>	0	0.63062244434348	1	2.00E-04	NA	NA	0.0013	0
NM_170713	<i>RASSF1</i>	0	0.63062244434348	1	2.00E-04	NA	NA	0.0013	0
NM_001127648	<i>GABRA1</i>	0	0.633348477964562	1	2.00E-04	NA	NA	0.0013	0
NM_003933	<i>BAIAP3</i>	0	0.635620172648796	1	2.00E-04	NA	NA	0.0013	0
NM_002137	<i>HNRNPA2B1</i>	0	0.635620172648796	1	2.00E-04	NA	NA	0.0013	0
NM_031243	<i>HNRNPA2B1</i>	0	0.635620172648796	1	2.00E-04	NA	NA	0.0013	0
NM_015457	<i>ZDHHC5</i>	0	0.638800545206724	1	2.00E-04	NA	NA	0.0013	0
NM_000909	<i>NPY1R</i>	0	0.639254884143571	1	2.00E-04	NA	NA	0.0013	0
NM_018111	<i>C19orf73</i>	0	0.641526578827806	1	2.00E-04	NA	NA	0.0013	0
NR_045118	<i>KCNIP2-AS1</i>	0	0.647887323943662	1	2.00E-04	NA	NA	0.0013	0
NR_024398	<i>ZBED3-AS1</i>	0	0.648796001817356	1	2.00E-04	NA	NA	0.0013	0
NM_001754	<i>RUNX1</i>	0	0.649250340754203	1	2.00E-04	NA	NA	0.0013	0
NM_016076	<i>DES12</i>	0	0.650159018627896	1	2.00E-04	NA	NA	0.0013	0
NM_014360	<i>NKX2-8</i>	0	0.659700136301681	1	2.00E-04	NA	NA	0.0013	0
NM_001242532	<i>MFSD11</i>	0	0.661971830985915	1	2.00E-04	NA	NA	0.0013	0
NM_001242537	<i>MFSD11</i>	0	0.661971830985915	1	2.00E-04	NA	NA	0.0013	0
NM_001242535	<i>MFSD11</i>	0	0.661971830985915	1	2.00E-04	NA	NA	0.0013	0
NM_001242533	<i>MFSD11</i>	0	0.661971830985915	1	2.00E-04	NA	NA	0.0013	0
NM_001242536	<i>MFSD11</i>	0	0.661971830985915	1	2.00E-04	NA	NA	0.0013	0



NM_024311	<i>MFSD11</i>	0	0.661971830985915	1	2.00E-04	NA	NA	0.0013	0
NM_020386	<i>HRASLS</i>	0	0.663789186733303	1	2.00E-04	NA	NA	0.0013	0
NR_024623	<i>C21orf49</i>	0	0.668786915038619	1	2.00E-04	NA	NA	0.0013	0
NR_024622	<i>C21orf49</i>	0	0.668786915038619	1	2.00E-04	NA	NA	0.0013	0
NM_001164373	<i>GPN3</i>	0	0.671058609722853	1	2.00E-04	NA	NA	0.0013	0
NM_016301	<i>GPN3</i>	0	0.671058609722853	1	2.00E-04	NA	NA	0.0013	0
NM_194448	<i>CLEC4A</i>	0	0.672421626533394	1	2.00E-04	NA	NA	0.0013	0
NM_194447	<i>CLEC4A</i>	0	0.672421626533394	1	2.00E-04	NA	NA	0.0013	0
NM_194450	<i>CLEC4A</i>	0	0.672421626533394	1	2.00E-04	NA	NA	0.0013	0
NM_016184	<i>CLEC4A</i>	0	0.672421626533394	1	2.00E-04	NA	NA	0.0013	0
NM_020319	<i>ANKMY2</i>	0	0.678328032712403	1	2.00E-04	NA	NA	0.0013	0
NM_003385	<i>VSNL1</i>	0	0.680599727396638	1	2.00E-04	NA	NA	0.0013	0
NM_181619	<i>KRTAP21-1</i>	0	0.680599727396638	1	2.00E-04	NA	NA	0.0013	0
NM_001184898	<i>PHF8</i>	0	0.688777828259882	1	2.00E-04	NA	NA	0.0013	0
NM_012177	<i>FBXO5</i>	0	0.701953657428442	1	2.00E-04	NA	NA	0.0013	0
NM_001190470	<i>MTRNR2L2</i>	0	0.708314402544298	1	2.00E-04	NA	NA	0.0013	0
NR_029378	<i>LOC100289511</i>	0	0.714675147660154	1	2.00E-04	NA	NA	0.0013	0
NM_005575	<i>LNPEP</i>	0	0.723307587460245	1	2.00E-04	NA	NA	0.0013	0
NM_001242946	<i>EPDR1</i>	0	0.728305315765561	1	2.00E-04	NA	NA	0.0013	0
NM_017549	<i>EPDR1</i>	0	0.728305315765561	1	2.00E-04	NA	NA	0.0013	0
NM_001142704	<i>FAM111B</i>	0	0.74738755111313	1	2.00E-04	NA	NA	0.0013	0
NM_001142703	<i>FAM111B</i>	0	0.74738755111313	1	2.00E-04	NA	NA	0.0013	0
NM_198947	<i>FAM111B</i>	0	0.74738755111313	1	2.00E-04	NA	NA	0.0013	0
NM_001134876	<i>C14orf80</i>	0	0.756019990913221	1	2.00E-04	NA	NA	0.0013	0
NM_001134875	<i>C14orf80</i>	0	0.756019990913221	1	2.00E-04	NA	NA	0.0013	0
NM_152697	<i>SLC44A5</i>	0	0.758291685597456	1	2.00E-04	NA	NA	0.0013	0
NM_001130058	<i>SLC44A5</i>	0	0.758291685597456	1	2.00E-04	NA	NA	0.0013	0
NM_001161657	<i>MYB</i>	0	0.769650159018628	1	2.00E-04	NA	NA	0.0013	0
NM_005375	<i>MYB</i>	0	0.769650159018628	1	2.00E-04	NA	NA	0.0013	0
NM_001130172	<i>MYB</i>	0	0.769650159018628	1	2.00E-04	NA	NA	0.0013	0
NM_001130173	<i>MYB</i>	0	0.769650159018628	1	2.00E-04	NA	NA	0.0013	0
NM_001161660	<i>MYB</i>	0	0.769650159018628	1	2.00E-04	NA	NA	0.0013	0
NM_001161659	<i>MYB</i>	0	0.769650159018628	1	2.00E-04	NA	NA	0.0013	0
NM_001161656	<i>MYB</i>	0	0.769650159018628	1	2.00E-04	NA	NA	0.0013	0
NM_001161658	<i>MYB</i>	0	0.769650159018628	1	2.00E-04	NA	NA	0.0013	0
NM_007217	<i>PDCD10</i>	0	0.776465243071331	1	2.00E-04	NA	NA	0.0013	0
NM_017533	<i>MYH4</i>	0	0.785552021808269	1	2.00E-04	NA	NA	0.0013	0
NM_145859	<i>PDCD10</i>	0	0.789641072239891	1	2.00E-04	NA	NA	0.0013	0
NM_145860	<i>PDCD10</i>	0	0.789641072239891	1	2.00E-04	NA	NA	0.0013	0
NM_001273	<i>CHD4</i>	0	0.792367105860972	1	2.00E-04	NA	NA	0.0013	0
NM_007207	<i>DUSP10</i>	0	0.798273512039982	1	2.00E-04	NA	NA	0.0013	0
NM_144729	<i>DUSP10</i>	0	0.798273512039982	1	2.00E-04	NA	NA	0.0013	0
NR_001281	<i>PCDHB18</i>	0	0.805997273966379	1	2.00E-04	NA	NA	0.0013	0
NM_024089	<i>KDEL1</i>	0	0.824170831440254	1	2.00E-04	NA	NA	0.0013	0

NR_027439	<i>LOC100272216</i>	0	0.851431167651068	1	2.00E-04	NA	NA	0.0013	0
NM_002840	<i>PTPRF</i>	0	0.852339845524761	1	2.00E-04	NA	NA	0.0013	0
NM_130440	<i>PTPRF</i>	0	0.852339845524761	1	2.00E-04	NA	NA	0.0013	0
NM_017892	<i>PRPF40A</i>	0	0.852339845524761	1	2.00E-04	NA	NA	0.0013	0
NR_033981	<i>FLJ27354</i>	0	0.879145842798728	1	2.00E-04	NA	NA	0.0013	0
NM_182594	<i>ZNF454</i>	0	0.90368014538846	1	2.00E-04	NA	NA	0.0013	0
NM_001178090	<i>ZNF454</i>	0	0.90368014538846	1	2.00E-04	NA	NA	0.0013	0
NM_001178089	<i>ZNF454</i>	0	0.90368014538846	1	2.00E-04	NA	NA	0.0013	0
NM_002922	<i>RGS1</i>	0	0.915038618809632	1	2.00E-04	NA	NA	0.0013	0
NM_015965	<i>NDUFA13</i>	0	0.970013630168105	1	2.00E-04	NA	NA	0.0013	0
NM_178311	<i>GGTLC1</i>	0	1	1	2.00E-04	NA	NA	0.0013	0

Table S3: Methylation data showing differential methylated transcripts between lean/overweight and obese subjects in SAT samples expressed by a ratio of hyper- and hypo-methylation per promoter. fdr/FDR= false discovery rate.

Supplementary Table 4

**Methylation in OVAT non-obese vs. obese**

Transcript	GeneName	vis_in_obese	vis_in_non-obese	p_value_in_obese	p_value_in_non-obese	fdr_in_obese	Fdr_in_obese	fdr_in_non-obese	Fdr_in_non-obese
NM_001099338	<i>NUTM2A</i>	1	0	2.00E-04	1	0.0015	0	NA	NA
NR_000016	<i>SNORD36C</i>	0.942298955020445	0	2.00E-04	1	0.0015	0	NA	NA
NR_002448	<i>SNORD36A</i>	0.82916855974557	0	2.00E-04	1	0.0015	0	NA	NA
NM_001145672	<i>SORBS2</i>	0.819173103	0	2.00E-04	1	0.0015	0	NA	NA
NM_001145671	<i>SORBS2</i>	0.819173103134939	0	2.00E-04	1	0.0015	0	NA	NA
NM_022359	<i>PDE4DIP</i>	0.811903680145388	0	2.00E-04	1	0.0015	0	NA	NA
NR_027279	<i>USP17L6P</i>	0.797819173103135	0	0.006	0.9968	0.0655	0.0011	NA	NA
NM_005042	<i>PRH2</i>	0.761017719218537	0	2.00E-04	1	0.0015	0	NA	NA
NM_001110213	<i>PRH2</i>	0.76056338028169	0	2.00E-04	1	0.0015	0	NA	NA
NM_001242329	<i>USP17L5</i>	0.759200363471149	0	0.0946	0.9036	1	0.0171	NA	NA
NM_020987	<i>ANK3</i>	0.757837346660609	0	2.00E-04	1	0.0015	0	NA	NA
NR_003506	<i>PLGLA</i>	0.749204906860518	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256855	<i>USP17L13</i>	0.748296228986824	0	0.045	0.9598	0.42	0.0083	NA	NA
NM_001099692	<i>EIF5AL1</i>	0.74738755111313	0	2.00E-04	1	0.0015	0	NA	NA
NM_001232	<i>CASQ2</i>	0.74602453430259	0	2.00E-04	1	0.0015	0	NA	NA
NM_006182	<i>DDR2</i>	0.728759654702408	0	2.00E-04	1	0.0015	0	NA	NA
NM_001014796	<i>DDR2</i>	0.728759654702408	0	2.00E-04	1	0.0015	0	NA	NA
NM_001004694	<i>OR2T29</i>	0.722853248523398	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256873	<i>USP17L1P</i>	0.722398909586552	0	2.00E-04	1	0.0015	0	NA	NA
NR_027151	<i>PRR26</i>	0.716038164470695	0	2.00E-04	1	0.0015	0	NA	NA
NM_145312	<i>ZNF485</i>	0.714675147660154	0	2.00E-04	1	0.0015	0	NA	NA
NM_005708	<i>GPC6</i>	0.755565651976374	0.0481599273057701	2.00E-04	1	0.0015	0	NA	NA
NM_001253875	<i>UXS1</i>	0.70649704679691	0	2.00E-04	1	0.0015	0	NA	NA
NR_045607	<i>UXS1</i>	0.70649704679691	0	2.00E-04	1	0.0015	0	NA	NA
NM_025076	<i>UXS1</i>	0.70649704679691	0	2.00E-04	1	0.0015	0	NA	NA
NM_002665	<i>PLGLB2</i>	0.701953657428442	0	2.00E-04	1	0.0015	0	NA	NA
NM_001032392	<i>PLGLB1</i>	0.701953657428442	0	2.00E-04	1	0.0015	0	NA	NA
NM_198989	<i>DLEU7</i>	0.692412539754657	0	2.00E-04	1	0.0015	0	NA	NA
NM_014801	<i>PCNXL2</i>	0.690140845070423	0	2.00E-04	1	0.0015	0	NA	NA
NM_004010	<i>DMD</i>	0.689686506133576	0	2.00E-04	1	0.0015	0	NA	NA
NM_004009	<i>DMD</i>	0.689232167196729	0	2.00E-04	1	0.0015	0	NA	NA
NM_133637	<i>DQX1</i>	0.686506133575647	0	2.00E-04	1	0.0015	0	NA	NA
NM_001168359	<i>TDRD6</i>	0.679691049522944	0	2.00E-04	1	0.0015	0	NA	NA
NM_001010870	<i>TDRD6</i>	0.679691049522944	0	2.00E-04	1	0.0015	0	NA	NA
NM_001145014	<i>RFPL4A</i>	0.669695592912313	0	2.00E-04	1	0.0015	0	NA	NA
NM_002864	<i>PZP</i>	0.668332576101772	0	2.00E-04	1	0.0015	0	NA	NA
NM_001197220	<i>PDE4D</i>	0.668332576101772	0	2.00E-04	1	0.0015	0	NA	NA
NR_003558	<i>WBP11P1</i>	0.667423898228078	0	2.00E-04	1	0.0015	0	NA	NA
NM_000396	<i>CTSK</i>	0.665606542480691	0	2.00E-04	1	0.0015	0	NA	NA
NM_001278495	<i>NUTM2B</i>	0.665152203543844	0	2.00E-04	1	0.0015	0	NA	NA
NR_000017	<i>SNORD36B</i>	0.664697864606997	0	2.00E-04	1	0.0015	0	NA	NA
NM_001080477	<i>TENM3</i>	0.66424352567015	0	2.00E-04	1	0.0015	0	NA	NA
NR_003010	<i>SCARNA12</i>	0.661517492049069	0	2.00E-04	1	0.0015	0	NA	NA

NM_000773	<i>CYP2E1</i>	0.659700136301681	0	2.00E-04	1	0.0015	0	NA	NA
NR_027152	<i>PRR26</i>	0.657428441617447	0	2.00E-04	1	0.0015	0	NA	NA
NR_028399	<i>TSNAX-DISC1</i>	0.656065424806906	0	2.00E-04	1	0.0015	0	NA	NA
NR_028394	<i>TSNAX-DISC1</i>	0.656065424806906	0	2.00E-04	1	0.0015	0	NA	NA
NR_028393	<i>TSNAX-DISC1</i>	0.656065424806906	0	2.00E-04	1	0.0015	0	NA	NA
NR_028400	<i>TSNAX-DISC1</i>	0.656065424806906	0	2.00E-04	1	0.0015	0	NA	NA
NR_028396	<i>TSNAX-DISC1</i>	0.656065424806906	0	2.00E-04	1	0.0015	0	NA	NA
NR_028395	<i>TSNAX-DISC1</i>	0.656065424806906	0	2.00E-04	1	0.0015	0	NA	NA
NR_028398	<i>TSNAX-DISC1</i>	0.656065424806906	0	2.00E-04	1	0.0015	0	NA	NA
NR_028397	<i>TSNAX-DISC1</i>	0.656065424806906	0	2.00E-04	1	0.0015	0	NA	NA
NM_005999	<i>TSNAX</i>	0.656065424806906	0	2.00E-04	1	0.0015	0	NA	NA
NM_001160174	<i>NAT1</i>	0.656065424806906	0	2.00E-04	1	0.0015	0	NA	NA
NR_103466	<i>NBPF13P</i>	0.655156746933212	0	2.00E-04	1	0.0015	0	NA	NA
NM_001164347	<i>ZBTB20</i>	0.653339391185825	0	2.00E-04	1	0.0015	0	NA	NA
NM_144631	<i>ZNF513</i>	0.650613357564743	0	2.00E-04	1	0.0015	0	NA	NA
NM_001099435	<i>SPDYE5</i>	0.64970467969105	0	2.00E-04	1	0.0015	0	NA	NA
NM_001258211	<i>FBXO16</i>	0.647887323943662	0	2.00E-04	1	0.0015	0	NA	NA
NM_172366	<i>FBXO16</i>	0.647887323943662	0	2.00E-04	1	0.0015	0	NA	NA
NM_001166393	<i>MTUS1</i>	0.647432985006815	0	2.00E-04	1	0.0015	0	NA	NA
NM_001001931	<i>MTUS1</i>	0.647432985006815	0	2.00E-04	1	0.0015	0	NA	NA
NM_001163677	<i>KCNMB3</i>	0.646978646069968	0	2.00E-04	1	0.0015	0	NA	NA
NM_171828	<i>KCNMB3</i>	0.646978646069968	0	2.00E-04	1	0.0015	0	NA	NA
NM_000301	<i>PLG</i>	0.636074511585643	0	2.00E-04	1	0.0015	0	NA	NA
NM_001168338	<i>PLG</i>	0.636074511585643	0	2.00E-04	1	0.0015	0	NA	NA
NM_001009894	<i>C12orf29</i>	0.633348477964562	0	2.00E-04	1	0.0015	0	NA	NA
NM_005086	<i>SSPN</i>	0.630168105406633	0	2.00E-04	1	0.0015	0	NA	NA
NM_016609	<i>SLC22A17</i>	0.629713766469786	0	2.00E-04	1	0.0015	0	NA	NA
NR_033942	<i>ARHGEF34P</i>	0.624261699227624	0	2.00E-04	1	0.0015	0	NA	NA
NM_000390	<i>CHM</i>	0.621535665606542	0	2.00E-04	1	0.0015	0	NA	NA
NM_001145414	<i>CHM</i>	0.621535665606542	0	2.00E-04	1	0.0015	0	NA	NA
NM_001284353	<i>KIAA1324</i>	0.618809631985461	0	2.00E-04	1	0.0015	0	NA	NA
NR_049774	<i>KIAA1324</i>	0.618809631985461	0	2.00E-04	1	0.0015	0	NA	NA
NM_012184	<i>FOXD4L1</i>	0.617900954111767	0	2.00E-04	1	0.0015	0	NA	NA
NM_015025	<i>MYT1L</i>	0.617900954111767	0	2.00E-04	1	0.0015	0	NA	NA
NR_002575	<i>SNORA27</i>	0.61608359836438	0	2.00E-04	1	0.0015	0	NA	NA
NM_020769	<i>RGAG1</i>	0.611540208995911	0	2.00E-04	1	0.0015	0	NA	NA
NR_037480	<i>MIR3916</i>	0.610631531122217	0	2.00E-04	1	0.0015	0	NA	NA
NM_133486	<i>MBNL3</i>	0.60881417537483	0	2.00E-04	1	0.0015	0	NA	NA
NM_018388	<i>MBNL3</i>	0.60881417537483	0	2.00E-04	1	0.0015	0	NA	NA
NM_001258239	<i>TMEM218</i>	0.607905497501136	0	2.00E-04	1	0.0015	0	NA	NA
NM_001258238	<i>TMEM218</i>	0.607905497501136	0	2.00E-04	1	0.0015	0	NA	NA
NM_001258241	<i>TMEM218</i>	0.607905497501136	0	2.00E-04	1	0.0015	0	NA	NA
NM_001258240	<i>TMEM218</i>	0.607905497501136	0	2.00E-04	1	0.0015	0	NA	NA
NR_047587	<i>TMEM218</i>	0.607905497501136	0	2.00E-04	1	0.0015	0	NA	NA
NR_047586	<i>TMEM218</i>	0.607905497501136	0	2.00E-04	1	0.0015	0	NA	NA
NM_001261419	<i>IL1R2</i>	0.605179463880055	0	2.00E-04	1	0.0015	0	NA	NA
NM_004633	<i>IL1R2</i>	0.605179463880055	0	2.00E-04	1	0.0015	0	NA	NA

NM_181491	MED22	0.602453430258973	0	2.00E-04	1	0.0015	0	NA	NA
NM_133640	MED22	0.602453430258973	0	2.00E-04	1	0.0015	0	NA	NA
NM_006403	NEDD9	0.601090413448433	0	2.00E-04	1	0.0015	0	NA	NA
NM_182966	NEDD9	0.601090413448433	0	2.00E-04	1	0.0015	0	NA	NA
NM_001271033	NEDD9	0.601090413448433	0	2.00E-04	1	0.0015	0	NA	NA
NM_207305	FOXD4	0.601090413448433	0	2.00E-04	1	0.0015	0	NA	NA
NM_000715	C4BPA	0.598364379827351	0	2.00E-04	1	0.0015	0	NA	NA
NM_001167579	SLC34A1	0.597455701953657	0	2.00E-04	1	0.0015	0	NA	NA
NM_003052	SLC34A1	0.597455701953657	0	2.00E-04	1	0.0015	0	NA	NA
NM_020185	DUSP22	0.596547024079964	0	2.00E-04	1	0.0015	0	NA	NA
NM_001159642	BNIPL	0.594729668332576	0	2.00E-04	1	0.0015	0	NA	NA
NM_138278	BNIPL	0.594729668332576	0	2.00E-04	1	0.0015	0	NA	NA
NM_020130	C8orf4	0.593366651522035	0	2.00E-04	1	0.0015	0	NA	NA
NM_003915	CPNE1	0.593366651522035	0	2.00E-04	1	0.0015	0	NA	NA
NM_001135823	SSPN	0.592457973648342	0	2.00E-04	1	0.0015	0	NA	NA
NM_198503	KCNT2	0.588823262153567	0	2.00E-04	1	0.0015	0	NA	NA
NM_032279	ATP13A4	0.58836892321672	0	2.00E-04	1	0.0015	0	NA	NA
NM_170610	HIST1H2BA	0.586097228532485	0	2.00E-04	1	0.0015	0	NA	NA
NM_001004754	OR5112	0.583371194911404	0	2.00E-04	1	0.0015	0	NA	NA
NR_015358	LINC00643	0.583371194911404	0	2.00E-04	1	0.0015	0	NA	NA
NM_001258244	TMEM218	0.582916855974557	0	2.00E-04	1	0.0015	0	NA	NA
NM_001080546	TMEM218	0.582916855974557	0	2.00E-04	1	0.0015	0	NA	NA
NM_001258242	TMEM218	0.582916855974557	0	2.00E-04	1	0.0015	0	NA	NA
NM_001258247	TMEM218	0.582916855974557	0	2.00E-04	1	0.0015	0	NA	NA
NM_001258246	TMEM218	0.582916855974557	0	2.00E-04	1	0.0015	0	NA	NA
NM_001258245	TMEM218	0.582916855974557	0	2.00E-04	1	0.0015	0	NA	NA
NM_001258243	TMEM218	0.582916855974557	0	2.00E-04	1	0.0015	0	NA	NA
NR_047592	TMEM218	0.582916855974557	0	2.00E-04	1	0.0015	0	NA	NA
NR_047591	TMEM218	0.582916855974557	0	2.00E-04	1	0.0015	0	NA	NA
NR_047590	TMEM218	0.582916855974557	0	2.00E-04	1	0.0015	0	NA	NA
NR_047589	TMEM218	0.582916855974557	0	2.00E-04	1	0.0015	0	NA	NA
NR_047588	TMEM218	0.582916855974557	0	2.00E-04	1	0.0015	0	NA	NA
NM_006399	BATF	0.579282144479782	0	2.00E-04	1	0.0015	0	NA	NA
NM_001198834	PDE4DIP	0.578373466606088	0	2.00E-04	1	0.0015	0	NA	NA
NM_014644	PDE4DIP	0.578373466606088	0	2.00E-04	1	0.0015	0	NA	NA
NM_001002812	PDE4DIP	0.578373466606088	0	2.00E-04	1	0.0015	0	NA	NA
NM_001195261	PDE4DIP	0.578373466606088	0	2.00E-04	1	0.0015	0	NA	NA
NM_001002810	PDE4DIP	0.578373466606088	0	2.00E-04	1	0.0015	0	NA	NA
NM_175064	SPDYE1	0.576556110858701	0	2.00E-04	1	0.0015	0	NA	NA
NM_006493	CLN5	0.576101771921854	0	2.00E-04	1	0.0015	0	NA	NA
NM_138960	TGIF2LX	0.576101771921854	0	2.00E-04	1	0.0015	0	NA	NA
NM_178168	OR10A5	0.574738755111313	0	2.00E-04	1	0.0015	0	NA	NA
NM_152536	FGD5	0.573375738300772	0	2.00E-04	1	0.0015	0	NA	NA
NM_002187	IL12B	0.572921399363925	0	2.00E-04	1	0.0015	0	NA	NA
NM_001243723	SETMAR	0.571104043616538	0	2.00E-04	1	0.0015	0	NA	NA
NM_006515	SETMAR	0.571104043616538	0	2.00E-04	1	0.0015	0	NA	NA
NM_001276325	SETMAR	0.571104043616538	0	2.00E-04	1	0.0015	0	NA	NA

NR_075073	SETMAR	0.571104043616538	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282786	PRTFDC1	0.571104043616538	0	2.00E-04	1	0.0015	0	NA	NA
NM_020200	PRTFDC1	0.571104043616538	0	2.00E-04	1	0.0015	0	NA	NA
NM_144575	CAPN13	0.595184007269423	0.0240799636528851	2.00E-04	1	0.0015	0	NA	NA
NM_001004759	OR51T1	0.63062244434348	0.0599727396637892	2.00E-04	1	0.0015	0	NA	NA
NM_001166035	SBSN	0.570195365742844	0	2.00E-04	1	0.0015	0	NA	NA
NM_001166034	SBSN	0.570195365742844	0	2.00E-04	1	0.0015	0	NA	NA
NM_198538	SBSN	0.570195365742844	0	2.00E-04	1	0.0015	0	NA	NA
NM_014864	FAM20B	0.568832348932303	0	2.00E-04	1	0.0015	0	NA	NA
NM_001001821	OR2T34	0.568378009995457	0	2.00E-04	1	0.0015	0	NA	NA
NM_001243704	ZBTB14	0.56792367105861	0	2.00E-04	1	0.0015	0	NA	NA
NM_004371	COPA	0.566560654248069	0	2.00E-04	1	0.0015	0	NA	NA
NM_001098398	COPA	0.566560654248069	0	2.00E-04	1	0.0015	0	NA	NA
NM_182913	SYNE2	0.565651976374375	0	2.00E-04	1	0.0015	0	NA	NA
NM_001040283	DMRTC2	0.565651976374375	0	2.00E-04	1	0.0015	0	NA	NA
NM_017803	DUS2	0.564743298500682	0	2.00E-04	1	0.0015	0	NA	NA
NM_001271762	DUS2	0.564743298500682	0	2.00E-04	1	0.0015	0	NA	NA
NM_001271763	DUS2	0.564743298500682	0	2.00E-04	1	0.0015	0	NA	NA
NM_001122961	C1orf194	0.639254884143571	0.0745115856428896	2.00E-04	1	0.0015	0	NA	NA
NM_173506	LYPD4	0.56065424806906	0	2.00E-04	1	0.0015	0	NA	NA
NM_005330	HBE1	0.559745570195366	0	2.00E-04	1	0.0015	0	NA	NA
NM_004426	PHC1	0.557019536574284	0	2.00E-04	1	0.0015	0	NA	NA
NR_046449	LOC374443	0.557019536574284	0	2.00E-04	1	0.0015	0	NA	NA
NR_036209	MIR4324	0.556565197637438	0	2.00E-04	1	0.0015	0	NA	NA
NM_006898	HOXD3	0.555202180826897	0	2.00E-04	1	0.0015	0	NA	NA
NM_006273	CCL7	0.552930486142662	0	2.00E-04	1	0.0015	0	NA	NA
NM_001130417	SLC8A3	0.548387096774194	0	2.00E-04	1	0.0015	0	NA	NA
NM_182936	SLC8A3	0.548387096774194	0	2.00E-04	1	0.0015	0	NA	NA
NM_006572	GNA13	0.548387096774194	0	2.00E-04	1	0.0015	0	NA	NA
NM_001177704	FREM1	0.5474784189005	0	2.00E-04	1	0.0015	0	NA	NA
NM_032960	MAPKAPK2	0.543843707405725	0	2.00E-04	1	0.0015	0	NA	NA
NM_004759	MAPKAPK2	0.543843707405725	0	2.00E-04	1	0.0015	0	NA	NA
NR_003135	CEP170P1	0.543843707405725	0	2.00E-04	1	0.0015	0	NA	NA
NM_001201459	ZNF513	0.631531122217174	0.08905043162199	2.00E-04	1	0.0015	0	NA	NA
NM_001128834	PLP1	0.542026351658337	0	2.00E-04	1	0.0015	0	NA	NA
NM_020372	SLC22A17	0.540663334847796	0	2.00E-04	1	0.0015	0	NA	NA
NM_006641	CCR9	0.54020899591095	0	2.00E-04	1	0.0015	0	NA	NA
NM_031200	CCR9	0.54020899591095	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256369	CCR9	0.54020899591095	0	2.00E-04	1	0.0015	0	NA	NA
NM_020154	EMC7	0.539300318037256	0	2.00E-04	1	0.0015	0	NA	NA
NM_001135953	GKAP1	0.539300318037256	0	2.00E-04	1	0.0015	0	NA	NA
NM_025211	GKAP1	0.539300318037256	0	2.00E-04	1	0.0015	0	NA	NA
NR_015407	LOC339535	0.538845979100409	0	2.00E-04	1	0.0015	0	NA	NA
NM_018404	ADAP2	0.537937301226715	0	2.00E-04	1	0.0015	0	NA	NA
NM_152622	MIER3	0.537937301226715	0	2.00E-04	1	0.0015	0	NA	NA
NM_006820	IFI44L	0.537482962289868	0	2.00E-04	1	0.0015	0	NA	NA
NR_037647	FOXRED1	0.537482962289868	0	2.00E-04	1	0.0015	0	NA	NA

NM_017547	FOXRED1	0.537482962289868	0	2.00E-04	1	0.0015	0	NA	NA
NM_005850	SF3B4	0.537482962289868	0	2.00E-04	1	0.0015	0	NA	NA
NR_046365	FAM90A27P	0.536119945479328	0	2.00E-04	1	0.0015	0	NA	NA
NM_000140	FECH	0.53430258973194	0	2.00E-04	1	0.0015	0	NA	NA
NM_001012515	FECH	0.53430258973194	0	2.00E-04	1	0.0015	0	NA	NA
NM_000488	SERPINC1	0.532939572921399	0	2.00E-04	1	0.0015	0	NA	NA
NR_103537	FAM87A	0.531122217174012	0	2.00E-04	1	0.0015	0	NA	NA
NR_003928	CHIAP2	0.530667878237165	0	2.00E-04	1	0.0015	0	NA	NA
NM_024751	GSTCD	0.529759200363471	0	2.00E-04	1	0.0015	0	NA	NA
NR_027068	EFCAB10	0.526578827805543	0	2.00E-04	1	0.0015	0	NA	NA
NM_014483	RBMS3	0.525670149931849	0	2.00E-04	1	0.0015	0	NA	NA
NM_001177712	RBMS3	0.525670149931849	0	2.00E-04	1	0.0015	0	NA	NA
NM_001177711	RBMS3	0.525670149931849	0	2.00E-04	1	0.0015	0	NA	NA
NM_001003792	RBMS3	0.525670149931849	0	2.00E-04	1	0.0015	0	NA	NA
NM_001003793	RBMS3	0.525670149931849	0	2.00E-04	1	0.0015	0	NA	NA
NM_001244950	SPOCK2	0.525670149931849	0	2.00E-04	1	0.0015	0	NA	NA
NM_014767	SPOCK2	0.525670149931849	0	2.00E-04	1	0.0015	0	NA	NA
NM_001134434	SPOCK2	0.525670149931849	0	2.00E-04	1	0.0015	0	NA	NA
NM_024410	ODF1	0.523852794184462	0	2.00E-04	1	0.0015	0	NA	NA
NM_031900	AGXT2	0.523398455247615	0	2.00E-04	1	0.0015	0	NA	NA
NM_001010940	C9orf135	0.522944116310768	0	2.00E-04	1	0.0015	0	NA	NA
NM_000601	HGF	0.518400726942299	0	2.00E-04	1	0.0015	0	NA	NA
NM_001010933	HGF	0.518400726942299	0	2.00E-04	1	0.0015	0	NA	NA
NM_001010931	HGF	0.518400726942299	0	2.00E-04	1	0.0015	0	NA	NA
NM_001010934	HGF	0.518400726942299	0	2.00E-04	1	0.0015	0	NA	NA
NM_001010932	HGF	0.518400726942299	0	2.00E-04	1	0.0015	0	NA	NA
NM_001639	APCS	0.517037710131758	0	2.00E-04	1	0.0015	0	NA	NA
NM_030958	SLCO5A1	0.517037710131758	0	2.00E-04	1	0.0015	0	NA	NA
NM_001005187	ORGT1	0.516129032258065	0	2.00E-04	1	0.0015	0	NA	NA
NM_080387	CLEC4D	0.514766015447524	0	2.00E-04	1	0.0015	0	NA	NA
NM_005450	NOG	0.514311676510677	0	2.00E-04	1	0.0015	0	NA	NA
NM_001167676	FAM229A	0.511585642889596	0	2.00E-04	1	0.0015	0	NA	NA
NR_103538	C6orf100	0.511131303952749	0	2.00E-04	1	0.0015	0	NA	NA
NM_001242618	NXT2	0.508859609268514	0	2.00E-04	1	0.0015	0	NA	NA
NM_052939	FCRL3	0.507950931394821	0	2.00E-04	1	0.0015	0	NA	NA
NM_080610	CST9L	0.507496592457974	0	2.00E-04	1	0.0015	0	NA	NA
NM_171829	KCNMB3	0.507496592457974	0	2.00E-04	1	0.0015	0	NA	NA
NR_028135	KCNMB3	0.507496592457974	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256293	KRT8	0.505679236710586	0	2.00E-04	1	0.0015	0	NA	NA
NR_045962	KRT8	0.505679236710586	0	2.00E-04	1	0.0015	0	NA	NA
NR_073494	LOC100130075	0.505224897773739	0	2.00E-04	1	0.0015	0	NA	NA
NM_001267536	GOLGA6L4	0.504316219900045	0	2.00E-04	1	0.0015	0	NA	NA
NM_001271014	KTN1	0.503861880963199	0	2.00E-04	1	0.0015	0	NA	NA
NM_001079521	KTN1	0.503861880963199	0	2.00E-04	1	0.0015	0	NA	NA
NM_004986	KTN1	0.503861880963199	0	2.00E-04	1	0.0015	0	NA	NA
NM_001079522	KTN1	0.503861880963199	0	2.00E-04	1	0.0015	0	NA	NA
NR_073129	KTN1	0.503861880963199	0	2.00E-04	1	0.0015	0	NA	NA

NR_073128	<i>KTN1</i>	0.503861880963199	0	2.00E-04	1	0.0015	0	NA	NA
NR_003671	<i>LOC728024</i>	0.502498864152658	0	2.00E-04	1	0.0015	0	NA	NA
NM_001164464	<i>TRIM43B</i>	0.502044525215811	0	2.00E-04	1	0.0015	0	NA	NA
NM_0014446	<i>FABP7</i>	0.50068150840527	0	2.00E-04	1	0.0015	0	NA	NA
NM_001243081	<i>ELF5</i>	0.50068150840527	0	2.00E-04	1	0.0015	0	NA	NA
NM_198381	<i>ELF5</i>	0.50068150840527	0	2.00E-04	1	0.0015	0	NA	NA
NM_001007026	<i>ATN1</i>	0.500227169468423	0	2.00E-04	1	0.0015	0	NA	NA
NM_148898	<i>FOXP2</i>	0.499772830531577	0	2.00E-04	1	0.0015	0	NA	NA
NM_148900	<i>FOXP2</i>	0.499772830531577	0	2.00E-04	1	0.0015	0	NA	NA
NR_033767	<i>FOXP2</i>	0.499772830531577	0	2.00E-04	1	0.0015	0	NA	NA
NM_001172766	<i>FOXP2</i>	0.499772830531577	0	2.00E-04	1	0.0015	0	NA	NA
NM_014491	<i>FOXP2</i>	0.499772830531577	0	2.00E-04	1	0.0015	0	NA	NA
NM_001134888	<i>RTL1</i>	0.49931849159473	0	2.00E-04	1	0.0015	0	NA	NA
NR_028443	<i>SLC25A5-AS1</i>	0.497501135847342	0	2.00E-04	1	0.0015	0	NA	NA
NM_182506	<i>MAGEB10</i>	0.497046796910495	0	2.00E-04	1	0.0015	0	NA	NA
NR_003945	<i>GVINP1</i>	0.497046796910495	0	2.00E-04	1	0.0015	0	NA	NA
NM_022728	<i>NEUROD6</i>	0.497046796910495	0	2.00E-04	1	0.0015	0	NA	NA
NM_194287	<i>C14orf166B</i>	0.496592457973648	0	2.00E-04	1	0.0015	0	NA	NA
NM_203373	<i>FBXL22</i>	0.494775102226261	0	2.00E-04	1	0.0015	0	NA	NA
NM_001145718	<i>CT47B1</i>	0.494775102226261	0	2.00E-04	1	0.0015	0	NA	NA
NM_001004458	<i>OR1S1</i>	0.494320763289414	0	2.00E-04	1	0.0015	0	NA	NA
NM_021903	<i>GABBR1</i>	0.494320763289414	0	2.00E-04	1	0.0015	0	NA	NA
NM_001035513	<i>SDHC</i>	0.492503407542026	0	2.00E-04	1	0.0015	0	NA	NA
NM_001278172	<i>SDHC</i>	0.492503407542026	0	2.00E-04	1	0.0015	0	NA	NA
NM_003001	<i>SDHC</i>	0.492503407542026	0	2.00E-04	1	0.0015	0	NA	NA
NM_001035512	<i>SDHC</i>	0.492503407542026	0	2.00E-04	1	0.0015	0	NA	NA
NM_001035511	<i>SDHC</i>	0.492503407542026	0	2.00E-04	1	0.0015	0	NA	NA
NR_103459	<i>SDHC</i>	0.492503407542026	0	2.00E-04	1	0.0015	0	NA	NA
NR_033579	<i>CSPG4P8</i>	0.492503407542026	0	2.00E-04	1	0.0015	0	NA	NA
NM_001037631	<i>CTLA4</i>	0.492503407542026	0	2.00E-04	1	0.0015	0	NA	NA
NM_005214	<i>CTLA4</i>	0.492503407542026	0	2.00E-04	1	0.0015	0	NA	NA
NR_026867	<i>ZNF300P1</i>	0.492503407542026	0	2.00E-04	1	0.0015	0	NA	NA
NR_037648	<i>FOXRED1</i>	0.489777373920945	0	2.00E-04	1	0.0015	0	NA	NA
NM_001144776	<i>ELAVL4</i>	0.488868696047251	0	2.00E-04	1	0.0015	0	NA	NA
NM_002100	<i>GYPB</i>	0.488868696047251	0	2.00E-04	1	0.0015	0	NA	NA
NM_170745	<i>HIST1H2AA</i>	0.488414357110404	0	2.00E-04	1	0.0015	0	NA	NA
NM_005099	<i>ADAMTS4</i>	0.487505679236711	0	2.00E-04	1	0.0015	0	NA	NA
NR_002574	<i>SNORD102</i>	0.487051340299864	0	2.00E-04	1	0.0015	0	NA	NA
NM_058206	<i>SPAG11B</i>	0.485233984552476	0	2.00E-04	1	0.0015	0	NA	NA
NM_058207	<i>SPAG11B</i>	0.485233984552476	0	2.00E-04	1	0.0015	0	NA	NA
NM_018980	<i>TAS2R5</i>	0.484779645615629	0	2.00E-04	1	0.0015	0	NA	NA
NM_001242506	<i>GDA</i>	0.484325306678782	0	2.00E-04	1	0.0015	0	NA	NA
NM_001242505	<i>GDA</i>	0.484325306678782	0	2.00E-04	1	0.0015	0	NA	NA
NM_004293	<i>GDA</i>	0.484325306678782	0	2.00E-04	1	0.0015	0	NA	NA
NM_001122731	<i>MICAL3</i>	0.483870967741935	0	2.00E-04	1	0.0015	0	NA	NA
NM_001136004	<i>MICAL3</i>	0.483870967741935	0	2.00E-04	1	0.0015	0	NA	NA
NR_002163	<i>OR7E37P</i>	0.483416628805089	0	2.00E-04	1	0.0015	0	NA	NA



NM_152598	MARCH10	0.483416628805089	0	2.00E-04	1	0.0015	0	NA	NA
NM_007281	SCRG1	0.482507950931395	0	2.00E-04	1	0.0015	0	NA	NA
NM_001004756	OR51M1	0.482053611994548	0	2.00E-04	1	0.0015	0	NA	NA
NM_138967	SCAMP5	0.481599273057701	0	2.00E-04	1	0.0015	0	NA	NA
NM_001178112	SCAMP5	0.481599273057701	0	2.00E-04	1	0.0015	0	NA	NA
NR_033660	SCAMP5	0.481599273057701	0	2.00E-04	1	0.0015	0	NA	NA
NM_001178111	SCAMP5	0.481599273057701	0	2.00E-04	1	0.0015	0	NA	NA
NM_022076	DUSP21	0.480690595184007	0	2.00E-04	1	0.0015	0	NA	NA
NM_032024	C10orf11	0.479781917310313	0	2.00E-04	1	0.0015	0	NA	NA
NR_003579	FRG1B	0.479327578373467	0	2.00E-04	1	0.0015	0	NA	NA
NR_034149	LINC00656	0.47887323943662	0	2.00E-04	1	0.0015	0	NA	NA
NR_028347	FAM183B	0.47887323943662	0	2.00E-04	1	0.0015	0	NA	NA
NM_153708	RTP1	0.474784189004998	0	2.00E-04	1	0.0015	0	NA	NA
NM_001037172	ACPL2	0.474329850068151	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282728	ACPL2	0.474329850068151	0	2.00E-04	1	0.0015	0	NA	NA
NM_152282	ACPL2	0.474329850068151	0	2.00E-04	1	0.0015	0	NA	NA
NM_001284390	VGLL4	0.474329850068151	0	2.00E-04	1	0.0015	0	NA	NA
NM_014667	VGLL4	0.474329850068151	0	2.00E-04	1	0.0015	0	NA	NA
NM_004505	USP6	0.473875511131304	0	2.00E-04	1	0.0015	0	NA	NA
NR_046827	LNK1-AS2	0.473875511131304	0	2.00E-04	1	0.0015	0	NA	NA
NM_001926	DEFA6	0.473421172194457	0	2.00E-04	1	0.0015	0	NA	NA
NM_138800	TRIM43	0.47296683325761	0	2.00E-04	1	0.0015	0	NA	NA
NM_005963	MYH1	0.47296683325761	0	2.00E-04	1	0.0015	0	NA	NA
NR_033902	CCAR2	0.47160381644707	0	2.00E-04	1	0.0015	0	NA	NA
NR_073396	ZNF818P	0.471149477510223	0	2.00E-04	1	0.0015	0	NA	NA
NM_000576	IL1B	0.470695138573376	0	2.00E-04	1	0.0015	0	NA	NA
NM_001091	AOC1	0.469786460699682	0	2.00E-04	1	0.0015	0	NA	NA
NM_001272072	AOC1	0.469786460699682	0	2.00E-04	1	0.0015	0	NA	NA
NM_001166660	NLGN3	0.468877782825988	0	2.00E-04	1	0.0015	0	NA	NA
NM_181303	NLGN3	0.468877782825988	0	2.00E-04	1	0.0015	0	NA	NA
NM_018977	NLGN3	0.468877782825988	0	2.00E-04	1	0.0015	0	NA	NA
NM_024864	MRM1	0.52839618355293	0.060881417537483	2.00E-04	1	0.0015	0	NA	NA
NM_001251962	ARHGEF26	0.467060427078601	0	2.00E-04	1	0.0015	0	NA	NA
NR_027514	CCNDBP1	0.466606088141754	0	2.00E-04	1	0.0015	0	NA	NA
NR_027513	CCNDBP1	0.466606088141754	0	2.00E-04	1	0.0015	0	NA	NA
NM_012142	CCNDBP1	0.466606088141754	0	2.00E-04	1	0.0015	0	NA	NA
NR_045999	CCNDBP1	0.466606088141754	0	2.00E-04	1	0.0015	0	NA	NA
NR_045998	CCNDBP1	0.466606088141754	0	2.00E-04	1	0.0015	0	NA	NA
NM_007351	MMRN1	0.466606088141754	0	2.00E-04	1	0.0015	0	NA	NA
NM_153005	RIOK1	0.46569741026806	0	2.00E-04	1	0.0015	0	NA	NA
NM_001137608	ZNF732	0.465243071331213	0	2.00E-04	1	0.0015	0	NA	NA
NM_005383	NEU2	0.464334393457519	0	2.00E-04	1	0.0015	0	NA	NA
NM_001114598	ASPDH	0.464334393457519	0	2.00E-04	1	0.0015	0	NA	NA
NM_000299	PKP1	0.463880054520672	0	2.00E-04	1	0.0015	0	NA	NA
NM_001005337	PKP1	0.463880054520672	0	2.00E-04	1	0.0015	0	NA	NA
NM_018073	TRIM68	0.463880054520672	0	2.00E-04	1	0.0015	0	NA	NA
NM_001004351	SPDYE3	0.463425715583826	0	2.00E-04	1	0.0015	0	NA	NA

NM_006331	EMG1	0.462062698773285	0	2.00E-04	1	0.0015	0	NA	NA
NM_032260	RGPD5	0.462062698773285	0	2.00E-04	1	0.0015	0	NA	NA
NM_032807	FBXO18	0.460245343025897	0	2.00E-04	1	0.0015	0	NA	NA
NR_038274	LINC00933	0.45979100408905	0	2.00E-04	1	0.0015	0	NA	NA
NR_003088	ABCC13	0.45842798727851	0	2.00E-04	1	0.0015	0	NA	NA
NR_003087	ABCC13	0.45842798727851	0	2.00E-04	1	0.0015	0	NA	NA
NR_030295	MIR569	0.467514766015448	0.00954111767378464	2.00E-04	1	0.0015	0	NA	NA
NM_001004459	OR1S2	0.48614266242617	0.0286233530213539	2.00E-04	1	0.0015	0	NA	NA
NM_001080140	CT47A7	0.456610631531122	0	2.00E-04	1	0.0015	0	NA	NA
NM_001005470	OR4B1	0.455247614720582	0	2.00E-04	1	0.0015	0	NA	NA
NM_033393	FHDC1	0.454338936846888	0	2.00E-04	1	0.0015	0	NA	NA
NM_177551	HCAR2	0.454338936846888	0	2.00E-04	1	0.0015	0	NA	NA
NM_145111	FAM200A	0.454338936846888	0	2.00E-04	1	0.0015	0	NA	NA
NM_001252043	TAOK2	0.453430258973194	0	2.00E-04	1	0.0015	0	NA	NA
NM_016151	TAOK2	0.453430258973194	0	2.00E-04	1	0.0015	0	NA	NA
NM_004783	TAOK2	0.453430258973194	0	2.00E-04	1	0.0015	0	NA	NA
NM_025188	TRIM45	0.453430258973194	0	2.00E-04	1	0.0015	0	NA	NA
NM_001145635	TRIM45	0.453430258973194	0	2.00E-04	1	0.0015	0	NA	NA
NM_152375	KLHDC7A	0.452975920036347	0	2.00E-04	1	0.0015	0	NA	NA
NM_006063	KLHL41	0.4525215810995	0	2.00E-04	1	0.0015	0	NA	NA
NR_024507	LINC00598	0.45115856428896	0	2.00E-04	1	0.0015	0	NA	NA
NR_024506	LINC00598	0.45115856428896	0	2.00E-04	1	0.0015	0	NA	NA
NR_024505	LINC00598	0.45115856428896	0	2.00E-04	1	0.0015	0	NA	NA
NR_024359	LINC00086	0.450704225352113	0	2.00E-04	1	0.0015	0	NA	NA
NR_039891	MIR3064	0.449795547478419	0	2.00E-04	1	0.0015	0	NA	NA
NM_005582	CD180	0.449795547478419	0	2.00E-04	1	0.0015	0	NA	NA
NR_104131	LINC01057	0.449341208541572	0	2.00E-04	1	0.0015	0	NA	NA
NM_001005495	OR2T3	0.448886869604725	0	2.00E-04	1	0.0015	0	NA	NA
NM_001098169	BSX	0.448432530667878	0	2.00E-04	1	0.0015	0	NA	NA
NM_001029869	PLAC8L1	0.448432530667878	0	2.00E-04	1	0.0015	0	NA	NA
NM_012450	SLC13A4	0.447978191731031	0	2.00E-04	1	0.0015	0	NA	NA
NM_001142477	NREP	0.446615174920491	0	2.00E-04	1	0.0015	0	NA	NA
NM_001142476	NREP	0.446615174920491	0	2.00E-04	1	0.0015	0	NA	NA
NR_003531	MEG3	0.489323034984098	0.0431621990004543	2.00E-04	1	0.0015	0	NA	NA
NM_030627	CPEB4	0.445706497046797	0	2.00E-04	1	0.0015	0	NA	NA
NM_001199091	TDRD5	0.532485233984552	0.0876874148114493	2.00E-04	1	0.0015	0	NA	NA
NM_001005747	CACNB4	0.444343480236256	0	2.00E-04	1	0.0015	0	NA	NA
NM_021046	KRTAP5-8	0.443889141299409	0	2.00E-04	1	0.0015	0	NA	NA
NM_001004461	OR10A6	0.443889141299409	0	2.00E-04	1	0.0015	0	NA	NA
NM_199478	PLP1	0.442980463425716	0	2.00E-04	1	0.0015	0	NA	NA
NM_000533	PLP1	0.442980463425716	0	2.00E-04	1	0.0015	0	NA	NA
NM_005341	ZBTB48	0.441617446615175	0	2.00E-04	1	0.0015	0	NA	NA
NM_001278647	ZBTB48	0.441617446615175	0	2.00E-04	1	0.0015	0	NA	NA
NM_001278648	ZBTB48	0.441617446615175	0	2.00E-04	1	0.0015	0	NA	NA
NR_000011	SNORA70	0.441617446615175	0	2.00E-04	1	0.0015	0	NA	NA
NM_201402	USP17L2	0.441617446615175	0	0.9952	0.0042	1	0.1548	NA	NA
NM_181605	KRTAP6-3	0.440708768741481	0	2.00E-04	1	0.0015	0	NA	NA

NM_177525	MEST	0.440708768741481	0	2.00E-04	1	0.0015	0	NA	NA
NM_001190892	PDYN	0.440708768741481	0	2.00E-04	1	0.0015	0	NA	NA
NM_173533	TDRD5	0.532485233984552	0.0917764652430713	2.00E-04	1	0.0015	0	NA	NA
NM_001199085	TDRD5	0.532485233984552	0.0917764652430713	2.00E-04	1	0.0015	0	NA	NA
NM_022963	FGFR4	0.439800090867787	0	2.00E-04	1	0.0015	0	NA	NA
NM_183399	RNF14	0.43934575193094	0	2.00E-04	1	0.0015	0	NA	NA
NM_001201365	RNF14	0.43934575193094	0	2.00E-04	1	0.0015	0	NA	NA
NM_001173482	CRBN	0.438891412994094	0	2.00E-04	1	0.0015	0	NA	NA
NM_016302	CRBN	0.438891412994094	0	2.00E-04	1	0.0015	0	NA	NA
NR_028067	OR4N3P	0.438437074057247	0	2.00E-04	1	0.0015	0	NA	NA
NM_022915	MRPL44	0.438437074057247	0	2.00E-04	1	0.0015	0	NA	NA
NM_001171095	CLDN2	0.4379827351204	0	2.00E-04	1	0.0015	0	NA	NA
NR_002940	LRRC37A4P	0.4379827351204	0	2.00E-04	1	0.0015	0	NA	NA
NM_000737	CGB	0.4379827351204	0	2.00E-04	1	0.0015	0	NA	NA
NM_000370	TTPA	0.437528396183553	0	2.00E-04	1	0.0015	0	NA	NA
NM_213601	TMED8	0.437074057246706	0	2.00E-04	1	0.0015	0	NA	NA
NM_005218	DEFB1	0.436619718309859	0	2.00E-04	1	0.0015	0	NA	NA
NM_080918	DGUOK	0.435711040436165	0	2.00E-04	1	0.0015	0	NA	NA
NM_080916	DGUOK	0.435711040436165	0	2.00E-04	1	0.0015	0	NA	NA
NR_033360	MEG3	0.489323034984098	0.0540663334847796	2.00E-04	1	0.0015	0	NA	NA
NR_033359	MEG3	0.489323034984098	0.0540663334847796	2.00E-04	1	0.0015	0	NA	NA
NR_003530	MEG3	0.489323034984098	0.0540663334847796	2.00E-04	1	0.0015	0	NA	NA
NR_002766	MEG3	0.489323034984098	0.0540663334847796	2.00E-04	1	0.0015	0	NA	NA
NR_046468	MEG3	0.489323034984098	0.0540663334847796	2.00E-04	1	0.0015	0	NA	NA
NR_046467	MEG3	0.489323034984098	0.0540663334847796	2.00E-04	1	0.0015	0	NA	NA
NR_046465	MEG3	0.489323034984098	0.0540663334847796	2.00E-04	1	0.0015	0	NA	NA
NR_046464	MEG3	0.489323034984098	0.0540663334847796	2.00E-04	1	0.0015	0	NA	NA
NR_046473	MEG3	0.489323034984098	0.0540663334847796	2.00E-04	1	0.0015	0	NA	NA
NR_046472	MEG3	0.489323034984098	0.0540663334847796	2.00E-04	1	0.0015	0	NA	NA
NR_033358	MEG3	0.489323034984098	0.0540663334847796	2.00E-04	1	0.0015	0	NA	NA
NR_046466	MEG3	0.489323034984098	0.0540663334847796	2.00E-04	1	0.0015	0	NA	NA
NR_046469	MEG3	0.489323034984098	0.0540663334847796	2.00E-04	1	0.0015	0	NA	NA
NR_046471	MEG3	0.489323034984098	0.0540663334847796	2.00E-04	1	0.0015	0	NA	NA
NR_046470	MEG3	0.489323034984098	0.0540663334847796	2.00E-04	1	0.0015	0	NA	NA
NM_000042	APOH	0.435256701499318	0	2.00E-04	1	0.0015	0	NA	NA
NM_003574	VAPA	0.433439345751931	0	2.00E-04	1	0.0015	0	NA	NA
NM_194434	VAPA	0.433439345751931	0	2.00E-04	1	0.0015	0	NA	NA
NM_016945	TAS2R16	0.433439345751931	0	2.00E-04	1	0.0015	0	NA	NA
NM_001251	CD68	0.432530667878237	0	2.00E-04	1	0.0015	0	NA	NA
NM_033183	CGB8	0.432530667878237	0	2.00E-04	1	0.0015	0	NA	NA
NM_001040059	CD68	0.43207632894139	0	2.00E-04	1	0.0015	0	NA	NA
NM_001270584	IQCA1	0.43207632894139	0	2.00E-04	1	0.0015	0	NA	NA
NM_024726	IQCA1	0.43207632894139	0	2.00E-04	1	0.0015	0	NA	NA
NR_073043	IQCA1	0.43207632894139	0	2.00E-04	1	0.0015	0	NA	NA
NM_001005275	OR4A15	0.431621990004543	0	2.00E-04	1	0.0015	0	NA	NA
NM_000304	PMP22	0.502953203089505	0.0717855520218083	2.00E-04	1	0.0015	0	NA	NA
NR_104017	PMP22	0.502953203089505	0.0717855520218083	2.00E-04	1	0.0015	0	NA	NA

NR_104018	PMP22	0.502953203089505	0.0717855520218083	2.00E-04	1	0.0015	0	NA	NA
NM_001281456	PMP22	0.502953203089505	0.0717855520218083	2.00E-04	1	0.0015	0	NA	NA
NR_024022	SETMAR	0.43071331213085	0	2.00E-04	1	0.0015	0	NA	NA
NM_001010908	C1QL3	0.43071331213085	0	2.00E-04	1	0.0015	0	NA	NA
NM_006735	HOXA2	0.43071331213085	0	2.00E-04	1	0.0015	0	NA	NA
NM_001006945	LRIF1	0.430258973194003	0	2.00E-04	1	0.0015	0	NA	NA
NM_018372	LRIF1	0.430258973194003	0	2.00E-04	1	0.0015	0	NA	NA
NM_001001417	TBC1D3B	0.429804634257156	0	2.00E-04	1	0.0015	0	NA	NA
NM_006584	CCT6B	0.437528396183553	0.00772376192639709	2.00E-04	1	0.0015	0	NA	NA
NM_001193530	CCT6B	0.437528396183553	0.00772376192639709	2.00E-04	1	0.0015	0	NA	NA
NM_001193529	CCT6B	0.437528396183553	0.00772376192639709	2.00E-04	1	0.0015	0	NA	NA
NM_144712	SLC23A3	0.428895956383462	0	2.00E-04	1	0.0015	0	NA	NA
NM_001144889	SLC23A3	0.428895956383462	0	2.00E-04	1	0.0015	0	NA	NA
NM_001144890	SLC23A3	0.428895956383462	0	2.00E-04	1	0.0015	0	NA	NA
NM_016370	RAB9B	0.428895956383462	0	2.00E-04	1	0.0015	0	NA	NA
NR_003260	DNM1P46	0.428441617446615	0	2.00E-04	1	0.0015	0	NA	NA
NM_030901	OR7A17	0.428441617446615	0	2.00E-04	1	0.0015	0	NA	NA
NM_033033	KRT82	0.427987278509768	0	2.00E-04	1	0.0015	0	NA	NA
NM_005495	SLC17A4	0.427532939572921	0	2.00E-04	1	0.0015	0	NA	NA
NR_003665	CRSP8P	0.427078600636075	0	2.00E-04	1	0.0015	0	NA	NA
NM_002141	HOXA4	0.427078600636075	0	2.00E-04	1	0.0015	0	NA	NA
NR_036691	LOC494127	0.426624261699228	0	2.00E-04	1	0.0015	0	NA	NA
NM_001172105	GRAMD1C	0.426169922762381	0	2.00E-04	1	0.0015	0	NA	NA
NM_001242814	ANKRD6	0.425715583825534	0	2.00E-04	1	0.0015	0	NA	NA
NM_001080474	C2orf78	0.425261244888687	0	2.00E-04	1	0.0015	0	NA	NA
NM_153690	FAM43A	0.425261244888687	0	2.00E-04	1	0.0015	0	NA	NA
NM_021174	CCAR2	0.42480690595184	0	2.00E-04	1	0.0015	0	NA	NA
NM_014050	MRPL42	0.442980463425716	0.0186278964107224	2.00E-04	1	0.0015	0	NA	NA
NM_172177	MRPL42	0.442980463425716	0.0186278964107224	2.00E-04	1	0.0015	0	NA	NA
NR_038161	MRPL42	0.442980463425716	0.0186278964107224	2.00E-04	1	0.0015	0	NA	NA
NR_038160	MRPL42	0.442980463425716	0.0186278964107224	2.00E-04	1	0.0015	0	NA	NA
NR_038159	MRPL42	0.442980463425716	0.0186278964107224	2.00E-04	1	0.0015	0	NA	NA
NM_138434	ZBED6CL	0.424352567014993	0	2.00E-04	1	0.0015	0	NA	NA
NM_001017970	TMEM30B	0.423443889141299	0	2.00E-04	1	0.0015	0	NA	NA
NM_001145121	TCP10L2	0.422989550204453	0	2.00E-04	1	0.0015	0	NA	NA
NM_001873	CPE	0.422080872330759	0	2.00E-04	1	0.0015	0	NA	NA
NM_001278319	LILRA1	0.421626533393912	0	2.00E-04	1	0.0015	0	NA	NA
NR_003666	SPDYE7P	0.421626533393912	0	2.00E-04	1	0.0015	0	NA	NA
NM_001169118	STIM2	0.421172194457065	0	2.00E-04	1	0.0015	0	NA	NA
NM_001169117	STIM2	0.421172194457065	0	2.00E-04	1	0.0015	0	NA	NA
NM_020860	STIM2	0.421172194457065	0	2.00E-04	1	0.0015	0	NA	NA
NM_020525	IL22	0.421172194457065	0	2.00E-04	1	0.0015	0	NA	NA
NM_018647	TNFRSF19	0.420717855520218	0	2.00E-04	1	0.0015	0	NA	NA
NM_001204458	TNFRSF19	0.420717855520218	0	2.00E-04	1	0.0015	0	NA	NA
NM_000270	PNP	0.420263516583371	0	2.00E-04	1	0.0015	0	NA	NA
NM_001033583	ACOT9	0.420263516583371	0	2.00E-04	1	0.0015	0	NA	NA
NM_001037171	ACOT9	0.420263516583371	0	2.00E-04	1	0.0015	0	NA	NA

NR_046249	GM140	0.418900499772831	0	2.00E-04	1	0.0015	0	NA	NA
NM_006552	SCGB1D1	0.418900499772831	0	2.00E-04	1	0.0015	0	NA	NA
NM_001887	CRYBB1	0.418446160835984	0	2.00E-04	1	0.0015	0	NA	NA
NR_044994	CTAGE7P	0.417991821899137	0	2.00E-04	1	0.0015	0	NA	NA
NM_017757	ZNF407	0.417991821899137	0	2.00E-04	1	0.0015	0	NA	NA
NM_001146189	ZNF407	0.417991821899137	0	2.00E-04	1	0.0015	0	NA	NA
NM_001146190	ZNF407	0.417991821899137	0	2.00E-04	1	0.0015	0	NA	NA
NM_014793	LCMT2	0.417991821899137	0	2.00E-04	1	0.0015	0	NA	NA
NM_001123363	RGPD6	0.41753748296229	0	2.00E-04	1	0.0015	0	NA	NA
NM_201631	TGM5	0.41753748296229	0	4.00E-04	1	0.0037	1.00E-04	NA	NA
NM_004245	TGM5	0.41753748296229	0	2.00E-04	1	0.0015	0	NA	NA
NM_013260	SAP30BP	0.477055883689232	0.060881417537483	2.00E-04	1	0.0015	0	NA	NA
NM_001640	APEH	0.416174466151749	0	2.00E-04	1	0.0015	0	NA	NA
NM_058173	MUCL1	0.415720127214902	0	2.00E-04	1	0.0015	0	NA	NA
NM_001546	ID4	0.415720127214902	0	2.00E-04	1	0.0015	0	NA	NA
NM_031962	KRTAP9-3	0.415265788278055	0	2.00E-04	1	0.0015	0	NA	NA
NM_001007537	C1QTNF9B	0.415265788278055	0	2.00E-04	1	0.0015	0	NA	NA
NM_005454	CER1	0.415265788278055	0	2.00E-04	1	0.0015	0	NA	NA
NM_031277	RNF17	0.414811449341209	0	2.00E-04	1	0.0015	0	NA	NA
NM_001184993	RNF17	0.414811449341209	0	2.00E-04	1	0.0015	0	NA	NA
NM_178833	SLC9B2	0.414811449341209	0	2.00E-04	1	0.0015	0	NA	NA
NM_175733	SYT9	0.414357110404362	0	2.00E-04	1	0.0015	0	NA	NA
NM_033191	KRTAP9-4	0.414357110404362	0	2.00E-04	1	0.0015	0	NA	NA
NM_014897	ZNF652	0.413902771467515	0	2.00E-04	1	0.0015	0	NA	NA
NM_001145365	ZNF652	0.413902771467515	0	2.00E-04	1	0.0015	0	NA	NA
NM_001242729	ARHGEF38	0.412994093593821	0	2.00E-04	1	0.0015	0	NA	NA
NM_017700	ARHGEF38	0.412994093593821	0	2.00E-04	1	0.0015	0	NA	NA
NM_000074	CD40LG	0.412994093593821	0	2.00E-04	1	0.0015	0	NA	NA
NM_006536	CLCA2	0.412539754656974	0	2.00E-04	1	0.0015	0	NA	NA
NM_022090	C5orf54	0.412539754656974	0	2.00E-04	1	0.0015	0	NA	NA
NM_173804	TMEM86B	0.435711040436165	0.0231712857791913	2.00E-04	1	0.0015	0	NA	NA
NM_004326	BCL9	0.412085415720127	0	2.00E-04	1	0.0015	0	NA	NA
NM_194324	TMSB15B	0.412085415720127	0	2.00E-04	1	0.0015	0	NA	NA
NM_024865	NANOG	0.410722398909587	0	2.00E-04	1	0.0015	0	NA	NA
NM_148908	OSBPL9	0.41026805997274	0	2.00E-04	1	0.0015	0	NA	NA
NM_148906	OSBPL9	0.41026805997274	0	2.00E-04	1	0.0015	0	NA	NA
NR_036662	OSBPL9	0.41026805997274	0	2.00E-04	1	0.0015	0	NA	NA
NM_024586	OSBPL9	0.41026805997274	0	2.00E-04	1	0.0015	0	NA	NA
NM_148909	OSBPL9	0.41026805997274	0	2.00E-04	1	0.0015	0	NA	NA
NM_001105522	TRIM49D2P	0.41026805997274	0	2.00E-04	1	0.0015	0	NA	NA
NM_001178131	EGF	0.41026805997274	0	2.00E-04	1	0.0015	0	NA	NA
NM_001963	EGF	0.41026805997274	0	2.00E-04	1	0.0015	0	NA	NA
NM_001178130	EGF	0.41026805997274	0	2.00E-04	1	0.0015	0	NA	NA
NM_053049	UCN3	0.409359382099046	0	2.00E-04	1	0.0015	0	NA	NA
NM_025261	LY6G6C	0.409359382099046	0	2.00E-04	1	0.0015	0	NA	NA
NM_014697	NOS1AP	0.408905043162199	0	2.00E-04	1	0.0015	0	NA	NA
NM_001164757	NOS1AP	0.408905043162199	0	2.00E-04	1	0.0015	0	NA	NA

NM_020187	<i>HMCES</i>	0.408450704225352	0	2.00E-04	1	0.0015	0	NA	NA
NM_001006109	<i>HMCES</i>	0.408450704225352	0	2.00E-04	1	0.0015	0	NA	NA
NR_026773	<i>C6orf123</i>	0.408450704225352	0	2.00E-04	1	0.0015	0	NA	NA
NR_002140	<i>OR6W1P</i>	0.408450704225352	0	2.00E-04	1	0.0015	0	NA	NA
NR_034158	<i>NUP210P1</i>	0.407542026351658	0	2.00E-04	1	0.0015	0	NA	NA
NM_016134	<i>CPQ</i>	0.407542026351658	0	2.00E-04	1	0.0015	0	NA	NA
NM_178821	<i>DAW1</i>	0.407087687414811	0	2.00E-04	1	0.0015	0	NA	NA
NM_001098501	<i>KIAA1217</i>	0.406633348477965	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282767	<i>KIAA1217</i>	0.406633348477965	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282768	<i>KIAA1217</i>	0.406633348477965	0	2.00E-04	1	0.0015	0	NA	NA
NM_019590	<i>KIAA1217</i>	0.406633348477965	0	2.00E-04	1	0.0015	0	NA	NA
NM_003845	<i>DYRK4</i>	0.406633348477965	0	2.00E-04	1	0.0015	0	NA	NA
NR_104115	<i>DYRK4</i>	0.406633348477965	0	2.00E-04	1	0.0015	0	NA	NA
NM_001198617	<i>MAP7</i>	0.406633348477965	0	2.00E-04	1	0.0015	0	NA	NA
NM_001198616	<i>MAP7</i>	0.406633348477965	0	2.00E-04	1	0.0015	0	NA	NA
NM_003980	<i>MAP7</i>	0.406633348477965	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256567	<i>CHRNB4</i>	0.405270331667424	0	2.00E-04	1	0.0015	0	NA	NA
NM_000750	<i>CHRNB4</i>	0.405270331667424	0	2.00E-04	1	0.0015	0	NA	NA
NM_001127365	<i>FAM221A</i>	0.404815992730577	0	2.00E-04	1	0.0015	0	NA	NA
NM_001127364	<i>FAM221A</i>	0.404815992730577	0	2.00E-04	1	0.0015	0	NA	NA
NM_199136	<i>FAM221A</i>	0.404815992730577	0	2.00E-04	1	0.0015	0	NA	NA
NM_004310	<i>RHOH</i>	0.40436165379373	0	2.00E-04	1	0.0015	0	NA	NA
NM_001278360	<i>RHOH</i>	0.40436165379373	0	2.00E-04	1	0.0015	0	NA	NA
NM_001278359	<i>RHOH</i>	0.40436165379373	0	2.00E-04	1	0.0015	0	NA	NA
NM_001278363	<i>RHOH</i>	0.40436165379373	0	2.00E-04	1	0.0015	0	NA	NA
NM_001278362	<i>RHOH</i>	0.40436165379373	0	2.00E-04	1	0.0015	0	NA	NA
NM_001278361	<i>RHOH</i>	0.40436165379373	0	2.00E-04	1	0.0015	0	NA	NA
NM_004844	<i>SH3BP5</i>	0.40436165379373	0	2.00E-04	1	0.0015	0	NA	NA
NM_001134433	<i>AZI2</i>	0.40436165379373	0	2.00E-04	1	0.0015	0	NA	NA
NM_001134432	<i>AZI2</i>	0.40436165379373	0	2.00E-04	1	0.0015	0	NA	NA
NM_022461	<i>AZI2</i>	0.40436165379373	0	2.00E-04	1	0.0015	0	NA	NA
NM_001271650	<i>AZI2</i>	0.40436165379373	0	2.00E-04	1	0.0015	0	NA	NA
NM_001201428	<i>GORASP2</i>	0.403907314856883	0	2.00E-04	1	0.0015	0	NA	NA
NM_015530	<i>GORASP2</i>	0.403907314856883	0	2.00E-04	1	0.0015	0	NA	NA
NM_007160	<i>OR2H2</i>	0.423898228078146	0.0204452521581099	2.00E-04	1	0.0015	0	NA	NA
NR_002964	<i>SNORA28</i>	0.403452975920036	0	2.00E-04	1	0.0015	0	NA	NA
NM_006175	<i>NRAP</i>	0.403452975920036	0	2.00E-04	1	0.0015	0	NA	NA
NM_198060	<i>NRAP</i>	0.403452975920036	0	2.00E-04	1	0.0015	0	NA	NA
NM_001261463	<i>NRAP</i>	0.403452975920036	0	2.00E-04	1	0.0015	0	NA	NA
NM_002981	<i>CCL1</i>	0.403452975920036	0	2.00E-04	1	0.0015	0	NA	NA
NM_000594	<i>TNF</i>	0.472058155383916	0.0699681962744207	0.0012	0.9994	0.0072	2.00E-04	NA	NA
NM_080743	<i>SRSF12</i>	0.401635620172649	0	2.00E-04	1	0.0015	0	NA	NA
NM_032307	<i>C9orf64</i>	0.401635620172649	0	2.00E-04	1	0.0015	0	NA	NA
NM_001584	<i>MPPED2</i>	0.401181281235802	0	2.00E-04	1	0.0015	0	NA	NA
NM_001034172	<i>SLC25A52</i>	0.401181281235802	0	2.00E-04	1	0.0015	0	NA	NA
NR_026664	<i>MGC16025</i>	0.401181281235802	0	2.00E-04	1	0.0015	0	NA	NA
NM_005458	<i>GABBR2</i>	0.401181281235802	0	2.00E-04	1	0.0015	0	NA	NA

NR_026799	SH3GL3	0.400726942298955	0	2.00E-04	1	0.0015	0	NA	NA
NM_003027	SH3GL3	0.400726942298955	0	2.00E-04	1	0.0015	0	NA	NA
NM_005486	TOM1L1	0.400726942298955	0	2.00E-04	1	0.0015	0	NA	NA
NR_104292	TBC1D22A	0.400726942298955	0	2.00E-04	1	0.0015	0	NA	NA
NM_020531	APMAP	0.400726942298955	0	2.00E-04	1	0.0015	0	NA	NA
NR_024066	CLRN1-AS1	0.51385733757383	0.114039073148569	2.00E-04	1	0.0015	0	NA	NA
NM_004408	DNM1	0.399818264425261	0	2.00E-04	1	0.0015	0	NA	NA
NM_001005336	DNM1	0.399818264425261	0	2.00E-04	1	0.0015	0	NA	NA
NM_012205	HAAO	0.537028623353021	0.137664697864607	2.00E-04	1	0.0015	0	NA	NA
NM_139169	TRUB1	0.399363925488414	0	2.00E-04	1	0.0015	0	NA	NA
NM_175723	SSX5	0.399363925488414	0	2.00E-04	1	0.0015	0	NA	NA
NM_021015	SSX5	0.399363925488414	0	2.00E-04	1	0.0015	0	NA	NA
NM_001184749	SLITRK4	0.399363925488414	0	2.00E-04	1	0.0015	0	NA	NA
NM_031961	KRTAP9-2	0.398909586551567	0	2.00E-04	1	0.0015	0	NA	NA
NM_001008397	GPX8	0.398909586551567	0	2.00E-04	1	0.0015	0	NA	NA
NM_012378	OR8B8	0.398909586551567	0	2.00E-04	1	0.0015	0	NA	NA
NM_004965	HMGN1	0.398909586551567	0	2.00E-04	1	0.0015	0	NA	NA
NM_170665	ATP2A2	0.398455247614721	0	2.00E-04	1	0.0015	0	NA	NA
NM_001681	ATP2A2	0.398455247614721	0	2.00E-04	1	0.0015	0	NA	NA
NM_152453	TMCOSA	0.398455247614721	0	2.00E-04	1	0.0015	0	NA	NA
NM_001079538	XAGE2B	0.398455247614721	0	2.00E-04	1	0.0015	0	NA	NA
NM_001077203	SENP7	0.398455247614721	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282801	SENP7	0.398455247614721	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282802	SENP7	0.398455247614721	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282803	SENP7	0.398455247614721	0	2.00E-04	1	0.0015	0	NA	NA
NM_020654	SENP7	0.398455247614721	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282804	SENP7	0.398455247614721	0	2.00E-04	1	0.0015	0	NA	NA
NM_002099	GYPA	0.398455247614721	0	2.00E-04	1	0.0015	0	NA	NA
NM_019045	WDR44	0.397546569741027	0	2.00E-04	1	0.0015	0	NA	NA
NM_001184966	WDR44	0.397546569741027	0	2.00E-04	1	0.0015	0	NA	NA
NM_001184965	WDR44	0.397546569741027	0	2.00E-04	1	0.0015	0	NA	NA
NM_001276	CHI3L1	0.397546569741027	0	2.00E-04	1	0.0015	0	NA	NA
NM_020805	KLHL14	0.397546569741027	0	2.00E-04	1	0.0015	0	NA	NA
NM_000206	IL2RG	0.397546569741027	0	2.00E-04	1	0.0015	0	NA	NA
NM_001130713	LEF1	0.39709223080418	0	2.00E-04	1	0.0015	0	NA	NA
NM_001130714	LEF1	0.39709223080418	0	2.00E-04	1	0.0015	0	NA	NA
NM_016269	LEF1	0.39709223080418	0	2.00E-04	1	0.0015	0	NA	NA
NM_172314	IL25	0.396637891867333	0	2.00E-04	1	0.0015	0	NA	NA
NM_022789	IL25	0.396637891867333	0	2.00E-04	1	0.0015	0	NA	NA
NM_001099283	ZNF239	0.396637891867333	0	2.00E-04	1	0.0015	0	NA	NA
NM_001099282	ZNF239	0.396637891867333	0	2.00E-04	1	0.0015	0	NA	NA
NM_001099284	ZNF239	0.396637891867333	0	2.00E-04	1	0.0015	0	NA	NA
NM_152430	OR51E1	0.396183552930486	0	2.00E-04	1	0.0015	0	NA	NA
NM_001080503	CCDC159	0.396183552930486	0	2.00E-04	1	0.0015	0	NA	NA
NM_017785	SPDL1	0.512948659700136	0.117219445706497	2.00E-04	1	0.0015	0	NA	NA
NM_080738	EDARADD	0.395729213993639	0	2.00E-04	1	0.0015	0	NA	NA
NM_024854	PYROXD1	0.395729213993639	0	2.00E-04	1	0.0015	0	NA	NA

NM_080615	GCNT7	0.395274875056792	0	2.00E-04	1	0.0015	0	NA	NA
NM_145861	EDARADD	0.394820536119945	0	2.00E-04	1	0.0015	0	NA	NA
NM_033448	KRT71	0.394820536119945	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256871	USP17L3	0.394820536119945	0	0.9954	0.0046	1	0.1549	NA	NA
NM_001015001	CKMT1A	0.394366197183099	0	2.00E-04	1	0.0015	0	NA	NA
NM_001146037	SLC14A1	0.393003180372558	0	2.00E-04	1	0.0015	0	NA	NA
NM_001017534	CARD16	0.393003180372558	0	2.00E-04	1	0.0015	0	NA	NA
NM_052889	CARD16	0.393003180372558	0	2.00E-04	1	0.0015	0	NA	NA
NM_001136131	APP	0.392548841435711	0	2.00E-04	1	0.0015	0	NA	NA
NM_001136129	APP	0.392548841435711	0	2.00E-04	1	0.0015	0	NA	NA
NM_001204301	APP	0.392548841435711	0	2.00E-04	1	0.0015	0	NA	NA
NM_001204303	APP	0.392548841435711	0	2.00E-04	1	0.0015	0	NA	NA
NM_000484	APP	0.392548841435711	0	2.00E-04	1	0.0015	0	NA	NA
NM_201414	APP	0.392548841435711	0	2.00E-04	1	0.0015	0	NA	NA
NM_001136130	APP	0.392548841435711	0	2.00E-04	1	0.0015	0	NA	NA
NM_001204302	APP	0.392548841435711	0	2.00E-04	1	0.0015	0	NA	NA
NM_201413	APP	0.392548841435711	0	2.00E-04	1	0.0015	0	NA	NA
NM_001164434	KRTAP22-2	0.407996365288505	0.0154475238527942	2.00E-04	1	0.0015	0	NA	NA
NR_033861	LINC00514	0.392094502498864	0	0.005	0.9948	0.0249	0.001	NA	NA
NM_033127	SEC16B	0.391640163562017	0	2.00E-04	1	0.0015	0	NA	NA
NM_001163499	FBXO24	0.39118582462517	0	2.00E-04	1	0.0015	0	NA	NA
NM_012172	FBXO24	0.39118582462517	0	2.00E-04	1	0.0015	0	NA	NA
NM_024569	MPZL1	0.390731485688323	0	2.00E-04	1	0.0015	0	NA	NA
NM_003953	MPZL1	0.390731485688323	0	2.00E-04	1	0.0015	0	NA	NA
NM_001146191	MPZL1	0.390731485688323	0	2.00E-04	1	0.0015	0	NA	NA
NM_153368	GJD4	0.390731485688323	0	2.00E-04	1	0.0015	0	NA	NA
NM_000463	UGT1A1	0.390731485688323	0	2.00E-04	1	0.0015	0	NA	NA
NM_001105244	PTPRM	0.38982280781463	0	2.00E-04	1	0.0015	0	NA	NA
NM_002845	PTPRM	0.38982280781463	0	2.00E-04	1	0.0015	0	NA	NA
NM_000767	CYP2B6	0.38982280781463	0	2.00E-04	1	0.0015	0	NA	NA
NR_024163	CKS1B	0.389368468877783	0	2.00E-04	1	0.0015	0	NA	NA
NM_001826	CKS1B	0.389368468877783	0	2.00E-04	1	0.0015	0	NA	NA
NM_133447	AGAP11	0.389368468877783	0	2.00E-04	1	0.0015	0	NA	NA
NR_039969	MIR5047	0.399818264425261	0.0104497955474784	2.00E-04	1	0.0015	0	NA	NA
NM_001134939	OAZ3	0.388459791004089	0	2.00E-04	1	0.0015	0	NA	NA
NM_014717	ZNF536	0.388459791004089	0	2.00E-04	1	0.0015	0	NA	NA
NM_004077	CS	0.388005452067242	0	2.00E-04	1	0.0015	0	NA	NA
NM_017922	PRPF39	0.387551113130395	0	2.00E-04	1	0.0015	0	NA	NA
NM_005421	TAL2	0.387551113130395	0	2.00E-04	1	0.0015	0	NA	NA
NM_001142538	LGALS12	0.387096774193548	0	2.00E-04	1	0.0015	0	NA	NA
NM_001142537	LGALS12	0.387096774193548	0	2.00E-04	1	0.0015	0	NA	NA
NR_024128	OR3A4P	0.387096774193548	0	2.00E-04	1	0.0015	0	NA	NA
NM_001277307	MAGEB17	0.387096774193548	0	2.00E-04	1	0.0015	0	NA	NA
NM_030568	KHDC1	0.387096774193548	0	2.00E-04	1	0.0015	0	NA	NA
NM_001004697	OR2T5	0.386642435256701	0	2.00E-04	1	0.0015	0	NA	NA
NM_006993	NPM3	0.499772830531577	0.113584734211722	2.00E-04	1	0.0015	0	NA	NA
NR_040037	PTOV1-AS1	0.386188096319855	0	2.00E-04	1	0.0015	0	NA	NA



NM_153182	MINA	0.386188096319855	0	2.00E-04	1	0.0015	0	NA	NA
NM_001042533	MINA	0.386188096319855	0	2.00E-04	1	0.0015	0	NA	NA
NM_032778	MINA	0.386188096319855	0	2.00E-04	1	0.0015	0	NA	NA
NM_001261829	MINA	0.386188096319855	0	2.00E-04	1	0.0015	0	NA	NA
NM_002546	TNFRSF11B	0.386188096319855	0	2.00E-04	1	0.0015	0	NA	NA
NM_017878	HRASLS2	0.385733757383008	0	2.00E-04	1	0.0015	0	NA	NA
NM_001851	COL9A1	0.385733757383008	0	2.00E-04	1	0.0015	0	NA	NA
NR_003072	SNORD91A	0.385279418446161	0	2.00E-04	1	0.0015	0	NA	NA
NM_199290	NACA2	0.385279418446161	0	2.00E-04	1	0.0015	0	NA	NA
NR_015451	LINC00294	0.384825079509314	0	2.00E-04	1	0.0015	0	NA	NA
NM_152501	PYHIN1	0.384370740572467	0	2.00E-04	1	0.0015	0	NA	NA
NM_198928	PYHIN1	0.384370740572467	0	2.00E-04	1	0.0015	0	NA	NA
NM_198930	PYHIN1	0.384370740572467	0	2.00E-04	1	0.0015	0	NA	NA
NM_198929	PYHIN1	0.384370740572467	0	2.00E-04	1	0.0015	0	NA	NA
NM_178019	CATSPER3	0.384370740572467	0	2.00E-04	1	0.0015	0	NA	NA
NM_006250	PRH1	0.384370740572467	0	2.00E-04	1	0.0015	0	NA	NA
NR_003554	USP32P2	0.384370740572467	0	2.00E-04	1	0.0015	0	NA	NA
NM_021976	RXRБ	0.384370740572467	0	2.00E-04	1	0.0015	0	NA	NA
NM_001270401	RXRБ	0.384370740572467	0	2.00E-04	1	0.0015	0	NA	NA
NR_015368	LOC643837	0.383462062698773	0	2.00E-04	1	0.0015	0	NA	NA
NR_047526	LOC643837	0.383462062698773	0	2.00E-04	1	0.0015	0	NA	NA
NR_047524	LOC643837	0.383462062698773	0	2.00E-04	1	0.0015	0	NA	NA
NR_047523	LOC643837	0.383462062698773	0	2.00E-04	1	0.0015	0	NA	NA
NR_047522	LOC643837	0.383462062698773	0	2.00E-04	1	0.0015	0	NA	NA
NR_047521	LOC643837	0.383462062698773	0	2.00E-04	1	0.0015	0	NA	NA
NR_047520	LOC643837	0.383462062698773	0	2.00E-04	1	0.0015	0	NA	NA
NR_047519	LOC643837	0.383462062698773	0	2.00E-04	1	0.0015	0	NA	NA
NM_153747	PIGC	0.383462062698773	0	2.00E-04	1	0.0015	0	NA	NA
NM_002642	PIGC	0.383462062698773	0	2.00E-04	1	0.0015	0	NA	NA
NM_197975	BTNL3	0.383007723761926	0	2.00E-04	1	0.0015	0	NA	NA
NM_012374	OR4D1	0.381190368014539	0	2.00E-04	1	0.0015	0	NA	NA
NM_001079827	CLRN2	0.381190368014539	0	2.00E-04	1	0.0015	0	NA	NA
NM_001146181	LOC649330	0.380736029077692	0	2.00E-04	1	0.0015	0	NA	NA
NR_045861	ARMCX4	0.379827351203998	0	2.00E-04	1	0.0015	0	NA	NA
NR_045864	ARMCX4	0.379827351203998	0	2.00E-04	1	0.0015	0	NA	NA
NR_045862	ARMCX4	0.379827351203998	0	2.00E-04	1	0.0015	0	NA	NA
NR_045863	ARMCX4	0.379827351203998	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282445	EHD1	0.379827351203998	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282444	EHD1	0.379827351203998	0	2.00E-04	1	0.0015	0	NA	NA
NM_177405	CECR1	0.379827351203998	0	2.00E-04	1	0.0015	0	NA	NA
NM_012264	TMEM184B	0.379373012267151	0	4.00E-04	1	0.0037	1.00E-04	NA	NA
NM_001195072	TMEM184B	0.379373012267151	0	2.00E-04	1	0.0015	0	NA	NA
NM_001127454	DFNA5	0.379373012267151	0	2.00E-04	1	0.0015	0	NA	NA
NM_004403	DFNA5	0.379373012267151	0	2.00E-04	1	0.0015	0	NA	NA
NM_147180	PPP3R2	0.466151749204907	0.0872330758746025	2.00E-04	1	0.0015	0	NA	NA
NM_001004740	OR5M1	0.378918673330304	0	2.00E-04	1	0.0015	0	NA	NA
NR_027407	GOLGA8DP	0.378464334393458	0	2.00E-04	1	0.0015	0	NA	NA

NM_001001995	<i>GPM6B</i>	0.378464334393458	0	2.00E-04	1	0.0015	0	NA	NA
NM_005278	<i>GPM6B</i>	0.378464334393458	0	2.00E-04	1	0.0015	0	NA	NA
NM_001001996	<i>GPM6B</i>	0.378464334393458	0	2.00E-04	1	0.0015	0	NA	NA
NM_001130046	<i>CCL20</i>	0.378009995456611	0	2.00E-04	1	0.0015	0	NA	NA
NM_004591	<i>CCL20</i>	0.378009995456611	0	2.00E-04	1	0.0015	0	NA	NA
NM_001632	<i>ALPP</i>	0.378009995456611	0	2.00E-04	1	0.0015	0	NA	NA
NM_001242617	<i>NXT2</i>	0.378009995456611	0	2.00E-04	1	0.0015	0	NA	NA
NM_001002923	<i>IGFL4</i>	0.378009995456611	0	2.00E-04	1	0.0015	0	NA	NA
NM_001097622	<i>OCM</i>	0.474329850068151	0.0963198546115402	2.00E-04	1	0.0015	0	NA	NA
NM_030636	<i>EEPD1</i>	0.377101317582917	0	2.00E-04	1	0.0015	0	NA	NA
NM_000727	<i>CACNG1</i>	0.37664697864607	0	0.0026	0.9974	0.021	5.00E-04	NA	NA
NR_038979	<i>LOC100506207</i>	0.37664697864607	0	2.00E-04	1	0.0015	0	NA	NA
NR_038980	<i>LOC100506207</i>	0.37664697864607	0	2.00E-04	1	0.0015	0	NA	NA
NM_145306	<i>C10orf35</i>	0.376192639709223	0	2.00E-04	1	0.0015	0	NA	NA
NM_002286	<i>LAG3</i>	0.376192639709223	0	2.00E-04	1	0.0015	0	NA	NA
NM_001164579	<i>C16orf52</i>	0.376192639709223	0	2.00E-04	1	0.0015	0	NA	NA
NM_001717	<i>BNC1</i>	0.376192639709223	0	2.00E-04	1	0.0015	0	NA	NA
NM_000017	<i>ACADS</i>	0.423443889141299	0.0472512494320763	2.00E-04	1	0.0015	0	NA	NA
NM_194249	<i>DND1</i>	0.375738300772376	0	2.00E-04	1	0.0015	0	NA	NA
NM_001037732	<i>DEFB128</i>	0.375283961835529	0	2.00E-04	1	0.0015	0	NA	NA
NM_080838	<i>WISP1</i>	0.374829622898682	0	2.00E-04	1	0.0015	0	NA	NA
NR_037944	<i>WISP1</i>	0.374829622898682	0	2.00E-04	1	0.0015	0	NA	NA
NM_001204870	<i>WISP1</i>	0.374829622898682	0	2.00E-04	1	0.0015	0	NA	NA
NM_003882	<i>WISP1</i>	0.374829622898682	0	2.00E-04	1	0.0015	0	NA	NA
NM_001204869	<i>WISP1</i>	0.374829622898682	0	2.00E-04	1	0.0015	0	NA	NA
NM_022719	<i>DGCR14</i>	0.374829622898682	0	2.00E-04	1	0.0015	0	NA	NA
NM_001145287	<i>OPRM1</i>	0.374375283961836	0	2.00E-04	0.9998	0.0015	0	NA	NA
NM_002430	<i>MN1</i>	0.374375283961836	0	2.00E-04	1	0.0015	0	NA	NA
NM_021963	<i>NAP1L2</i>	0.374375283961836	0	2.00E-04	1	0.0015	0	NA	NA
NR_002912	<i>SNORA67</i>	0.373920945024989	0	2.00E-04	1	0.0015	0	NA	NA
NM_005723	<i>TSPAN5</i>	0.373920945024989	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256370	<i>SAMSN1</i>	0.500227169468423	0.126306224443435	2.00E-04	1	0.0015	0	NA	NA
NM_001257964	<i>BOD1L2</i>	0.373466606088142	0	2.00E-04	1	0.0015	0	NA	NA
NM_003645	<i>SLC27A2</i>	0.373012267151295	0	2.00E-04	1	0.0015	0	NA	NA
NM_001159629	<i>SLC27A2</i>	0.373012267151295	0	2.00E-04	1	0.0015	0	NA	NA
NR_024277	<i>AGPAT4-IT1</i>	0.436619718309859	0.0636074511585643	2.00E-04	1	0.0015	0	NA	NA
NM_080670	<i>SLC35A4</i>	0.378009995456611	0.00545206724216265	2.00E-04	1	0.0015	0	NA	NA
NM_022131	<i>CLSTN2</i>	0.372557928214448	0	2.00E-04	1	0.0015	0	NA	NA
NM_001080460	<i>LRRIQ4</i>	0.372557928214448	0	2.00E-04	1	0.0015	0	NA	NA
NM_001002925	<i>OR5AP2</i>	0.371649250340754	0	2.00E-04	1	0.0015	0	NA	NA
NM_015431	<i>TRIM58</i>	0.371194911403907	0	2.00E-04	1	0.0015	0	NA	NA
NM_001130043	<i>CRYZ</i>	0.371194911403907	0	2.00E-04	1	0.0015	0	NA	NA
NM_001130042	<i>CRYZ</i>	0.371194911403907	0	2.00E-04	1	0.0015	0	NA	NA
NM_001889	<i>CRYZ</i>	0.371194911403907	0	2.00E-04	1	0.0015	0	NA	NA
NM_001134759	<i>CRYZ</i>	0.371194911403907	0	2.00E-04	1	0.0015	0	NA	NA
NM_017518	<i>HAUS7</i>	0.371194911403907	0	2.00E-04	1	0.0015	0	NA	NA
NM_175068	<i>KRT73</i>	0.435711040436165	0.0645161290322581	2.00E-04	1	0.0015	0	NA	NA

NM_018412	ST7	0.37074057246706	0	2.00E-04	1	0.0015	0	NA	NA
NM_021908	ST7	0.37074057246706	0	2.00E-04	1	0.0015	0	NA	NA
NR_002329	ST7-OT4	0.37074057246706	0	2.00E-04	1	0.0015	0	NA	NA
NM_032412	CYSTM1	0.370286233530214	0	2.00E-04	1	0.0015	0	NA	NA
NM_020346	SLC17A6	0.369831894593367	0	2.00E-04	1	0.0015	0	NA	NA
NM_001006642	SLC25A25	0.369831894593367	0	2.00E-04	1	0.0015	0	NA	NA
NM_001265614	SLC25A25	0.369831894593367	0	2.00E-04	1	0.0015	0	NA	NA
NM_001004486	OR13H1	0.369831894593367	0	2.00E-04	1	0.0015	0	NA	NA
NR_033151	PLA2G4F	0.369831894593367	0	2.00E-04	1	0.0015	0	NA	NA
NM_213600	PLA2G4F	0.369831894593367	0	2.00E-04	1	0.0015	0	NA	NA
NM_019066	MAGEL2	0.36937755565652	0	2.00E-04	1	0.0015	0	NA	NA
NM_130840	ATP6VOA4	0.36937755565652	0	2.00E-04	1	0.0015	0	NA	NA
NM_020632	ATP6VOA4	0.36937755565652	0	2.00E-04	1	0.0015	0	NA	NA
NM_001039361	PRAMEF10	0.368014538845979	0	2.00E-04	1	0.0015	0	NA	NA
NM_152485	C1orf74	0.529304861426624	0.161744661517492	2.00E-04	1	0.0015	0	NA	NA
NM_019036	HMGCLL1	0.367560199909132	0	2.00E-04	1	0.0015	0	NA	NA
NM_001042406	HMGCLL1	0.367560199909132	0	2.00E-04	1	0.0015	0	NA	NA
NM_032980	DTNA	0.367105860972285	0	2.00E-04	1	0.0015	0	NA	NA
NM_032981	DTNA	0.367105860972285	0	2.00E-04	1	0.0015	0	NA	NA
NM_001721	BMX	0.367105860972285	0	2.00E-04	1	0.0015	0	NA	NA
NR_026932	PDCD4-AS1	0.367105860972285	0	2.00E-04	1	0.0015	0	NA	NA
NM_006284	TAF10	0.367105860972285	0	2.00E-04	1	0.0015	0	NA	NA
NM_145341	PDCD4	0.366651522035438	0	2.00E-04	1	0.0015	0	NA	NA
NM_001199492	PDCD4	0.366651522035438	0	2.00E-04	1	0.0015	0	NA	NA
NM_014456	PDCD4	0.366651522035438	0	2.00E-04	1	0.0015	0	NA	NA
NM_001622	AHSG	0.366651522035438	0	2.00E-04	1	0.0015	0	NA	NA
NM_012176	FBXO4	0.366651522035438	0	2.00E-04	1	0.0015	0	NA	NA
NM_033484	FBXO4	0.366651522035438	0	2.00E-04	1	0.0015	0	NA	NA
NM_005926	MFAP1	0.366651522035438	0	2.00E-04	1	0.0015	0	NA	NA
NM_005863	NET1	0.366197183098592	0	2.00E-04	1	0.0015	0	NA	NA
NR_073040	NET1	0.366197183098592	0	2.00E-04	1	0.0015	0	NA	NA
NM_005366	MAGEA11	0.365288505224898	0	2.00E-04	1	0.0015	0	NA	NA
NM_004482	GALNT3	0.482507950931395	0.117673784643344	2.00E-04	1	0.0015	0	NA	NA
NM_002591	PCK1	0.364379827351204	0	2.00E-04	1	0.0015	0	NA	NA
NM_018363	RNLS	0.364379827351204	0	2.00E-04	1	0.0015	0	NA	NA
NM_001031709	RNLS	0.364379827351204	0	2.00E-04	1	0.0015	0	NA	NA
NM_019104	LIN37	0.363925488414357	0	2.00E-04	1	0.0015	0	NA	NA
NM_005441	CHAF1B	0.363925488414357	0	2.00E-04	1	0.0015	0	NA	NA
NM_001004135	OR2A12	0.363925488414357	0	2.00E-04	1	0.0015	0	NA	NA
NM_006379	SEMA3C	0.363925488414357	0	2.00E-04	1	0.0015	0	NA	NA
NM_181840	KCNK18	0.36347114947751	0	2.00E-04	1	0.0015	0	NA	NA
NM_004363	CEACAM5	0.36347114947751	0	2.00E-04	1	0.0015	0	NA	NA
NM_138342	GLB1L2	0.362562471603816	0	2.00E-04	1	0.0015	0	NA	NA
NR_037699	SAFB	0.362562471603816	0	2.00E-04	1	0.0015	0	NA	NA
NM_002967	SAFB	0.362562471603816	0	2.00E-04	1	0.0015	0	NA	NA
NM_001201340	SAFB	0.362562471603816	0	2.00E-04	1	0.0015	0	NA	NA
NM_001201338	SAFB	0.362562471603816	0	2.00E-04	1	0.0015	0	NA	NA

NM_001201339	SAFB	0.362562471603816	0	2.00E-04	1	0.0015	0	NA	NA
NM_018293	ZNF654	0.362562471603816	0	2.00E-04	1	0.0015	0	NA	NA
NM_018361	AGPAT5	0.36210813266697	0	2.00E-04	1	0.0015	0	NA	NA
NM_002371	MAL	0.361653793730123	0	2.00E-04	1	0.0015	0	NA	NA
NM_022440	MAL	0.361653793730123	0	2.00E-04	1	0.0015	0	NA	NA
NM_022439	MAL	0.361653793730123	0	2.00E-04	1	0.0015	0	NA	NA
NM_022438	MAL	0.361653793730123	0	2.00E-04	1	0.0015	0	NA	NA
NM_181610	KRTAP19-4	0.361653793730123	0	2.00E-04	1	0.0015	0	NA	NA
NM_182910	SYNE2	0.361199454793276	0	2.00E-04	1	0.0015	0	NA	NA
NR_027252	CYP1B1-AS1	0.393457519309405	0.032258064516129	2.00E-04	1	0.0015	0	NA	NA
NM_018557	LRP1B	0.360745115856429	0	2.00E-04	1	0.0015	0	NA	NA
NR_003015	SNORA53	0.360290776919582	0	2.00E-04	1	0.0015	0	NA	NA
NM_001193636	DHRS4L2	0.360290776919582	0	2.00E-04	1	0.0015	0	NA	NA
NM_001193637	DHRS4L2	0.360290776919582	0	2.00E-04	1	0.0015	0	NA	NA
NM_001193635	DHRS4L2	0.360290776919582	0	2.00E-04	1	0.0015	0	NA	NA
NM_013936	OR12D2	0.360290776919582	0	2.00E-04	1	0.0015	0	NA	NA
NM_001195195	TP53AIP1	0.358927760109041	0	2.00E-04	1	0.0015	0	NA	NA
NM_001251964	TP53AIP1	0.358927760109041	0	2.00E-04	1	0.0015	0	NA	NA
NM_022112	TP53AIP1	0.358927760109041	0	2.00E-04	1	0.0015	0	NA	NA
NM_002487	NDN	0.358927760109041	0	2.00E-04	1	0.0015	0	NA	NA
NM_001098844	TMEM236	0.358473421172194	0	2.00E-04	1	0.0015	0	NA	NA
NM_207341	ZP1	0.358473421172194	0	2.00E-04	1	0.0015	0	NA	NA
NM_001244713	RAD23B	0.358473421172194	0	2.00E-04	1	0.0015	0	NA	NA
NM_014759	PHYHIP	0.358473421172194	0	2.00E-04	1	0.0015	0	NA	NA
NM_001099335	PHYHIP	0.358473421172194	0	2.00E-04	1	0.0015	0	NA	NA
NM_001166055	EDNRA	0.358019082235348	0	2.00E-04	1	0.0015	0	NA	NA
NM_001957	EDNRA	0.358019082235348	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256283	EDNRA	0.358019082235348	0	2.00E-04	1	0.0015	0	NA	NA
NR_045958	EDNRA	0.358019082235348	0	2.00E-04	1	0.0015	0	NA	NA
NR_028508	PART1	0.358019082235348	0	2.00E-04	0.9998	0.0015	0	NA	NA
NR_028509	PART1	0.358019082235348	0	6.00E-04	1	0.005	1.00E-04	NA	NA
NM_206933	USH2A	0.358019082235348	0	2.00E-04	1	0.0015	0	NA	NA
NM_007123	USH2A	0.358019082235348	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256615	LOC149373	0.357564743298501	0	2.00E-04	1	0.0015	0	NA	NA
NM_004138	KRT33A	0.357564743298501	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256312	STK3	0.357110404361654	0	2.00E-04	1	0.0015	0	NA	NA
NR_023311	ZNF137P	0.356656065424807	0	2.00E-04	1	0.0015	0	NA	NA
NR_026821	FAM138B	0.356656065424807	0	2.00E-04	1	0.0015	0	NA	NA
NM_001783	CD79A	0.35620172648796	0	2.00E-04	1	0.0015	0	NA	NA
NM_021601	CD79A	0.35620172648796	0	2.00E-04	1	0.0015	0	NA	NA
NM_053001	OSR2	0.35620172648796	0	2.00E-04	1	0.0015	0	NA	NA
NM_001142462	OSR2	0.35620172648796	0	2.00E-04	1	0.0015	0	NA	NA
NM_001007139	IGF2	0.35620172648796	0	2.00E-04	1	0.0015	0	NA	NA
NR_003246	GOLGA6L5	0.35620172648796	0	2.00E-04	1	0.0015	0	NA	NA
NM_001004695	OR2T33	0.355747387551113	0	2.00E-04	1	0.0015	0	NA	NA
NM_001142316	LMO2	0.355747387551113	0	2.00E-04	1	0.0015	0	NA	NA
NM_001142315	LMO2	0.355747387551113	0	2.00E-04	1	0.0015	0	NA	NA

NR_002714	REG1P	0.355747387551113	0	2.00E-04	1	0.0015	0	NA	NA
NM_004564	PET112	0.355747387551113	0	2.00E-04	1	0.0015	0	NA	NA
NM_020245	TULP4	0.355293048614266	0	2.00E-04	1	0.0015	0	NA	NA
NM_001007466	TULP4	0.355293048614266	0	2.00E-04	1	0.0015	0	NA	NA
NR_034145	LINC00670	0.354838709677419	0	2.00E-04	1	0.0015	0	NA	NA
NR_034144	LINC00670	0.354838709677419	0	2.00E-04	1	0.0015	0	NA	NA
NM_001025252	TPD52	0.354384370740572	0	2.00E-04	1	0.0015	0	NA	NA
NM_001005466	OR10G2	0.353930031803726	0	2.00E-04	1	0.0015	0	NA	NA
NR_003582	ATP8B5P	0.353475692866879	0	2.00E-04	1	0.0015	0	NA	NA
NR_003581	ATP8B5P	0.353475692866879	0	2.00E-04	1	0.0015	0	NA	NA
NM_019060	CRCT1	0.353021353930032	0	2.00E-04	1	0.0015	0	NA	NA
NR_045125	HIST1H2APS1	0.353021353930032	0	2.00E-04	1	0.0015	0	NA	NA
NM_014985	CEP152	0.353021353930032	0	2.00E-04	1	0.0015	0	NA	NA
NM_001194998	CEP152	0.353021353930032	0	2.00E-04	1	0.0015	0	NA	NA
NM_203458	NOTCH2NL	0.403907314856883	0.0508859609268514	2.00E-04	1	0.0015	0	NA	NA
NM_001167670	TMEM239	0.352567014993185	0	2.00E-04	1	0.0015	0	NA	NA
NM_001001325	SPINK14	0.352567014993185	0	2.00E-04	1	0.0015	0	NA	NA
NM_006786	UTS2	0.352567014993185	0	2.00E-04	1	0.0015	0	NA	NA
NM_207385	C16orf47	0.352112676056338	0	2.00E-04	1	0.0015	0	NA	NA
NM_001005170	OR52I2	0.351658337119491	0	2.00E-04	1	0.0015	0	NA	NA
NM_002811	PSMD7	0.351203998182644	0	2.00E-04	1	0.0015	0	NA	NA
NM_001198664	GNG10	0.351203998182644	0	2.00E-04	1	0.0015	0	NA	NA
NM_001017998	GNG10	0.351203998182644	0	2.00E-04	1	0.0015	0	NA	NA
NM_001143831	GRM5	0.350749659245797	0	2.00E-04	1	0.0015	0	NA	NA
NM_021191	NEUROD4	0.35029532030895	0	2.00E-04	1	0.0015	0	NA	NA
NM_001014977	BANF2	0.35029532030895	0	2.00E-04	1	0.0015	0	NA	NA
NM_178477	BANF2	0.35029532030895	0	2.00E-04	1	0.0015	0	NA	NA
NM_024105	ALG12	0.35029532030895	0	2.00E-04	1	0.0015	0	NA	NA
NM_002825	PTN	0.349840981372104	0	2.00E-04	1	0.0015	0	NA	NA
NM_001172702	SLC38A6	0.349386642435257	0	2.00E-04	1	0.0015	0	NA	NA
NM_153811	SLC38A6	0.349386642435257	0	2.00E-04	1	0.0015	0	NA	NA
NR_033344	SLC38A6	0.349386642435257	0	2.00E-04	1	0.0015	0	NA	NA
NM_001040448	DEFB131	0.349386642435257	0	2.00E-04	1	0.0015	0	NA	NA
NM_002241	KCNJ10	0.349386642435257	0	2.00E-04	1	0.0015	0	NA	NA
NM_022436	ABCG5	0.349386642435257	0	2.00E-04	1	0.0015	0	NA	NA
NM_006837	COPS5	0.349386642435257	0	2.00E-04	1	0.0015	0	NA	NA
NM_001145774	GPR56	0.34893230349841	0	2.00E-04	1	0.0015	0	NA	NA
NM_024790	CSPP1	0.34893230349841	0	2.00E-04	1	0.0015	0	NA	NA
NM_001252195	C9orf24	0.34893230349841	0	0.0108	0.992	0.0657	0.002	NA	NA
NM_147169	C9orf24	0.34893230349841	0	0.0118	0.988	0.0657	0.0022	NA	NA
NM_147168	C9orf24	0.34893230349841	0	0.0126	0.9902	0.0657	0.0024	NA	NA
NM_015315	LARP1	0.348477964561563	0	2.00E-04	1	0.0015	0	NA	NA
NM_002177	IFNW1	0.348477964561563	0	2.00E-04	1	0.0015	0	NA	NA
NR_023390	LINC00476	0.348477964561563	0	2.00E-04	1	0.0015	0	NA	NA
NR_023389	LINC00476	0.348477964561563	0	2.00E-04	1	0.0015	0	NA	NA
NM_020141	TMEM167B	0.347569286687869	0	2.00E-04	1	0.0015	0	NA	NA
NR_029374	LEF1-AS1	0.347569286687869	0	2.00E-04	1	0.0015	0	NA	NA

NR_002447	SNORD24	0.347569286687869	0	2.00E-04	1	0.0015	0	NA	NA
NM_032404	TMPRSS3	0.347569286687869	0	2.00E-04	1	0.0015	0	NA	NA
NM_004374	COX6C	0.347569286687869	0	2.00E-04	1	0.0015	0	NA	NA
NM_022150	NPVF	0.371194911403907	0.0236256247160382	2.00E-04	1	0.0015	0	NA	NA
NM_001122838	NAPEPLD	0.346660608814175	0	2.00E-04	1	0.0015	0	NA	NA
NM_198990	NAPEPLD	0.346660608814175	0	2.00E-04	1	0.0015	0	NA	NA
NM_002578	PAK3	0.346206269877328	0	2.00E-04	1	0.0015	0	NA	NA
NM_001005213	OR9G1	0.345751930940482	0	2.00E-04	1	0.0015	0	NA	NA
NM_001013358	OR9G9	0.345751930940482	0	2.00E-04	1	0.0015	0	NA	NA
NM_006018	HCAR3	0.345751930940482	0	2.00E-04	1	0.0015	0	NA	NA
NM_001496	GFRA3	0.345751930940482	0	2.00E-04	1	0.0015	0	NA	NA
NM_001197223	PDE4D	0.456610631531122	0.111767378464334	2.00E-04	1	0.0015	0	NA	NA
NM_001166159	NDUFS2	0.344843253066788	0	2.00E-04	1	0.0015	0	NA	NA
NM_031923	TAF3	0.344843253066788	0	2.00E-04	1	0.0015	0	NA	NA
NM_130390	TRIM34	0.344843253066788	0	2.00E-04	1	0.0015	0	NA	NA
NM_002427	MMP13	0.344843253066788	0	2.00E-04	1	0.0015	0	NA	NA
NM_012352	OR1A2	0.344388914129941	0	2.00E-04	1	0.0015	0	NA	NA
NM_144988	ALG14	0.344388914129941	0	2.00E-04	1	0.0015	0	NA	NA
NM_032583	ABCC11	0.344388914129941	0	2.00E-04	1	0.0015	0	NA	NA
NM_145186	ABCC11	0.344388914129941	0	2.00E-04	1	0.0015	0	NA	NA
NM_001127453	DFNA5	0.344388914129941	0	2.00E-04	1	0.0015	0	NA	NA
NM_031457	MS4A8	0.343480236256247	0	2.00E-04	1	0.0015	0	NA	NA
NM_001278426	LILRB4	0.343480236256247	0	2.00E-04	1	0.0015	0	NA	NA
NM_001278427	LILRB4	0.343480236256247	0	2.00E-04	1	0.0015	0	NA	NA
NM_001278429	LILRB4	0.343480236256247	0	2.00E-04	1	0.0015	0	NA	NA
NM_001278430	LILRB4	0.343480236256247	0	2.00E-04	1	0.0015	0	NA	NA
NM_001278428	LILRB4	0.343480236256247	0	2.00E-04	1	0.0015	0	NA	NA
NM_031302	GLT8D2	0.343480236256247	0	2.00E-04	1	0.0015	0	NA	NA
NM_001040425	U2AF1L4	0.3430258973194	0	2.00E-04	1	0.0015	0	NA	NA
NM_144987	U2AF1L4	0.3430258973194	0	2.00E-04	1	0.0015	0	NA	NA
NM_001198944	DTNA	0.342117219445706	0	2.00E-04	1	0.0015	0	NA	NA
NM_001198942	DTNA	0.342117219445706	0	2.00E-04	1	0.0015	0	NA	NA
NM_021636	LGR6	0.341208541572013	0	2.00E-04	1	0.0015	0	NA	NA
NM_033198	PIGS	0.341208541572013	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256733	SSBP2	0.341208541572013	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256736	SSBP2	0.341208541572013	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256735	SSBP2	0.341208541572013	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256734	SSBP2	0.341208541572013	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256732	SSBP2	0.341208541572013	0	2.00E-04	1	0.0015	0	NA	NA
NM_012446	SSBP2	0.341208541572013	0	2.00E-04	1	0.0015	0	NA	NA
NM_017544	NKRF	0.341208541572013	0	2.00E-04	1	0.0015	0	NA	NA
NM_001173487	NKRF	0.341208541572013	0	2.00E-04	1	0.0015	0	NA	NA
NM_015542	UPF2	0.340754202635166	0	2.00E-04	1	0.0015	0	NA	NA
NM_080599	UPF2	0.340754202635166	0	2.00E-04	1	0.0015	0	NA	NA
NM_006687	ACTL7A	0.47887323943662	0.138573375738301	2.00E-04	1	0.0015	0	NA	NA
NM_006078	CACNG2	0.339845524761472	0	2.00E-04	1	0.0015	0	NA	NA
NM_014751	MTSS1	0.339845524761472	0	2.00E-04	1	0.0015	0	NA	NA

NM_001282971	MTSS1	0.339845524761472	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282974	MTSS1	0.339845524761472	0	2.00E-04	1	0.0015	0	NA	NA
NM_183001	SHC1	0.339391185824625	0	2.00E-04	1	0.0015	0	NA	NA
NM_001130040	SHC1	0.339391185824625	0	2.00E-04	1	0.0015	0	NA	NA
NM_005019	PDE1A	0.339391185824625	0	2.00E-04	1	0.0015	0	NA	NA
NM_001142478	NREP	0.339391185824625	0	2.00E-04	1	0.0015	0	NA	NA
NM_025260	C6orf25	0.408905043162199	0.0699681962744207	2.00E-04	1	0.0015	0	NA	NA
NM_138275	C6orf25	0.408905043162199	0.0699681962744207	2.00E-04	1	0.0015	0	NA	NA
NM_138274	C6orf25	0.408905043162199	0.0699681962744207	2.00E-04	1	0.0015	0	NA	NA
NM_138277	C6orf25	0.408905043162199	0.0699681962744207	2.00E-04	1	0.0015	0	NA	NA
NM_138273	C6orf25	0.408905043162199	0.0699681962744207	2.00E-04	1	0.0015	0	NA	NA
NM_138272	C6orf25	0.408905043162199	0.0699681962744207	2.00E-04	1	0.0015	0	NA	NA
NM_001146344	PRAMEF11	0.338936846887778	0	2.00E-04	1	0.0015	0	NA	NA
NM_003895	SYNJ1	0.338936846887778	0	2.00E-04	1	0.0015	0	NA	NA
NM_203446	SYNJ1	0.338936846887778	0	2.00E-04	1	0.0015	0	NA	NA
NM_000507	FBP1	0.338936846887778	0	2.00E-04	1	0.0015	0	NA	NA
NM_001127628	FBP1	0.338936846887778	0	2.00E-04	1	0.0015	0	NA	NA
NM_019892	INPP5E	0.338936846887778	0	2.00E-04	1	0.0015	0	NA	NA
NM_006256	PKN2	0.338482507950931	0	2.00E-04	1	0.0015	0	NA	NA
NM_007245	ATXN2L	0.338482507950931	0	2.00E-04	1	0.0015	0	NA	NA
NM_148415	ATXN2L	0.338482507950931	0	2.00E-04	1	0.0015	0	NA	NA
NM_148416	ATXN2L	0.338482507950931	0	2.00E-04	1	0.0015	0	NA	NA
NM_145714	ATXN2L	0.338482507950931	0	2.00E-04	1	0.0015	0	NA	NA
NM_017492	ATXN2L	0.338482507950931	0	2.00E-04	1	0.0015	0	NA	NA
NM_148414	ATXN2L	0.338482507950931	0	2.00E-04	1	0.0015	0	NA	NA
NM_001170780	FAM122C	0.338482507950931	0	2.00E-04	1	0.0015	0	NA	NA
NM_002935	RNASE3	0.338028169014085	0	2.00E-04	1	0.0015	0	NA	NA
NM_001122819	KIF17	0.338028169014085	0	2.00E-04	1	0.0015	0	NA	NA
NM_020816	KIF17	0.338028169014085	0	2.00E-04	1	0.0015	0	NA	NA
NM_005323	HIST1H1T	0.338028169014085	0	2.00E-04	1	0.0015	0	NA	NA
NM_001029883	C2orf71	0.337573830077238	0	4.00E-04	0.9994	0.0037	1.00E-04	NA	NA
NM_001124756	PABPC1L	0.337119491140391	0	2.00E-04	1	0.0015	0	NA	NA
NM_021999	ITM2B	0.336665152203544	0	2.00E-04	1	0.0015	0	NA	NA
NM_014329	EDC4	0.336665152203544	0	2.00E-04	1	0.0015	0	NA	NA
NM_001276436	KCNJ15	0.336665152203544	0	2.00E-04	1	0.0015	0	NA	NA
NM_001276435	KCNJ15	0.336665152203544	0	2.00E-04	1	0.0015	0	NA	NA
NM_002243	KCNJ15	0.336665152203544	0	2.00E-04	1	0.0015	0	NA	NA
NM_007184	NISCH	0.336665152203544	0	2.00E-04	1	0.0015	0	NA	NA
NM_001276294	NISCH	0.336665152203544	0	2.00E-04	1	0.0015	0	NA	NA
NM_001276293	NISCH	0.336665152203544	0	2.00E-04	1	0.0015	0	NA	NA
NM_024873	TNIP3	0.336665152203544	0	2.00E-04	1	0.0015	0	NA	NA
NM_021072	HCN1	0.336665152203544	0	2.00E-04	1	0.0015	0	NA	NA
NM_001134476	LRRC8B	0.336210813266697	0	2.00E-04	1	0.0015	0	NA	NA
NM_001042432	CLN3	0.33575647432985	0	2.00E-04	1	0.0015	0	NA	NA
NM_000086	CLN3	0.33575647432985	0	2.00E-04	1	0.0015	0	NA	NA
NR_026987	LOC339524	0.335302135393003	0	2.00E-04	1	0.0015	0	NA	NA
NR_026986	LOC339524	0.335302135393003	0	2.00E-04	1	0.0015	0	NA	NA

NR_026985	LOC339524	0.335302135393003	0	2.00E-04	1	0.0015	0	NA	NA
NM_001460	FMO2	0.335302135393003	0	2.00E-04	1	0.0015	0	NA	NA
NM_000465	BARD1	0.335302135393003	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282543	BARD1	0.335302135393003	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282545	BARD1	0.335302135393003	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282548	BARD1	0.335302135393003	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282549	BARD1	0.335302135393003	0	2.00E-04	1	0.0015	0	NA	NA
NR_104212	BARD1	0.335302135393003	0	2.00E-04	1	0.0015	0	NA	NA
NR_104215	BARD1	0.335302135393003	0	2.00E-04	1	0.0015	0	NA	NA
NR_104216	BARD1	0.335302135393003	0	2.00E-04	1	0.0015	0	NA	NA
NM_033646	CDH7	0.334847796456156	0	2.00E-04	1	0.0015	0	NA	NA
NM_001199938	EBLN1	0.334847796456156	0	2.00E-04	1	0.0015	0	NA	NA
NM_001166688	PFKM	0.334393457519309	0	2.00E-04	1	0.0015	0	NA	NA
NM_001166687	PFKM	0.334393457519309	0	2.00E-04	1	0.0015	0	NA	NA
NM_001204478	TVP23C-CDRT4	0.334393457519309	0	2.00E-04	1	0.0015	0	NA	NA
NR_037924	TVP23C-CDRT4	0.334393457519309	0	2.00E-04	1	0.0015	0	NA	NA
NM_001135036	TVP23C	0.334393457519309	0	2.00E-04	1	0.0015	0	NA	NA
NM_145301	TVP23C	0.334393457519309	0	2.00E-04	1	0.0015	0	NA	NA
NR_073393	SSX9	0.334393457519309	0	2.00E-04	1	0.0015	0	NA	NA
NM_144614	MBD3L2	0.333939118582463	0	2.00E-04	1	0.0015	0	NA	NA
NM_001040662	METTL21D	0.333939118582463	0	2.00E-04	1	0.0015	0	NA	NA
NM_024558	METTL21D	0.333939118582463	0	2.00E-04	1	0.0015	0	NA	NA
NR_049739	METTL21D	0.333939118582463	0	2.00E-04	1	0.0015	0	NA	NA
NR_049738	METTL21D	0.333939118582463	0	2.00E-04	1	0.0015	0	NA	NA
NR_030697	TRAPPC1	0.333939118582463	0	2.00E-04	1	0.0015	0	NA	NA
NM_001166621	TRAPPC1	0.333939118582463	0	2.00E-04	1	0.0015	0	NA	NA
NM_001743	CALM2	0.333484779645616	0	2.00E-04	1	0.0015	0	NA	NA
NM_005664	MKRN3	0.332576101771922	0	2.00E-04	1	0.0015	0	NA	NA
NM_147193	GLIS1	0.332576101771922	0	2.00E-04	1	0.0015	0	NA	NA
NM_019053	EXOC6	0.332121762835075	0	2.00E-04	1	0.0015	0	NA	NA
NM_170736	KCNJ15	0.332121762835075	0	2.00E-04	1	0.0015	0	NA	NA
NM_198691	KRTAP10-1	0.332121762835075	0	2.00E-04	1	0.0015	0	NA	NA
NM_000936	PNLIP	0.331213084961381	0	2.00E-04	1	0.0015	0	NA	NA
NM_001004757	OR51Q1	0.331213084961381	0	2.00E-04	1	0.0015	0	NA	NA
NM_005313	PDIA3	0.331213084961381	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282645	PRKCCQ	0.331213084961381	0	2.00E-04	1	0.0015	0	NA	NA
NM_006257	PRKCCQ	0.331213084961381	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282644	PRKCCQ	0.331213084961381	0	2.00E-04	1	0.0015	0	NA	NA
NM_001242413	PRKCCQ	0.331213084961381	0	2.00E-04	1	0.0015	0	NA	NA
NM_001257195	KLHL3	0.331213084961381	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282949	COPS7B	0.330758746024534	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282951	COPS7B	0.330758746024534	0	2.00E-04	1	0.0015	0	NA	NA
NM_012353	OR1C1	0.330758746024534	0	2.00E-04	1	0.0015	0	NA	NA
NR_037676	FRMD6-AS1	0.330758746024534	0	2.00E-04	1	0.0015	0	NA	NA
NM_003891	PROZ	0.330304407087687	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256134	PROZ	0.330304407087687	0	2.00E-04	1	0.0015	0	NA	NA
NM_019010	KRT20	0.330304407087687	0	2.00E-04	1	0.0015	0	NA	NA



NM_153237	TMEM252	0.330304407087687	0	2.00E-04	1	0.0015	0	NA	NA
NM_001169107	FAM21C	0.329850068150841	0	2.00E-04	1	0.0015	0	NA	NA
NM_001169106	FAM21C	0.329850068150841	0	2.00E-04	1	0.0015	0	NA	NA
NM_015262	FAM21C	0.329850068150841	0	2.00E-04	1	0.0015	0	NA	NA
NM_198329	UBA5	0.329850068150841	0	2.00E-04	1	0.0015	0	NA	NA
NM_032926	TCEAL3	0.329850068150841	0	2.00E-04	1	0.0015	0	NA	NA
NM_001006933	TCEAL3	0.329850068150841	0	2.00E-04	1	0.0015	0	NA	NA
NM_004213	SLC28A1	0.329395729213994	0	2.00E-04	1	0.0015	0	NA	NA
NM_201651	SLC28A1	0.329395729213994	0	2.00E-04	1	0.0015	0	NA	NA
NM_015595	ARHGEF26	0.329395729213994	0	2.00E-04	1	0.0015	0	NA	NA
NM_001251963	ARHGEF26	0.329395729213994	0	2.00E-04	1	0.0015	0	NA	NA
NM_181684	KRTAP12-2	0.328941390277147	0	2.00E-04	1	0.0015	0	NA	NA
NM_020666	CLK4	0.328941390277147	0	2.00E-04	1	0.0015	0	NA	NA
NR_001435	HLA-DPB2	0.3284870513403	0	2.00E-04	1	0.0015	0	NA	NA
NM_001079534	CPEB1	0.3284870513403	0	2.00E-04	1	0.0015	0	NA	NA
NM_001079533	CPEB1	0.3284870513403	0	2.00E-04	1	0.0015	0	NA	NA
NM_001079535	CPEB1	0.3284870513403	0	2.00E-04	1	0.0015	0	NA	NA
NM_173358	SSX7	0.3284870513403	0	2.00E-04	1	0.0015	0	NA	NA
NM_004992	MECP2	0.328032712403453	0	2.00E-04	1	0.0015	0	NA	NA
NM_001110792	MECP2	0.328032712403453	0	2.00E-04	1	0.0015	0	NA	NA
NM_017857	SSH3	0.327578373466606	0	8.00E-04	0.9998	0.0072	2.00E-04	NA	NA
NM_006984	CLDN10	0.327578373466606	0	2.00E-04	1	0.0015	0	NA	NA
NM_001242640	BRCC3	0.327578373466606	0	2.00E-04	1	0.0015	0	NA	NA
NM_024332	BRCC3	0.327578373466606	0	2.00E-04	1	0.0015	0	NA	NA
NM_001018055	BRCC3	0.327578373466606	0	2.00E-04	1	0.0015	0	NA	NA
NM_001143937	PSMA1	0.327578373466606	0	2.00E-04	1	0.0015	0	NA	NA
NM_002786	PSMA1	0.327578373466606	0	2.00E-04	1	0.0015	0	NA	NA
NM_001163148	ETV1	0.327124034529759	0	2.00E-04	1	0.0015	0	NA	NA
NM_001163149	ETV1	0.327124034529759	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282279	PYCR1	0.472512494320763	0.145388459791004	2.00E-04	1	0.0015	0	NA	NA
NM_001282280	PYCR1	0.472512494320763	0.145388459791004	2.00E-04	1	0.0015	0	NA	NA
NM_001159747	CC2D2B	0.326669695592912	0	2.00E-04	1	0.0015	0	NA	NA
NM_001001732	CC2D2B	0.326669695592912	0	2.00E-04	1	0.0015	0	NA	NA
NM_001195685	LYPD6	0.326669695592912	0	2.00E-04	1	0.0015	0	NA	NA
NM_001166163	PPP1R9A	0.326669695592912	0	2.00E-04	1	0.0015	0	NA	NA
NM_001166161	PPP1R9A	0.326669695592912	0	2.00E-04	1	0.0015	0	NA	NA
NM_001166162	PPP1R9A	0.326669695592912	0	2.00E-04	1	0.0015	0	NA	NA
NM_001005169	OR52I1	0.326215356656065	0	2.00E-04	1	0.0015	0	NA	NA
NM_003852	TRIM24	0.326215356656065	0	2.00E-04	1	0.0015	0	NA	NA
NM_015905	TRIM24	0.326215356656065	0	2.00E-04	1	0.0015	0	NA	NA
NM_001172700	SHROOM1	0.326215356656065	0	2.00E-04	1	0.0015	0	NA	NA
NM_001136275	AKIRIN1	0.325761017719219	0	2.00E-04	1	0.0015	0	NA	NA
NM_024595	AKIRIN1	0.325761017719219	0	2.00E-04	1	0.0015	0	NA	NA
NM_001270410	LIN9	0.325761017719219	0	2.00E-04	1	0.0015	0	NA	NA
NM_001270409	LIN9	0.325761017719219	0	2.00E-04	1	0.0015	0	NA	NA
NM_173083	LIN9	0.325761017719219	0	2.00E-04	1	0.0015	0	NA	NA
NM_145203	CSNK1A1L	0.325761017719219	0	2.00E-04	1	0.0015	0	NA	NA

NM_001164356	THAP4	0.325761017719219	0	2.00E-04	1	0.0015	0	NA	NA
NM_021804	ACE2	0.325761017719219	0	2.00E-04	1	0.0015	0	NA	NA
NM_080928	ASB15	0.325306678782372	0	2.00E-04	1	0.0015	0	NA	NA
NM_000992	RPL29	0.325306678782372	0	2.00E-04	1	0.0015	0	NA	NA
NM_000697	ALOX12	0.506133575647433	0.180826896865061	2.00E-04	1	0.0015	0	NA	NA
NM_000070	CAPN3	0.324852339845525	0	2.00E-04	1	0.0015	0	NA	NA
NM_173087	CAPN3	0.324852339845525	0	2.00E-04	1	0.0015	0	NA	NA
NM_024344	CAPN3	0.324852339845525	0	2.00E-04	1	0.0015	0	NA	NA
NM_006910	RBBP6	0.324852339845525	0	2.00E-04	1	0.0015	0	NA	NA
NM_018703	RBBP6	0.324852339845525	0	2.00E-04	1	0.0015	0	NA	NA
NM_032626	RBBP6	0.324852339845525	0	2.00E-04	1	0.0015	0	NA	NA
NR_039875	MIR4723	0.324398000908678	0	2.00E-04	1	0.0015	0	NA	NA
NM_015295	SMCHD1	0.324398000908678	0	2.00E-04	1	0.0015	0	NA	NA
NM_004815	ARHGAP29	0.324398000908678	0	2.00E-04	1	0.0015	0	NA	NA
NM_139315	TAF6	0.324398000908678	0	2.00E-04	1	0.0015	0	NA	NA
NR_033792	TAF6	0.324398000908678	0	2.00E-04	1	0.0015	0	NA	NA
NM_005641	TAF6	0.324398000908678	0	2.00E-04	1	0.0015	0	NA	NA
NM_001190415	TAF6	0.324398000908678	0	2.00E-04	1	0.0015	0	NA	NA
NM_001163264	PCYT1B	0.324398000908678	0	2.00E-04	1	0.0015	0	NA	NA
NM_001281429	PCED1B	0.323943661971831	0	2.00E-04	1	0.0015	0	NA	NA
NM_138371	PCED1B	0.323943661971831	0	2.00E-04	1	0.0015	0	NA	NA
NM_001024075	HNMT	0.323943661971831	0	2.00E-04	1	0.0015	0	NA	NA
NM_001024074	HNMT	0.323943661971831	0	2.00E-04	1	0.0015	0	NA	NA
NM_006895	HNMT	0.323943661971831	0	2.00E-04	1	0.0015	0	NA	NA
NM_016485	VTA1	0.323943661971831	0	2.00E-04	1	0.0015	0	NA	NA
NM_198511	LANCL3	0.421172194457065	0.097228532485234	2.00E-04	1	0.0015	0	NA	NA
NM_001170331	LANCL3	0.421172194457065	0.097228532485234	2.00E-04	1	0.0015	0	NA	NA
NM_006234	POLR2J	0.323943661971831	0	2.00E-04	1	0.0015	0	NA	NA
NM_004162	RAB5A	0.467514766015448	0.144025442980463	2.00E-04	1	0.0015	0	NA	NA
NM_001037329	CNGA4	0.323489323034984	0	2.00E-04	1	0.0015	0	NA	NA
NM_001160213	PMFBP1	0.323489323034984	0	2.00E-04	1	0.0015	0	NA	NA
NM_031293	PMFBP1	0.323489323034984	0	2.00E-04	1	0.0015	0	NA	NA
NM_006664	CCL27	0.323489323034984	0	2.00E-04	1	0.0015	0	NA	NA
NM_018958	NPAP1	0.323034984098137	0	2.00E-04	1	0.0015	0	NA	NA
NM_181686	KRTAP12-1	0.323034984098137	0	2.00E-04	1	0.0015	0	NA	NA
NM_052966	FAM129A	0.32258064516129	0	2.00E-04	1	0.0015	0	NA	NA
NM_004995	MMP14	0.322126306224443	0	2.00E-04	1	0.0015	0	NA	NA
NM_001204078	ATP6V1G2	0.322126306224443	0	2.00E-04	1	0.0015	0	NA	NA
NM_138282	ATP6V1G2	0.322126306224443	0	2.00E-04	1	0.0015	0	NA	NA
NR_037853	ATP6V1G2-DDX39B	0.322126306224443	0	2.00E-04	1	0.0015	0	NA	NA
NM_130463	ATP6V1G2	0.322126306224443	0	2.00E-04	1	0.0015	0	NA	NA
NM_017666	ZNF280C	0.322126306224443	0	2.00E-04	1	0.0015	0	NA	NA
NM_033313	CDC14A	0.321671967287597	0	2.00E-04	1	0.0015	0	NA	NA
NM_033312	CDC14A	0.321671967287597	0	2.00E-04	1	0.0015	0	NA	NA
NM_003672	CDC14A	0.321671967287597	0	2.00E-04	1	0.0015	0	NA	NA
NM_173553	TRIML2	0.321671967287597	0	2.00E-04	1	0.0015	0	NA	NA
NM_021949	ATP2B3	0.32121762835075	0	2.00E-04	1	0.0015	0	NA	NA

NM_001001344	ATP2B3	0.32121762835075	0	2.00E-04	1	0.0015	0	NA	NA
NM_001143677	SGK1	0.32121762835075	0	2.00E-04	1	0.0015	0	NA	NA
NM_139266	STAT1	0.320763289413903	0	2.00E-04	1	0.0015	0	NA	NA
NM_007315	STAT1	0.320763289413903	0	2.00E-04	1	0.0015	0	NA	NA
NM_002155	HSPA6	0.320308950477056	0	2.00E-04	1	0.0015	0	NA	NA
NM_005024	SERPINB10	0.320308950477056	0	2.00E-04	1	0.0015	0	NA	NA
NM_001732	BTN1A1	0.320308950477056	0	4.00E-04	1	0.0037	1.00E-04	NA	NA
NM_001136469	TMEM108	0.472512494320763	0.152657882780554	2.00E-04	1	0.0015	0	NA	NA
NM_023943	TMEM108	0.472512494320763	0.152657882780554	2.00E-04	1	0.0015	0	NA	NA
NM_001689	ATP5G3	0.319854611540209	0	2.00E-04	1	0.0015	0	NA	NA
NM_001190329	ATP5G3	0.319854611540209	0	2.00E-04	1	0.0015	0	NA	NA
NM_032424	MSANTD4	0.347569286687869	0.028169014084507	2.00E-04	1	0.0015	0	NA	NA
NM_012369	OR2F1	0.318945933666515	0	2.00E-04	1	0.0015	0	NA	NA
NM_001162916	TYW3	0.318491594729668	0	2.00E-04	1	0.0015	0	NA	NA
NR_027962	TYW3	0.318491594729668	0	2.00E-04	1	0.0015	0	NA	NA
NM_138467	TYW3	0.318491594729668	0	2.00E-04	1	0.0015	0	NA	NA
NM_001284241	CCSER2	0.318491594729668	0	2.00E-04	1	0.0015	0	NA	NA
NM_001284240	CCSER2	0.318491594729668	0	2.00E-04	1	0.0015	0	NA	NA
NM_018999	CCSER2	0.318491594729668	0	2.00E-04	1	0.0015	0	NA	NA
NM_016166	PIAS1	0.318491594729668	0	2.00E-04	1	0.0015	0	NA	NA
NM_024919	FRMD1	0.318491594729668	0	2.00E-04	1	0.0015	0	NA	NA
NM_001142306	C5orf60	0.318037255792821	0	2.00E-04	1	0.0015	0	NA	NA
NM_001130711	CLEC2A	0.317582916855975	0	2.00E-04	1	0.0015	0	NA	NA
NR_039739	MIR4514	0.317582916855975	0	2.00E-04	1	0.0015	0	NA	NA
NM_153377	LRIG3	0.317128577919128	0	2.00E-04	1	0.0015	0	NA	NA
NM_001178098	CD19	0.316674238982281	0	2.00E-04	1	0.0015	0	NA	NA
NM_001770	CD19	0.316674238982281	0	4.00E-04	1	0.0037	1.00E-04	NA	NA
NM_002830	PTPN4	0.316674238982281	0	2.00E-04	1	0.0015	0	NA	NA
NM_014857	RABGAP1L	0.316219900045434	0	2.00E-04	1	0.0015	0	NA	NA
NM_145892	RBFOX1	0.439800090867787	0.123580190822353	2.00E-04	1	0.0015	0	NA	NA
NM_145891	RBFOX1	0.439800090867787	0.123580190822353	2.00E-04	1	0.0015	0	NA	NA
NM_145893	RBFOX1	0.439800090867787	0.123580190822353	2.00E-04	1	0.0015	0	NA	NA
NM_014306	RTCB	0.316219900045434	0	2.00E-04	1	0.0015	0	NA	NA
NM_002771	PRSS3	0.315765561108587	0	2.00E-04	1	0.0015	0	NA	NA
NM_003934	FUBP3	0.315765561108587	0	2.00E-04	1	0.0015	0	NA	NA
NR_073130	CDH19	0.315765561108587	0	2.00E-04	1	0.0015	0	NA	NA
NM_021153	CDH19	0.315765561108587	0	2.00E-04	1	0.0015	0	NA	NA
NM_001271028	CDH19	0.315765561108587	0	2.00E-04	1	0.0015	0	NA	NA
NM_005235	ERBB4	0.315765561108587	0	2.00E-04	1	0.0015	0	NA	NA
NM_001042599	ERBB4	0.315765561108587	0	2.00E-04	1	0.0015	0	NA	NA
NM_170732	BDNF	0.381190368014539	0.0667878237164925	2.00E-04	1	0.0015	0	NA	NA
NM_001143806	BDNF	0.381190368014539	0.0667878237164925	2.00E-04	1	0.0015	0	NA	NA
NM_001143805	BDNF	0.381190368014539	0.0667878237164925	2.00E-04	1	0.0015	0	NA	NA
NM_005002	NDUFA9	0.314402544298046	0	2.00E-04	1	0.0015	0	NA	NA
NM_178543	ENPP7	0.314402544298046	0	6.00E-04	0.9998	0.005	1.00E-04	NA	NA
NM_001146182	KRTAP16-1	0.314402544298046	0	2.00E-04	0.9998	0.0015	0	NA	NA
NM_001450	FHL2	0.314402544298046	0	2.00E-04	1	0.0015	0	NA	NA

NM_001039492	FHL2	0.314402544298046	0	2.00E-04	1	0.0015	0	NA	NA
NM_201555	FHL2	0.314402544298046	0	2.00E-04	1	0.0015	0	NA	NA
NM_030572	C12orf39	0.313948205361199	0	2.00E-04	1	0.0015	0	NA	NA
NM_198992	SYT10	0.313948205361199	0	2.00E-04	1	0.0015	0	NA	NA
NM_152722	HEPACAM	0.313493866424353	0	2.00E-04	1	0.0015	0	NA	NA
NM_001925	DEFA4	0.313493866424353	0	2.00E-04	1	0.0015	0	NA	NA
NM_005456	MAPK8IP1	0.333484779645616	0.0199909132212631	2.00E-04	1	0.0015	0	NA	NA
NM_001282746	ARMC3	0.313039527487506	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282745	ARMC3	0.313039527487506	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282747	ARMC3	0.313039527487506	0	2.00E-04	1	0.0015	0	NA	NA
NM_173081	ARMC3	0.313039527487506	0	2.00E-04	1	0.0015	0	NA	NA
NM_001030006	AP2B1	0.313039527487506	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282	AP2B1	0.313039527487506	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282402	MIXL1	0.312585188550659	0	2.00E-04	1	0.0015	0	NA	NA
NM_031944	MIXL1	0.312585188550659	0	2.00E-04	1	0.0015	0	NA	NA
NM_001198844	RBM4	0.312585188550659	0	2.00E-04	1	0.0015	0	NA	NA
NM_002896	RBM4	0.312585188550659	0	2.00E-04	1	0.0015	0	NA	NA
NM_001198843	RBM4	0.312585188550659	0	2.00E-04	1	0.0015	0	NA	NA
NM_019604	CRTAM	0.312585188550659	0	2.00E-04	1	0.0015	0	NA	NA
NM_014053	FLVCR1	0.48023625624716	0.168105406633348	2.00E-04	1	0.0015	0	NA	NA
NM_030968	C1QTNF1	0.312130849613812	0	2.00E-04	1	0.0015	0	NA	NA
NM_198594	C1QTNF1	0.312130849613812	0	2.00E-04	1	0.0015	0	NA	NA
NM_000608	ORM2	0.311676510676965	0	8.00E-04	1	0.0072	2.00E-04	NA	NA
NM_014870	ZBTB40	0.311222171740118	0	2.00E-04	1	0.0015	0	NA	NA
NM_001083621	ZBTB40	0.311222171740118	0	2.00E-04	1	0.0015	0	NA	NA
NM_181724	TMEM119	0.311222171740118	0	2.00E-04	1	0.0015	0	NA	NA
NM_021210	TRAPPC1	0.311222171740118	0	2.00E-04	1	0.0015	0	NA	NA
NR_030684	TRAPPC1	0.311222171740118	0	2.00E-04	1	0.0015	0	NA	NA
NM_198457	ZNF600	0.311222171740118	0	2.00E-04	1	0.0015	0	NA	NA
NR_033361	TMCC1	0.311222171740118	0	2.00E-04	1	0.0015	0	NA	NA
NR_037616	BLOC1S5-TXNDC5	0.311222171740118	0	2.00E-04	1	0.0015	0	NA	NA
NM_001199322	BLOC1S5	0.311222171740118	0	2.00E-04	1	0.0015	0	NA	NA
NM_201280	BLOC1S5	0.311222171740118	0	2.00E-04	1	0.0015	0	NA	NA
NM_001199323	BLOC1S5	0.311222171740118	0	2.00E-04	1	0.0015	0	NA	NA
NM_001024466	SOD2	0.311222171740118	0	2.00E-04	1	0.0015	0	NA	NA
NM_001024465	SOD2	0.311222171740118	0	2.00E-04	1	0.0015	0	NA	NA
NM_000636	SOD2	0.311222171740118	0	2.00E-04	1	0.0015	0	NA	NA
NM_001199089	TDRD5	0.427078600636075	0.116310767832803	2.00E-04	1	0.0015	0	NA	NA
NM_019062	RNF186	0.310767832803271	0	2.00E-04	1	0.0015	0	NA	NA
NM_174886	TGIF1	0.310313493866424	0	2.00E-04	1	0.0015	0	NA	NA
NM_001242307	PITRM1	0.310313493866424	0	2.00E-04	1	0.0015	0	NA	NA
NM_001242309	PITRM1	0.310313493866424	0	2.00E-04	1	0.0015	0	NA	NA
NM_014889	PITRM1	0.310313493866424	0	2.00E-04	1	0.0015	0	NA	NA
NM_003390	WEE1	0.309859154929577	0	2.00E-04	1	0.0015	0	NA	NA
NM_001005339	RGS10	0.309859154929577	0	2.00E-04	1	0.0015	0	NA	NA
NM_014716	ACAP1	0.309404815992731	0	2.00E-04	1	0.0015	0	NA	NA
NM_001010873	TSPO2	0.309404815992731	0	2.00E-04	1	0.0015	0	NA	NA

NM_181744	OPN5	0.309404815992731	0	2.00E-04	1	0.0015	0	NA	NA
NM_001243429	ERG	0.309404815992731	0	2.00E-04	1	0.0015	0	NA	NA
NM_001884	HAPLN1	0.308950477055884	0	2.00E-04	1	0.0015	0	NA	NA
NM_001145399	MPPED2	0.308496138119037	0	2.00E-04	1	0.0015	0	NA	NA
NM_001004450	OR1B1	0.308496138119037	0	2.00E-04	1	0.0015	0	NA	NA
NM_001024674	LIN52	0.30804179918219	0	2.00E-04	1	0.0015	0	NA	NA
NM_004477	FRG1	0.52703316674239	0.2189913675602	2.00E-04	1	0.0015	0	1	0.1452
NM_138421	SAAL1	0.30804179918219	0	2.00E-04	1	0.0015	0	NA	NA
NM_002310	LIFR	0.30804179918219	0	2.00E-04	1	0.0015	0	NA	NA
NM_014547	TMOD3	0.307587460245343	0	2.00E-04	1	0.0015	0	NA	NA
NR_040021	LOC100287792	0.307587460245343	0	2.00E-04	1	0.0015	0	NA	NA
NM_001005327	OR6K3	0.307587460245343	0	2.00E-04	1	0.0015	0	NA	NA
NM_001005196	OR8B4	0.307587460245343	0	2.00E-04	1	0.0015	0	NA	NA
NM_138294	PATE1	0.307133121308496	0	2.00E-04	1	0.0015	0	NA	NA
NM_001206789	TMPRSS13	0.307133121308496	0	2.00E-04	1	0.0015	0	NA	NA
NM_001244995	TMPRSS13	0.307133121308496	0	2.00E-04	1	0.0015	0	NA	NA
NM_001077263	TMPRSS13	0.307133121308496	0	2.00E-04	1	0.0015	0	NA	NA
NM_001206790	TMPRSS13	0.307133121308496	0	2.00E-04	1	0.0015	0	NA	NA
NM_001190255	ZNF630	0.307133121308496	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282201	ZNF630	0.307133121308496	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282202	ZNF630	0.307133121308496	0	2.00E-04	1	0.0015	0	NA	NA
NM_001025199	CHI3L2	0.351203998182644	0.0440708768741481	0.001	0.999	0.0072	2.00E-04	NA	NA
NM_001086521	C17orf89	0.306678782371649	0	4.00E-04	1	0.0037	1.00E-04	NA	NA
NM_020866	KLHL1	0.306678782371649	0	2.00E-04	1	0.0015	0	NA	NA
NM_001284306	ZNF106	0.306678782371649	0	2.00E-04	1	0.0015	0	NA	NA
NM_022473	ZNF106	0.306678782371649	0	2.00E-04	1	0.0015	0	NA	NA
NM_003031	SIAH1	0.306678782371649	0	2.00E-04	1	0.0015	0	NA	NA
NM_172206	CAMKK1	0.306678782371649	0	4.00E-04	1	0.0037	1.00E-04	NA	NA
NM_001258312	PDE1A	0.306678782371649	0	2.00E-04	1	0.0015	0	NA	NA
NM_001003683	PDE1A	0.306678782371649	0	2.00E-04	1	0.0015	0	NA	NA
NM_007156	ZXDA	0.306678782371649	0	2.00E-04	1	0.0015	0	NA	NA
NM_031303	KATNAL2	0.402998636983189	0.0963198546115402	2.00E-04	1	0.0015	0	NA	NA
NM_020989	CRYGC	0.306224443434802	0	2.00E-04	1	0.0015	0	NA	NA
NM_152543	C4orf45	0.306224443434802	0	2.00E-04	1	0.0015	0	NA	NA
NR_037889	LOC285626	0.305770104497955	0	2.00E-04	1	0.0015	0	NA	NA
NM_001122764	PPOX	0.305315765561109	0	2.00E-04	1	0.0015	0	NA	NA
NM_000309	PPOX	0.305315765561109	0	2.00E-04	1	0.0015	0	NA	NA
NM_015971	MRPS7	0.305315765561109	0	2.00E-04	1	0.0015	0	NA	NA
NM_145282	SLC25A48	0.305315765561109	0	2.00E-04	1	0.0015	0	NA	NA
NM_001004723	OR4N2	0.420263516583371	0.114947751022263	2.00E-04	1	0.0015	0	NA	NA
NM_152706	C7orf62	0.460699681962744	0.155383916401636	2.00E-04	1	0.0015	0	NA	NA
NM_001198541	ERAP1	0.402544298046343	0.0976828714220809	2.00E-04	1	0.0015	0	NA	NA
NM_007019	UBE2C	0.304861426624262	0	2.00E-04	1	0.0015	0	NA	NA
NM_181800	UBE2C	0.304861426624262	0	2.00E-04	1	0.0015	0	NA	NA
NM_181799	UBE2C	0.304861426624262	0	2.00E-04	1	0.0015	0	NA	NA
NR_104037	UBE2C	0.304861426624262	0	2.00E-04	1	0.0015	0	NA	NA
NR_104036	UBE2C	0.304861426624262	0	2.00E-04	1	0.0015	0	NA	NA

NM_001281742	UBE2C	0.304861426624262	0	2.00E-04	1	0.0015	0	NA	NA
NM_001281741	UBE2C	0.304861426624262	0	2.00E-04	1	0.0015	0	NA	NA
NM_002363	MAGEB1	0.304861426624262	0	2.00E-04	1	0.0015	0	NA	NA
NM_177415	MAGEB1	0.304861426624262	0	2.00E-04	1	0.0015	0	NA	NA
NM_002960	S100A3	0.304861426624262	0	2.00E-04	1	0.0015	0	NA	NA
NM_001004758	OR51S1	0.304861426624262	0	2.00E-04	1	0.0015	0	NA	NA
NM_001243392	SLC6A13	0.457064970467969	0.152203543843707	2.00E-04	1	0.0015	0	NA	NA
NM_001190997	SLC6A13	0.457064970467969	0.152203543843707	2.00E-04	1	0.0015	0	NA	NA
NM_016615	SLC6A13	0.457064970467969	0.152203543843707	2.00E-04	1	0.0015	0	NA	NA
NM_032230	METTL25	0.303498409813721	0	2.00E-04	1	0.0015	0	NA	NA
NM_153236	GIMAP7	0.303498409813721	0	2.00E-04	1	0.0015	0	NA	NA
NM_003550	MAD1L1	0.303498409813721	0	2.00E-04	1	0.0015	0	NA	NA
NM_001013836	MAD1L1	0.303498409813721	0	2.00E-04	1	0.0015	0	NA	NA
NM_001013837	MAD1L1	0.303498409813721	0	2.00E-04	1	0.0015	0	NA	NA
NM_001001916	OR52J3	0.303044070876874	0	2.00E-04	1	0.0015	0	NA	NA
NM_002335	LRP5	0.303044070876874	0	2.00E-04	1	0.0015	0	NA	NA
NM_005593	MYF5	0.303044070876874	0	2.00E-04	1	0.0015	0	NA	NA
NM_012417	PITPNC1	0.303044070876874	0	2.00E-04	1	0.0015	0	NA	NA
NM_181671	PITPNC1	0.303044070876874	0	2.00E-04	1	0.0015	0	NA	NA
NM_001080419	UNK	0.303044070876874	0	2.00E-04	1	0.0015	0	NA	NA
NR_038131	UNK	0.303044070876874	0	2.00E-04	1	0.0015	0	NA	NA
NR_026719	DSCR9	0.303044070876874	0	2.00E-04	1	0.0015	0	NA	NA
NM_198485	TPRG1	0.303044070876874	0	2.00E-04	1	0.0015	0	NA	NA
NR_038210	SAMD12-AS1	0.303044070876874	0	2.00E-04	1	0.0015	0	NA	NA
NM_001256827	SMG6	0.303044070876874	0	2.00E-04	1	0.0015	0	NA	NA
NM_001282631	ARSE	0.303044070876874	0	2.00E-04	1	0.0015	0	NA	NA
NM_001734	C1S	0.302589731940027	0	2.00E-04	1	0.0015	0	NA	NA
NM_201442	C1S	0.302589731940027	0	2.00E-04	1	0.0015	0	NA	NA
NM_000916	OXTR	0.302589731940027	0	2.00E-04	1	0.0015	0	NA	NA
NM_014817	TRIL	0.302589731940027	0	2.00E-04	1	0.0015	0	NA	NA
NM_198827	GPR133	0.30213539300318	0	0.0494	0.9522	0.42	0.0091	NA	NA
NM_001167941	WDR76	0.30213539300318	0	2.00E-04	1	0.0015	0	NA	NA
NM_024908	WDR76	0.30213539300318	0	2.00E-04	1	0.0015	0	NA	NA
NM_030642	APOL5	0.30213539300318	0	2.00E-04	1	0.0015	0	NA	NA
NM_014395	DAPP1	0.301681054066333	0	2.00E-04	1	0.0015	0	NA	NA
NM_198836	ACACA	0.301681054066333	0	2.00E-04	1	0.0015	0	NA	NA
NM_004827	ABCG2	0.301681054066333	0	2.00E-04	1	0.0015	0	NA	NA
NM_002350	LYN	0.301226715129487	0	2.00E-04	1	0.0015	0	NA	NA
NM_001111097	LYN	0.301226715129487	0	2.00E-04	1	0.0015	0	NA	NA
NR_040017	RNF157-AS1	0.30077237619264	0	2.00E-04	1	0.0015	0	NA	NA
NR_028402	CSRP2BP	0.30077237619264	0	2.00E-04	1	0.0015	0	NA	NA
NM_144489	RGS3	0.30077237619264	0	2.00E-04	1	0.0015	0	NA	NA
NM_175698	SSX2	0.30077237619264	0	2.00E-04	1	0.0015	0	NA	NA
NM_003147	SSX2	0.30077237619264	0	2.00E-04	1	0.0015	0	NA	NA
NM_001164417	SSX2B	0.30077237619264	0	2.00E-04	1	0.0015	0	NA	NA
NM_001278701	SSX2B	0.30077237619264	0	2.00E-04	1	0.0015	0	NA	NA
NM_001281806	FSD2	0.30077237619264	0	2.00E-04	1	0.0015	0	NA	NA

NM_001007122	FSD2	0.30077237619264	0	2.00E-04	1	0.0015	0	NA	NA
NM_001281805	FSD2	0.30077237619264	0	2.00E-04	1	0.0015	0	NA	NA
NM_004781	VAMP3	0.300318037255793	0	2.00E-04	1	0.0015	0	NA	NA
NM_005047	PSMD5	0.300318037255793	0	2.00E-04	1	0.0015	0	NA	NA
NM_001270427	PSMD5	0.300318037255793	0	2.00E-04	1	0.0015	0	NA	NA
NM_001127645	GABRA1	0	0.300318037255793	1	2.00E-04	NA	NA	0.0023	0
NR_024554	RHOBTB1	0	0.300318037255793	1	2.00E-04	NA	NA	0.0023	0
NM_012465	TLL2	0	0.300318037255793	1	2.00E-04	NA	NA	0.0023	0
NM_138568	EXOC3L2	0	0.300318037255793	1	2.00E-04	NA	NA	0.0023	0
NM_020144	PAPOLB	0	0.300318037255793	1	6.00E-04	NA	NA	0.0099	1.00E-04
NM_001130727	PACRGL	0.152657882780554	0.453430258973194	1	2.00E-04	NA	NA	0.0023	0
NM_145048	PACRGL	0.152657882780554	0.453430258973194	1	2.00E-04	NA	NA	0.0023	0
NM_001258346	PACRGL	0.152657882780554	0.453430258973194	1	2.00E-04	NA	NA	0.0023	0
NM_001258345	PACRGL	0.152657882780554	0.453430258973194	1	2.00E-04	NA	NA	0.0023	0
NR_047661	PACRGL	0.152657882780554	0.453430258973194	1	2.00E-04	NA	NA	0.0023	0
NM_018172	FAM86C1	0	0.30077237619264	1	2.00E-04	NA	NA	0.0023	0
NM_001099653	FAM86C1	0	0.30077237619264	1	2.00E-04	NA	NA	0.0023	0
NM_152563	FAM86C1	0	0.30077237619264	1	2.00E-04	NA	NA	0.0023	0
NM_001276286	BBX	0	0.30077237619264	1	2.00E-04	NA	NA	0.0023	0
NM_001142568	BBX	0	0.30077237619264	1	2.00E-04	NA	NA	0.0023	0
NM_020235	BBX	0	0.30077237619264	1	2.00E-04	NA	NA	0.0023	0
NR_029192	LOC100133315	0	0.30077237619264	1	2.00E-04	NA	NA	0.0023	0
NM_173074	PIGF	0	0.30077237619264	1	2.00E-04	NA	NA	0.0023	0
NM_002643	PIGF	0	0.30077237619264	1	2.00E-04	NA	NA	0.0023	0
NR_103826	EOGT	0	0.30077237619264	1	2.00E-04	NA	NA	0.0023	0
NM_001278689	EOGT	0	0.30077237619264	1	2.00E-04	NA	NA	0.0023	0
NM_173654	EOGT	0	0.30077237619264	1	2.00E-04	NA	NA	0.0023	0
NM_031990	PTBP1	0	0.301226715129487	1	2.00E-04	NA	NA	0.0023	0
NM_002819	PTBP1	0	0.301226715129487	1	2.00E-04	NA	NA	0.0023	0
NM_031991	PTBP1	0	0.301226715129487	1	2.00E-04	NA	NA	0.0023	0
NM_024969	CSRNP3	0	0.301226715129487	1	2.00E-04	NA	NA	0.0023	0
NM_014586	HUNK	0	0.301226715129487	1	2.00E-04	NA	NA	0.0023	0
NM_001754	RUNX1	0	0.301226715129487	1	2.00E-04	NA	NA	0.0023	0
NR_000026	RNU86	0	0.301226715129487	1	2.00E-04	NA	NA	0.0023	0
NM_052883	TXNRD3	0	0.301226715129487	1	2.00E-04	NA	NA	0.0023	0
NM_001173513	TXNRD3	0	0.301226715129487	1	2.00E-04	NA	NA	0.0023	0
NM_020319	ANKMY2	0	0.301681054066333	1	2.00E-04	NA	NA	0.0023	0
NM_004852	ONECUT2	0	0.30213539300318	1	2.00E-04	NA	NA	0.0023	0
NM_004291	CARTPT	0	0.30213539300318	1	2.00E-04	NA	NA	0.0023	0
NM_030936	RNF32	0	0.30213539300318	1	2.00E-04	NA	NA	0.0023	0
NM_181514	MRPL21	0	0.30213539300318	1	2.00E-04	NA	NA	0.0023	0
NM_181515	MRPL21	0	0.30213539300318	1	2.00E-04	NA	NA	0.0023	0
NM_001193613	TUBD1	0	0.30213539300318	1	2.00E-04	NA	NA	0.0023	0
NM_001193612	TUBD1	0	0.30213539300318	1	4.00E-04	NA	NA	0.0023	1.00E-04
NM_001193611	TUBD1	0	0.30213539300318	1	2.00E-04	NA	NA	0.0023	0
NM_001193610	TUBD1	0	0.30213539300318	1	2.00E-04	NA	NA	0.0023	0
NM_001193609	TUBD1	0	0.30213539300318	1	2.00E-04	NA	NA	0.0023	0

NM_016261	TUBD1	0	0.30213539300318	1	2.00E-04	NA	NA	0.0023	0
NM_000413	HSD17B1	0	0.302589731940027	1	2.00E-04	NA	NA	0.0023	0
NM_002581	PAPPA	0	0.302589731940027	1	2.00E-04	NA	NA	0.0023	0
NM_014060	MCTS1	0	0.302589731940027	1	2.00E-04	NA	NA	0.0023	0
NM_001922	DCT	0	0.302589731940027	1	2.00E-04	NA	NA	0.0023	0
NM_001129889	DCT	0	0.302589731940027	1	2.00E-04	NA	NA	0.0023	0
NR_104260	PRDM15	0	0.302589731940027	1	2.00E-04	NA	NA	0.0023	0
NM_001164345	ZBTB20	0.0313493866424353	0.333939118582463	1	2.00E-04	NA	NA	0.0023	0
NM_001164344	ZBTB20	0.0313493866424353	0.333939118582463	1	2.00E-04	NA	NA	0.0023	0
NM_002194	INPP1	0	0.303044070876874	1	2.00E-04	NA	NA	0.0023	0
NM_001128928	INPP1	0	0.303044070876874	1	2.00E-04	NA	NA	0.0023	0
NM_006990	WASF2	0	0.303044070876874	1	2.00E-04	NA	NA	0.0023	0
NM_001201404	WASF2	0	0.303044070876874	1	2.00E-04	NA	NA	0.0023	0
NM_181880	VCY1B	0	0.303044070876874	1	2.00E-04	NA	NA	0.0023	0
NM_152222	REL1	0	0.303498409813721	1	2.00E-04	NA	NA	0.0023	0
NM_005946	MT1A	0	0.303498409813721	1	2.00E-04	NA	NA	0.0023	0
NM_019009	TOLLIP	0	0.303498409813721	1	2.00E-04	NA	NA	0.0023	0
NM_001042603	KDM5A	0	0.303498409813721	1	2.00E-04	NA	NA	0.0023	0
NM_004607	TBCA	0.0813266696955929	0.384825079509314	1	2.00E-04	NA	NA	0.0023	0
NM_012243	SLC35A3	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NM_001271684	SLC35A3	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NM_024579	C1orf54	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NM_001172745	SEC23B	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NM_001195684	TGFBR3	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NR_024581	ASB13	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NR_037164	ASB13	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NM_024701	ASB13	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NM_001260497	KCNC2	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NM_001260498	KCNC2	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NM_139137	KCNC2	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NM_139136	KCNC2	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NM_153748	KCNC2	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NM_001260499	KCNC2	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NM_139159	DPP9	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NR_033980	FLJ16341	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NM_153346	BEND2	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NM_001184767	BEND2	0	0.303952748750568	1	2.00E-04	NA	NA	0.0023	0
NM_014390	SND1	0.12267151294866	0.427078600636075	1	2.00E-04	NA	NA	0.0023	0
NM_203356	CTAGE5	0	0.304407087687415	1	2.00E-04	NA	NA	0.0023	0
NM_001247988	CTAGE5	0	0.304407087687415	1	2.00E-04	NA	NA	0.0023	0
NM_001254	CDC6	0	0.304407087687415	1	2.00E-04	NA	NA	0.0023	0
NM_145649	GCNT2	0	0.304407087687415	1	2.00E-04	NA	NA	0.0023	0
NM_004053	BYSL	0	0.304407087687415	1	2.00E-04	NA	NA	0.0023	0
NM_012074	DPF3	0	0.304407087687415	1	2.00E-04	NA	NA	0.0023	0
NM_001280542	DPF3	0	0.304407087687415	1	2.00E-04	NA	NA	0.0023	0
NM_001280543	DPF3	0	0.304407087687415	1	2.00E-04	NA	NA	0.0023	0
NM_017563	IL17RD	0	0.304407087687415	1	2.00E-04	NA	NA	0.0023	0



NM_181600	KRTAP13-4	0	0.304861426624262	0.9948	0.0038	NA	NA	0.0416	7.00E-04
NM_206824	VKORC1	0	0.304861426624262	1	2.00E-04	NA	NA	0.0023	0
NM_024006	VKORC1	0	0.304861426624262	1	2.00E-04	NA	NA	0.0023	0
NM_017984	ZCWPW1	0	0.304861426624262	1	2.00E-04	NA	NA	0.0023	0
NM_001258008	ZCWPW1	0	0.304861426624262	1	2.00E-04	NA	NA	0.0023	0
NM_020640	DCUN1D1	0	0.305315765561109	1	2.00E-04	NA	NA	0.0023	0
NM_001193622	PINLYP	0	0.305770104497955	1	2.00E-04	NA	NA	0.0023	0
NM_001199535	TGIF2-C2orf24	0	0.305770104497955	1	2.00E-04	NA	NA	0.0023	0
NM_001199515	TGIF2	0	0.305770104497955	1	2.00E-04	NA	NA	0.0023	0
NM_152433	KBTBD3	0	0.305770104497955	1	2.00E-04	NA	NA	0.0023	0
NM_198439	KBTBD3	0	0.305770104497955	1	2.00E-04	NA	NA	0.0023	0
NM_032603	LOXL3	0	0.305770104497955	1	2.00E-04	NA	NA	0.0023	0
NM_006811	SERINC3	0	0.305770104497955	1	2.00E-04	NA	NA	0.0023	0
NM_198941	SERINC3	0	0.305770104497955	1	2.00E-04	NA	NA	0.0023	0
NM_001270623	SLC16A7	0	0.306224443434802	1	2.00E-04	NA	NA	0.0023	0
NM_001270622	SLC16A7	0	0.306224443434802	1	2.00E-04	NA	NA	0.0023	0
NM_080865	GPR62	0	0.306224443434802	1	2.00E-04	NA	NA	0.0023	0
NR_040250	WWTR1-AS1	0	0.306224443434802	1	2.00E-04	NA	NA	0.0023	0
NM_001143997	OGDHL	0	0.306224443434802	1	2.00E-04	NA	NA	0.0023	0
NM_001143996	OGDHL	0	0.306224443434802	1	2.00E-04	NA	NA	0.0023	0
NM_018245	OGDHL	0	0.306224443434802	1	2.00E-04	NA	NA	0.0023	0
NM_006045	ATP9A	0	0.306224443434802	1	2.00E-04	NA	NA	0.0023	0
NM_001037277	GGPS1	0	0.306678782371649	1	6.00E-04	NA	NA	0.0099	1.00E-04
NR_073180	LIPE-AS1	0	0.306678782371649	1	2.00E-04	NA	NA	0.0023	0
NM_003965	CCRL2	0	0.306678782371649	1	2.00E-04	NA	NA	0.0023	0
NM_001130910	CCRL2	0	0.306678782371649	1	2.00E-04	NA	NA	0.0023	0
NM_001282538	GNB1	0	0.306678782371649	1	2.00E-04	NA	NA	0.0023	0
NM_001282539	GNB1	0	0.306678782371649	1	4.00E-04	NA	NA	0.0023	1.00E-04
NM_002074	GNB1	0	0.306678782371649	1	2.00E-04	NA	NA	0.0023	0
NM_001257389	CD63	0	0.306678782371649	1	2.00E-04	NA	NA	0.0023	0
NM_170784	MKKS	0	0.306678782371649	1	4.00E-04	NA	NA	0.0023	1.00E-04
NR_072977	MKKS	0	0.306678782371649	1	2.00E-04	NA	NA	0.0023	0
NM_031891	CDH20	0	0.307133121308496	1	2.00E-04	NA	NA	0.0023	0
NM_033053	DMRTC1	0	0.307133121308496	1	2.00E-04	NA	NA	0.0023	0
NM_001080851	DMRTC1B	0	0.307133121308496	1	2.00E-04	NA	NA	0.0023	0
NR_029435	FLJ31306	0	0.307133121308496	1	2.00E-04	NA	NA	0.0023	0
NR_029434	FLJ31306	0	0.307133121308496	1	2.00E-04	NA	NA	0.0023	0
NM_203400	RPRML	0	0.307133121308496	0.9998	2.00E-04	NA	NA	0.0023	0
NM_001915	CYB561	0	0.307133121308496	1	4.00E-04	NA	NA	0.0023	1.00E-04
NM_001017916	CYB561	0	0.307133121308496	1	2.00E-04	NA	NA	0.0023	0
NR_038459	GFOD1	0	0.307133121308496	1	2.00E-04	NA	NA	0.0023	0
NM_006080	SEMA3A	0	0.307133121308496	1	2.00E-04	NA	NA	0.0023	0
NM_206866	BACH1	0.00272603362108133	0.310313493866424	1	2.00E-04	NA	NA	0.0023	0
NM_018656	SLC35E3	0	0.307587460245343	1	6.00E-04	NA	NA	0.0099	1.00E-04
NM_015559	SETBP1	0	0.307587460245343	1	2.00E-04	NA	NA	0.0023	0
NM_001001548	CD36	0	0.307587460245343	1	2.00E-04	NA	NA	0.0023	0
NM_000072	CD36	0	0.307587460245343	1	2.00E-04	NA	NA	0.0023	0

NM_177404	MAGEB1	0	0.307587460245343	1	2.00E-04	NA	NA	0.0023	0
NR_033256	XAGE1D	0	0.307587460245343	1	2.00E-04	NA	NA	0.0023	0
NR_033254	XAGE1B	0	0.307587460245343	1	2.00E-04	NA	NA	0.0023	0
NR_033253	XAGE1A	0	0.307587460245343	1	2.00E-04	NA	NA	0.0023	0
NR_033251	XAGE1C	0	0.307587460245343	1	2.00E-04	NA	NA	0.0023	0
NR_033257	XAGE1E	0	0.307587460245343	1	2.00E-04	NA	NA	0.0023	0
NM_012249	RHOQ	0	0.30804179918219	1	2.00E-04	NA	NA	0.0023	0
NR_029609	MIR10B	0	0.30804179918219	1	2.00E-04	NA	NA	0.0023	0
NM_001006610	SIAH1	0	0.30804179918219	1	2.00E-04	NA	NA	0.0023	0
NM_199282	ARHGAP27	0	0.30804179918219	1	2.00E-04	NA	NA	0.0023	0
NM_024303	ZSCAN5A	0	0.30804179918219	1	2.00E-04	NA	NA	0.0023	0
NM_001282185	ETF1	0	0.30804179918219	1	2.00E-04	NA	NA	0.0023	0
NM_001042498	SLC35A2	0	0.30804179918219	1	2.00E-04	NA	NA	0.0023	0
NM_001282647	SLC35A2	0	0.30804179918219	1	2.00E-04	NA	NA	0.0023	0
NM_005660	SLC35A2	0	0.30804179918219	1	2.00E-04	NA	NA	0.0023	0
NM_001032289	SLC35A2	0	0.30804179918219	1	2.00E-04	NA	NA	0.0023	0
NM_001282648	SLC35A2	0	0.30804179918219	1	2.00E-04	NA	NA	0.0023	0
NM_001282649	SLC35A2	0	0.30804179918219	1	2.00E-04	NA	NA	0.0023	0
NM_001282650	SLC35A2	0	0.30804179918219	1	2.00E-04	NA	NA	0.0023	0
NM_001282651	SLC35A2	0	0.30804179918219	1	2.00E-04	NA	NA	0.0023	0
NM_138999	NETO1	0.0772376192639709	0.385279418446161	1	2.00E-04	NA	NA	0.0023	0
NM_003564	TAGLN2	0.167651067696502	0.476147205815538	1	2.00E-04	NA	NA	0.0023	0
NM_172353	CD46	0	0.308496138119037	1	2.00E-04	NA	NA	0.0023	0
NM_172351	CD46	0	0.308496138119037	1	2.00E-04	NA	NA	0.0023	0
NM_172350	CD46	0	0.308496138119037	1	2.00E-04	NA	NA	0.0023	0
NM_172361	CD46	0	0.308496138119037	1	2.00E-04	NA	NA	0.0023	0
NM_002389	CD46	0	0.308496138119037	1	2.00E-04	NA	NA	0.0023	0
NM_172352	CD46	0	0.308496138119037	1	2.00E-04	NA	NA	0.0023	0
NM_153826	CD46	0	0.308496138119037	1	2.00E-04	NA	NA	0.0023	0
NM_172359	CD46	0	0.308496138119037	1	2.00E-04	NA	NA	0.0023	0
NM_001242903	AKAP1	0	0.308496138119037	1	2.00E-04	NA	NA	0.0023	0
NM_001242902	AKAP1	0	0.308496138119037	1	2.00E-04	NA	NA	0.0023	0
NM_020854	KIAA1468	0	0.308496138119037	1	2.00E-04	NA	NA	0.0023	0
NM_001040022	SIRPA	0	0.308496138119037	1	2.00E-04	NA	NA	0.0023	0
NM_001962	EFNA5	0	0.308496138119037	1	2.00E-04	NA	NA	0.0023	0
NM_182493	MYLK3	0	0.308950477055884	1	2.00E-04	NA	NA	0.0023	0
NR_028074	RAB2B	0.139482053611995	0.448886869604725	1	2.00E-04	NA	NA	0.0023	0
NM_032846	RAB2B	0.139482053611995	0.448886869604725	1	2.00E-04	NA	NA	0.0023	0
NM_001172665	RAB40C	0	0.309404815992731	1	2.00E-04	NA	NA	0.0023	0
NM_001172663	RAB40C	0	0.309404815992731	1	2.00E-04	NA	NA	0.0023	0
NM_001172666	RAB40C	0	0.309404815992731	1	2.00E-04	NA	NA	0.0023	0
NM_021168	RAB40C	0	0.309404815992731	1	2.00E-04	NA	NA	0.0023	0
NM_001172664	RAB40C	0	0.309404815992731	1	2.00E-04	NA	NA	0.0023	0
NR_037888	STX18-AS1	0	0.309404815992731	1	2.00E-04	NA	NA	0.0023	0
NM_031207	HYI	0	0.309404815992731	1	2.00E-04	NA	NA	0.0023	0
NM_001190880	HYI	0	0.309404815992731	1	2.00E-04	NA	NA	0.0023	0
NM_001243526	HYI	0	0.309404815992731	1	2.00E-04	NA	NA	0.0023	0

NR_027622	LOC100128164	0	0.309404815992731	1	2.00E-04	NA	NA	0.0023	0
NR_024409	LOC100128164	0	0.309404815992731	1	2.00E-04	NA	NA	0.0023	0
NM_181354	OXR1	0	0.309859154929577	1	2.00E-04	NA	NA	0.0023	0
NM_006459	ERLIN1	0	0.309859154929577	1	2.00E-04	NA	NA	0.0023	0
NM_001100626	ERLIN1	0	0.309859154929577	1	2.00E-04	NA	NA	0.0023	0
NM_138961	ESAM	0	0.309859154929577	1	2.00E-04	NA	NA	0.0023	0
NM_005315	GSC2	0	0.309859154929577	1	2.00E-04	NA	NA	0.0023	0
NM_016453	NCKIPSD	0	0.309859154929577	1	2.00E-04	NA	NA	0.0023	0
NM_184231	NCKIPSD	0	0.309859154929577	1	2.00E-04	NA	NA	0.0023	0
NM_003648	DGKD	0.0967741935483871	0.407087687414811	1	2.00E-04	NA	NA	0.0023	0
NM_001136138	RPS6KC1	0	0.310313493866424	1	2.00E-04	NA	NA	0.0023	0
NM_012424	RPS6KC1	0	0.310313493866424	1	2.00E-04	NA	NA	0.0023	0
NM_138994	CNTNAP4	0	0.310313493866424	1	2.00E-04	NA	NA	0.0023	0
NM_001111307	PDE4A	0	0.310313493866424	1	0.0058	NA	NA	0.0458	0.001
NM_003192	TBCC	0	0.310313493866424	1	2.00E-04	NA	NA	0.0023	0
NM_005642	TAF7	0	0.310767832803271	1	2.00E-04	NA	NA	0.0023	0
NM_002269	KPNA5	0	0.311222171740118	1	2.00E-04	NA	NA	0.0023	0
NM_003007	SEMG1	0.00863243980009087	0.319854611540209	1	2.00E-04	NA	NA	0.0023	0
NM_012342	BAMBI	0	0.311676510676965	1	2.00E-04	NA	NA	0.0023	0
NM_006782	ZFPL1	0	0.311676510676965	1	2.00E-04	NA	NA	0.0023	0
NM_003658	BARX2	0	0.311676510676965	1	2.00E-04	NA	NA	0.0023	0
NM_002448	MSX1	0	0.311676510676965	1	2.00E-04	NA	NA	0.0023	0
NR_024420	LINC00937	0	0.311676510676965	1	2.00E-04	NA	NA	0.0023	0
NM_001281534	EPB41L3	0	0.311676510676965	1	2.00E-04	NA	NA	0.0023	0
NM_012307	EPB41L3	0	0.311676510676965	1	2.00E-04	NA	NA	0.0023	0
NM_001282099	YAP1	0	0.312130849613812	1	2.00E-04	NA	NA	0.0023	0
NM_001195044	YAP1	0	0.312130849613812	1	2.00E-04	NA	NA	0.0023	0
NM_001130145	YAP1	0	0.312130849613812	1	2.00E-04	NA	NA	0.0023	0
NM_006106	YAP1	0	0.312130849613812	1	2.00E-04	NA	NA	0.0023	0
NM_001282100	YAP1	0	0.312130849613812	1	2.00E-04	NA	NA	0.0023	0
NM_001282098	YAP1	0	0.312130849613812	1	2.00E-04	NA	NA	0.0023	0
NM_001282097	YAP1	0	0.312130849613812	1	2.00E-04	NA	NA	0.0023	0
NM_001282101	YAP1	0	0.312130849613812	1	2.00E-04	NA	NA	0.0023	0
NM_002422	MMP3	0	0.312130849613812	1	2.00E-04	NA	NA	0.0023	0
NR_027073	LOC283731	0	0.312130849613812	1	2.00E-04	NA	NA	0.0023	0
NM_001256185	SNX12	0.0318037255792821	0.344388914129941	1	2.00E-04	NA	NA	0.0023	0
NM_183233	SLC22A18	0	0.312585188550659	1	2.00E-04	NA	NA	0.0023	0
NR_015415	DICER1-AS1	0	0.312585188550659	1	2.00E-04	NA	NA	0.0023	0
NR_036170	MIR3199-2	0	0.312585188550659	1	2.00E-04	NA	NA	0.0023	0
NM_001032384	PQBP1	0	0.312585188550659	1	2.00E-04	NA	NA	0.0023	0
NM_005710	PQBP1	0	0.312585188550659	1	2.00E-04	NA	NA	0.0023	0
NM_001167992	PQBP1	0	0.312585188550659	1	2.00E-04	NA	NA	0.0023	0
NM_007051	FAF1	0	0.312585188550659	1	2.00E-04	NA	NA	0.0023	0
NM_024014	HOXA6	0	0.312585188550659	1	2.00E-04	NA	NA	0.0023	0
NM_004466	GPC5	0	0.313039527487506	1	2.00E-04	NA	NA	0.0023	0
NM_014812	CEP170	0	0.313039527487506	1	2.00E-04	NA	NA	0.0023	0
NM_001042405	CEP170	0	0.313039527487506	1	2.00E-04	NA	NA	0.0023	0

NM_001042404	CEP170	0	0.313039527487506	1	2.00E-04	NA	NA	0.0023	0
NM_001012300	MCRS1	0	0.313039527487506	1	0.0122	NA	NA	0.0999	0.0021
NM_024524	ATP13A3	0	0.313039527487506	1	2.00E-04	NA	NA	0.0023	0
NM_032593	HINT2	0	0.313039527487506	1	2.00E-04	NA	NA	0.0023	0
NM_015448	DPCD	0	0.313493866424353	1	2.00E-04	NA	NA	0.0023	0
NM_021955	GNGT1	0	0.313493866424353	1	6.00E-04	NA	NA	0.0099	1.00E-04
NM_001164373	GPN3	0	0.313493866424353	1	2.00E-04	NA	NA	0.0023	0
NM_016301	GPN3	0	0.313493866424353	1	2.00E-04	NA	NA	0.0023	0
NM_152446	CEP128	0	0.313493866424353	1	2.00E-04	NA	NA	0.0023	0
NM_000132	F8	0	0.313493866424353	1	2.00E-04	NA	NA	0.0023	0
NR_024241	FAM86DP	0.00408905043162199	0.318037255792821	1	2.00E-04	NA	NA	0.0023	0
NM_001012	RPS8	0	0.313948205361199	1	2.00E-04	NA	NA	0.0023	0
NR_000024	SNORD46	0	0.313948205361199	1	2.00E-04	NA	NA	0.0023	0
NR_000015	SNORD55	0	0.313948205361199	1	2.00E-04	NA	NA	0.0023	0
NM_153713	LIX1L	0	0.313948205361199	1	2.00E-04	NA	NA	0.0023	0
NM_001102592	HENMT1	0	0.313948205361199	0.9994	0.0024	NA	NA	0.025	4.00E-04
NM_001023570	IQCB1	0	0.313948205361199	1	2.00E-04	NA	NA	0.0023	0
NM_001023571	IQCB1	0	0.313948205361199	1	2.00E-04	NA	NA	0.0023	0
NM_021058	HIST1H2BJ	0	0.313948205361199	1	2.00E-04	NA	NA	0.0023	0
NM_001039580	MAP9	0.118582462517038	0.432530667878237	1	2.00E-04	NA	NA	0.0023	0
NM_001165136	HERC6	0.0676965015901863	0.381644706951386	1	2.00E-04	NA	NA	0.0023	0
NM_017912	HERC6	0.0676965015901863	0.381644706951386	1	2.00E-04	NA	NA	0.0023	0
NM_002425	MMP10	0	0.314402544298046	1	2.00E-04	NA	NA	0.0023	0
NM_000633	BCL2	0	0.314402544298046	1	2.00E-04	NA	NA	0.0023	0
NM_000657	BCL2	0	0.314402544298046	1	2.00E-04	NA	NA	0.0023	0
NM_015399	BRMS1	0	0.314856883234893	1	2.00E-04	NA	NA	0.0023	0
NM_001024957	BRMS1	0	0.314856883234893	1	2.00E-04	NA	NA	0.0023	0
NM_199050	C2CD2	0	0.314856883234893	1	2.00E-04	NA	NA	0.0023	0
NM_007332	TRPA1	0	0.314856883234893	1	2.00E-04	NA	NA	0.0023	0
NM_007234	DCTN3	0	0.314856883234893	1	2.00E-04	NA	NA	0.0023	0
NM_024348	DCTN3	0	0.314856883234893	1	2.00E-04	NA	NA	0.0023	0
NM_001281425	DCTN3	0	0.314856883234893	1	2.00E-04	NA	NA	0.0023	0
NM_001281427	DCTN3	0	0.314856883234893	1	2.00E-04	NA	NA	0.0023	0
NM_001281426	DCTN3	0	0.314856883234893	1	2.00E-04	NA	NA	0.0023	0
NM_014313	TMEM50A	0	0.31531122217174	1	2.00E-04	NA	NA	0.0023	0
NM_012474	UCK2	0	0.31531122217174	1	2.00E-04	NA	NA	0.0023	0
NM_001009909	LUZP2	0	0.31531122217174	1	2.00E-04	NA	NA	0.0023	0
NM_001252010	LUZP2	0	0.31531122217174	1	2.00E-04	NA	NA	0.0023	0
NM_001252008	LUZP2	0	0.31531122217174	1	2.00E-04	NA	NA	0.0023	0
NM_001170791	RMDN2	0	0.31531122217174	1	2.00E-04	NA	NA	0.0023	0
NM_012259	HEY2	0	0.31531122217174	1	2.00E-04	NA	NA	0.0023	0
NM_053067	UBQLN1	0	0.31531122217174	1	2.00E-04	NA	NA	0.0023	0
NM_013438	UBQLN1	0	0.31531122217174	1	2.00E-04	NA	NA	0.0023	0
NM_001185059	ZCCHC6	0	0.31531122217174	1	2.00E-04	NA	NA	0.0023	0
NM_024617	ZCCHC6	0	0.31531122217174	1	2.00E-04	NA	NA	0.0023	0
NM_001185074	ZCCHC6	0	0.31531122217174	1	2.00E-04	NA	NA	0.0023	0
NM_174896	C1orf162	0.0345297592003635	0.35029532030895	1	2.00E-04	NA	NA	0.0023	0

NR_026895	AP5M1	0	0.315765561108587	1	2.00E-04	NA	NA	0.0023	0
NM_018229	AP5M1	0	0.315765561108587	1	2.00E-04	NA	NA	0.0023	0
NM_018940	PCDHB7	0	0.315765561108587	1	2.00E-04	NA	NA	0.0023	0
NM_133179	XAGE3	0	0.315765561108587	1	2.00E-04	NA	NA	0.0023	0
NM_174902	LDLRAD3	0	0.316219900045434	1	2.00E-04	NA	NA	0.0023	0
NM_032871	RELT	0	0.316219900045434	1	2.00E-04	NA	NA	0.0023	0
NM_181532	ERAS	0	0.316219900045434	1	2.00E-04	NA	NA	0.0023	0
NM_001258415	ARHGAP20	0	0.316219900045434	1	2.00E-04	NA	NA	0.0023	0
NM_004028	AQP4	0	0.316219900045434	1	2.00E-04	NA	NA	0.0023	0
NM_001523	HAS1	0	0.316219900045434	1	2.00E-04	NA	NA	0.0023	0
NR_036231	MIR4264	0	0.316219900045434	1	2.00E-04	NA	NA	0.0023	0
NM_003924	PHOX2B	0	0.316219900045434	1	2.00E-04	NA	NA	0.0023	0
NM_001143975	UBTF1	0.0663334847796456	0.383007723761926	1	2.00E-04	NA	NA	0.0023	0
NM_139074	DEFB127	0	0.316674238982281	1	2.00E-04	NA	NA	0.0023	0
NM_033050	SUCNR1	0	0.316674238982281	1	2.00E-04	NA	NA	0.0023	0
NM_001164280	SLC37A4	0	0.316674238982281	1	2.00E-04	NA	NA	0.0023	0
NM_004934	CDH18	0	0.316674238982281	1	2.00E-04	NA	NA	0.0023	0
NM_001167667	CDH18	0	0.316674238982281	1	2.00E-04	NA	NA	0.0023	0
NM_016591	GCNT4	0	0.316674238982281	1	2.00E-04	NA	NA	0.0023	0
NM_001392	DTNA	0	0.317128577919128	1	2.00E-04	NA	NA	0.0023	0
NM_032975	DTNA	0	0.317128577919128	1	2.00E-04	NA	NA	0.0023	0
NM_001198945	DTNA	0	0.317128577919128	1	2.00E-04	NA	NA	0.0023	0
NM_032979	DTNA	0	0.317128577919128	1	2.00E-04	NA	NA	0.0023	0
NM_015235	CSTF2T	0	0.317128577919128	0.9738	0.0292	NA	NA	0.2977	0.005
NM_001199383	RNF145	0.0113584734211722	0.328941390277147	1	2.00E-04	NA	NA	0.0023	0
NM_014941	MORC2	0	0.317582916855975	1	2.00E-04	NA	NA	0.0023	0
NM_194439	RNF212	0	0.317582916855975	1	2.00E-04	NA	NA	0.0023	0
NM_001131034	RNF212	0	0.317582916855975	1	2.00E-04	NA	NA	0.0023	0
NM_001193318	RNF212	0	0.317582916855975	1	2.00E-04	NA	NA	0.0023	0
NM_015868	KIR2DL3	0	0.318037255792821	1	2.00E-04	NA	NA	0.0023	0
NM_020311	ACKR3	0	0.318037255792821	1	2.00E-04	NA	NA	0.0023	0
NM_001002266	MARCH8	0	0.318037255792821	1	2.00E-04	NA	NA	0.0023	0
NM_001282866	MARCH8	0	0.318037255792821	1	2.00E-04	NA	NA	0.0023	0
NM_001278710	NRN1	0	0.318037255792821	1	2.00E-04	NA	NA	0.0023	0
NM_001004124	OR4P4	0	0.318491594729668	1	2.00E-04	NA	NA	0.0023	0
NM_007341	SH3BGR	0	0.318491594729668	1	2.00E-04	NA	NA	0.0023	0
NM_001145197	SPATA31D4	0	0.318491594729668	1	2.00E-04	NA	NA	0.0023	0
NM_001143674	MPC2	0	0.318491594729668	1	2.00E-04	NA	NA	0.0023	0
NM_015415	MPC2	0	0.318491594729668	1	2.00E-04	NA	NA	0.0023	0
NR_024372	FLJ25758	0	0.318945933666515	1	2.00E-04	NA	NA	0.0023	0
NM_000134	FABP2	0	0.318945933666515	1	2.00E-04	NA	NA	0.0023	0
NM_000794	DRD1	0	0.318945933666515	1	0.003	NA	NA	0.0416	5.00E-04
NR_040448	SLC7A7	0	0.319400272603362	1	2.00E-04	NA	NA	0.0023	0
NM_001126105	SLC7A7	0	0.319400272603362	1	2.00E-04	NA	NA	0.0023	0
NR_073072	NRM	0	0.319400272603362	1	2.00E-04	NA	NA	0.0023	0
NM_001131066	RFESD	0	0.319854611540209	1	2.00E-04	NA	NA	0.0023	0
NM_030919	FAM83D	0	0.320308950477056	1	2.00E-04	NA	NA	0.0023	0

NM_001256835	<i>QTRTD1</i>	0	0.320308950477056	1	2.00E-04	NA	NA	0.0023	0
NM_024638	<i>QTRTD1</i>	0	0.320308950477056	1	2.00E-04	NA	NA	0.0023	0
NM_001256837	<i>QTRTD1</i>	0	0.320308950477056	1	2.00E-04	NA	NA	0.0023	0
NM_001256836	<i>QTRTD1</i>	0	0.320308950477056	1	2.00E-04	NA	NA	0.0023	0
NM_004174	<i>SLC9A3</i>	0	0.320308950477056	1	2.00E-04	NA	NA	0.0023	0
NM_001284351	<i>SLC9A3</i>	0	0.320308950477056	1	2.00E-04	NA	NA	0.0023	0
NM_181609	<i>KRTAP19-3</i>	0.0740572467060427	0.394366197183099	1	2.00E-04	NA	NA	0.0023	0
NM_001018039	<i>SFMBT2</i>	0	0.320763289413903	1	2.00E-04	NA	NA	0.0023	0
NM_001198954	<i>RNF103-CHMP3</i>	0	0.320763289413903	1	2.00E-04	NA	NA	0.0023	0
NM_031908	<i>C1QTNF2</i>	0	0.320763289413903	1	2.00E-04	NA	NA	0.0023	0
NM_001142307	<i>GTF2H1</i>	0.00590640617900954	0.327124034529759	1	2.00E-04	NA	NA	0.0023	0
NM_005316	<i>GTF2H1</i>	0.00590640617900954	0.327124034529759	1	2.00E-04	NA	NA	0.0023	0
NM_020971	<i>SPTBN4</i>	0	0.32121762835075	1	2.00E-04	NA	NA	0.0023	0
NM_000726	<i>CACNB4</i>	0	0.32121762835075	1	2.00E-04	NA	NA	0.0023	0
NM_001145798	<i>CACNB4</i>	0	0.32121762835075	1	2.00E-04	NA	NA	0.0023	0
NR_104117	<i>HCG14</i>	0	0.321671967287597	1	2.00E-04	NA	NA	0.0023	0
NM_030946	<i>OR14J1</i>	0	0.321671967287597	1	2.00E-04	NA	NA	0.0023	0
NM_152416	<i>NDUFAF6</i>	0	0.321671967287597	1	2.00E-04	NA	NA	0.0023	0
NM_032606	<i>CAPS2</i>	0	0.321671967287597	1	2.00E-04	NA	NA	0.0023	0
NM_000713	<i>BLVRB</i>	0	0.321671967287597	1	2.00E-04	NA	NA	0.0023	0
NR_028102	<i>THUMPD2</i>	0	0.321671967287597	1	2.00E-04	NA	NA	0.0023	0
NM_025264	<i>THUMPD2</i>	0	0.321671967287597	1	2.00E-04	NA	NA	0.0023	0
NM_001170693	<i>CAGE1</i>	0	0.321671967287597	1	2.00E-04	NA	NA	0.0023	0
NM_001170692	<i>CAGE1</i>	0	0.321671967287597	1	2.00E-04	NA	NA	0.0023	0
NM_205864	<i>CAGE1</i>	0	0.321671967287597	1	2.00E-04	NA	NA	0.0023	0
NM_001769	<i>CD9</i>	0	0.322126306224443	1	2.00E-04	NA	NA	0.0023	0
NM_018146	<i>RNMTL1</i>	0	0.322126306224443	1	2.00E-04	NA	NA	0.0023	0
NM_001143775	<i>CTDNBP1</i>	0	0.322126306224443	1	2.00E-04	NA	NA	0.0023	0
NM_015491	<i>PNISR</i>	0	0.322126306224443	1	2.00E-04	NA	NA	0.0023	0
NM_032870	<i>PNISR</i>	0	0.322126306224443	1	2.00E-04	NA	NA	0.0023	0
NM_001256054	<i>C9orf72</i>	0	0.322126306224443	1	2.00E-04	NA	NA	0.0023	0
NM_145005	<i>C9orf72</i>	0	0.322126306224443	1	2.00E-04	NA	NA	0.0023	0
NM_015115	<i>DCUN1D4</i>	0	0.32258064516129	1	2.00E-04	NA	NA	0.0023	0
NM_001040402	<i>DCUN1D4</i>	0	0.32258064516129	1	2.00E-04	NA	NA	0.0023	0
NM_025179	<i>PLXNA2</i>	0	0.32258064516129	1	2.00E-04	NA	NA	0.0023	0
NM_018400	<i>SCN3B</i>	0	0.32258064516129	1	2.00E-04	NA	NA	0.0023	0
NM_001040151	<i>SCN3B</i>	0	0.32258064516129	1	2.00E-04	NA	NA	0.0023	0
NM_016358	<i>IRX4</i>	0	0.32258064516129	1	2.00E-04	NA	NA	0.0023	0
NM_001281300	<i>AGAP3</i>	0	0.323034984098137	1	2.00E-04	NA	NA	0.0023	0
NM_031946	<i>AGAP3</i>	0	0.323034984098137	1	2.00E-04	NA	NA	0.0023	0
NM_001042535	<i>AGAP3</i>	0	0.323034984098137	1	2.00E-04	NA	NA	0.0023	0
NM_001145678	<i>KIAA0825</i>	0	0.323034984098137	1	2.00E-04	NA	NA	0.0023	0
NM_173665	<i>KIAA0825</i>	0	0.323034984098137	1	2.00E-04	NA	NA	0.0023	0
NM_001031689	<i>PLAA</i>	0	0.323034984098137	1	2.00E-04	NA	NA	0.0023	0
NM_003253	<i>TIAM1</i>	0.0917764652430713	0.414811449341209	1	2.00E-04	NA	NA	0.0023	0
NM_017902	<i>HIF1AN</i>	0	0.323489323034984	1	2.00E-04	NA	NA	0.0023	0
NM_024308	<i>DHRS11</i>	0	0.323489323034984	1	2.00E-04	NA	NA	0.0023	0

NM_001166301	DHX40	0	0.323489323034984	1	2.00E-04	NA	NA	0.0023	0
NM_024612	DHX40	0	0.323489323034984	1	2.00E-04	NA	NA	0.0023	0
NM_000857	GUCY1B3	0	0.323489323034984	1	2.00E-04	NA	NA	0.0023	0
NM_020998	MST1	0	0.323489323034984	1	2.00E-04	NA	NA	0.0023	0
NM_006023	CDC123	0	0.323943661971831	1	2.00E-04	NA	NA	0.0023	0
NM_182626	C2orf48	0	0.323943661971831	1	2.00E-04	NA	NA	0.0023	0
NM_001042747	FGF	0	0.323943661971831	1	2.00E-04	NA	NA	0.0023	0
NM_001099431	CLEC1B	0	0.323943661971831	1	2.00E-04	NA	NA	0.0023	0
NM_016509	CLEC1B	0	0.323943661971831	1	2.00E-04	NA	NA	0.0023	0
NM_014930	ZNF510	0	0.323943661971831	1	2.00E-04	NA	NA	0.0023	0
NR_038973	FAM170B-AS1	0	0.324398000908678	1	2.00E-04	NA	NA	0.0023	0
NM_020732	ARID1B	0	0.324398000908678	1	2.00E-04	NA	NA	0.0023	0
NM_017519	ARID1B	0	0.324398000908678	1	2.00E-04	NA	NA	0.0023	0
NM_001170574	FAM46D	0	0.324398000908678	1	2.00E-04	NA	NA	0.0023	0
NR_046160	C12orf79	0	0.324398000908678	1	2.00E-04	NA	NA	0.0023	0
NM_001256374	C12orf79	0	0.324398000908678	1	2.00E-04	NA	NA	0.0023	0
NM_001256375	C12orf79	0	0.324398000908678	1	2.00E-04	NA	NA	0.0023	0
NM_001256373	C12orf79	0	0.324398000908678	1	2.00E-04	NA	NA	0.0023	0
NM_199337	TMEM179B	0	0.324852339845525	1	0.002	NA	NA	0.025	4.00E-04
NM_003092	SNRPB2	0	0.324852339845525	1	2.00E-04	NA	NA	0.0023	0
NM_198220	SNRPB2	0	0.324852339845525	1	2.00E-04	NA	NA	0.0023	0
NM_001142434	MGEA5	0	0.324852339845525	1	2.00E-04	NA	NA	0.0023	0
NM_012215	MGEA5	0	0.324852339845525	1	2.00E-04	NA	NA	0.0023	0
NM_001568	EIF3E	0	0.324852339845525	1	2.00E-04	NA	NA	0.0023	0
NM_004422	DVL2	0.0272603362108133	0.352567014993185	1	2.00E-04	NA	NA	0.0023	0
NM_000754	COMT	0	0.325306678782372	1	2.00E-04	NA	NA	0.0023	0
NM_000948	PRL	0	0.325306678782372	1	2.00E-04	NA	NA	0.0023	0
NM_025004	CCDC15	0	0.325761017719219	1	2.00E-04	NA	NA	0.0023	0
NM_007200	AKAP13	0	0.325761017719219	1	2.00E-04	NA	NA	0.0023	0
NM_006738	AKAP13	0	0.325761017719219	1	2.00E-04	NA	NA	0.0023	0
NM_032338	LLPH	0	0.325761017719219	1	2.00E-04	NA	NA	0.0023	0
NM_001261437	ETV4	0	0.325761017719219	1	2.00E-04	NA	NA	0.0023	0
NM_001079675	ETV4	0	0.325761017719219	1	2.00E-04	NA	NA	0.0023	0
NM_019024	HEATR5B	0	0.325761017719219	1	2.00E-04	NA	NA	0.0023	0
NR_030633	MIR937	0	0.325761017719219	1	2.00E-04	NA	NA	0.0023	0
NM_020685	C3orf14	0	0.326215356656065	1	2.00E-04	NA	NA	0.0023	0
NM_000778	CYP4A11	0	0.326215356656065	1	2.00E-04	NA	NA	0.0023	0
NM_001256165	TMCO1	0	0.326215356656065	1	2.00E-04	NA	NA	0.0023	0
NM_001256164	TMCO1	0	0.326215356656065	1	2.00E-04	NA	NA	0.0023	0
NM_019026	TMCO1	0	0.326215356656065	1	2.00E-04	NA	NA	0.0023	0
NR_045818	TMCO1	0	0.326215356656065	1	2.00E-04	NA	NA	0.0023	0
NM_018976	SLC38A2	0	0.326215356656065	1	2.00E-04	NA	NA	0.0023	0
NM_015343	CTDNEP1	0	0.326215356656065	1	2.00E-04	NA	NA	0.0023	0
NM_015253	WSCD1	0	0.327124034529759	1	2.00E-04	NA	NA	0.0023	0
NM_012265	RHBDD3	0	0.327124034529759	1	2.00E-04	NA	NA	0.0023	0
NM_012419	RGS17	0	0.327124034529759	1	2.00E-04	NA	NA	0.0023	0
NM_001042698	ZSWIM7	0.208995910949568	0.536119945479328	0.998	0.0024	1	0.1552	0.025	4.00E-04

NM_001042697	ZSWIM7	0.208995910949568	0.536119945479328	0.9982	0.0022	1	0.1552	0.025	4.00E-04
NM_016428	ABI3	0	0.327578373466606	1	2.00E-04	NA	NA	0.0023	0
NM_001135186	ABI3	0	0.327578373466606	1	2.00E-04	NA	NA	0.0023	0
NM_014290	TDRD7	0	0.327578373466606	1	2.00E-04	NA	NA	0.0023	0
NM_174899	FBXO36	0	0.328032712403453	1	2.00E-04	NA	NA	0.0023	0
NR_037861	PPT2-EGFL8	0	0.328032712403453	1	2.00E-04	NA	NA	0.0023	0
NM_138717	PPT2	0	0.328032712403453	1	2.00E-04	NA	NA	0.0023	0
NM_005155	PPT2	0	0.328032712403453	1	2.00E-04	NA	NA	0.0023	0
NM_001204103	PPT2	0	0.328032712403453	1	2.00E-04	NA	NA	0.0023	0
NM_178862	STT3B	0	0.3284870513403	1	2.00E-04	NA	NA	0.0023	0
NR_027621	FHL1	0	0.3284870513403	1	2.00E-04	NA	NA	0.0023	0
NM_001272077	RIT2	0	0.3284870513403	1	2.00E-04	NA	NA	0.0023	0
NM_002930	RIT2	0	0.3284870513403	1	2.00E-04	NA	NA	0.0023	0
NM_001284214	TRIP12	0	0.3284870513403	1	2.00E-04	NA	NA	0.0023	0
NM_001284216	TRIP12	0	0.3284870513403	1	2.00E-04	NA	NA	0.0023	0
NM_004238	TRIP12	0	0.3284870513403	1	2.00E-04	NA	NA	0.0023	0
NM_032478	MRPL38	0.0072694229895502	0.336210813266697	1	2.00E-04	NA	NA	0.0023	0
NM_005875	EIF1B	0	0.328941390277147	1	2.00E-04	NA	NA	0.0023	0
NM_001142557	HMMR	0	0.328941390277147	1	2.00E-04	NA	NA	0.0023	0
NM_012484	HMMR	0	0.328941390277147	1	2.00E-04	NA	NA	0.0023	0
NM_001142556	HMMR	0	0.328941390277147	1	2.00E-04	NA	NA	0.0023	0
NM_012485	HMMR	0	0.328941390277147	1	2.00E-04	NA	NA	0.0023	0
NM_080817	GPR82	0	0.328941390277147	1	2.00E-04	NA	NA	0.0023	0
NM_017752	TBC1D8B	0	0.328941390277147	1	2.00E-04	NA	NA	0.0023	0
NM_198881	TBC1D8B	0	0.328941390277147	1	2.00E-04	NA	NA	0.0023	0
NM_032949	PCDH8	0	0.328941390277147	1	2.00E-04	NA	NA	0.0023	0
NM_002590	PCDH8	0	0.328941390277147	1	2.00E-04	NA	NA	0.0023	0
NM_030651	PRRT1	0	0.328941390277147	1	2.00E-04	NA	NA	0.0023	0
NM_000139	MS4A2	0	0.329395729213994	1	2.00E-04	NA	NA	0.0023	0
NM_001256916	MS4A2	0	0.329395729213994	1	2.00E-04	NA	NA	0.0023	0
NM_014907	FRMPD1	0	0.329395729213994	1	2.00E-04	NA	NA	0.0023	0
NM_017672	TRPM7	0	0.329395729213994	1	2.00E-04	NA	NA	0.0023	0
NM_001130845	BCL6	0	0.329395729213994	1	2.00E-04	NA	NA	0.0023	0
NM_014548	TMOD2	0	0.329850068150841	1	2.00E-04	NA	NA	0.0023	0
NM_001142885	TMOD2	0	0.329850068150841	1	2.00E-04	NA	NA	0.0023	0
NM_004246	GLP2R	0	0.329850068150841	1	2.00E-04	NA	NA	0.0023	0
NM_032120	RBM48	0	0.329850068150841	1	2.00E-04	NA	NA	0.0023	0
NM_001166107	HMGCS2	0	0.329850068150841	1	2.00E-04	NA	NA	0.0023	0
NM_005518	HMGCS2	0	0.329850068150841	1	2.00E-04	NA	NA	0.0023	0
NM_145234	CHRD1	0	0.329850068150841	1	2.00E-04	NA	NA	0.0023	0
NM_001143983	CHRD1	0	0.329850068150841	1	2.00E-04	NA	NA	0.0023	0
NM_001143982	CHRD1	0	0.329850068150841	1	2.00E-04	NA	NA	0.0023	0
NM_001143981	CHRD1	0	0.329850068150841	1	2.00E-04	NA	NA	0.0023	0
NM_014679	CEP57	0	0.330304407087687	1	2.00E-04	NA	NA	0.0023	0
NM_001243777	CEP57	0	0.330304407087687	1	2.00E-04	NA	NA	0.0023	0
NM_001243776	CEP57	0	0.330304407087687	1	2.00E-04	NA	NA	0.0023	0
NM_012118	CCRN4L	0	0.330304407087687	1	2.00E-04	NA	NA	0.0023	0



NR_039924	MIR4767	0.0222626079054975	0.352567014993185	0.998	0.0024	NA	NA	0.025	4.00E-04
NR_038251	DPH6-AS1	0	0.330758746024534	1	2.00E-04	NA	NA	0.0023	0
NM_005985	SNAI1	0	0.330758746024534	1	2.00E-04	NA	NA	0.0023	0
NM_024730	REGL	0	0.330758746024534	1	2.00E-04	NA	NA	0.0023	0
NR_003338	SNORD116-24	0	0.331213084961381	1	2.00E-04	NA	NA	0.0023	0
NM_001042355	CYLD	0	0.331213084961381	1	2.00E-04	NA	NA	0.0023	0
NM_015247	CYLD	0	0.331213084961381	1	2.00E-04	NA	NA	0.0023	0
NM_001042412	CYLD	0	0.331213084961381	1	2.00E-04	NA	NA	0.0023	0
NM_001077620	PRCD	0	0.331213084961381	1	2.00E-04	NA	NA	0.0023	0
NM_020731	AHRR	0	0.331213084961381	1	2.00E-04	NA	NA	0.0023	0
NM_001242412	AHRR	0	0.331213084961381	1	2.00E-04	NA	NA	0.0023	0
NM_001171909	CXorf40A	0	0.331213084961381	1	2.00E-04	NA	NA	0.0023	0
NR_037653	ST20	0	0.331213084961381	1	2.00E-04	NA	NA	0.0023	0
NR_037652	ST20	0	0.331213084961381	1	2.00E-04	NA	NA	0.0023	0
NM_022725	FANCF	0	0.331667423898228	1	2.00E-04	NA	NA	0.0023	0
NM_001278608	BFSP1	0	0.331667423898228	1	2.00E-04	NA	NA	0.0023	0
NM_052827	CDK2	0	0.332121762835075	1	2.00E-04	NA	NA	0.0023	0
NM_001798	CDK2	0	0.332121762835075	1	2.00E-04	NA	NA	0.0023	0
NM_134268	CYGB	0	0.332121762835075	1	2.00E-04	NA	NA	0.0023	0
NM_004364	CEBPA	0	0.332121762835075	1	2.00E-04	NA	NA	0.0023	0
NR_026766	MYCNOS	0	0.332121762835075	1	6.00E-04	NA	NA	0.0099	1.00E-04
NR_073600	ZNF142	0	0.332121762835075	1	2.00E-04	NA	NA	0.0023	0
NM_001105537	ZNF142	0	0.332121762835075	1	2.00E-04	NA	NA	0.0023	0
NR_104136	MANEA-AS1	0.0181735574738755	0.350749659245797	1	2.00E-04	NA	NA	0.0023	0
NR_047502	MANEA-AS1	0.0181735574738755	0.350749659245797	1	2.00E-04	NA	NA	0.0023	0
NM_021734	SLC25A19	0	0.332576101771922	1	2.00E-04	NA	NA	0.0023	0
NM_001126122	SLC25A19	0	0.332576101771922	1	2.00E-04	NA	NA	0.0023	0
NM_001126121	SLC25A19	0	0.332576101771922	1	2.00E-04	NA	NA	0.0023	0
NM_032510	PAR6G	0	0.332576101771922	1	2.00E-04	NA	NA	0.0023	0
NM_033427	CTTNBP2	0	0.333030440708769	1	2.00E-04	NA	NA	0.0023	0
NM_001032292	ZNF174	0	0.333484779645616	1	6.00E-04	NA	NA	0.0099	1.00E-04
NM_003450	ZNF174	0	0.333484779645616	1	6.00E-04	NA	NA	0.0099	1.00E-04
NM_001137554	MCTS1	0	0.333484779645616	1	2.00E-04	NA	NA	0.0023	0
NM_001256932	LOC730183	0	0.333484779645616	1	2.00E-04	NA	NA	0.0023	0
NM_001199346	C18orf32	0	0.333484779645616	1	2.00E-04	NA	NA	0.0023	0
NM_001035005	C18orf32	0	0.333484779645616	1	2.00E-04	NA	NA	0.0023	0
NM_021244	RRAGD	0	0.333484779645616	1	2.00E-04	NA	NA	0.0023	0
NR_023920	WT1-AS	0	0.333939118582463	1	2.00E-04	NA	NA	0.0023	0
NM_052902	STK11IP	0	0.333939118582463	1	2.00E-04	NA	NA	0.0023	0
NR_036498	LOC388906	0	0.333939118582463	1	2.00E-04	NA	NA	0.0023	0
NM_001098812	39692	0	0.333939118582463	1	2.00E-04	NA	NA	0.0023	0
NM_015146	39692	0	0.333939118582463	1	2.00E-04	NA	NA	0.0023	0
NM_001098811	39692	0	0.333939118582463	1	2.00E-04	NA	NA	0.0023	0
NM_005249	FOXG1	0	0.334393457519309	1	2.00E-04	NA	NA	0.0023	0
NM_001199898	PKD2	0	0.334393457519309	1	2.00E-04	NA	NA	0.0023	0
NR_077247	RPS18P9	0	0.334393457519309	1	2.00E-04	NA	NA	0.0023	0
NR_047662	LOC729732	0	0.334393457519309	1	2.00E-04	NA	NA	0.0023	0

NM_003249	THOP1	0	0.334847796456156	1	2.00E-04	NA	NA	0.0023	0
NR_037161	ZNF582-AS1	0	0.334847796456156	1	2.00E-04	NA	NA	0.0023	0
NR_037159	ZNF582-AS1	0	0.334847796456156	1	2.00E-04	NA	NA	0.0023	0
NR_037160	ZNF582-AS1	0	0.334847796456156	1	2.00E-04	NA	NA	0.0023	0
NM_144770	RBM11	0	0.334847796456156	1	2.00E-04	NA	NA	0.0023	0
NM_004951	GPR183	0	0.334847796456156	1	2.00E-04	NA	NA	0.0023	0
NM_003021	SGTA	0	0.334847796456156	1	2.00E-04	NA	NA	0.0023	0
NM_152570	LINGO2	0.112221717401181	0.447523852794184	1	2.00E-04	NA	NA	0.0023	0
NM_001076552	ACSS2	0	0.335302135393003	1	2.00E-04	NA	NA	0.0023	0
NM_018677	ACSS2	0	0.335302135393003	1	2.00E-04	NA	NA	0.0023	0
NM_005754	G3BP1	0	0.335302135393003	1	2.00E-04	NA	NA	0.0023	0
NM_198395	G3BP1	0	0.335302135393003	1	2.00E-04	NA	NA	0.0023	0
NM_014569	ZKSCAN5	0	0.335302135393003	1	2.00E-04	NA	NA	0.0023	0
NM_145793	GFRA1	0	0.335302135393003	1	2.00E-04	NA	NA	0.0023	0
NM_018325	C9orf72	0	0.335302135393003	1	2.00E-04	NA	NA	0.0023	0
NM_015203	RPRD2	0	0.33575647432985	1	2.00E-04	NA	NA	0.0023	0
NR_045118	KCNIP2-AS1	0	0.33575647432985	1	2.00E-04	NA	NA	0.0023	0
NM_002282	KRT83	0	0.33575647432985	1	2.00E-04	NA	NA	0.0023	0
NM_001135216	ZSCAN31	0	0.33575647432985	1	2.00E-04	NA	NA	0.0023	0
NM_001243244	ZSCAN31	0	0.33575647432985	1	2.00E-04	NA	NA	0.0023	0
NM_001243243	ZSCAN31	0	0.33575647432985	1	2.00E-04	NA	NA	0.0023	0
NM_001243242	ZSCAN31	0	0.33575647432985	1	2.00E-04	NA	NA	0.0023	0
NM_001243241	ZSCAN31	0	0.33575647432985	1	2.00E-04	NA	NA	0.0023	0
NM_030899	ZSCAN31	0	0.33575647432985	1	2.00E-04	NA	NA	0.0023	0
NM_021073	BMP5	0	0.33575647432985	1	2.00E-04	NA	NA	0.0023	0
NM_001243194	INPP5F	0	0.336210813266697	1	2.00E-04	NA	NA	0.0023	0
NM_001128429	SMARCAD1	0	0.336210813266697	1	2.00E-04	NA	NA	0.0023	0
NM_020159	SMARCAD1	0	0.336210813266697	1	2.00E-04	NA	NA	0.0023	0
NR_045644	SMARCAD1	0	0.336210813266697	1	2.00E-04	NA	NA	0.0023	0
NM_005869	CWC27	0	0.336210813266697	1	2.00E-04	NA	NA	0.0023	0
NM_000247	MICA	0	0.336210813266697	1	2.00E-04	NA	NA	0.0023	0
NM_001177519	MICA	0	0.336210813266697	1	2.00E-04	NA	NA	0.0023	0
NM_178857	RP1L1	0	0.336210813266697	1	2.00E-04	NA	NA	0.0023	0
NM_003628	PKP4	0.0436165379373012	0.380281690140845	1	2.00E-04	NA	NA	0.0023	0
NM_001005476	PKP4	0.0436165379373012	0.380281690140845	1	2.00E-04	NA	NA	0.0023	0
NM_024747	HPS6	0	0.336665152203544	1	2.00E-04	NA	NA	0.0023	0
NM_005993	TBCD	0	0.336665152203544	1	2.00E-04	NA	NA	0.0023	0
NM_001001410	TSR3	0	0.336665152203544	1	2.00E-04	NA	NA	0.0023	0
NM_003955	SOC3	0	0.336665152203544	1	2.00E-04	NA	NA	0.0023	0
NM_001040020	FAM3C	0	0.336665152203544	1	2.00E-04	NA	NA	0.0023	0
NM_014888	FAM3C	0	0.336665152203544	1	2.00E-04	NA	NA	0.0023	0
NM_006468	POLR3C	0.149931849159473	0.487051340299864	1	2.00E-04	NA	NA	0.0023	0
NM_006446	SLCO1B1	0	0.337119491140391	1	2.00E-04	NA	NA	0.0023	0
NM_006635	ZNF460	0	0.337119491140391	1	2.00E-04	NA	NA	0.0023	0
NM_018203	KLHDC8A	0	0.337119491140391	1	2.00E-04	NA	NA	0.0023	0
NM_018252	TMEM206	0	0.337119491140391	1	2.00E-04	NA	NA	0.0023	0
NM_001198862	TMEM206	0	0.337119491140391	1	2.00E-04	NA	NA	0.0023	0

NM_017754	UHRF1BP1	0	0.337573830077238	1	2.00E-04	NA	NA	0.0023	0
NM_001128620	PAK1	0	0.337573830077238	1	2.00E-04	NA	NA	0.0023	0
NM_002576	PAK1	0	0.337573830077238	1	2.00E-04	NA	NA	0.0023	0
NM_000080	CHRNE	0	0.337573830077238	1	2.00E-04	NA	NA	0.0023	0
NR_027906	MLLT4-AS1	0	0.337573830077238	1	2.00E-04	NA	NA	0.0023	0
NM_021928	SPCS3	0	0.338028169014085	1	0.006	NA	NA	0.0458	0.0011
NR_024059	MIMT1	0	0.338482507950931	1	2.00E-04	NA	NA	0.0023	0
NM_001079863	DBI	0	0.338482507950931	1	2.00E-04	NA	NA	0.0023	0
NM_031461	CRISPLD1	0	0.338482507950931	1	2.00E-04	NA	NA	0.0023	0
NM_001780	CD63	0	0.338482507950931	1	2.00E-04	NA	NA	0.0023	0
NM_001267698	CD63	0	0.338482507950931	1	2.00E-04	NA	NA	0.0023	0
NM_001013628	DCAF12L2	0	0.338482507950931	1	2.00E-04	NA	NA	0.0023	0
NR_036595	LOC440600	0	0.338936846887778	1	2.00E-04	NA	NA	0.0023	0
NM_001017927	C2orf76	0	0.338936846887778	1	2.00E-04	NA	NA	0.0023	0
NR_024454	NDUFB2-AS1	0	0.338936846887778	1	2.00E-04	NA	NA	0.0023	0
NM_001017372	SLC27A6	0	0.339391185824625	1	2.00E-04	NA	NA	0.0023	0
NM_014031	SLC27A6	0	0.339391185824625	1	2.00E-04	NA	NA	0.0023	0
NM_152455	ZSCAN29	0	0.339391185824625	1	2.00E-04	NA	NA	0.0023	0
NM_170713	RASSF1	0	0.339391185824625	1	2.00E-04	NA	NA	0.0023	0
NM_001949	E2F3	0	0.339845524761472	1	2.00E-04	NA	NA	0.0023	0
NM_030905	OR2J2	0	0.339845524761472	1	2.00E-04	NA	NA	0.0023	0
NM_001276290	PRKAR1A	0	0.340299863698319	1	2.00E-04	NA	NA	0.0023	0
NM_001145346	RBMXL3	0	0.340299863698319	1	2.00E-04	NA	NA	0.0023	0
NM_015836	WARS2	0	0.340299863698319	1	2.00E-04	NA	NA	0.0023	0
NM_201263	WARS2	0	0.340299863698319	1	2.00E-04	NA	NA	0.0023	0
NM_001352	DBP	0	0.340299863698319	1	0.0012	NA	NA	0.0099	2.00E-04
NM_001164738	CALCR	0	0.340299863698319	1	2.00E-04	NA	NA	0.0023	0
NM_018725	IL17RB	0	0.340754202635166	1	2.00E-04	NA	NA	0.0023	0
NM_001258039	SPRY1	0	0.340754202635166	1	2.00E-04	NA	NA	0.0023	0
NM_080879	RAB40A	0	0.340754202635166	1	2.00E-04	NA	NA	0.0023	0
NM_014633	CTR9	0	0.341208541572013	1	2.00E-04	NA	NA	0.0023	0
NM_001271507	CCDC177	0	0.341208541572013	1	2.00E-04	NA	NA	0.0023	0
NM_001242784	HLCS	0	0.341208541572013	1	2.00E-04	NA	NA	0.0023	0
NM_016395	PTPLAD1	0.0290776919582008	0.37074057246706	1	2.00E-04	NA	NA	0.0023	0
NM_005921	MAP3K1	0.224897773739209	0.566560654248069	1	2.00E-04	1	0.1555	0.0023	0
NM_007148	RNF112	0	0.34166288050886	1	2.00E-04	NA	NA	0.0023	0
NM_016436	PHF20	0	0.34166288050886	1	2.00E-04	NA	NA	0.0023	0
NR_033886	RAD21-AS1	0	0.34166288050886	1	2.00E-04	NA	NA	0.0023	0
NM_001018056	VLDLR	0	0.34166288050886	1	4.00E-04	NA	NA	0.0023	1.00E-04
NM_003383	VLDLR	0	0.34166288050886	1	2.00E-04	NA	NA	0.0023	0
NM_018558	GABRQ	0	0.34166288050886	1	2.00E-04	NA	NA	0.0023	0
NM_176787	PIGN	0	0.34166288050886	0.999	4.00E-04	NA	NA	0.0023	1.00E-04
NM_012327	PIGN	0	0.34166288050886	0.9994	6.00E-04	NA	NA	0.0099	1.00E-04
NM_022757	CCDC14	0	0.34166288050886	1	2.00E-04	NA	NA	0.0023	0
NM_001024611	LRRRC66	0	0.34166288050886	1	2.00E-04	NA	NA	0.0023	0
NM_001145450	MORN2	0	0.342117219445706	1	2.00E-04	NA	NA	0.0023	0
NM_001130049	DOCK9	0	0.342117219445706	1	2.00E-04	NA	NA	0.0023	0

NM_015296	DOCK9	0	0.342117219445706	1	2.00E-04	NA	NA	0.0023	0
NM_001136205	KCTD1	0	0.342117219445706	1	2.00E-04	NA	NA	0.0023	0
NM_033319	CENPL	0.0472512494320763	0.389368468877783	0.991	0.0068	NA	NA	0.0916	0.0012
NM_001127181	CENPL	0.0472512494320763	0.389368468877783	0.9928	0.0076	NA	NA	0.0916	0.0013
NR_029525	MIR16-2	0.120854157201272	0.462971376646979	1	2.00E-04	NA	NA	0.0023	0
NM_015302	HAUS5	0	0.342571558382553	1	2.00E-04	NA	NA	0.0023	0
NM_002357	MXD1	0	0.342571558382553	1	2.00E-04	NA	NA	0.0023	0
NM_001202514	MXD1	0	0.342571558382553	1	2.00E-04	NA	NA	0.0023	0
NM_001202513	MXD1	0	0.342571558382553	1	2.00E-04	NA	NA	0.0023	0
NM_004319	ASTN1	0	0.342571558382553	1	2.00E-04	NA	NA	0.0023	0
NM_207108	ASTN1	0	0.342571558382553	1	2.00E-04	NA	NA	0.0023	0
NM_000520	HEXA	0	0.342571558382553	1	2.00E-04	NA	NA	0.0023	0
NM_177952	PPM1A	0	0.3430258973194	1	2.00E-04	NA	NA	0.0023	0
NM_178140	PDZD2	0	0.3430258973194	1	2.00E-04	NA	NA	0.0023	0
NM_001004454	OR1L8	0	0.3430258973194	1	2.00E-04	NA	NA	0.0023	0
NM_001190987	SRSF11	0	0.343480236256247	1	2.00E-04	NA	NA	0.0023	0
NM_004768	SRSF11	0	0.343480236256247	1	2.00E-04	NA	NA	0.0023	0
NM_133339	RAD17	0	0.343480236256247	1	2.00E-04	NA	NA	0.0023	0
NM_019118	TMEM234	0	0.343480236256247	1	2.00E-04	NA	NA	0.0023	0
NM_014932	NLGN1	0	0.343934575193094	1	2.00E-04	NA	NA	0.0023	0
NM_001143836	NOX4	0	0.343934575193094	1	2.00E-04	NA	NA	0.0023	0
NM_016931	NOX4	0	0.343934575193094	1	2.00E-04	NA	NA	0.0023	0
NR_026571	NOX4	0	0.343934575193094	1	2.00E-04	NA	NA	0.0023	0
NM_003187	TAF9	0	0.343934575193094	1	2.00E-04	NA	NA	0.0023	0
NM_016283	AK6	0	0.343934575193094	1	2.00E-04	NA	NA	0.0023	0
NM_033161	SURF4	0	0.343934575193094	0.999	0.002	NA	NA	0.025	4.00E-04
NM_001280792	SURF4	0	0.343934575193094	0.9988	0.0018	NA	NA	0.0183	3.00E-04
NM_001280789	SURF4	0	0.343934575193094	0.999	0.001	NA	NA	0.0099	2.00E-04
NM_001280790	SURF4	0	0.343934575193094	0.9996	0.001	NA	NA	0.0099	2.00E-04
NM_001280791	SURF4	0	0.343934575193094	0.999	0.0012	NA	NA	0.0099	2.00E-04
NM_001280793	SURF4	0	0.343934575193094	0.999	0.0012	NA	NA	0.0099	2.00E-04
NM_019005	MIOS	0.0949568378009995	0.43934575193094	1	2.00E-04	NA	NA	0.0023	0
NM_001080458	EVX2	0	0.344388914129941	1	2.00E-04	NA	NA	0.0023	0
NM_000809	GABRA4	0	0.344388914129941	1	2.00E-04	NA	NA	0.0023	0
NM_001190384	GNE	0	0.344388914129941	1	2.00E-04	NA	NA	0.0023	0
NM_001190383	GNE	0	0.344388914129941	1	2.00E-04	NA	NA	0.0023	0
NM_005476	GNE	0	0.344388914129941	1	2.00E-04	NA	NA	0.0023	0
NM_001040061	C3orf72	0	0.344843253066788	1	2.00E-04	NA	NA	0.0023	0
NM_001040167	LFNG	0	0.344843253066788	1	2.00E-04	NA	NA	0.0023	0
NM_001040168	LFNG	0	0.344843253066788	1	2.00E-04	NA	NA	0.0023	0
NM_001085447	CCDC173	0	0.344843253066788	1	2.00E-04	NA	NA	0.0023	0
NM_032970	SEC22C	0	0.344843253066788	1	2.00E-04	NA	NA	0.0023	0
NM_001201584	SEC22C	0	0.344843253066788	1	2.00E-04	NA	NA	0.0023	0
NM_004206	SEC22C	0	0.344843253066788	1	2.00E-04	NA	NA	0.0023	0
NM_203291	RBBP8	0	0.345297592003635	0.9998	4.00E-04	NA	NA	0.0023	1.00E-04
NM_203292	RBBP8	0	0.345297592003635	1	4.00E-04	NA	NA	0.0023	1.00E-04
NM_032343	CHCHD6	0	0.345297592003635	1	2.00E-04	NA	NA	0.0023	0

NM_006947	SRP72	0	0.345297592003635	1	2.00E-04	NA	NA	0.0023	0
NM_001267722	SRP72	0	0.345297592003635	1	2.00E-04	NA	NA	0.0023	0
NM_025141	TM2D3	0	0.345297592003635	1	2.00E-04	NA	NA	0.0023	0
NM_078474	TM2D3	0	0.345297592003635	1	2.00E-04	NA	NA	0.0023	0
NM_001199828	SPRR1A	0	0.345751930940482	1	2.00E-04	NA	NA	0.0023	0
NM_005987	SPRR1A	0	0.345751930940482	1	2.00E-04	NA	NA	0.0023	0
NM_006407	ARL6IP5	0	0.345751930940482	1	2.00E-04	NA	NA	0.0023	0
NM_015527	TBC1D10B	0	0.345751930940482	1	2.00E-04	NA	NA	0.0023	0
NM_001278548	MAPK8	0	0.346206269877328	1	2.00E-04	NA	NA	0.0023	0
NM_139049	MAPK8	0	0.346206269877328	1	2.00E-04	NA	NA	0.0023	0
NM_002750	MAPK8	0	0.346206269877328	1	2.00E-04	NA	NA	0.0023	0
NM_139046	MAPK8	0	0.346206269877328	1	2.00E-04	NA	NA	0.0023	0
NM_005479	FRAT1	0	0.346206269877328	1	2.00E-04	NA	NA	0.0023	0
NM_001145258	IRAK4	0	0.346206269877328	1	2.00E-04	NA	NA	0.0023	0
NM_001145256	IRAK4	0	0.346206269877328	1	2.00E-04	NA	NA	0.0023	0
NM_016123	IRAK4	0	0.346206269877328	1	2.00E-04	NA	NA	0.0023	0
NM_001145257	IRAK4	0	0.346206269877328	1	2.00E-04	NA	NA	0.0023	0
NM_001114182	IRAK4	0	0.346206269877328	1	2.00E-04	NA	NA	0.0023	0
NR_046105	MIR137HG	0	0.346660608814175	1	2.00E-04	NA	NA	0.0023	0
NM_198275	MPZL3	0	0.346660608814175	1	2.00E-04	NA	NA	0.0023	0
NM_001256782	38231	0	0.346660608814175	1	2.00E-04	NA	NA	0.0023	0
NM_001198713	38231	0	0.346660608814175	1	2.00E-04	NA	NA	0.0023	0
NM_006937	SUMO2	0	0.346660608814175	1	2.00E-04	NA	NA	0.0023	0
NM_001005849	SUMO2	0	0.346660608814175	1	2.00E-04	NA	NA	0.0023	0
NM_001109689	ZNF250	0.036347114947751	0.383462062698773	1	2.00E-04	NA	NA	0.0023	0
NM_021061	ZNF250	0.036347114947751	0.383462062698773	1	2.00E-04	NA	NA	0.0023	0
NM_004112	FGF11	0	0.347114947751022	1	2.00E-04	NA	NA	0.0023	0
NM_004546	NDUFB2	0	0.347114947751022	1	2.00E-04	NA	NA	0.0023	0
NM_020464	NHSL1	0	0.347114947751022	1	2.00E-04	NA	NA	0.0023	0
NM_001040710	FAM228A	0	0.347569286687869	1	2.00E-04	NA	NA	0.0023	0
NM_001114982	TP63	0	0.347569286687869	1	2.00E-04	NA	NA	0.0023	0
NM_001114981	TP63	0	0.347569286687869	1	2.00E-04	NA	NA	0.0023	0
NM_001114980	TP63	0	0.347569286687869	1	2.00E-04	NA	NA	0.0023	0
NM_001256214	ATP1A3	0	0.347569286687869	1	2.00E-04	NA	NA	0.0023	0
NM_152296	ATP1A3	0	0.347569286687869	1	2.00E-04	NA	NA	0.0023	0
NM_001097589	SPRR3	0	0.348023625624716	1	2.00E-04	NA	NA	0.0023	0
NM_005416	SPRR3	0	0.348023625624716	1	2.00E-04	NA	NA	0.0023	0
NM_001113324	TEN1	0	0.348023625624716	1	2.00E-04	NA	NA	0.0023	0
NR_037709	TEN1-CDK3	0	0.348023625624716	1	2.00E-04	NA	NA	0.0023	0
NM_001278591	LIAS	0.084961381190368	0.433439345751931	1	2.00E-04	NA	NA	0.0023	0
NM_001278590	LIAS	0.084961381190368	0.433439345751931	1	2.00E-04	NA	NA	0.0023	0
NM_194451	LIAS	0.084961381190368	0.433439345751931	1	2.00E-04	NA	NA	0.0023	0
NM_006859	LIAS	0.084961381190368	0.433439345751931	1	2.00E-04	NA	NA	0.0023	0
NM_001278592	LIAS	0.084961381190368	0.433439345751931	1	2.00E-04	NA	NA	0.0023	0
NM_006322	TUBGCP3	0	0.348477964561563	1	4.00E-04	NA	NA	0.0023	1.00E-04
NM_001271318	ZNF512	0.101771921853703	0.45115856428896	1	2.00E-04	NA	NA	0.0023	0
NM_032434	ZNF512	0.101771921853703	0.45115856428896	1	2.00E-04	NA	NA	0.0023	0

NM_001271288	ZNF512	0.101771921853703	0.45115856428896	1	2.00E-04	NA	NA	0.0023	0
NM_001271287	ZNF512	0.101771921853703	0.45115856428896	1	2.00E-04	NA	NA	0.0023	0
NM_001271289	ZNF512	0.101771921853703	0.45115856428896	1	2.00E-04	NA	NA	0.0023	0
NM_001271286	ZNF512	0.101771921853703	0.45115856428896	1	2.00E-04	NA	NA	0.0023	0
NM_014738	KIAA0195	0	0.349386642435257	1	2.00E-04	NA	NA	0.0023	0
NR_027392	INTS4L2	0	0.349386642435257	1	2.00E-04	NA	NA	0.0023	0
NM_199424	WWP2	0.0222626079054975	0.372103589277601	1	2.00E-04	NA	NA	0.0023	0
NM_203403	LURAP1L	0	0.349840981372104	1	2.00E-04	NA	NA	0.0023	0
NM_004527	MEOX1	0	0.349840981372104	1	2.00E-04	NA	NA	0.0023	0
NM_013999	MEOX1	0	0.349840981372104	1	2.00E-04	NA	NA	0.0023	0
NM_001199174	MLST8	0	0.35029532030895	1	2.00E-04	NA	NA	0.0023	0
NM_020719	PRR12	0	0.35029532030895	1	2.00E-04	NA	NA	0.0023	0
NM_001278641	RANBP1	0.0268059972739664	0.377101317582917	1	2.00E-04	NA	NA	0.0023	0
NM_181453	GCC2	0	0.351203998182644	1	2.00E-04	NA	NA	0.0023	0
NR_028063	GCC2	0	0.351203998182644	1	2.00E-04	NA	NA	0.0023	0
NM_080840	PTPRA	0	0.351203998182644	1	2.00E-04	NA	NA	0.0023	0
NR_046406	TXNDC12	0	0.351203998182644	1	2.00E-04	NA	NA	0.0023	0
NM_015913	TXNDC12	0	0.351203998182644	1	2.00E-04	NA	NA	0.0023	0
NR_046405	TXNDC12	0	0.351203998182644	1	2.00E-04	NA	NA	0.0023	0
NM_025069	ZNF703	0	0.351658337119491	1	2.00E-04	NA	NA	0.0023	0
NM_198393	TEX14	0	0.351658337119491	1	2.00E-04	NA	NA	0.0023	0
NM_001201457	TEX14	0	0.351658337119491	1	2.00E-04	NA	NA	0.0023	0
NM_031272	TEX14	0	0.351658337119491	1	2.00E-04	NA	NA	0.0023	0
NM_144690	ZNF582	0	0.351658337119491	1	2.00E-04	NA	NA	0.0023	0
NM_153269	C20orf96	0.0213539300318037	0.373012267151295	1	2.00E-04	NA	NA	0.0023	0
NM_080571	C20orf96	0.0213539300318037	0.373012267151295	1	2.00E-04	NA	NA	0.0023	0
NM_001161662	WWC1	0	0.352112676056338	1	2.00E-04	NA	NA	0.0023	0
NM_001161661	WWC1	0	0.352112676056338	1	2.00E-04	NA	NA	0.0023	0
NM_015238	WWC1	0	0.352112676056338	1	2.00E-04	NA	NA	0.0023	0
NM_024942	C10orf88	0	0.352112676056338	1	2.00E-04	NA	NA	0.0023	0
NM_005917	MDH1	0.15765561108587	0.510676965015902	0.9998	2.00E-04	NA	NA	0.0023	0
NM_030793	FBXO38	0	0.353021353930032	1	2.00E-04	NA	NA	0.0023	0
NM_001271723	FBXO38	0	0.353021353930032	1	2.00E-04	NA	NA	0.0023	0
NM_001009608	SLX4IP	0	0.353475692866879	1	2.00E-04	NA	NA	0.0023	0
NM_181508	HPSS	0	0.353475692866879	1	2.00E-04	NA	NA	0.0023	0
NM_181507	HPSS	0	0.353475692866879	1	2.00E-04	NA	NA	0.0023	0
NM_007216	HPSS	0	0.353475692866879	1	2.00E-04	NA	NA	0.0023	0
NM_001145472	LOXHD1	0	0.353475692866879	1	2.00E-04	NA	NA	0.0023	0
NM_006309	LRRFIP2	0	0.353475692866879	1	2.00E-04	NA	NA	0.0023	0
NM_001163380	RAB2B	0.0990458882326215	0.452975920036347	1	2.00E-04	NA	NA	0.0023	0
NM_001128626	SPIRE1	0.0358927760109041	0.38982280781463	1	2.00E-04	NA	NA	0.0023	0
NM_020148	SPIRE1	0.0358927760109041	0.38982280781463	1	2.00E-04	NA	NA	0.0023	0
NM_178127	ANGPTL5	0	0.353930031803726	1	2.00E-04	NA	NA	0.0023	0
NM_005433	YES1	0	0.353930031803726	1	2.00E-04	NA	NA	0.0023	0
NR_033979	HOXD-AS1	0	0.353930031803726	1	2.00E-04	NA	NA	0.0023	0
NM_002491	NDUFB3	0	0.354384370740572	1	2.00E-04	NA	NA	0.0023	0
NM_001257102	NDUFB3	0	0.354384370740572	1	2.00E-04	NA	NA	0.0023	0

NM_212474	FN1	0	0.354384370740572	1	2.00E-04	NA	NA	0.0023	0
NM_054034	FN1	0	0.354384370740572	1	2.00E-04	NA	NA	0.0023	0
NM_002026	FN1	0	0.354384370740572	1	2.00E-04	NA	NA	0.0023	0
NM_212478	FN1	0	0.354384370740572	1	2.00E-04	NA	NA	0.0023	0
NM_212482	FN1	0	0.354384370740572	1	2.00E-04	NA	NA	0.0023	0
NM_212476	FN1	0	0.354384370740572	1	2.00E-04	NA	NA	0.0023	0
NR_026591	RAD1	0	0.354384370740572	1	2.00E-04	NA	NA	0.0023	0
NM_032638	GATA2	0	0.354838709677419	1	2.00E-04	NA	NA	0.0023	0
NR_037504	MIR3939	0	0.354838709677419	1	2.00E-04	NA	NA	0.0023	0
NM_032290	ANKRD32	0	0.355293048614266	1	2.00E-04	NA	NA	0.0023	0
NM_003742	ABCB11	0	0.355293048614266	1	2.00E-04	NA	NA	0.0023	0
NM_002853	RAD1	0	0.355293048614266	1	2.00E-04	NA	NA	0.0023	0
NM_015866	PRDM2	0.0113584734211722	0.367105860972285	1	2.00E-04	NA	NA	0.0023	0
NM_012231	PRDM2	0.0113584734211722	0.367105860972285	1	2.00E-04	NA	NA	0.0023	0
NR_024347	LINCO0304	0.220354384370741	0.576101771921854	1	2.00E-04	1	0.1555	0.0023	0
NM_001005163	OR52D1	0	0.355747387551113	1	2.00E-04	NA	NA	0.0023	0
NM_001378	DYNC1I2	0	0.355747387551113	1	2.00E-04	NA	NA	0.0023	0
NM_001271790	DYNC1I2	0	0.355747387551113	1	2.00E-04	NA	NA	0.0023	0
NM_001271788	DYNC1I2	0	0.355747387551113	1	2.00E-04	NA	NA	0.0023	0
NM_001271786	DYNC1I2	0	0.355747387551113	1	2.00E-04	NA	NA	0.0023	0
NM_025231	ZSCAN16	0	0.355747387551113	1	2.00E-04	NA	NA	0.0023	0
NR_047673	LRRC4C	0	0.355747387551113	1	2.00E-04	NA	NA	0.0023	0
NR_047674	LRRC4C	0	0.355747387551113	1	2.00E-04	NA	NA	0.0023	0
NM_001143985	BANF1	0	0.35620172648796	1	2.00E-04	NA	NA	0.0023	0
NM_003860	BANF1	0	0.35620172648796	1	2.00E-04	NA	NA	0.0023	0
NM_005259	MSTN	0	0.35620172648796	1	2.00E-04	NA	NA	0.0023	0
NM_015206	KIAA1024	0	0.356656065424807	1	2.00E-04	NA	NA	0.0023	0
NM_001001937	ATPSA1	0	0.356656065424807	1	2.00E-04	NA	NA	0.0023	0
NR_028389	ACVR2B-AS1	0	0.356656065424807	1	2.00E-04	NA	NA	0.0023	0
NM_001172109	SENP8	0	0.357110404361654	1	2.00E-04	NA	NA	0.0023	0
NR_015359	WDFY3-AS2	0	0.357110404361654	1	2.00E-04	NA	NA	0.0023	0
NM_173487	C4orf33	0	0.357110404361654	1	2.00E-04	NA	NA	0.0023	0
NM_020211	RGMA	0	0.357110404361654	1	2.00E-04	NA	NA	0.0023	0
NM_033266	ERN2	0	0.357110404361654	1	2.00E-04	NA	NA	0.0023	0
NM_001258221	KCTD1	0	0.357110404361654	1	2.00E-04	NA	NA	0.0023	0
NM_006639	CYSLTR1	0	0.357110404361654	1	2.00E-04	NA	NA	0.0023	0
NM_001282186	CYSLTR1	0	0.357110404361654	1	2.00E-04	NA	NA	0.0023	0
NM_001282187	CYSLTR1	0	0.357110404361654	1	2.00E-04	NA	NA	0.0023	0
NM_001282188	CYSLTR1	0	0.357110404361654	1	2.00E-04	NA	NA	0.0023	0
NM_001278170	ZNF33A	0	0.357564743298501	1	2.00E-04	NA	NA	0.0023	0
NM_001278173	ZNF33A	0	0.357564743298501	1	2.00E-04	NA	NA	0.0023	0
NM_001278174	ZNF33A	0	0.357564743298501	1	2.00E-04	NA	NA	0.0023	0
NM_006974	ZNF33A	0	0.357564743298501	1	2.00E-04	NA	NA	0.0023	0
NM_006954	ZNF33A	0	0.357564743298501	1	2.00E-04	NA	NA	0.0023	0
NM_001278179	ZNF33A	0	0.357564743298501	1	2.00E-04	NA	NA	0.0023	0
NM_001278176	ZNF33A	0	0.357564743298501	1	2.00E-04	NA	NA	0.0023	0
NM_001278178	ZNF33A	0	0.357564743298501	1	2.00E-04	NA	NA	0.0023	0

NM_001278177	ZNF33A	0	0.357564743298501	1	2.00E-04	NA	NA	0.0023	0
NM_001278175	ZNF33A	0	0.357564743298501	1	2.00E-04	NA	NA	0.0023	0
NM_001278171	ZNF33A	0	0.357564743298501	1	2.00E-04	NA	NA	0.0023	0
NM_001135244	TCOF1	0	0.358019082235348	1	2.00E-04	NA	NA	0.0023	0
NM_001135245	TCOF1	0	0.358019082235348	1	2.00E-04	NA	NA	0.0023	0
NM_000356	TCOF1	0	0.358019082235348	1	2.00E-04	NA	NA	0.0023	0
NM_001195141	TCOF1	0	0.358019082235348	1	2.00E-04	NA	NA	0.0023	0
NM_001135243	TCOF1	0	0.358019082235348	1	2.00E-04	NA	NA	0.0023	0
NM_001008657	TCOF1	0	0.358019082235348	1	2.00E-04	NA	NA	0.0023	0
NM_001200047	NMNAT3	0	0.358019082235348	1	2.00E-04	NA	NA	0.0023	0
NM_178177	NMNAT3	0	0.358019082235348	1	2.00E-04	NA	NA	0.0023	0
NM_001270	CHD1	0	0.358019082235348	1	2.00E-04	NA	NA	0.0023	0
NM_001008395	LAMTOR4	0	0.358473421172194	1	2.00E-04	NA	NA	0.0023	0
NM_001012643	MYPOP	0	0.358473421172194	1	2.00E-04	NA	NA	0.0023	0
NM_001130716	PLAC8	0	0.358473421172194	1	2.00E-04	NA	NA	0.0023	0
NM_019079	L1TD1	0	0.358927760109041	1	2.00E-04	NA	NA	0.0023	0
NM_001164835	L1TD1	0	0.358927760109041	1	2.00E-04	NA	NA	0.0023	0
NM_000561	GSTM1	0	0.358927760109041	1	2.00E-04	NA	NA	0.0023	0
NM_146421	GSTM1	0	0.358927760109041	1	2.00E-04	NA	NA	0.0023	0
NM_005733	KIF20A	0	0.358927760109041	1	2.00E-04	NA	NA	0.0023	0
NR_030724	XPNPEP1	0	0.358927760109041	1	2.00E-04	NA	NA	0.0023	0
NM_020383	XPNPEP1	0	0.358927760109041	1	2.00E-04	NA	NA	0.0023	0
NM_001167604	XPNPEP1	0	0.358927760109041	1	2.00E-04	NA	NA	0.0023	0
NM_018455	CENPN	0	0.359382099045888	1	6.00E-04	NA	NA	0.0099	1.00E-04
NM_001270473	CENPN	0	0.359382099045888	1	2.00E-04	NA	NA	0.0023	0
NM_001100624	CENPN	0	0.359382099045888	1	2.00E-04	NA	NA	0.0023	0
NM_001100625	CENPN	0	0.359382099045888	1	2.00E-04	NA	NA	0.0023	0
NM_001270474	CENPN	0	0.359382099045888	1	2.00E-04	NA	NA	0.0023	0
NR_002987	SNORA61	0	0.359382099045888	1	2.00E-04	NA	NA	0.0023	0
NM_001243728	ATPAF1	0	0.359382099045888	1	2.00E-04	NA	NA	0.0023	0
NM_001256418	ATPAF1	0	0.359382099045888	1	2.00E-04	NA	NA	0.0023	0
NM_001174129	SLC11A2	0	0.359382099045888	1	2.00E-04	NA	NA	0.0023	0
NR_037449	MIR3678	0	0.359836437982735	1	2.00E-04	NA	NA	0.0023	0
NM_182899	CREB5	0	0.359836437982735	1	2.00E-04	NA	NA	0.0023	0
NR_026826	INTS9	0	0.359836437982735	1	2.00E-04	NA	NA	0.0023	0
NM_018250	INTS9	0	0.359836437982735	1	2.00E-04	NA	NA	0.0023	0
NM_001145159	INTS9	0	0.359836437982735	1	2.00E-04	NA	NA	0.0023	0
NM_018161	NADSYN1	0	0.360290776919582	1	6.00E-04	NA	NA	0.0099	1.00E-04
NM_003509	HIST1H2AI	0	0.360290776919582	1	2.00E-04	NA	NA	0.0023	0
NM_006368	CREB3	0	0.360290776919582	1	2.00E-04	NA	NA	0.0023	0
NM_001284277	PITPNB	0	0.360290776919582	1	2.00E-04	NA	NA	0.0023	0
NM_012399	PITPNB	0	0.360290776919582	1	2.00E-04	NA	NA	0.0023	0
NM_001136053	TPRA1	0	0.360290776919582	1	2.00E-04	NA	NA	0.0023	0
NM_001142646	TPRA1	0	0.360290776919582	1	2.00E-04	NA	NA	0.0023	0
NR_073377	TPRA1	0	0.360290776919582	1	2.00E-04	NA	NA	0.0023	0
NM_016484	PDZD11	0	0.360290776919582	1	2.00E-04	NA	NA	0.0023	0
NM_001098625	JKAMP	0	0.360745115856429	1	2.00E-04	NA	NA	0.0023	0



NM_001284201	JKAMP	0	0.360745115856429	1	2.00E-04	NA	NA	0.0023	0
NM_001284202	JKAMP	0	0.360745115856429	1	2.00E-04	NA	NA	0.0023	0
NM_001284203	JKAMP	0	0.360745115856429	1	2.00E-04	NA	NA	0.0023	0
NM_001284204	JKAMP	0	0.360745115856429	1	2.00E-04	NA	NA	0.0023	0
NM_016475	JKAMP	0	0.360745115856429	1	2.00E-04	NA	NA	0.0023	0
NR_003574	ABCA17P	0	0.360745115856429	1	2.00E-04	NA	NA	0.0023	0
NR_003679	HAND2-AS1	0	0.360745115856429	1	2.00E-04	NA	NA	0.0023	0
NM_002354	EPCAM	0.0204452521581099	0.381190368014539	1	2.00E-04	NA	NA	0.0023	0
NR_024605	EFCAB1	0.0831440254429805	0.444343480236256	1	2.00E-04	NA	NA	0.0023	0
NM_001142857	EFCAB1	0.0831440254429805	0.444343480236256	1	2.00E-04	NA	NA	0.0023	0
NM_024593	EFCAB1	0.0831440254429805	0.444343480236256	1	2.00E-04	NA	NA	0.0023	0
NM_001018138	NME2	0	0.361199454793276	1	2.00E-04	NA	NA	0.0023	0
NR_040058	RAD51-AS1	0	0.361199454793276	1	2.00E-04	NA	NA	0.0023	0
NM_001170538	DZIP1L	0	0.361199454793276	1	2.00E-04	NA	NA	0.0023	0
NM_003126	SPTA1	0	0.361653793730123	1	2.00E-04	NA	NA	0.0023	0
NM_001005920	JMJD8	0	0.361653793730123	1	2.00E-04	NA	NA	0.0023	0
NM_032511	FAXC	0	0.361653793730123	1	2.00E-04	NA	NA	0.0023	0
NM_005430	WNT1	0	0.36210813266697	1	2.00E-04	NA	NA	0.0023	0
NM_001166131	EME1	0	0.36210813266697	1	2.00E-04	NA	NA	0.0023	0
NM_152463	EME1	0	0.36210813266697	1	2.00E-04	NA	NA	0.0023	0
NM_002228	JUN	0	0.36210813266697	1	2.00E-04	NA	NA	0.0023	0
NM_001243597	CDON	0	0.363016810540663	1	2.00E-04	NA	NA	0.0023	0
NM_016952	CDON	0	0.363016810540663	1	2.00E-04	NA	NA	0.0023	0
NM_181844	BCL6B	0	0.36347114947751	1	2.00E-04	NA	NA	0.0023	0
NM_001199456	BRD2	0	0.36347114947751	1	2.00E-04	NA	NA	0.0023	0
NM_016378	VCX2	0	0.36347114947751	1	2.00E-04	NA	NA	0.0023	0
NM_018326	GIMAP4	0	0.363925488414357	1	2.00E-04	NA	NA	0.0023	0
NM_001282707	PDIA6	0	0.363925488414357	1	2.00E-04	NA	NA	0.0023	0
NM_005742	PDIA6	0	0.363925488414357	1	2.00E-04	NA	NA	0.0023	0
NM_005255	GAK	0	0.363925488414357	1	2.00E-04	NA	NA	0.0023	0
NM_021189	CADM3	0	0.364379827351204	1	2.00E-04	NA	NA	0.0023	0
NM_001127173	CADM3	0	0.364379827351204	1	2.00E-04	NA	NA	0.0023	0
NM_004731	SLC16A7	0	0.364379827351204	1	2.00E-04	NA	NA	0.0023	0
NR_073056	SLC16A7	0	0.364379827351204	1	2.00E-04	NA	NA	0.0023	0
NR_073055	SLC16A7	0	0.364379827351204	1	2.00E-04	NA	NA	0.0023	0
NM_007276	CBX3	0	0.364379827351204	0.9998	0.001	NA	NA	0.0099	2.00E-04
NM_014872	ZBTB5	0	0.364379827351204	1	2.00E-04	NA	NA	0.0023	0
NM_002435	MPI	0	0.364834166288051	1	2.00E-04	NA	NA	0.0023	0
NM_005378	MYCN	0	0.364834166288051	1	2.00E-04	NA	NA	0.0023	0
NM_015052	HECW1	0	0.364834166288051	1	2.00E-04	NA	NA	0.0023	0
NM_058240	SLC8A3	0	0.364834166288051	1	2.00E-04	NA	NA	0.0023	0
NM_183002	SLC8A3	0	0.364834166288051	1	2.00E-04	NA	NA	0.0023	0
NM_033262	SLC8A3	0	0.364834166288051	1	2.00E-04	NA	NA	0.0023	0
NR_104122	SLC8A3	0	0.364834166288051	1	2.00E-04	NA	NA	0.0023	0
NM_182932	SLC8A3	0	0.364834166288051	1	2.00E-04	NA	NA	0.0023	0
NM_174858	AK5	0.0795093139482054	0.444797819173103	1	2.00E-04	NA	NA	0.0023	0
NR_030173	MIR432	0.115402089959109	0.480690595184007	1	2.00E-04	NA	NA	0.0023	0

NM_001145132	<i>C5orf52</i>	0	0.365288505224898	1	2.00E-04	NA	NA	0.0023	0
NM_001122964	<i>SMEK2</i>	0	0.365288505224898	1	2.00E-04	NA	NA	0.0023	0
NM_001282850	<i>SMEK2</i>	0	0.365288505224898	1	2.00E-04	NA	NA	0.0023	0
NM_020463	<i>SMEK2</i>	0	0.365288505224898	1	2.00E-04	NA	NA	0.0023	0
NM_033176	<i>NKX2-4</i>	0	0.365288505224898	1	2.00E-04	NA	NA	0.0023	0
NM_022977	<i>ACSL4</i>	0	0.365288505224898	1	2.00E-04	NA	NA	0.0023	0
NM_004458	<i>ACSL4</i>	0	0.365288505224898	1	2.00E-04	NA	NA	0.0023	0
NM_004316	<i>ASCL1</i>	0	0.365742844161745	1	2.00E-04	NA	NA	0.0023	0
NM_001426	<i>EN1</i>	0	0.365742844161745	1	2.00E-04	NA	NA	0.0023	0
NR_026575	<i>GK3P</i>	0.0840527033166742	0.450249886415266	1	2.00E-04	NA	NA	0.0023	0
NM_144719	<i>CCDC13</i>	0	0.366197183098592	1	2.00E-04	NA	NA	0.0023	0
NM_024091	<i>FASTKD3</i>	0	0.366197183098592	1	2.00E-04	NA	NA	0.0023	0
NR_036553	<i>FASTKD3</i>	0	0.366197183098592	1	2.00E-04	NA	NA	0.0023	0
NR_073608	<i>FASTKD3</i>	0	0.366197183098592	1	2.00E-04	NA	NA	0.0023	0
NM_001713	<i>BHMT</i>	0	0.366651522035438	1	2.00E-04	NA	NA	0.0023	0
NM_002250	<i>KCNN4</i>	0	0.366651522035438	1	2.00E-04	NA	NA	0.0023	0
NR_073599	<i>ZNF142</i>	0	0.366651522035438	1	2.00E-04	NA	NA	0.0023	0
NM_024665	<i>TBL1XR1</i>	0	0.366651522035438	1	2.00E-04	NA	NA	0.0023	0
NM_000367	<i>TPMT</i>	0	0.366651522035438	1	2.00E-04	NA	NA	0.0023	0
NM_001168467	<i>MAP7D2</i>	0.0563380281690141	0.422989550204453	1	2.00E-04	NA	NA	0.0023	0
NM_152376	<i>UBXN10</i>	0	0.367105860972285	1	2.00E-04	NA	NA	0.0023	0
NM_152594	<i>SPRED1</i>	0	0.367105860972285	1	2.00E-04	NA	NA	0.0023	0
NM_178539	<i>FAM19A2</i>	0	0.367105860972285	1	2.00E-04	NA	NA	0.0023	0
NM_133499	<i>SYN1</i>	0	0.367105860972285	1	2.00E-04	NA	NA	0.0023	0
NM_006950	<i>SYN1</i>	0	0.367105860972285	1	2.00E-04	NA	NA	0.0023	0
NM_004623	<i>TTC4</i>	0	0.367560199909132	1	2.00E-04	NA	NA	0.0023	0
NM_004048	<i>B2M</i>	0	0.367560199909132	1	2.00E-04	NA	NA	0.0023	0
NM_144721	<i>THAP6</i>	0	0.367560199909132	1	2.00E-04	NA	NA	0.0023	0
NM_000879	<i>IL5</i>	0	0.367560199909132	1	2.00E-04	NA	NA	0.0023	0
NM_181689	<i>NNAT</i>	0	0.368014538845979	1	2.00E-04	NA	NA	0.0023	0
NM_005386	<i>NNAT</i>	0	0.368014538845979	1	2.00E-04	NA	NA	0.0023	0
NM_001171811	<i>GBA</i>	0	0.368014538845979	1	2.00E-04	NA	NA	0.0023	0
NM_001005742	<i>GBA</i>	0	0.368014538845979	1	2.00E-04	NA	NA	0.0023	0
NM_001005741	<i>GBA</i>	0	0.368014538845979	1	2.00E-04	NA	NA	0.0023	0
NM_001195129	<i>PRSS56</i>	0	0.368468877782826	1	2.00E-04	NA	NA	0.0023	0
NM_006814	<i>PSMF1</i>	0	0.368468877782826	1	2.00E-04	NA	NA	0.0023	0
NM_019888	<i>MC3R</i>	0	0.368468877782826	1	2.00E-04	NA	NA	0.0023	0
NM_001033059	<i>AMD1</i>	0	0.368468877782826	1	2.00E-04	NA	NA	0.0023	0
NM_178454	<i>DRAM2</i>	0	0.368468877782826	1	2.00E-04	NA	NA	0.0023	0
NM_139265	<i>EHD4</i>	0	0.368468877782826	1	2.00E-04	NA	NA	0.0023	0
NM_001139459	<i>CNST</i>	0	0.368923216719673	1	2.00E-04	NA	NA	0.0023	0
NM_152609	<i>CNST</i>	0	0.368923216719673	1	2.00E-04	NA	NA	0.0023	0
NM_001634	<i>AMD1</i>	0	0.368923216719673	1	2.00E-04	NA	NA	0.0023	0
NM_001242393	<i>ACSS2</i>	0	0.36937755565652	1	2.00E-04	NA	NA	0.0023	0
NM_052928	<i>SMYD4</i>	0	0.36937755565652	1	2.00E-04	NA	NA	0.0023	0
NM_030965	<i>ST6GALNAC5</i>	0.0690595184007269	0.438891412994094	0.9972	0.0052	NA	NA	0.0458	9.00E-04
NM_018179	<i>ATF7IP</i>	0	0.370286233530214	1	2.00E-04	NA	NA	0.0023	0

NR_036652	EFTUD1P1	0	0.370286233530214	1	2.00E-04	NA	NA	0.0023	0
NM_001199514	TGIF2	0	0.370286233530214	1	2.00E-04	NA	NA	0.0023	0
NM_001199513	TGIF2	0	0.370286233530214	1	2.00E-04	NA	NA	0.0023	0
NM_021809	TGIF2	0	0.370286233530214	1	2.00E-04	NA	NA	0.0023	0
NM_001029854	PDE8B	0	0.370286233530214	1	2.00E-04	NA	NA	0.0023	0
NM_001029851	PDE8B	0	0.370286233530214	1	2.00E-04	NA	NA	0.0023	0
NM_001029853	PDE8B	0	0.370286233530214	1	2.00E-04	NA	NA	0.0023	0
NM_001029852	PDE8B	0	0.370286233530214	1	2.00E-04	NA	NA	0.0023	0
NM_003719	PDE8B	0	0.370286233530214	1	2.00E-04	NA	NA	0.0023	0
NM_001167830	TMED5	0	0.370286233530214	1	2.00E-04	NA	NA	0.0023	0
NM_016040	TMED5	0	0.370286233530214	1	2.00E-04	NA	NA	0.0023	0
NR_030761	TMED5	0	0.370286233530214	1	2.00E-04	NA	NA	0.0023	0
NM_003893	LDB1	0	0.370286233530214	1	2.00E-04	NA	NA	0.0023	0
NM_020983	ADCY6	0	0.370286233530214	1	2.00E-04	NA	NA	0.0023	0
NM_173500	TTBK2	0	0.370286233530214	1	0.0016	NA	NA	0.0183	3.00E-04
NM_005531	IFI16	0	0.37074057246706	1	2.00E-04	NA	NA	0.0023	0
NM_001206567	IFI16	0	0.37074057246706	1	2.00E-04	NA	NA	0.0023	0
NM_207303	ATRNL1	0	0.37074057246706	1	2.00E-04	NA	NA	0.0023	0
NM_001276282	ATRNL1	0	0.37074057246706	1	2.00E-04	NA	NA	0.0023	0
NR_074088	ATRNL1	0	0.37074057246706	1	2.00E-04	NA	NA	0.0023	0
NM_005222	DLX6	0	0.37074057246706	1	2.00E-04	NA	NA	0.0023	0
NM_001079900	SPACA5B	0	0.37074057246706	1	2.00E-04	NA	NA	0.0023	0
NM_006671	SLC1A7	0	0.37074057246706	1	2.00E-04	NA	NA	0.0023	0
NM_005049	PWP2	0	0.371194911403907	1	2.00E-04	NA	NA	0.0023	0
NR_038927	DDX11-AS1	0	0.371194911403907	1	2.00E-04	NA	NA	0.0023	0
NM_002583	PAWR	0	0.371194911403907	1	2.00E-04	NA	NA	0.0023	0
NM_018908	PCDHA5	0.164470695138573	0.535665606542481	1	2.00E-04	NA	NA	0.0023	0
NM_031501	PCDHA5	0.164470695138573	0.535665606542481	1	2.00E-04	NA	NA	0.0023	0
NM_001129829	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129840	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129841	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129831	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129827	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_000719	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129832	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129844	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001167625	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129830	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129843	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129842	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129834	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129838	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129837	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129833	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129846	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001167623	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129839	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0

NM_001167624	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129836	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_001129835	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_199460	CACNA1C	0	0.371649250340754	1	2.00E-04	NA	NA	0.0023	0
NM_000851	GSTM5	0	0.372103589277601	1	2.00E-04	NA	NA	0.0023	0
NM_001199268	DGKZ	0	0.372103589277601	1	2.00E-04	NA	NA	0.0023	0
NM_003646	DGKZ	0	0.372103589277601	1	2.00E-04	NA	NA	0.0023	0
NM_001199267	DGKZ	0	0.372103589277601	1	2.00E-04	NA	NA	0.0023	0
NM_001199266	DGKZ	0	0.372103589277601	1	2.00E-04	NA	NA	0.0023	0
NM_198219	ING1	0	0.372103589277601	1	2.00E-04	NA	NA	0.0023	0
NM_198218	ING1	0	0.372103589277601	1	2.00E-04	NA	NA	0.0023	0
NM_153354	TMEM161B	0	0.372557928214448	1	2.00E-04	NA	NA	0.0023	0
NM_001145928	SAP130	0	0.373012267151295	1	2.00E-04	NA	NA	0.0023	0
NM_024545	SAP130	0	0.373012267151295	1	2.00E-04	NA	NA	0.0023	0
NM_017935	BANK1	0	0.373466606088142	1	2.00E-04	NA	NA	0.0023	0
NM_001127507	BANK1	0	0.373466606088142	1	2.00E-04	NA	NA	0.0023	0
NM_001105563	CCHCR1	0	0.373466606088142	1	2.00E-04	NA	NA	0.0023	0
NM_001105564	CCHCR1	0	0.373466606088142	1	2.00E-04	NA	NA	0.0023	0
NM_019052	CCHCR1	0	0.373466606088142	1	2.00E-04	NA	NA	0.0023	0
NM_001126181	NRGN	0	0.373920945024989	1	2.00E-04	NA	NA	0.0023	0
NM_006176	NRGN	0	0.373920945024989	1	2.00E-04	NA	NA	0.0023	0
NM_004503	HOXC6	0	0.373920945024989	1	2.00E-04	NA	NA	0.0023	0
NM_006612	KIF1C	0	0.373920945024989	1	2.00E-04	NA	NA	0.0023	0
NM_001146688	KDM3A	0	0.373920945024989	1	2.00E-04	NA	NA	0.0023	0
NM_001526	HCRTR2	0	0.373920945024989	1	2.00E-04	NA	NA	0.0023	0
NM_016612	SLC25A37	0	0.373920945024989	1	2.00E-04	NA	NA	0.0023	0
NM_018518	MCM10	0	0.374375283961836	1	2.00E-04	NA	NA	0.0023	0
NM_182751	MCM10	0	0.374375283961836	1	2.00E-04	NA	NA	0.0023	0
NM_024335	IRX6	0	0.374375283961836	1	2.00E-04	NA	NA	0.0023	0
NM_175063	EMC10	0	0.374375283961836	1	2.00E-04	NA	NA	0.0023	0
NM_206538	EMC10	0	0.374375283961836	1	2.00E-04	NA	NA	0.0023	0
NM_012304	FBXL7	0	0.374375283961836	1	2.00E-04	NA	NA	0.0023	0
NM_152779	GLIPR1L1	0	0.374829622898682	1	2.00E-04	NA	NA	0.0023	0
NM_014674	EDEM1	0	0.374829622898682	1	2.00E-04	NA	NA	0.0023	0
NM_005651	TDO2	0	0.374829622898682	1	2.00E-04	NA	NA	0.0023	0
NM_003427	ZNF76	0	0.374829622898682	1	2.00E-04	NA	NA	0.0023	0
NM_001100391	RALYL	0	0.374829622898682	1	2.00E-04	NA	NA	0.0023	0
NM_025082	CENPT	0	0.374829622898682	1	2.00E-04	NA	NA	0.0023	0
NM_175875	SIX5	0	0.374829622898682	1	2.00E-04	NA	NA	0.0023	0
NM_001270614	DEDD2	0	0.375283961835529	1	2.00E-04	NA	NA	0.0023	0
NR_073047	DEDD2	0	0.375283961835529	1	2.00E-04	NA	NA	0.0023	0
NM_178175	LHFPL1	0	0.375738300772376	1	2.00E-04	NA	NA	0.0023	0
NM_006410	HTATIP2	0	0.376192639709223	1	2.00E-04	NA	NA	0.0023	0
NM_001098521	HTATIP2	0	0.376192639709223	1	2.00E-04	NA	NA	0.0023	0
NM_001098520	HTATIP2	0	0.376192639709223	1	2.00E-04	NA	NA	0.0023	0
NM_001098523	HTATIP2	0	0.376192639709223	1	2.00E-04	NA	NA	0.0023	0
NM_001098522	HTATIP2	0	0.376192639709223	1	2.00E-04	NA	NA	0.0023	0

NM_012183	FOXD3	0.0831440254429805	0.459336665152204	1	2.00E-04	NA	NA	0.0023	0
NM_001282351	FBXL19	0	0.37664697864607	1	2.00E-04	NA	NA	0.0023	0
NM_001086	AADAC	0	0.37664697864607	1	2.00E-04	NA	NA	0.0023	0
NR_001297	PCDHGB8P	0	0.37664697864607	1	2.00E-04	NA	NA	0.0023	0
NM_005619	RTN2	0	0.37664697864607	1	2.00E-04	NA	NA	0.0023	0
NM_206900	RTN2	0	0.37664697864607	1	2.00E-04	NA	NA	0.0023	0
NM_080874	ASB5	0	0.37664697864607	1	2.00E-04	NA	NA	0.0023	0
NR_026553	LINC00161	0	0.377555656519764	1	2.00E-04	NA	NA	0.0023	0
NR_026552	LINC00161	0	0.377555656519764	1	2.00E-04	NA	NA	0.0023	0
NM_012192	TIMM10B	0.116310767832803	0.494320763289414	0.9998	2.00E-04	NA	NA	0.0023	0
NM_001252273	FAM69A	0	0.378009995456611	1	2.00E-04	NA	NA	0.0023	0
NM_001252270	FAM69A	0	0.378009995456611	1	2.00E-04	NA	NA	0.0023	0
NM_001252269	FAM69A	0	0.378009995456611	1	2.00E-04	NA	NA	0.0023	0
NM_001006605	FAM69A	0	0.378009995456611	1	2.00E-04	NA	NA	0.0023	0
NM_001271865	KLHDC8A	0	0.378009995456611	1	2.00E-04	NA	NA	0.0023	0
NM_001271864	KLHDC8A	0	0.378009995456611	1	2.00E-04	NA	NA	0.0023	0
NM_001271863	KLHDC8A	0	0.378009995456611	1	2.00E-04	NA	NA	0.0023	0
NM_148919	PSMB8	0	0.378009995456611	1	2.00E-04	NA	NA	0.0023	0
NM_007026	DUSP14	0	0.378464334393458	1	2.00E-04	NA	NA	0.0023	0
NM_024426	WT1	0	0.378464334393458	1	2.00E-04	NA	NA	0.0023	0
NM_000378	WT1	0	0.378464334393458	1	2.00E-04	NA	NA	0.0023	0
NM_024424	WT1	0	0.378464334393458	1	2.00E-04	NA	NA	0.0023	0
NM_173812	DPY19L2	0	0.378464334393458	1	2.00E-04	NA	NA	0.0023	0
NR_034002	MCF2L-AS1	0	0.378464334393458	1	2.00E-04	NA	NA	0.0023	0
NM_005548	KARS	0	0.378464334393458	1	2.00E-04	NA	NA	0.0023	0
NM_001130089	KARS	0	0.378464334393458	1	2.00E-04	NA	NA	0.0023	0
NM_002356	MARCKS	0	0.378918673330304	1	2.00E-04	NA	NA	0.0023	0
NM_178007	STARD13	0	0.378918673330304	1	2.00E-04	NA	NA	0.0023	0
NM_001243466	STARD13	0	0.378918673330304	1	2.00E-04	NA	NA	0.0023	0
NM_004764	PIWIL1	0	0.379373012267151	1	2.00E-04	NA	NA	0.0023	0
NM_001190971	PIWIL1	0	0.379373012267151	1	2.00E-04	NA	NA	0.0023	0
NM_001113493	40057	0	0.379373012267151	1	2.00E-04	NA	NA	0.0023	0
NR_002731	HYALP1	0.00999545661063153	0.389368468877783	1	2.00E-04	NA	NA	0.0023	0
NM_001040126	PQLC2	0	0.379827351203998	1	2.00E-04	NA	NA	0.0023	0
NM_001040125	PQLC2	0	0.379827351203998	1	2.00E-04	NA	NA	0.0023	0
NM_017765	PQLC2	0	0.379827351203998	1	2.00E-04	NA	NA	0.0023	0
NM_175060	CLEC14A	0	0.379827351203998	1	2.00E-04	NA	NA	0.0023	0
NM_001164530	ZNF135	0	0.380281690140845	1	2.00E-04	NA	NA	0.0023	0
NM_001164529	ZNF135	0	0.380281690140845	1	2.00E-04	NA	NA	0.0023	0
NM_001164527	ZNF135	0	0.380281690140845	1	2.00E-04	NA	NA	0.0023	0
NM_007134	ZNF135	0	0.380281690140845	1	2.00E-04	NA	NA	0.0023	0
NM_003436	ZNF135	0	0.380281690140845	1	2.00E-04	NA	NA	0.0023	0
NM_152390	TMEM178A	0	0.380281690140845	1	2.00E-04	NA	NA	0.0023	0
NM_198966	PTHLH	0	0.380281690140845	1	2.00E-04	NA	NA	0.0023	0
NM_198964	PTHLH	0	0.380281690140845	1	2.00E-04	NA	NA	0.0023	0
NM_001098268	LIG4	0	0.380281690140845	1	2.00E-04	NA	NA	0.0023	0
NM_181602	KRTAP6-1	0	0.380281690140845	1	2.00E-04	NA	NA	0.0023	0

NM_017580	ZRANB1	0	0.380736029077692	1	2.00E-04	NA	NA	0.0023	0
NM_001190469	GDNF	0	0.381190368014539	1	2.00E-04	NA	NA	0.0023	0
NM_001190468	GDNF	0	0.381190368014539	1	2.00E-04	NA	NA	0.0023	0
NM_130435	PTPRE	0	0.381644706951386	1	2.00E-04	NA	NA	0.0023	0
NM_001018008	TPM1	0	0.381644706951386	1	2.00E-04	NA	NA	0.0023	0
NM_001172110	SENP8	0	0.381644706951386	1	2.00E-04	NA	NA	0.0023	0
NM_020977	ANK2	0	0.381644706951386	1	2.00E-04	NA	NA	0.0023	0
NM_001148	ANK2	0	0.381644706951386	1	2.00E-04	NA	NA	0.0023	0
NM_002467	MYC	0	0.381644706951386	1	2.00E-04	NA	NA	0.0023	0
NM_000495	COL4A5	0	0.381644706951386	1	2.00E-04	NA	NA	0.0023	0
NM_033380	COL4A5	0	0.381644706951386	1	2.00E-04	NA	NA	0.0023	0
NM_001098538	PRR4	0	0.381644706951386	1	2.00E-04	NA	NA	0.0023	0
NM_007244	PRR4	0	0.381644706951386	1	2.00E-04	NA	NA	0.0023	0
NM_018451	CENPJ	0	0.381644706951386	1	2.00E-04	NA	NA	0.0023	0
NR_047595	CENPJ	0	0.381644706951386	1	2.00E-04	NA	NA	0.0023	0
NR_047594	CENPJ	0	0.381644706951386	1	2.00E-04	NA	NA	0.0023	0
NM_199051	BRINP3	0	0.382099045888233	1	2.00E-04	NA	NA	0.0023	0
NR_002991	SNORA5C	0	0.382099045888233	1	2.00E-04	NA	NA	0.0023	0
NM_019048	ASNSD1	0	0.38255338482508	1	2.00E-04	NA	NA	0.0023	0
NM_006032	CPNE6	0	0.383007723761926	1	2.00E-04	NA	NA	0.0023	0
NM_003039	SLC2A5	0	0.383007723761926	1	2.00E-04	NA	NA	0.0023	0
NM_001135585	SLC2A5	0	0.383007723761926	1	2.00E-04	NA	NA	0.0023	0
NR_027768	DPY19L2P2	0	0.383007723761926	1	2.00E-04	NA	NA	0.0023	0
NR_003561	DPY19L2P2	0	0.383007723761926	1	2.00E-04	NA	NA	0.0023	0
NM_001001346	CLDN20	0.184461608359836	0.567469332121763	1	2.00E-04	NA	NA	0.0023	0
NM_058180	C21orf58	0	0.383462062698773	1	2.00E-04	NA	NA	0.0023	0
NM_001193435	PLEKHS1	0	0.38391640163562	1	2.00E-04	NA	NA	0.0023	0
NM_024889	PLEKHS1	0	0.38391640163562	1	2.00E-04	NA	NA	0.0023	0
NM_001193434	PLEKHS1	0	0.38391640163562	1	2.00E-04	NA	NA	0.0023	0
NR_029699	MIR136	0.0963198546115402	0.480690595184007	1	2.00E-04	NA	NA	0.0023	0
NR_038320	LOC100507634	0	0.384370740572467	1	2.00E-04	NA	NA	0.0023	0
NM_025090	USP36	0	0.384370740572467	1	2.00E-04	NA	NA	0.0023	0
NM_007275	TUSC2	0	0.384370740572467	1	2.00E-04	NA	NA	0.0023	0
NM_017490	MARK2	0	0.384825079509314	1	2.00E-04	NA	NA	0.0023	0
NM_016232	IL1RL1	0	0.384825079509314	1	2.00E-04	NA	NA	0.0023	0
NM_001282408	IL1RL1	0	0.384825079509314	1	2.00E-04	NA	NA	0.0023	0
NM_175065	HIST2H2AB	0	0.384825079509314	1	2.00E-04	NA	NA	0.0023	0
NM_133452	RAVER1	0	0.384825079509314	1	2.00E-04	NA	NA	0.0023	0
NM_032357	CCDC115	0	0.384825079509314	1	2.00E-04	NA	NA	0.0023	0
NM_199440	HSPD1	0	0.384825079509314	1	2.00E-04	NA	NA	0.0023	0
NR_024032	LINC00474	0.0422535211267606	0.427078600636075	1	2.00E-04	NA	NA	0.0023	0
NM_004126	GNG11	0.0754202635165834	0.460699681962744	1	2.00E-04	NA	NA	0.0023	0
NM_205860	NR5A2	0	0.385279418446161	1	2.00E-04	NA	NA	0.0023	0
NM_003822	NR5A2	0	0.385279418446161	1	2.00E-04	NA	NA	0.0023	0
NM_016531	KLF3	0	0.385279418446161	1	2.00E-04	NA	NA	0.0023	0
NM_005674	ZNF239	0	0.385279418446161	1	2.00E-04	NA	NA	0.0023	0
NM_001442	FABP4	0	0.385733757383008	1	2.00E-04	NA	NA	0.0023	0

NR_002745	SNORD48	0	0.386188096319855	1	2.00E-04	NA	NA	0.0023	0
NM_001267572	TBC1D2	0	0.386188096319855	1	2.00E-04	NA	NA	0.0023	0
NM_022780	RMND5A	0	0.386642435256701	1	2.00E-04	NA	NA	0.0023	0
NM_014170	GTPBP8	0	0.386642435256701	1	2.00E-04	NA	NA	0.0023	0
NM_138485	GTPBP8	0	0.386642435256701	1	2.00E-04	NA	NA	0.0023	0
NM_001271836	CCDC120	0	0.386642435256701	1	2.00E-04	NA	NA	0.0023	0
NM_001017977	DCAF6	0	0.387096774193548	1	2.00E-04	NA	NA	0.0023	0
NM_001198957	DCAF6	0	0.387096774193548	1	2.00E-04	NA	NA	0.0023	0
NM_018442	DCAF6	0	0.387096774193548	1	2.00E-04	NA	NA	0.0023	0
NM_001198956	DCAF6	0	0.387096774193548	1	2.00E-04	NA	NA	0.0023	0
NM_181645	CCDC67	0	0.387096774193548	1	2.00E-04	NA	NA	0.0023	0
NR_103872	RAD51C	0	0.387096774193548	1	2.00E-04	NA	NA	0.0023	0
NM_058216	RAD51C	0	0.387096774193548	1	2.00E-04	NA	NA	0.0023	0
NR_103873	RAD51C	0	0.387096774193548	1	2.00E-04	NA	NA	0.0023	0
NM_002876	RAD51C	0	0.387096774193548	1	2.00E-04	NA	NA	0.0023	0
NM_182811	PLCG1	0	0.387096774193548	1	2.00E-04	NA	NA	0.0023	0
NM_002660	PLCG1	0	0.387096774193548	1	2.00E-04	NA	NA	0.0023	0
NM_001004743	OR5M9	0	0.387096774193548	1	2.00E-04	NA	NA	0.0023	0
NR_002189	SUMO1P1	0	0.387096774193548	1	2.00E-04	NA	NA	0.0023	0
NM_015132	SNX13	0	0.387096774193548	1	2.00E-04	NA	NA	0.0023	0
NR_049881	MIR5696	0	0.387551113130395	1	2.00E-04	NA	NA	0.0023	0
NM_001130100	KIFC3	0	0.387551113130395	1	2.00E-04	NA	NA	0.0023	0
NM_005550	KIFC3	0	0.387551113130395	1	2.00E-04	NA	NA	0.0023	0
NM_207325	DPY19L3	0	0.388005452067242	1	2.00E-04	NA	NA	0.0023	0
NM_018433	KDM3A	0	0.388005452067242	1	2.00E-04	NA	NA	0.0023	0
NR_103997	C9orf96	0	0.388005452067242	0.9998	2.00E-04	NA	NA	0.0023	0
NM_153710	C9orf96	0	0.388005452067242	1	2.00E-04	NA	NA	0.0023	0
NM_017980	LIMS2	0	0.388005452067242	1	2.00E-04	NA	NA	0.0023	0
NM_002807	PSMD1	0	0.388459791004089	1	2.00E-04	NA	NA	0.0023	0
NM_001191037	PSMD1	0	0.388459791004089	1	2.00E-04	NA	NA	0.0023	0
NR_034059	PSMD1	0	0.388459791004089	1	2.00E-04	NA	NA	0.0023	0
NM_001174127	SLC11A2	0	0.388459791004089	1	2.00E-04	NA	NA	0.0023	0
NM_000617	SLC11A2	0	0.388459791004089	1	2.00E-04	NA	NA	0.0023	0
NR_033422	SLC11A2	0	0.388459791004089	1	2.00E-04	NA	NA	0.0023	0
NR_033421	SLC11A2	0	0.388459791004089	1	2.00E-04	NA	NA	0.0023	0
NM_001174128	SLC11A2	0	0.388459791004089	1	2.00E-04	NA	NA	0.0023	0
NM_001174126	SLC11A2	0	0.388459791004089	1	2.00E-04	NA	NA	0.0023	0
NM_173825	RABL3	0	0.388459791004089	1	2.00E-04	NA	NA	0.0023	0
NM_007083	NUDT6	0	0.388914129940936	1	2.00E-04	NA	NA	0.0023	0
NR_024466	LSM5	0	0.388914129940936	1	2.00E-04	NA	NA	0.0023	0
NM_003139	SRPR	0	0.389368468877783	1	2.00E-04	NA	NA	0.0023	0
NM_001177842	SRPR	0	0.389368468877783	1	2.00E-04	NA	NA	0.0023	0
NM_017420	SIX4	0	0.389368468877783	1	2.00E-04	NA	NA	0.0023	0
NM_001143944	LEMD2	0	0.38982280781463	1	2.00E-04	NA	NA	0.0023	0
NR_040773	LOC100505666	0	0.390277146751477	1	2.00E-04	NA	NA	0.0023	0
NM_197962	GLRX2	0	0.390277146751477	1	2.00E-04	NA	NA	0.0023	0
NM_014155	ZBTB44	0	0.390277146751477	1	2.00E-04	NA	NA	0.0023	0

NM_207407	<i>TMPRSS11F</i>	0	0.390731485688323	1	2.00E-04	NA	NA	0.0023	0
NM_198141	<i>GANC</i>	0	0.39118582462517	1	2.00E-04	NA	NA	0.0023	0
NM_153702	<i>ELMOD2</i>	0	0.39118582462517	1	2.00E-04	NA	NA	0.0023	0
NR_040052	<i>IQCH-AS1</i>	0	0.39118582462517	1	2.00E-04	NA	NA	0.0023	0
NR_040051	<i>IQCH-AS1</i>	0	0.39118582462517	1	2.00E-04	NA	NA	0.0023	0
NR_040054	<i>IQCH-AS1</i>	0	0.39118582462517	1	2.00E-04	NA	NA	0.0023	0
NM_002253	<i>KDR</i>	0	0.39118582462517	1	2.00E-04	NA	NA	0.0023	0
NM_000028	<i>AGL</i>	0	0.391640163562017	1	2.00E-04	NA	NA	0.0023	0
NM_000643	<i>AGL</i>	0	0.391640163562017	1	2.00E-04	NA	NA	0.0023	0
NM_000644	<i>AGL</i>	0	0.391640163562017	1	2.00E-04	NA	NA	0.0023	0
NM_000646	<i>AGL</i>	0	0.391640163562017	1	2.00E-04	NA	NA	0.0023	0
NM_001242916	<i>ZFAND6</i>	0	0.391640163562017	1	2.00E-04	NA	NA	0.0023	0
NM_001242915	<i>ZFAND6</i>	0	0.391640163562017	1	2.00E-04	NA	NA	0.0023	0
NM_198469	<i>MORN5</i>	0	0.391640163562017	1	2.00E-04	NA	NA	0.0023	0
NM_012177	<i>FBXO5</i>	0	0.391640163562017	1	2.00E-04	NA	NA	0.0023	0
NM_153695	<i>ZNF367</i>	0	0.391640163562017	1	2.00E-04	NA	NA	0.0023	0
NM_005252	<i>FOS</i>	0	0.392094502498864	1	2.00E-04	NA	NA	0.0023	0
NM_003174	<i>SVIL</i>	0	0.392094502498864	1	2.00E-04	NA	NA	0.0023	0
NR_024562	<i>HPN-AS1</i>	0	0.392094502498864	1	2.00E-04	NA	NA	0.0023	0
NM_181885	<i>RXFP4</i>	0	0.392548841435711	1	2.00E-04	NA	NA	0.0023	0
NM_003551	<i>NME5</i>	0	0.392548841435711	1	2.00E-04	NA	NA	0.0023	0
NM_014296	<i>CAPN7</i>	0	0.393003180372558	1	2.00E-04	NA	NA	0.0023	0
NM_001127608	<i>FAM189A2</i>	0	0.393003180372558	1	2.00E-04	NA	NA	0.0023	0
NM_003937	<i>KYNU</i>	0	0.393457519309405	1	2.00E-04	NA	NA	0.0023	0
NM_001032998	<i>KYNU</i>	0	0.393457519309405	1	2.00E-04	NA	NA	0.0023	0
NM_001199241	<i>KYNU</i>	0	0.393457519309405	1	2.00E-04	NA	NA	0.0023	0
NM_032016	<i>STARD3NL</i>	0	0.393457519309405	1	2.00E-04	NA	NA	0.0023	0
NM_032169	<i>ACAD11</i>	0	0.393911858246252	1	2.00E-04	NA	NA	0.0023	0
NM_003530	<i>HIST1H3D</i>	0	0.393911858246252	1	2.00E-04	NA	NA	0.0023	0
NM_021065	<i>HIST1H2AD</i>	0	0.393911858246252	1	2.00E-04	NA	NA	0.0023	0
NM_001199261	<i>UCHL5</i>	0	0.394366197183099	1	2.00E-04	NA	NA	0.0023	0
NM_001199262	<i>UCHL5</i>	0	0.394366197183099	1	2.00E-04	NA	NA	0.0023	0
NM_001199263	<i>UCHL5</i>	0	0.394366197183099	1	2.00E-04	NA	NA	0.0023	0
NM_015984	<i>UCHL5</i>	0	0.394366197183099	1	2.00E-04	NA	NA	0.0023	0
NM_000642	<i>AGL</i>	0	0.394820536119945	1	2.00E-04	NA	NA	0.0023	0
NM_006352	<i>ZBTB18</i>	0	0.394820536119945	1	2.00E-04	NA	NA	0.0023	0
NM_005496	<i>SMC4</i>	0	0.394820536119945	1	2.00E-04	NA	NA	0.0023	0
NM_001035230	<i>RABGAP1L</i>	0	0.395274875056792	1	2.00E-04	NA	NA	0.0023	0
NM_001128627	<i>SPIRE1</i>	0	0.395274875056792	1	2.00E-04	NA	NA	0.0023	0
NM_001005242	<i>PKP2</i>	0	0.395729213993639	1	2.00E-04	NA	NA	0.0023	0
NM_004572	<i>PKP2</i>	0	0.395729213993639	1	2.00E-04	NA	NA	0.0023	0
NM_000236	<i>LIPC</i>	0.125397546569741	0.52112676056338	1	2.00E-04	NA	NA	0.0023	0
NM_001165978	<i>PROM2</i>	0	0.396183552930486	1	2.00E-04	NA	NA	0.0023	0
NM_001165977	<i>PROM2</i>	0	0.396183552930486	1	2.00E-04	NA	NA	0.0023	0
NM_144707	<i>PROM2</i>	0	0.396183552930486	1	2.00E-04	NA	NA	0.0023	0
NM_052851	<i>STARD13</i>	0	0.396183552930486	1	2.00E-04	NA	NA	0.0023	0
NM_001243474	<i>STARD13</i>	0	0.396183552930486	1	2.00E-04	NA	NA	0.0023	0



NM_153219	ZNF524	0	0.396637891867333	1	2.00E-04	NA	NA	0.0023	0
NM_001243014	ABCB9	0	0.396637891867333	1	2.00E-04	NA	NA	0.0023	0
NM_019625	ABCB9	0	0.396637891867333	1	2.00E-04	NA	NA	0.0023	0
NM_203444	ABCB9	0	0.396637891867333	1	2.00E-04	NA	NA	0.0023	0
NM_019624	ABCB9	0	0.396637891867333	1	2.00E-04	NA	NA	0.0023	0
NM_001243013	ABCB9	0	0.396637891867333	1	2.00E-04	NA	NA	0.0023	0
NM_020800	IFT80	0	0.396637891867333	1	2.00E-04	NA	NA	0.0023	0
NM_001190241	IFT80	0	0.396637891867333	1	2.00E-04	NA	NA	0.0023	0
NM_015942	MTERFD1	0	0.396637891867333	1	2.00E-04	NA	NA	0.0023	0
NM_207040	TCF12	0	0.39709223080418	1	2.00E-04	NA	NA	0.0023	0
NM_001161376	C6orf136	0	0.39709223080418	1	2.00E-04	NA	NA	0.0023	0
NM_145029	C6orf136	0	0.39709223080418	1	2.00E-04	NA	NA	0.0023	0
NM_001109938	C6orf136	0	0.39709223080418	1	2.00E-04	NA	NA	0.0023	0
NM_006113	VAV3	0	0.39709223080418	1	2.00E-04	NA	NA	0.0023	0
NM_201613	IKBIP	0	0.39709223080418	1	2.00E-04	NA	NA	0.0023	0
NM_201612	IKBIP	0	0.39709223080418	1	2.00E-04	NA	NA	0.0023	0
NM_153687	IKBIP	0	0.39709223080418	1	2.00E-04	NA	NA	0.0023	0
NM_000921	PDE3A	0	0.397546569741027	1	2.00E-04	NA	NA	0.0023	0
NM_199246	CCNG1	0	0.397546569741027	1	2.00E-04	NA	NA	0.0023	0
NM_004060	CCNG1	0	0.397546569741027	1	2.00E-04	NA	NA	0.0023	0
NR_036208	MIR4323	0	0.397546569741027	1	2.00E-04	NA	NA	0.0023	0
NR_038228	RASSF8-AS1	0.104043616537937	0.502498864152658	1	2.00E-04	NA	NA	0.0023	0
NM_004973	JARID2	0	0.398455247614721	1	2.00E-04	NA	NA	0.0023	0
NM_001085430	C17orf67	0	0.398455247614721	1	2.00E-04	NA	NA	0.0023	0
NM_001164405	BHLHA9	0	0.398909586551567	1	2.00E-04	NA	NA	0.0023	0
NR_002975	SNORA43	0	0.398909586551567	1	2.00E-04	NA	NA	0.0023	0
NR_049820	MIR5188	0	0.399363925488414	1	2.00E-04	NA	NA	0.0023	0
NM_181646	ZNF804B	0	0.399363925488414	1	2.00E-04	NA	NA	0.0023	0
NM_001040102	OPALIN	0	0.399363925488414	1	2.00E-04	NA	NA	0.0023	0
NM_001040103	OPALIN	0	0.399363925488414	1	2.00E-04	NA	NA	0.0023	0
NM_001284320	OPALIN	0	0.399363925488414	1	2.00E-04	NA	NA	0.0023	0
NM_001284321	OPALIN	0	0.399363925488414	1	2.00E-04	NA	NA	0.0023	0
NR_104297	OPALIN	0	0.399363925488414	1	2.00E-04	NA	NA	0.0023	0
NM_033207	OPALIN	0	0.399363925488414	1	2.00E-04	NA	NA	0.0023	0
NM_001284322	OPALIN	0	0.399363925488414	1	2.00E-04	NA	NA	0.0023	0
NR_104296	OPALIN	0	0.399363925488414	1	2.00E-04	NA	NA	0.0023	0
NR_034159	FLJ30403	0	0.399363925488414	1	2.00E-04	NA	NA	0.0023	0
NM_001135610	PRDM2	0	0.399818264425261	1	2.00E-04	NA	NA	0.0023	0
NM_130387	ASB14	0	0.399818264425261	1	2.00E-04	NA	NA	0.0023	0
NM_001199933	SESN1	0	0.399818264425261	0.9998	2.00E-04	NA	NA	0.0023	0
NM_005195	CEBPD	0	0.399818264425261	1	2.00E-04	NA	NA	0.0023	0
NM_001008895	CUL4A	0	0.400272603362108	1	2.00E-04	NA	NA	0.0023	0
NM_020786	PDP2	0	0.400272603362108	1	2.00E-04	NA	NA	0.0023	0
NM_013330	NME7	0	0.400272603362108	1	2.00E-04	NA	NA	0.0023	0
NM_197972	NME7	0	0.400272603362108	1	2.00E-04	NA	NA	0.0023	0
NR_104229	NME7	0	0.400272603362108	1	2.00E-04	NA	NA	0.0023	0
NM_001284278	PITPNB	0	0.400726942298955	1	2.00E-04	NA	NA	0.0023	0

NM_145333	MAP3K7	0	0.400726942298955	1	2.00E-04	NA	NA	0.0023	0
NM_145332	MAP3K7	0	0.400726942298955	1	2.00E-04	NA	NA	0.0023	0
NM_145331	MAP3K7	0	0.400726942298955	1	2.00E-04	NA	NA	0.0023	0
NM_003188	MAP3K7	0	0.400726942298955	1	2.00E-04	NA	NA	0.0023	0
NM_001127598	IGF2	0	0.401181281235802	1	2.00E-04	NA	NA	0.0023	0
NM_000539	RHO	0	0.401635620172649	1	2.00E-04	NA	NA	0.0023	0
NM_006217	SERPINI2	0	0.401635620172649	1	2.00E-04	NA	NA	0.0023	0
NM_001012303	SERPINI2	0	0.401635620172649	1	2.00E-04	NA	NA	0.0023	0
NM_001271785	DYNC1I2	0	0.402089959109496	1	2.00E-04	NA	NA	0.0023	0
NM_001271789	DYNC1I2	0	0.402089959109496	1	2.00E-04	NA	NA	0.0023	0
NM_001271787	DYNC1I2	0	0.402089959109496	1	2.00E-04	NA	NA	0.0023	0
NM_016587	CBX3	0	0.402089959109496	1	4.00E-04	NA	NA	0.0023	1.00E-04
NM_005713	COL4A3BP	0	0.402089959109496	1	2.00E-04	NA	NA	0.0023	0
NM_001130105	COL4A3BP	0	0.402089959109496	1	2.00E-04	NA	NA	0.0023	0
NM_031361	COL4A3BP	0	0.402089959109496	1	2.00E-04	NA	NA	0.0023	0
NM_153268	PLCXD2	0	0.402544298046343	1	2.00E-04	NA	NA	0.0023	0
NM_001185106	PLCXD2	0	0.402544298046343	1	2.00E-04	NA	NA	0.0023	0
NM_001114137	DMTN	0	0.402544298046343	1	2.00E-04	NA	NA	0.0023	0
NM_002137	HNRNPA2B1	0	0.402544298046343	1	6.00E-04	NA	NA	0.0099	1.00E-04
NM_031243	HNRNPA2B1	0	0.402544298046343	1	4.00E-04	NA	NA	0.0023	1.00E-04
NR_024561	HPN-AS1	0	0.402998636983189	1	2.00E-04	NA	NA	0.0023	0
NM_182609	ZNF677	0	0.402998636983189	1	2.00E-04	NA	NA	0.0023	0
NM_001199692	SLC4A2	0	0.40436165379373	1	2.00E-04	NA	NA	0.0023	0
NM_001256891	SRI	0	0.40436165379373	1	2.00E-04	NA	NA	0.0023	0
NM_003130	SRI	0	0.40436165379373	1	2.00E-04	NA	NA	0.0023	0
NM_003899	ARHGEF7	0	0.404815992730577	1	2.00E-04	NA	NA	0.0023	0
NM_199285	PRR19	0	0.404815992730577	1	2.00E-04	NA	NA	0.0023	0
NM_004824	CDYL	0	0.404815992730577	1	2.00E-04	NA	NA	0.0023	0
NM_057162	KLHL4	0	0.404815992730577	1	2.00E-04	NA	NA	0.0023	0
NM_019117	KLHL4	0	0.404815992730577	1	2.00E-04	NA	NA	0.0023	0
NM_018903	PCDHA12	0	0.405724670604271	1	2.00E-04	NA	NA	0.0023	0
NM_031864	PCDHA12	0	0.405724670604271	1	2.00E-04	NA	NA	0.0023	0
NM_001199758	MTHFS	0	0.405724670604271	1	2.00E-04	NA	NA	0.0023	0
NM_003306	TRPC4	0	0.406633348477965	1	2.00E-04	NA	NA	0.0023	0
NM_016179	TRPC4	0	0.406633348477965	1	2.00E-04	NA	NA	0.0023	0
NM_001135957	TRPC4	0	0.406633348477965	1	2.00E-04	NA	NA	0.0023	0
NM_001135956	TRPC4	0	0.406633348477965	1	2.00E-04	NA	NA	0.0023	0
NM_001135958	TRPC4	0	0.406633348477965	1	2.00E-04	NA	NA	0.0023	0
NM_001135955	TRPC4	0	0.406633348477965	1	2.00E-04	NA	NA	0.0023	0
NM_013255	MKLN1	0	0.407087687414811	1	2.00E-04	NA	NA	0.0023	0
NR_026813	LINC00597	0	0.407087687414811	1	2.00E-04	NA	NA	0.0023	0
NM_003571	BFP2	0	0.407542026351658	1	2.00E-04	NA	NA	0.0023	0
NM_001271971	HSP90AB1	0	0.407542026351658	1	2.00E-04	NA	NA	0.0023	0
NM_001271972	HSP90AB1	0	0.407542026351658	1	2.00E-04	NA	NA	0.0023	0
NM_001271969	HSP90AB1	0	0.407542026351658	1	2.00E-04	NA	NA	0.0023	0
NM_007355	HSP90AB1	0	0.407542026351658	1	2.00E-04	NA	NA	0.0023	0
NR_015374	LOC401463	0	0.407542026351658	1	2.00E-04	NA	NA	0.0023	0

NM_205768	ZBTB18	0	0.407996365288505	1	2.00E-04	NA	NA	0.0023	0
NM_001190827	FAM217B	0	0.407996365288505	1	2.00E-04	NA	NA	0.0023	0
NM_022106	FAM217B	0	0.407996365288505	1	2.00E-04	NA	NA	0.0023	0
NM_017777	MKS1	0	0.407996365288505	1	2.00E-04	NA	NA	0.0023	0
NM_001165927	MKS1	0	0.407996365288505	1	2.00E-04	NA	NA	0.0023	0
NM_003849	SUCLG1	0	0.407996365288505	1	2.00E-04	NA	NA	0.0023	0
NM_001012361	WDR31	0	0.407996365288505	1	2.00E-04	NA	NA	0.0023	0
NM_145241	WDR31	0	0.407996365288505	1	2.00E-04	NA	NA	0.0023	0
NM_001098512	PRKG1	0	0.408450704225352	1	2.00E-04	NA	NA	0.0023	0
NM_005717	ARPC5	0	0.408450704225352	1	2.00E-04	NA	NA	0.0023	0
NM_001270439	ARPC5	0	0.408450704225352	1	2.00E-04	NA	NA	0.0023	0
NM_024537	CARS2	0	0.408450704225352	1	2.00E-04	NA	NA	0.0023	0
NM_020125	SLAMF8	0	0.408905043162199	1	2.00E-04	NA	NA	0.0023	0
NM_080664	DTD2	0	0.408905043162199	1	2.00E-04	NA	NA	0.0023	0
NM_005298	GPR25	0.135393003180373	0.544752385279418	1	2.00E-04	NA	NA	0.0023	0
NM_002687	PNN	0	0.409359382099046	0.9994	2.00E-04	NA	NA	0.0023	0
NR_024484	LINC00909	0	0.409359382099046	1	2.00E-04	NA	NA	0.0023	0
NM_001852	COL9A2	0	0.409813721035893	1	2.00E-04	NA	NA	0.0023	0
NM_000146	FTL	0	0.41026805997274	1	2.00E-04	NA	NA	0.0023	0
NM_001256080	KLK2	0	0.41026805997274	1	2.00E-04	NA	NA	0.0023	0
NM_005551	KLK2	0	0.41026805997274	1	2.00E-04	NA	NA	0.0023	0
NR_045763	KLK2	0	0.41026805997274	1	2.00E-04	NA	NA	0.0023	0
NR_045762	KLK2	0	0.41026805997274	1	2.00E-04	NA	NA	0.0023	0
NM_001002231	KLK2	0	0.41026805997274	1	2.00E-04	NA	NA	0.0023	0
NM_001256213	ATP1A3	0	0.41026805997274	1	2.00E-04	NA	NA	0.0023	0
NM_052865	MGME1	0	0.411176737846433	1	2.00E-04	NA	NA	0.0023	0
NM_004286	GTPBP1	0	0.411176737846433	1	2.00E-04	NA	NA	0.0023	0
NM_001001786	BLID	0	0.411176737846433	1	2.00E-04	NA	NA	0.0023	0
NM_001172682	ZNF641	0	0.411176737846433	1	2.00E-04	NA	NA	0.0023	0
NM_001172681	ZNF641	0	0.411176737846433	1	2.00E-04	NA	NA	0.0023	0
NM_152320	ZNF641	0	0.411176737846433	1	2.00E-04	NA	NA	0.0023	0
NM_012460	TIMM9	0	0.411176737846433	1	2.00E-04	NA	NA	0.0023	0
NM_004589	SCO1	0	0.411176737846433	1	2.00E-04	NA	NA	0.0023	0
NM_006642	SDCCAG8	0	0.41163107678328	1	2.00E-04	NA	NA	0.0023	0
NM_021214	ABHD17C	0	0.41163107678328	1	2.00E-04	NA	NA	0.0023	0
NR_026751	ZNRD1-AS1	0	0.41163107678328	1	2.00E-04	NA	NA	0.0023	0
NM_001039165	MRGPRE	0.18400726942299	0.596092685143117	1	2.00E-04	NA	NA	0.0023	0
NM_205856	SPACA5	0	0.412085415720127	1	2.00E-04	NA	NA	0.0023	0
NM_002442	MSI1	0	0.412539754656974	1	2.00E-04	NA	NA	0.0023	0
NM_016147	PPME1	0	0.412994093593821	1	2.00E-04	NA	NA	0.0023	0
NM_001271593	PPME1	0	0.412994093593821	1	2.00E-04	NA	NA	0.0023	0
NM_001251855	PIK3R5	0	0.412994093593821	1	2.00E-04	NA	NA	0.0023	0
NM_001251851	PIK3R5	0	0.412994093593821	1	2.00E-04	NA	NA	0.0023	0
NM_001142633	PIK3R5	0	0.412994093593821	1	2.00E-04	NA	NA	0.0023	0
NM_001251853	PIK3R5	0	0.412994093593821	1	2.00E-04	NA	NA	0.0023	0
NM_001251852	PIK3R5	0	0.412994093593821	1	2.00E-04	NA	NA	0.0023	0
NM_022444	SLC13A1	0	0.412994093593821	1	2.00E-04	NA	NA	0.0023	0

NM_001002918	OR8D2	0	0.413448432530668	1	2.00E-04	NA	NA	0.0023	0
NM_138704	NDNL2	0	0.413448432530668	1	2.00E-04	NA	NA	0.0023	0
NM_001172517	SATB2	0	0.413448432530668	1	2.00E-04	NA	NA	0.0023	0
NM_194429	FGFR1OP	0	0.413902771467515	1	2.00E-04	NA	NA	0.0023	0
NM_007045	FGFR1OP	0	0.413902771467515	1	2.00E-04	NA	NA	0.0023	0
NM_001278690	FGFR1OP	0	0.413902771467515	1	2.00E-04	NA	NA	0.0023	0
NM_001270615	DEDD2	0	0.413902771467515	1	2.00E-04	NA	NA	0.0023	0
NM_133328	DEDD2	0	0.413902771467515	1	2.00E-04	NA	NA	0.0023	0
NR_073050	DEDD2	0	0.413902771467515	1	2.00E-04	NA	NA	0.0023	0
NR_073049	DEDD2	0	0.413902771467515	1	2.00E-04	NA	NA	0.0023	0
NR_073048	DEDD2	0	0.413902771467515	1	2.00E-04	NA	NA	0.0023	0
NR_073046	DEDD2	0	0.413902771467515	1	2.00E-04	NA	NA	0.0023	0
NR_073052	DEDD2	0	0.413902771467515	1	2.00E-04	NA	NA	0.0023	0
NR_073051	DEDD2	0	0.413902771467515	1	2.00E-04	NA	NA	0.0023	0
NM_005413	SIX3	0	0.414357110404362	1	2.00E-04	NA	NA	0.0023	0
NR_027650	C15orf40	0	0.414357110404362	1	2.00E-04	NA	NA	0.0023	0
NR_027649	C15orf40	0	0.414357110404362	1	2.00E-04	NA	NA	0.0023	0
NM_001160116	C15orf40	0	0.414357110404362	1	2.00E-04	NA	NA	0.0023	0
NM_001160115	C15orf40	0	0.414357110404362	1	2.00E-04	NA	NA	0.0023	0
NM_001160113	C15orf40	0	0.414357110404362	1	2.00E-04	NA	NA	0.0023	0
NM_001160114	C15orf40	0	0.414357110404362	1	2.00E-04	NA	NA	0.0023	0
NM_144597	C15orf40	0	0.414357110404362	1	2.00E-04	NA	NA	0.0023	0
NM_020747	ZNF608	0	0.414357110404362	1	2.00E-04	NA	NA	0.0023	0
NM_181558	RFC3	0	0.414811449341209	1	2.00E-04	NA	NA	0.0023	0
NM_002915	RFC3	0	0.414811449341209	1	2.00E-04	NA	NA	0.0023	0
NM_025198	MTERFD3	0	0.414811449341209	1	2.00E-04	NA	NA	0.0023	0
NM_001033050	MTERFD3	0	0.414811449341209	1	2.00E-04	NA	NA	0.0023	0
NM_144693	ZNF558	0	0.414811449341209	1	2.00E-04	NA	NA	0.0023	0
NM_001112732	MCF2L	0	0.415265788278055	1	2.00E-04	NA	NA	0.0023	0
NM_014213	HOXD9	0	0.415265788278055	1	2.00E-04	NA	NA	0.0023	0
NM_016229	CYB5R2	0	0.415265788278055	1	2.00E-04	NA	NA	0.0023	0
NM_005510	DXO	0	0.415265788278055	1	2.00E-04	NA	NA	0.0023	0
NM_015554	GLCE	0	0.415720127214902	1	2.00E-04	NA	NA	0.0023	0
NR_002144	LOC407835	0	0.415720127214902	1	2.00E-04	NA	NA	0.0023	0
NR_046414	LINC00441	0	0.416174466151749	1	2.00E-04	NA	NA	0.0023	0
NM_021005	NR2F2	0	0.416628805088596	1	2.00E-04	NA	NA	0.0023	0
NM_016836	RBMS1	0	0.416628805088596	1	2.00E-04	NA	NA	0.0023	0
NM_002897	RBMS1	0	0.416628805088596	1	2.00E-04	NA	NA	0.0023	0
NM_001177875	PCSK1	0	0.416628805088596	0.9222	0.0802	NA	NA	0.8659	0.0134
NM_000346	SOX9	0	0.417083144025443	1	2.00E-04	NA	NA	0.0023	0
NM_001267617	ARPP21	0	0.417083144025443	1	2.00E-04	NA	NA	0.0023	0
NM_014282	HABP4	0	0.417083144025443	1	2.00E-04	NA	NA	0.0023	0
NM_001136528	SERPINE2	0	0.417083144025443	1	2.00E-04	NA	NA	0.0023	0
NM_006216	SERPINE2	0	0.417083144025443	1	2.00E-04	NA	NA	0.0023	0
NM_152890	COL24A1	0	0.41753748296229	1	2.00E-04	NA	NA	0.0023	0
NM_005264	GFRA1	0	0.41753748296229	1	2.00E-04	NA	NA	0.0023	0
NM_001037442	RUFY3	0	0.417991821899137	1	2.00E-04	NA	NA	0.0023	0

NM_014961	RUFY3	0	0.417991821899137	1	2.00E-04	NA	NA	0.0023	0
NM_017589	BTG4	0	0.417991821899137	1	2.00E-04	NA	NA	0.0023	0
NM_014376	CYFIP2	0.142208087233076	0.56065424806906	1	2.00E-04	NA	NA	0.0023	0
NM_015596	KLK13	0	0.418446160835984	1	2.00E-04	NA	NA	0.0023	0
NM_020905	RDH14	0	0.418446160835984	1	2.00E-04	NA	NA	0.0023	0
NM_001282691	LRRFIP2	0	0.418446160835984	1	2.00E-04	NA	NA	0.0023	0
NM_032118	WDR54	0	0.418900499772831	1	2.00E-04	NA	NA	0.0023	0
NM_001206557	KIAA1432	0	0.419354838709677	1	2.00E-04	NA	NA	0.0023	0
NM_020829	KIAA1432	0	0.419354838709677	1	2.00E-04	NA	NA	0.0023	0
NM_001135920	KIAA1432	0	0.419354838709677	1	2.00E-04	NA	NA	0.0023	0
NM_182592	YIPF7	0	0.419354838709677	1	2.00E-04	NA	NA	0.0023	0
NM_001001994	GPM6B	0	0.419354838709677	1	2.00E-04	NA	NA	0.0023	0
NR_027038	MBNL1-AS1	0.0154475238527942	0.435256701499318	1	2.00E-04	NA	NA	0.0023	0
NR_027037	MBNL1-AS1	0.0154475238527942	0.435256701499318	1	2.00E-04	NA	NA	0.0023	0
NM_020193	C11orf30	0	0.419809177646524	1	2.00E-04	NA	NA	0.0023	0
NM_145204	SENP8	0	0.419809177646524	1	2.00E-04	NA	NA	0.0023	0
NM_001172111	SENP8	0	0.419809177646524	1	2.00E-04	NA	NA	0.0023	0
NM_198061	CES2	0	0.419809177646524	1	2.00E-04	NA	NA	0.0023	0
NM_003869	CES2	0	0.419809177646524	1	2.00E-04	NA	NA	0.0023	0
NM_033089	ZCCHC3	0	0.419809177646524	1	2.00E-04	NA	NA	0.0023	0
NM_014484	MOC53	0	0.419809177646524	1	2.00E-04	NA	NA	0.0023	0
NM_001008405	BCAP29	0	0.419809177646524	1	2.00E-04	NA	NA	0.0023	0
NM_001166265	LTBP1	0	0.420263516583371	1	2.00E-04	NA	NA	0.0023	0
NM_000627	LTBP1	0	0.420263516583371	1	2.00E-04	NA	NA	0.0023	0
NM_001166266	LTBP1	0	0.420263516583371	1	2.00E-04	NA	NA	0.0023	0
NM_001166264	LTBP1	0	0.420263516583371	1	2.00E-04	NA	NA	0.0023	0
NM_181897	PPP2R3A	0	0.420263516583371	1	2.00E-04	NA	NA	0.0023	0
NM_005730	CTDSP2	0	0.420263516583371	1	2.00E-04	NA	NA	0.0023	0
NM_001031679	MSRB3	0	0.420717855520218	1	2.00E-04	NA	NA	0.0023	0
NM_001193460	MSRB3	0	0.420717855520218	1	2.00E-04	NA	NA	0.0023	0
NM_198080	MSRB3	0	0.420717855520218	1	2.00E-04	NA	NA	0.0023	0
NR_046200	LOC400558	0	0.420717855520218	1	2.00E-04	NA	NA	0.0023	0
NM_002440	MSH4	0.0340754202635166	0.454793275783735	1	2.00E-04	NA	NA	0.0023	0
NM_001013703	EIF2AK4	0	0.421172194457065	1	2.00E-04	NA	NA	0.0023	0
NM_001199214	STMN2	0	0.421172194457065	1	2.00E-04	NA	NA	0.0023	0
NM_007029	STMN2	0	0.421172194457065	1	2.00E-04	NA	NA	0.0023	0
NM_000422	KRT17	0	0.421172194457065	1	2.00E-04	NA	NA	0.0023	0
NM_001165920	SERPINF2	0	0.421626533393912	1	2.00E-04	NA	NA	0.0023	0
NM_031292	PUS7L	0	0.421626533393912	1	2.00E-04	NA	NA	0.0023	0
NM_001271826	PUS7L	0	0.421626533393912	1	2.00E-04	NA	NA	0.0023	0
NR_073103	ITGA2	0	0.422080872330759	1	2.00E-04	NA	NA	0.0023	0
NR_073106	ITGA2	0	0.422080872330759	1	2.00E-04	NA	NA	0.0023	0
NR_073104	ITGA2	0	0.422080872330759	1	2.00E-04	NA	NA	0.0023	0
NM_002203	ITGA2	0	0.422080872330759	1	2.00E-04	NA	NA	0.0023	0
NR_073107	ITGA2	0	0.422080872330759	1	2.00E-04	NA	NA	0.0023	0
NR_073105	ITGA2	0	0.422080872330759	1	2.00E-04	NA	NA	0.0023	0
NM_001533	HNRNPL	0	0.422080872330759	1	2.00E-04	NA	NA	0.0023	0

NM_001142522	<i>FBXO5</i>	0	0.422080872330759	1	2.00E-04	NA	NA	0.0023	0
NM_001130110	<i>SETBP1</i>	0.0831440254429805	0.505679236710586	1	2.00E-04	NA	NA	0.0023	0
NM_001184742	<i>ZBTB33</i>	0	0.422535211267606	1	2.00E-04	NA	NA	0.0023	0
NM_006777	<i>ZBTB33</i>	0	0.422535211267606	1	2.00E-04	NA	NA	0.0023	0
NR_104227	<i>SH3YL1</i>	0	0.422535211267606	1	2.00E-04	NA	NA	0.0023	0
NM_002156	<i>HSPD1</i>	0	0.422535211267606	1	2.00E-04	NA	NA	0.0023	0
NM_012145	<i>DTYMK</i>	0	0.422535211267606	1	2.00E-04	NA	NA	0.0023	0
NM_001165031	<i>DTYMK</i>	0	0.422535211267606	1	2.00E-04	NA	NA	0.0023	0
NR_033255	<i>DTYMK</i>	0	0.422535211267606	1	2.00E-04	NA	NA	0.0023	0
NM_001178034	<i>DPP10</i>	0	0.422989550204453	1	2.00E-04	NA	NA	0.0023	0
NM_001004360	<i>DPP10</i>	0	0.422989550204453	1	2.00E-04	NA	NA	0.0023	0
NM_022343	<i>GLIPR2</i>	0	0.422989550204453	1	2.00E-04	NA	NA	0.0023	0
NM_012322	<i>LSM5</i>	0	0.423443889141299	1	2.00E-04	NA	NA	0.0023	0
NM_001142966	<i>GREB1L</i>	0	0.423898228078146	1	2.00E-04	NA	NA	0.0023	0
NM_199355	<i>ADAMTS18</i>	0	0.423898228078146	1	2.00E-04	NA	NA	0.0023	0
NM_199204	<i>DHRS9</i>	0	0.42480690595184	1	2.00E-04	NA	NA	0.0023	0
NM_025098	<i>MOGAT2</i>	0	0.425715583825534	1	2.00E-04	NA	NA	0.0023	0
NM_001142598	<i>P4HA2</i>	0	0.425715583825534	1	2.00E-04	NA	NA	0.0023	0
NM_001142599	<i>P4HA2</i>	0	0.425715583825534	1	2.00E-04	NA	NA	0.0023	0
NM_001017974	<i>P4HA2</i>	0	0.425715583825534	1	2.00E-04	NA	NA	0.0023	0
NM_198353	<i>KCTD8</i>	0.0218082689686506	0.447978191731031	1	2.00E-04	NA	NA	0.0023	0
NM_006155	<i>37500</i>	0	0.426169922762381	1	2.00E-04	NA	NA	0.0023	0
NM_001008491	<i>37500</i>	0	0.426169922762381	1	2.00E-04	NA	NA	0.0023	0
NM_001206997	<i>C4orf22</i>	0	0.426169922762381	1	2.00E-04	NA	NA	0.0023	0
NM_152770	<i>C4orf22</i>	0	0.426169922762381	1	2.00E-04	NA	NA	0.0023	0
NM_001017963	<i>HSP90AA1</i>	0	0.426169922762381	1	2.00E-04	NA	NA	0.0023	0
NM_001142370	<i>PTPN18</i>	0	0.426624261699228	1	2.00E-04	NA	NA	0.0023	0
NM_014369	<i>PTPN18</i>	0	0.426624261699228	1	2.00E-04	NA	NA	0.0023	0
NM_021038	<i>MBNL1</i>	0	0.426624261699228	1	2.00E-04	NA	NA	0.0023	0
NM_207292	<i>MBNL1</i>	0	0.426624261699228	1	2.00E-04	NA	NA	0.0023	0
NM_002870	<i>RAB13</i>	0	0.427078600636075	1	2.00E-04	NA	NA	0.0023	0
NR_073553	<i>RAB13</i>	0	0.427078600636075	1	2.00E-04	NA	NA	0.0023	0
NM_017708	<i>FAM83E</i>	0	0.427078600636075	1	2.00E-04	NA	NA	0.0023	0
NM_001122633	<i>CPS1</i>	0	0.428441617446615	1	2.00E-04	NA	NA	0.0023	0
NM_007018	<i>CNTRL</i>	0	0.428441617446615	1	2.00E-04	NA	NA	0.0023	0
NM_153746	<i>ZDHHHC14</i>	0	0.428895956383462	1	2.00E-04	NA	NA	0.0023	0
NM_024630	<i>ZDHHHC14</i>	0	0.428895956383462	1	2.00E-04	NA	NA	0.0023	0
NM_001174094	<i>ZEB1</i>	0	0.429350295320309	1	2.00E-04	NA	NA	0.0023	0
NM_001128128	<i>ZEB1</i>	0	0.429350295320309	1	2.00E-04	NA	NA	0.0023	0
NM_004960	<i>FUS</i>	0	0.429350295320309	1	2.00E-04	NA	NA	0.0023	0
NM_001170937	<i>FUS</i>	0	0.429350295320309	1	2.00E-04	NA	NA	0.0023	0
NM_001170634	<i>FUS</i>	0	0.429350295320309	1	2.00E-04	NA	NA	0.0023	0
NR_028388	<i>FUS</i>	0	0.429350295320309	1	2.00E-04	NA	NA	0.0023	0
NM_001136158	<i>OTUD5</i>	0	0.429350295320309	1	2.00E-04	NA	NA	0.0023	0
NM_001136157	<i>OTUD5</i>	0	0.429350295320309	1	2.00E-04	NA	NA	0.0023	0
NM_017602	<i>OTUD5</i>	0	0.429350295320309	1	2.00E-04	NA	NA	0.0023	0
NM_018186	<i>C1orf112</i>	0	0.429804634257156	1	2.00E-04	NA	NA	0.0023	0

NM_005077	TLE1	0	0.429804634257156	1	2.00E-04	NA	NA	0.0023	0
NM_018935	PCDHB15	0	0.430258973194003	1	2.00E-04	NA	NA	0.0023	0
NR_024284	ZEB1-AS1	0	0.430258973194003	1	2.00E-04	NA	NA	0.0023	0
NM_031952	SPATA9	0	0.431621990004543	1	2.00E-04	NA	NA	0.0023	0
NM_001202550	WDR27	0	0.431621990004543	1	2.00E-04	NA	NA	0.0023	0
NM_182552	WDR27	0	0.431621990004543	1	2.00E-04	NA	NA	0.0023	0
NM_001130518	CSGALNACT1	0	0.431621990004543	1	2.00E-04	NA	NA	0.0023	0
NR_036684	CES2	0	0.43207632894139	1	2.00E-04	NA	NA	0.0023	0
NM_001135726	HMBOX1	0	0.43207632894139	1	2.00E-04	NA	NA	0.0023	0
NM_024567	HMBOX1	0	0.43207632894139	1	2.00E-04	NA	NA	0.0023	0
NR_003077	SNORD99	0	0.43207632894139	1	2.00E-04	NA	NA	0.0023	0
NR_047518	HOTAIR	0	0.43207632894139	1	2.00E-04	NA	NA	0.0023	0
NM_021064	HIST1H2AG	0	0.433439345751931	1	2.00E-04	NA	NA	0.0023	0
NM_001024680	FBXO48	0	0.433439345751931	1	2.00E-04	NA	NA	0.0023	0
NM_001189	NKX3-2	0	0.433439345751931	1	2.00E-04	NA	NA	0.0023	0
NM_014044	UNC50	0.0431621990004543	0.477055883689232	1	2.00E-04	NA	NA	0.0023	0
NM_032025	EIF2A	0	0.433893684688778	1	2.00E-04	NA	NA	0.0023	0
NM_020726	NLN	0	0.434348023625625	1	2.00E-04	NA	NA	0.0023	0
NM_001161010	ARMC10	0	0.434348023625625	1	2.00E-04	NA	NA	0.0023	0
NM_001161009	ARMC10	0	0.434348023625625	1	2.00E-04	NA	NA	0.0023	0
NM_001161013	ARMC10	0	0.434348023625625	1	2.00E-04	NA	NA	0.0023	0
NM_001161012	ARMC10	0	0.434348023625625	1	2.00E-04	NA	NA	0.0023	0
NM_001161011	ARMC10	0	0.434348023625625	1	2.00E-04	NA	NA	0.0023	0
NM_031905	ARMC10	0	0.434348023625625	1	2.00E-04	NA	NA	0.0023	0
NM_001126049	KLLN	0	0.434348023625625	1	2.00E-04	NA	NA	0.0023	0
NM_004394	DAP	0	0.434348023625625	1	2.00E-04	NA	NA	0.0023	0
NR_002990	SNORA5B	0	0.434348023625625	1	2.00E-04	NA	NA	0.0023	0
NM_014573	TMEM97	0	0.434802362562472	1	2.00E-04	NA	NA	0.0023	0
NM_001199805	KLRK4-KLRK1	0	0.435711040436165	1	2.00E-04	NA	NA	0.0023	0
NR_002781	TSPY26P	0	0.435711040436165	1	2.00E-04	NA	NA	0.0023	0
NM_001167823	BLCAP	0	0.435711040436165	1	2.00E-04	NA	NA	0.0023	0
NM_001282886	EIF4E3	0	0.435711040436165	1	2.00E-04	NA	NA	0.0023	0
NM_144659	TCP10L	0	0.436165379373012	1	2.00E-04	NA	NA	0.0023	0
NM_007126	VCP	0	0.436165379373012	1	2.00E-04	NA	NA	0.0023	0
NM_005274	GNG5	0	0.436619718309859	1	2.00E-04	NA	NA	0.0023	0
NM_000922	PDE3B	0	0.437074057246706	1	2.00E-04	NA	NA	0.0023	0
NM_001337	CX3CR1	0	0.437074057246706	1	2.00E-04	NA	NA	0.0023	0
NM_001171172	CX3CR1	0	0.437074057246706	1	2.00E-04	NA	NA	0.0023	0
NM_015696	GPX7	0	0.437528396183553	1	2.00E-04	NA	NA	0.0023	0
NM_000762	CYP2A6	0.00954111767378464	0.447523852794184	1	2.00E-04	NA	NA	0.0023	0
NR_002186	DKFZP586I1420	0	0.4379827351204	1	2.00E-04	NA	NA	0.0023	0
NM_001037814	GAB4	0	0.438437074057247	1	2.00E-04	NA	NA	0.0023	0
NM_020919	ALS2	0	0.438891412994094	1	2.00E-04	NA	NA	0.0023	0
NM_001135745	ALS2	0	0.438891412994094	1	2.00E-04	NA	NA	0.0023	0
NM_001512	GSTA4	0	0.438891412994094	1	2.00E-04	NA	NA	0.0023	0
NM_000574	CD55	0	0.43934575193094	1	2.00E-04	NA	NA	0.0023	0
NM_001114752	CD55	0	0.43934575193094	1	2.00E-04	NA	NA	0.0023	0

NM_002611	PDK2	0	0.440254429804634	1	2.00E-04	NA	NA	0.0023	0
NM_001199900	PDK2	0	0.440254429804634	1	2.00E-04	NA	NA	0.0023	0
NM_001015891	AK6	0	0.440708768741481	1	2.00E-04	NA	NA	0.0023	0
NM_001015892	TAF9	0	0.440708768741481	1	2.00E-04	NA	NA	0.0023	0
NM_001204267	GABRA4	0	0.441163107678328	1	2.00E-04	NA	NA	0.0023	0
NM_001204266	GABRA4	0	0.441163107678328	1	2.00E-04	NA	NA	0.0023	0
NM_031435	THAP2	0	0.441617446615175	0.9994	6.00E-04	NA	NA	0.0099	1.00E-04
NM_001098614	PUS7L	0	0.441617446615175	1	2.00E-04	NA	NA	0.0023	0
NM_007111	TFDP1	0	0.442071785552022	1	2.00E-04	NA	NA	0.0023	0
NR_026580	TFDP1	0	0.442071785552022	1	2.00E-04	NA	NA	0.0023	0
NM_001083914	CTBP2	0	0.442071785552022	1	2.00E-04	NA	NA	0.0023	0
NM_174932	BPIFC	0	0.442071785552022	1	2.00E-04	NA	NA	0.0023	0
NM_014876	JOSD1	0	0.442071785552022	1	2.00E-04	NA	NA	0.0023	0
NM_001204255	SCARB2	0	0.442526124488869	1	2.00E-04	NA	NA	0.0023	0
NM_005506	SCARB2	0	0.442526124488869	1	2.00E-04	NA	NA	0.0023	0
NM_015564	LRRTM2	0	0.442526124488869	1	2.00E-04	NA	NA	0.0023	0
NM_020064	BARHL1	0	0.442980463425716	1	2.00E-04	NA	NA	0.0023	0
NM_182649	PCNA	0	0.442980463425716	1	2.00E-04	NA	NA	0.0023	0
NM_001480	GALR1	0	0.443434802362562	1	2.00E-04	NA	NA	0.0023	0
NM_001128174	UGT8	0	0.443434802362562	1	2.00E-04	NA	NA	0.0023	0
NM_015101	COLGALT2	0.123125851885507	0.567469332121763	1	2.00E-04	NA	NA	0.0023	0
NM_016306	DNAJB11	0	0.444343480236256	1	2.00E-04	NA	NA	0.0023	0
NM_001258334	HAL	0	0.444343480236256	1	2.00E-04	NA	NA	0.0023	0
NM_001258333	HAL	0	0.444343480236256	1	2.00E-04	NA	NA	0.0023	0
NM_002108	HAL	0	0.444343480236256	1	2.00E-04	NA	NA	0.0023	0
NM_012093	AK5	0	0.444797819173103	1	2.00E-04	NA	NA	0.0023	0
NM_016468	COX16	0	0.444797819173103	1	2.00E-04	NA	NA	0.0023	0
NM_001204090	COX16	0	0.444797819173103	1	2.00E-04	NA	NA	0.0023	0
NM_005025	SERPINI1	0	0.44525215810995	1	2.00E-04	NA	NA	0.0023	0
NM_198041	NUDT6	0	0.44525215810995	1	2.00E-04	NA	NA	0.0023	0
NM_014732	KIAA0513	0	0.445706497046797	1	2.00E-04	NA	NA	0.0023	0
NM_001004755	OR51L1	0.0545206724216265	0.50068150840527	1	2.00E-04	NA	NA	0.0023	0
NM_006258	PRKG1	0	0.446160835983644	1	2.00E-04	NA	NA	0.0023	0
NM_001278082	LOC100652758	0	0.446615174920491	1	2.00E-04	NA	NA	0.0023	0
NM_001171155	PET100	0	0.447069513857338	1	2.00E-04	NA	NA	0.0023	0
NR_033242	PET100	0	0.447069513857338	1	2.00E-04	NA	NA	0.0023	0
NM_018008	FEZF2	0	0.447978191731031	1	2.00E-04	NA	NA	0.0023	0
NM_020980	AQP9	0	0.448432530667878	1	2.00E-04	NA	NA	0.0023	0
NM_002261	KLRC3	0	0.448432530667878	1	2.00E-04	NA	NA	0.0023	0
NM_007333	KLRC3	0	0.448432530667878	1	2.00E-04	NA	NA	0.0023	0
NM_001098615	PUS7L	0	0.448432530667878	1	2.00E-04	NA	NA	0.0023	0
NM_014646	LPIN2	0	0.448432530667878	1	2.00E-04	NA	NA	0.0023	0
NM_023001	ARID4A	0	0.448886869604725	1	2.00E-04	NA	NA	0.0023	0
NM_023000	ARID4A	0	0.448886869604725	1	2.00E-04	NA	NA	0.0023	0
NM_002892	ARID4A	0	0.448886869604725	1	2.00E-04	NA	NA	0.0023	0
NM_016180	SLC45A2	0.150840527033167	0.600181735574739	1	2.00E-04	NA	NA	0.0023	0
NM_001012509	SLC45A2	0.150840527033167	0.600181735574739	1	2.00E-04	NA	NA	0.0023	0



NR_024249	FAM86C2P	0	0.449341208541572	1	2.00E-04	NA	NA	0.0023	0
NM_005930	CTAGE5	0	0.449795547478419	1	2.00E-04	NA	NA	0.0023	0
NM_001247989	CTAGE5	0	0.449795547478419	1	2.00E-04	NA	NA	0.0023	0
NM_203355	CTAGE5	0	0.449795547478419	1	2.00E-04	NA	NA	0.0023	0
NM_001247990	CTAGE5	0	0.449795547478419	1	2.00E-04	NA	NA	0.0023	0
NM_024082	PRRG3	0	0.449795547478419	1	2.00E-04	NA	NA	0.0023	0
NM_152647	FAM227B	0	0.449795547478419	1	2.00E-04	NA	NA	0.0023	0
NM_016048	ISOC1	0	0.450249886415266	1	2.00E-04	NA	NA	0.0023	0
NM_003380	VIM	0	0.450704225352113	1	2.00E-04	NA	NA	0.0023	0
NR_002717	ATXN8OS	0	0.450704225352113	1	2.00E-04	NA	NA	0.0023	0
NM_013336	SEC61A1	0	0.450704225352113	1	2.00E-04	NA	NA	0.0023	0
NM_020367	PARP11	0	0.450704225352113	1	2.00E-04	NA	NA	0.0023	0
NM_032849	MEDAG	0	0.45115856428896	1	2.00E-04	NA	NA	0.0023	0
NM_139164	STARD4	0	0.453430258973194	1	2.00E-04	NA	NA	0.0023	0
NR_037163	POU2F1	0	0.453884597910041	1	2.00E-04	NA	NA	0.0023	0
NM_199421	SOCS4	0	0.454338936846888	1	2.00E-04	NA	NA	0.0023	0
NM_080867	SOCS4	0	0.454338936846888	1	2.00E-04	NA	NA	0.0023	0
NM_001004439	ITGA11	0	0.454338936846888	1	2.00E-04	NA	NA	0.0023	0
NM_006529	GLRA3	0	0.454793275783735	1	2.00E-04	NA	NA	0.0023	0
NM_001042543	GLRA3	0	0.454793275783735	1	2.00E-04	NA	NA	0.0023	0
NR_027503	LOC100133050	0	0.455247614720582	1	2.00E-04	NA	NA	0.0023	0
NM_018413	CHST11	0	0.455701953657428	1	2.00E-04	NA	NA	0.0023	0
NM_001173982	CHST11	0	0.455701953657428	1	2.00E-04	NA	NA	0.0023	0
NM_005657	TP53BP1	0	0.455701953657428	1	2.00E-04	NA	NA	0.0023	0
NM_014804	KIAA0753	0	0.455701953657428	1	2.00E-04	NA	NA	0.0023	0
NM_194442	LBR	0	0.456156292594275	1	2.00E-04	NA	NA	0.0023	0
NM_006628	ARPP19	0	0.456610631531122	1	2.00E-04	NA	NA	0.0023	0
NM_001277406	POTEI	0	0.457519309404816	1	2.00E-04	NA	NA	0.0023	0
NM_001199111	MDH1	0.0926851431167651	0.550658791458428	1	2.00E-04	NA	NA	0.0023	0
NM_001199112	MDH1	0.0926851431167651	0.550658791458428	1	2.00E-04	NA	NA	0.0023	0
NR_027035	CCDC41-AS1	0	0.457973648341663	1	2.00E-04	NA	NA	0.0023	0
NM_001278197	CDK5RAP3	0	0.457973648341663	1	2.00E-04	NA	NA	0.0023	0
NM_170712	RASSF1	0	0.45842798727851	1	2.00E-04	NA	NA	0.0023	0
NR_023348	GAS8	0	0.459336665152204	1	2.00E-04	NA	NA	0.0023	0
NM_001481	GAS8	0	0.459336665152204	1	2.00E-04	NA	NA	0.0023	0
NR_039849	MIR4700	0	0.45979100408905	1	2.00E-04	NA	NA	0.0023	0
NM_020368	UTP3	0	0.460245343025897	1	2.00E-04	NA	NA	0.0023	0
NR_026759	FAM95B1	0	0.460245343025897	1	2.00E-04	NA	NA	0.0023	0
NM_152278	TCEAL7	0	0.460699681962744	1	2.00E-04	NA	NA	0.0023	0
NM_001080542	FBF1	0	0.460699681962744	1	2.00E-04	NA	NA	0.0023	0
NR_039789	MIR4646	0	0.460699681962744	1	2.00E-04	NA	NA	0.0023	0
NR_029702	MIR149	0	0.461608359836438	1	2.00E-04	NA	NA	0.0023	0
NM_175075	TDRP	0	0.462062698773285	1	2.00E-04	NA	NA	0.0023	0
NM_001198634	RUNX1T1	0	0.462062698773285	1	2.00E-04	NA	NA	0.0023	0
NM_001198627	RUNX1T1	0	0.462062698773285	1	2.00E-04	NA	NA	0.0023	0
NM_001198626	RUNX1T1	0	0.462062698773285	1	2.00E-04	NA	NA	0.0023	0
NM_001198679	RUNX1T1	0	0.462062698773285	1	2.00E-04	NA	NA	0.0023	0

NM_001198625	<i>RUNX1T1</i>	0	0.462062698773285	1	2.00E-04	NA	NA	0.0023	0
NM_001198631	<i>RUNX1T1</i>	0	0.462062698773285	1	2.00E-04	NA	NA	0.0023	0
NM_001122752	<i>SERPINI1</i>	0	0.462517037710132	1	2.00E-04	NA	NA	0.0023	0
NR_046657	<i>ZFX-AS1</i>	0	0.462971376646979	1	2.00E-04	NA	NA	0.0023	0
NM_015995	<i>KLF13</i>	0	0.463425715583826	1	2.00E-04	NA	NA	0.0023	0
NR_002799	<i>LOC256880</i>	0	0.463880054520672	1	2.00E-04	NA	NA	0.0023	0
NM_005032	<i>PLS3</i>	0	0.464334393457519	1	2.00E-04	NA	NA	0.0023	0
NM_001282337	<i>PLS3</i>	0	0.464334393457519	1	2.00E-04	NA	NA	0.0023	0
NR_073375	<i>MCM2</i>	0	0.464788732394366	1	2.00E-04	NA	NA	0.0023	0
NM_004526	<i>MCM2</i>	0	0.464788732394366	1	2.00E-04	NA	NA	0.0023	0
NR_002976	<i>SNORA44</i>	0	0.464788732394366	1	2.00E-04	NA	NA	0.0023	0
NM_080725	<i>SRXN1</i>	0	0.464788732394366	1	2.00E-04	NA	NA	0.0023	0
NM_181356	<i>SUPT3H</i>	0	0.46569741026806	1	2.00E-04	NA	NA	0.0023	0
NM_003599	<i>SUPT3H</i>	0	0.46569741026806	1	2.00E-04	NA	NA	0.0023	0
NM_001261823	<i>SUPT3H</i>	0	0.46569741026806	1	2.00E-04	NA	NA	0.0023	0
NM_005194	<i>CEBPB</i>	0	0.466151749204907	1	2.00E-04	NA	NA	0.0023	0
NM_199287	<i>CCDC137</i>	0	0.466606088141754	1	2.00E-04	NA	NA	0.0023	0
NM_003038	<i>SLC1A4</i>	0	0.466606088141754	1	2.00E-04	NA	NA	0.0023	0
NM_001172562	<i>INTS9</i>	0	0.467514766015448	1	2.00E-04	NA	NA	0.0023	0
NM_017744	<i>ST7L</i>	0	0.467969104952294	1	2.00E-04	NA	NA	0.0023	0
NM_138729	<i>ST7L</i>	0	0.467969104952294	1	2.00E-04	NA	NA	0.0023	0
NM_138728	<i>ST7L</i>	0	0.467969104952294	1	2.00E-04	NA	NA	0.0023	0
NM_138727	<i>ST7L</i>	0	0.467969104952294	1	2.00E-04	NA	NA	0.0023	0
NM_147163	<i>PSMG2</i>	0	0.469786460699682	1	2.00E-04	NA	NA	0.0023	0
NM_054110	<i>GALNT15</i>	0	0.469786460699682	1	2.00E-04	NA	NA	0.0023	0
NM_031889	<i>ENAM</i>	0	0.470240799636529	1	2.00E-04	NA	NA	0.0023	0
NM_005760	<i>CEBPZ</i>	0	0.470695138573376	1	2.00E-04	NA	NA	0.0023	0
NM_001171182	<i>CENPL</i>	0	0.47160381644707	1	2.00E-04	NA	NA	0.0023	0
NM_174937	<i>TCERG1L</i>	0	0.47160381644707	1	2.00E-04	NA	NA	0.0023	0
NM_001100388	<i>C11orf88</i>	0	0.472058155383916	1	2.00E-04	NA	NA	0.0023	0
NM_207430	<i>C11orf88</i>	0	0.472058155383916	1	2.00E-04	NA	NA	0.0023	0
NM_004415	<i>DSP</i>	0	0.472058155383916	1	2.00E-04	NA	NA	0.0023	0
NM_001008844	<i>DSP</i>	0	0.472058155383916	1	2.00E-04	NA	NA	0.0023	0
NR_031722	<i>MIR103B2</i>	0	0.472512494320763	1	2.00E-04	NA	NA	0.0023	0
NM_001198786	<i>POU2F1</i>	0	0.47296683325761	1	2.00E-04	NA	NA	0.0023	0
NM_002697	<i>POU2F1</i>	0	0.47296683325761	1	2.00E-04	NA	NA	0.0023	0
NM_001029863	<i>C6orf120</i>	0	0.47296683325761	1	2.00E-04	NA	NA	0.0023	0
NM_003651	<i>YBX3</i>	0	0.473421172194457	1	2.00E-04	NA	NA	0.0023	0
NM_001145426	<i>YBX3</i>	0	0.473421172194457	1	2.00E-04	NA	NA	0.0023	0
NM_001203244	<i>SEMA4G</i>	0	0.473875511131304	1	2.00E-04	NA	NA	0.0023	0
NM_017893	<i>SEMA4G</i>	0	0.473875511131304	1	2.00E-04	NA	NA	0.0023	0
NR_002323	<i>TUG1</i>	0	0.474329850068151	1	2.00E-04	NA	NA	0.0023	0
NM_001080378	<i>PACRG</i>	0	0.474784189004998	1	2.00E-04	NA	NA	0.0023	0
NM_152410	<i>PACRG</i>	0	0.474784189004998	1	2.00E-04	NA	NA	0.0023	0
NM_001198832	<i>PDE4DIP</i>	0	0.474784189004998	1	2.00E-04	NA	NA	0.0023	0
NM_144994	<i>ANKRD23</i>	0	0.475692866878692	1	2.00E-04	NA	NA	0.0023	0
NM_030763	<i>HMGNS</i>	0	0.475692866878692	1	2.00E-04	NA	NA	0.0023	0

NM_001934	<i>DLX4</i>	0	0.476601544752385	1	2.00E-04	NA	NA	0.0023	0
NM_001271952	<i>TPGS2</i>	0	0.476601544752385	1	2.00E-04	NA	NA	0.0023	0
NM_001271956	<i>TPGS2</i>	0	0.476601544752385	1	2.00E-04	NA	NA	0.0023	0
NM_001271950	<i>TPGS2</i>	0	0.476601544752385	1	2.00E-04	NA	NA	0.0023	0
NM_001271951	<i>TPGS2</i>	0	0.476601544752385	1	2.00E-04	NA	NA	0.0023	0
NM_001271949	<i>TPGS2</i>	0	0.476601544752385	1	2.00E-04	NA	NA	0.0023	0
NM_015476	<i>TPGS2</i>	0	0.476601544752385	1	2.00E-04	NA	NA	0.0023	0
NM_001271955	<i>TPGS2</i>	0	0.476601544752385	1	2.00E-04	NA	NA	0.0023	0
NM_001271954	<i>TPGS2</i>	0	0.476601544752385	1	2.00E-04	NA	NA	0.0023	0
NM_001271953	<i>TPGS2</i>	0	0.476601544752385	1	2.00E-04	NA	NA	0.0023	0
NM_003469	<i>SCG2</i>	0	0.476601544752385	1	2.00E-04	NA	NA	0.0023	0
NM_144587	<i>BTBD16</i>	0	0.477055883689232	1	2.00E-04	NA	NA	0.0023	0
NM_025222	<i>WDR82</i>	0	0.477510222626079	1	2.00E-04	NA	NA	0.0023	0
NM_001089584	<i>C5orf49</i>	0	0.477510222626079	1	2.00E-04	NA	NA	0.0023	0
NM_001167959	<i>TMEM178A</i>	0	0.477964561562926	1	2.00E-04	NA	NA	0.0023	0
NM_012141	<i>INTS6</i>	0	0.478418900499773	1	2.00E-04	NA	NA	0.0023	0
NM_001039937	<i>INTS6</i>	0	0.478418900499773	1	2.00E-04	NA	NA	0.0023	0
NM_001039938	<i>INTS6</i>	0	0.478418900499773	1	2.00E-04	NA	NA	0.0023	0
NM_031940	<i>TM2D2</i>	0	0.479327578373467	1	2.00E-04	NA	NA	0.0023	0
NM_078473	<i>TM2D2</i>	0	0.479327578373467	1	2.00E-04	NA	NA	0.0023	0
NM_001024381	<i>TM2D2</i>	0	0.479327578373467	1	2.00E-04	NA	NA	0.0023	0
NM_001024380	<i>TM2D2</i>	0	0.479327578373467	1	2.00E-04	NA	NA	0.0023	0
NM_002270	<i>TNPO1</i>	0	0.479781917310313	1	2.00E-04	NA	NA	0.0023	0
NM_213566	<i>DFFA</i>	0	0.479781917310313	1	2.00E-04	NA	NA	0.0023	0
NM_004401	<i>DFFA</i>	0	0.479781917310313	1	2.00E-04	NA	NA	0.0023	0
NM_201559	<i>FOXO3</i>	0	0.48023625624716	1	2.00E-04	NA	NA	0.0023	0
NM_000067	<i>CA2</i>	0	0.48023625624716	1	2.00E-04	NA	NA	0.0023	0
NM_182836	<i>RABGGTA</i>	0	0.48023625624716	1	2.00E-04	NA	NA	0.0023	0
NM_004581	<i>RABGGTA</i>	0	0.48023625624716	1	2.00E-04	NA	NA	0.0023	0
NM_001105247	<i>ARMC5</i>	0	0.481144934120854	1	2.00E-04	NA	NA	0.0023	0
NM_024742	<i>ARMC5</i>	0	0.481144934120854	1	2.00E-04	NA	NA	0.0023	0
NM_005923	<i>MAP3K5</i>	0	0.481599273057701	1	2.00E-04	NA	NA	0.0023	0
NM_004300	<i>ACP1</i>	0	0.482507950931395	1	2.00E-04	NA	NA	0.0023	0
NM_001040649	<i>ACP1</i>	0	0.482507950931395	1	2.00E-04	NA	NA	0.0023	0
NM_007099	<i>ACP1</i>	0	0.482507950931395	1	2.00E-04	NA	NA	0.0023	0
NR_024080	<i>ACP1</i>	0	0.482507950931395	1	2.00E-04	NA	NA	0.0023	0
NM_018988	<i>GFOD1</i>	0	0.482507950931395	1	2.00E-04	NA	NA	0.0023	0
NM_001242629	<i>GFOD1</i>	0	0.482507950931395	1	2.00E-04	NA	NA	0.0023	0
NM_017737	<i>FNBP1L</i>	0	0.482962289868242	1	2.00E-04	NA	NA	0.0023	0
NM_001024948	<i>FNBP1L</i>	0	0.482962289868242	1	2.00E-04	NA	NA	0.0023	0
NM_001164473	<i>FNBP1L</i>	0	0.482962289868242	1	2.00E-04	NA	NA	0.0023	0
NM_001257390	<i>CD63</i>	0	0.482962289868242	1	2.00E-04	NA	NA	0.0023	0
NM_001193493	<i>SLC1A4</i>	0.114039073148569	0.597455701953657	1	2.00E-04	NA	NA	0.0023	0
NM_025079	<i>ZC3H12A</i>	0	0.483416628805089	1	2.00E-04	NA	NA	0.0023	0
NR_033990	<i>LOC100129138</i>	0	0.483416628805089	1	2.00E-04	NA	NA	0.0023	0
NM_004725	<i>BUB3</i>	0	0.483416628805089	1	2.00E-04	NA	NA	0.0023	0
NM_001007793	<i>BUB3</i>	0	0.483416628805089	1	2.00E-04	NA	NA	0.0023	0

NM_004231	ATP6V1F	0	0.483870967741935	1	2.00E-04	NA	NA	0.0023	0
NM_001198909	ATP6V1F	0	0.483870967741935	1	2.00E-04	NA	NA	0.0023	0
NM_000325	PITX2	0	0.483870967741935	1	2.00E-04	NA	NA	0.0023	0
NM_015933	TMA7	0.0540663334847796	0.537937301226715	1	2.00E-04	NA	NA	0.0023	0
NM_152432	ARHGAP42	0	0.485688323489323	1	2.00E-04	NA	NA	0.0023	0
NM_005228	EGFR	0	0.485688323489323	1	2.00E-04	NA	NA	0.0023	0
NM_201284	EGFR	0	0.485688323489323	1	2.00E-04	NA	NA	0.0023	0
NM_201283	EGFR	0	0.485688323489323	1	2.00E-04	NA	NA	0.0023	0
NM_201282	EGFR	0	0.485688323489323	1	2.00E-04	NA	NA	0.0023	0
NM_001278	CHUK	0	0.48614266242617	1	2.00E-04	NA	NA	0.0023	0
NM_002500	NEUROD1	0	0.487051340299864	1	2.00E-04	NA	NA	0.0023	0
NM_015384	NIPBL	0	0.491140390731486	1	2.00E-04	NA	NA	0.0023	0
NM_133433	NIPBL	0	0.491140390731486	1	2.00E-04	NA	NA	0.0023	0
NM_003833	MATN4	0	0.491140390731486	1	2.00E-04	NA	NA	0.0023	0
NM_030590	MATN4	0	0.491140390731486	1	2.00E-04	NA	NA	0.0023	0
NM_030592	MATN4	0	0.491140390731486	1	2.00E-04	NA	NA	0.0023	0
NM_021972	SPHK1	0	0.492503407542026	1	2.00E-04	NA	NA	0.0023	0
NM_001142601	SPHK1	0	0.492503407542026	1	2.00E-04	NA	NA	0.0023	0
NM_182965	SPHK1	0	0.492503407542026	1	2.00E-04	NA	NA	0.0023	0
NM_001242936	FAM47E	0	0.492503407542026	1	2.00E-04	NA	NA	0.0023	0
NM_001040412	C9orf131	0	0.49341208541572	1	2.00E-04	NA	NA	0.0023	0
NM_001040411	C9orf131	0	0.49341208541572	1	2.00E-04	NA	NA	0.0023	0
NM_173495	PTCHD1	0	0.49341208541572	1	2.00E-04	NA	NA	0.0023	0
NR_026769	PPBPP2	0	0.49341208541572	1	2.00E-04	NA	NA	0.0023	0
NR_034015	LOC100131060	0	0.493866424352567	1	2.00E-04	NA	NA	0.0023	0
NR_034014	LOC100131060	0	0.493866424352567	1	2.00E-04	NA	NA	0.0023	0
NM_138796	SPATA17	0	0.494320763289414	1	2.00E-04	NA	NA	0.0023	0
NM_174944	TSSK4	0	0.494320763289414	1	2.00E-04	NA	NA	0.0023	0
NM_001184739	TSSK4	0	0.494320763289414	1	2.00E-04	NA	NA	0.0023	0
NM_006608	PHTF1	0	0.495229441163108	1	2.00E-04	NA	NA	0.0023	0
NM_001282793	FILIP1L	0	0.495229441163108	1	2.00E-04	NA	NA	0.0023	0
NM_001282794	FILIP1L	0	0.495229441163108	1	2.00E-04	NA	NA	0.0023	0
NM_014890	FILIP1L	0	0.495229441163108	1	2.00E-04	NA	NA	0.0023	0
NM_001193350	MEF2C	0.119945479327578	0.615629259427533	1	2.00E-04	NA	NA	0.0023	0
NM_002397	MEF2C	0.119945479327578	0.615629259427533	1	2.00E-04	NA	NA	0.0023	0
NM_001282805	MARCH7	0	0.496138119036801	1	2.00E-04	NA	NA	0.0023	0
NM_001282806	MARCH7	0	0.496138119036801	1	2.00E-04	NA	NA	0.0023	0
NM_022826	MARCH7	0	0.496138119036801	1	2.00E-04	NA	NA	0.0023	0
NM_012302	LPHN2	0	0.496592457973648	1	2.00E-04	NA	NA	0.0023	0
NM_207645	C11orf87	0	0.496592457973648	1	2.00E-04	NA	NA	0.0023	0
NR_039785	MIR4642	0	0.496592457973648	1	2.00E-04	NA	NA	0.0023	0
NM_003836	DLK1	0	0.497955474784189	1	2.00E-04	NA	NA	0.0023	0
NM_006441	MTHFS	0	0.499772830531577	1	2.00E-04	NA	NA	0.0023	0
NM_001127713	ATL1	0	0.500227169468423	1	2.00E-04	NA	NA	0.0023	0
NM_012081	ELL2	0	0.500227169468423	1	2.00E-04	NA	NA	0.0023	0
NR_104015	TMED1	0	0.50068150840527	1	2.00E-04	NA	NA	0.0023	0
NM_024646	ZYG11B	0	0.501135847342117	1	2.00E-04	NA	NA	0.0023	0

NR_039755	MIR4530	0	0.501135847342117	1	2.00E-04	NA	NA	0.0023	0
NM_001104	ACTN3	0	0.502498864152658	1	2.00E-04	NA	NA	0.0023	0
NR_047663	ACTN3	0	0.502498864152658	1	2.00E-04	NA	NA	0.0023	0
NM_002033	FUT4	0	0.502498864152658	1	2.00E-04	NA	NA	0.0023	0
NM_031896	CACNG7	0	0.502953203089505	1	2.00E-04	NA	NA	0.0023	0
NR_003716	HOTAIR	0	0.503861880963199	1	2.00E-04	NA	NA	0.0023	0
NM_079422	MYL1	0	0.503861880963199	1	2.00E-04	NA	NA	0.0023	0
NM_001172626	AMPD1	0	0.505224897773739	1	2.00E-04	NA	NA	0.0023	0
NM_000036	AMPD1	0	0.505224897773739	1	2.00E-04	NA	NA	0.0023	0
NM_001272038	RAB13	0	0.505679236710586	1	2.00E-04	NA	NA	0.0023	0
NM_145257	CCSAP	0	0.505679236710586	1	2.00E-04	NA	NA	0.0023	0
NR_026590	CDYL	0	0.506133575647433	1	2.00E-04	NA	NA	0.0023	0
NR_104226	SH3YL1	0	0.507042253521127	1	2.00E-04	NA	NA	0.0023	0
NM_002840	PTPRF	0	0.507496592457974	1	2.00E-04	NA	NA	0.0023	0
NM_130440	PTPRF	0	0.507496592457974	1	2.00E-04	NA	NA	0.0023	0
NM_015714	GOS2	0	0.507496592457974	1	2.00E-04	NA	NA	0.0023	0
NM_001278216	CDK5RAP3	0	0.507496592457974	1	2.00E-04	NA	NA	0.0023	0
NM_176096	CDK5RAP3	0	0.507496592457974	1	2.00E-04	NA	NA	0.0023	0
NM_001278198	CDK5RAP3	0	0.507496592457974	1	2.00E-04	NA	NA	0.0023	0
NM_001278217	CDK5RAP3	0	0.507496592457974	1	2.00E-04	NA	NA	0.0023	0
NM_001243611	LMO3	0	0.507496592457974	1	2.00E-04	NA	NA	0.0023	0
NM_001165921	SERPINF2	0	0.507950931394821	1	2.00E-04	NA	NA	0.0023	0
NM_000934	SERPINF2	0	0.507950931394821	1	2.00E-04	NA	NA	0.0023	0
NR_038943	ADD3-AS1	0	0.507950931394821	1	2.00E-04	NA	NA	0.0023	0
NM_001039876	SYNE4	0	0.507950931394821	1	2.00E-04	NA	NA	0.0023	0
NM_004170	SLC1A1	0	0.508405270331667	1	2.00E-04	NA	NA	0.0023	0
NM_198867	ALKBH6	0	0.508405270331667	1	2.00E-04	NA	NA	0.0023	0
NM_032878	ALKBH6	0	0.508405270331667	1	2.00E-04	NA	NA	0.0023	0
NM_057749	CCNE2	0	0.509313948205361	1	2.00E-04	NA	NA	0.0023	0
NM_001164761	PRKAR1B	0	0.510676965015902	1	2.00E-04	NA	NA	0.0023	0
NM_002051	GATA3	0	0.511585642889596	1	2.00E-04	NA	NA	0.0023	0
NM_001002295	GATA3	0	0.511585642889596	1	2.00E-04	NA	NA	0.0023	0
NM_001172774	DPY19L3	0	0.511585642889596	1	2.00E-04	NA	NA	0.0023	0
NM_017813	IMPAD1	0	0.512948659700136	1	2.00E-04	NA	NA	0.0023	0
NM_001005174	OR52N2	0	0.514311676510677	1	2.00E-04	NA	NA	0.0023	0
NM_032594	INSM2	0	0.514311676510677	1	2.00E-04	NA	NA	0.0023	0
NM_001278554	UBE2E3	0	0.514766015447524	1	2.00E-04	NA	NA	0.0023	0
NM_014789	ZNF623	0.0436165379373012	0.559291231258519	1	2.00E-04	NA	NA	0.0023	0
NM_005160	ADRBK2	0	0.515674693321218	1	2.00E-04	NA	NA	0.0023	0
NM_001015882	DNAJC25	0	0.516129032258065	1	2.00E-04	NA	NA	0.0023	0
NR_037148	DNAJC25	0	0.516129032258065	1	2.00E-04	NA	NA	0.0023	0
NM_004125	DNAJC25-GNG10	0	0.516129032258065	1	2.00E-04	NA	NA	0.0023	0
NR_033965	EIF1B-AS1	0	0.516583371194911	1	2.00E-04	NA	NA	0.0023	0
NM_017832	FAM206A	0	0.518400726942299	1	2.00E-04	NA	NA	0.0023	0
NM_017975	ZWILCH	0	0.519309404815993	1	2.00E-04	NA	NA	0.0023	0
NR_003105	ZWILCH	0	0.519309404815993	1	2.00E-04	NA	NA	0.0023	0
NM_002735	PRKAR1B	0	0.519309404815993	1	2.00E-04	NA	NA	0.0023	0

NM_001164762	PRKAR1B	0	0.519309404815993	1	2.00E-04	NA	NA	0.0023	0
NM_007159	SLMAP	0	0.51976374375284	1	2.00E-04	NA	NA	0.0023	0
NR_002441	SNORD18A	0	0.520672421626533	1	2.00E-04	NA	NA	0.0023	0
NM_001164586	IGFN1	0	0.52112676056338	1	2.00E-04	NA	NA	0.0023	0
NM_001130406	PRR20D	0	0.521581099500227	1	2.00E-04	NA	NA	0.0023	0
NM_018907	PCDHA4	0	0.522944116310768	1	2.00E-04	NA	NA	0.0023	0
NM_031500	PCDHA4	0	0.522944116310768	1	2.00E-04	NA	NA	0.0023	0
NM_000358	TGFBI	0	0.523398455247615	1	2.00E-04	NA	NA	0.0023	0
NR_037654	MTHFS	0	0.523398455247615	1	2.00E-04	NA	NA	0.0023	0
NM_172337	OTX2	0	0.524761472058155	1	2.00E-04	NA	NA	0.0023	0
NM_001270525	OTX2	0	0.524761472058155	1	2.00E-04	NA	NA	0.0023	0
NR_073036	OTX2	0	0.524761472058155	1	2.00E-04	NA	NA	0.0023	0
NM_017704	ANKRD49	0	0.525215810995002	1	2.00E-04	NA	NA	0.0023	0
NM_018140	CEP72	0	0.525670149931849	1	2.00E-04	NA	NA	0.0023	0
NM_182594	ZNF454	0	0.52703316674239	1	2.00E-04	NA	NA	0.0023	0
NM_001178090	ZNF454	0	0.52703316674239	1	2.00E-04	NA	NA	0.0023	0
NM_001178089	ZNF454	0	0.52703316674239	1	2.00E-04	NA	NA	0.0023	0
NR_033857	LOC100288974	0	0.528850522489777	1	2.00E-04	NA	NA	0.0023	0
NM_017941	C17orf80	0	0.528850522489777	1	2.00E-04	NA	NA	0.0023	0
NM_001100622	C17orf80	0	0.528850522489777	1	2.00E-04	NA	NA	0.0023	0
NM_001100621	C17orf80	0	0.528850522489777	1	2.00E-04	NA	NA	0.0023	0
NM_032804	ADO	0	0.531576556110859	1	2.00E-04	NA	NA	0.0023	0
NM_001007189	IGIP	0	0.532030895047706	1	2.00E-04	NA	NA	0.0023	0
NM_002959	SORT1	0	0.532485233984552	1	2.00E-04	NA	NA	0.0023	0
NM_006698	BLCAP	0.0495229441163108	0.582008178100863	1	2.00E-04	NA	NA	0.0023	0
NM_001167820	BLCAP	0.0495229441163108	0.582008178100863	1	2.00E-04	NA	NA	0.0023	0
NM_003400	XPO1	0	0.532939572921399	1	2.00E-04	NA	NA	0.0023	0
NM_023918	TAS2R8	0	0.533848250795093	1	2.00E-04	NA	NA	0.0023	0
NM_001008707	EML1	0	0.53430258973194	1	2.00E-04	NA	NA	0.0023	0
NM_004434	EML1	0	0.53430258973194	1	2.00E-04	NA	NA	0.0023	0
NM_198402	PTPLB	0	0.53430258973194	1	2.00E-04	NA	NA	0.0023	0
NM_175055	HIST3H2BB	0	0.535665606542481	1	2.00E-04	NA	NA	0.0023	0
NM_001242877	ELP2	0	0.536119945479328	1	2.00E-04	NA	NA	0.0023	0
NM_001242876	ELP2	0	0.536119945479328	1	2.00E-04	NA	NA	0.0023	0
NM_001242875	ELP2	0	0.536119945479328	1	2.00E-04	NA	NA	0.0023	0
NM_001242879	ELP2	0	0.536119945479328	1	2.00E-04	NA	NA	0.0023	0
NM_001242878	ELP2	0	0.536119945479328	1	2.00E-04	NA	NA	0.0023	0
NR_040110	ELP2	0	0.536119945479328	1	2.00E-04	NA	NA	0.0023	0
NM_018255	ELP2	0	0.536119945479328	1	2.00E-04	NA	NA	0.0023	0
NM_001135598	CLHC1	0	0.536119945479328	1	2.00E-04	NA	NA	0.0023	0
NM_019886	CHST7	0	0.537028623353021	1	2.00E-04	NA	NA	0.0023	0
NM_001145453	GFRA1	0	0.537028623353021	1	2.00E-04	NA	NA	0.0023	0
NM_021957	GY52	0	0.537482962289868	1	2.00E-04	NA	NA	0.0023	0
NM_001278512	AP3B2	0	0.537482962289868	1	2.00E-04	NA	NA	0.0023	0
NM_004644	AP3B2	0	0.537482962289868	1	2.00E-04	NA	NA	0.0023	0
NM_001278511	AP3B2	0	0.537482962289868	1	2.00E-04	NA	NA	0.0023	0
NM_198998	AQP12A	0	0.537937301226715	1	2.00E-04	NA	NA	0.0023	0

NM_178525	ACTL9	0	0.539300318037256	1	2.00E-04	NA	NA	0.0023	0
NM_000111	SLC26A3	0	0.539300318037256	1	2.00E-04	NA	NA	0.0023	0
NM_194250	ZNF804A	0	0.542480690595184	1	2.00E-04	NA	NA	0.0023	0
NM_030810	TXNDC5	0	0.543389368468878	1	2.00E-04	NA	NA	0.0023	0
NM_006522	WNT6	0	0.544298046342572	1	2.00E-04	NA	NA	0.0023	0
NM_001271685	SLC35A3	0	0.544752385279418	1	2.00E-04	NA	NA	0.0023	0
NM_001193461	MSRB3	0	0.544752385279418	1	2.00E-04	NA	NA	0.0023	0
NM_020661	AICDA	0	0.544752385279418	1	2.00E-04	NA	NA	0.0023	0
NM_031420	MRPL9	0	0.545206724216265	1	2.00E-04	NA	NA	0.0023	0
NM_001257401	CD63	0	0.546569741026806	1	2.00E-04	NA	NA	0.0023	0
NM_001257400	CD63	0	0.546569741026806	1	2.00E-04	NA	NA	0.0023	0
NM_152697	SLC44A5	0	0.547024079963653	1	2.00E-04	NA	NA	0.0023	0
NM_001130058	SLC44A5	0	0.547024079963653	1	2.00E-04	NA	NA	0.0023	0
NM_003671	CDC14B	0	0.5474784189005	1	2.00E-04	NA	NA	0.0023	0
NM_033331	CDC14B	0	0.5474784189005	1	2.00E-04	NA	NA	0.0023	0
NM_003707	RUVBL1	0.0190822353475693	0.567014993184916	1	2.00E-04	NA	NA	0.0023	0
NM_006357	UBE2E3	0	0.550204452521581	1	2.00E-04	NA	NA	0.0023	0
NM_001278555	UBE2E3	0	0.550204452521581	1	2.00E-04	NA	NA	0.0023	0
NM_182678	UBE2E3	0	0.550204452521581	1	2.00E-04	NA	NA	0.0023	0
NM_001005566	OR5B2	0	0.550658791458428	1	2.00E-04	NA	NA	0.0023	0
NM_001040431	COA3	0	0.551113130395275	1	2.00E-04	NA	NA	0.0023	0
NM_001256475	THEGL	0	0.552021808268969	1	2.00E-04	NA	NA	0.0023	0
NM_001145030	TOPAZ1	0	0.553839164016356	1	2.00E-04	NA	NA	0.0023	0
NM_020873	LRRN1	0	0.554293502953203	1	2.00E-04	NA	NA	0.0023	0
NM_007080	LSM6	0	0.55474784189005	1	2.00E-04	NA	NA	0.0023	0
NR_001282	PCDHB19P	0.0204452521581099	0.578827805542935	1	2.00E-04	NA	NA	0.0023	0
NM_001257391	CD63	0	0.559291231258519	1	2.00E-04	NA	NA	0.0023	0
NM_032326	TMEM175	0	0.56065424806906	1	2.00E-04	NA	NA	0.0023	0
NM_178468	FAM83C	0	0.564743298500682	1	2.00E-04	NA	NA	0.0023	0
NM_153347	TMEM86A	0	0.565651976374375	1	2.00E-04	NA	NA	0.0023	0
NM_013368	SERTAD3	0	0.565651976374375	1	2.00E-04	NA	NA	0.0023	0
NR_027927	COL6A4P1	0	0.565651976374375	1	2.00E-04	NA	NA	0.0023	0
NM_182633	ZNF713	0	0.567469332121763	1	2.00E-04	NA	NA	0.0023	0
NM_001005479	OR5H6	0	0.56792367105861	1	2.00E-04	NA	NA	0.0023	0
NM_152721	DOK6	0	0.568832348932303	1	2.00E-04	NA	NA	0.0023	0
NM_001204269	KCNA2	0	0.568832348932303	1	2.00E-04	NA	NA	0.0023	0
NM_014452	TNFRSF21	0	0.569741026805997	1	2.00E-04	NA	NA	0.0023	0
NM_000766	CYP2A13	0	0.572921399363925	1	2.00E-04	NA	NA	0.0023	0
NM_001080379	PACRG	0	0.572921399363925	1	2.00E-04	NA	NA	0.0023	0
NM_001113206	TSTD1	0	0.573830077237619	1	2.00E-04	NA	NA	0.0023	0
NM_001113205	TSTD1	0	0.573830077237619	1	2.00E-04	NA	NA	0.0023	0
NM_001113207	TSTD1	0	0.573830077237619	1	2.00E-04	NA	NA	0.0023	0
NM_005141	FGF	0	0.576101771921854	1	2.00E-04	NA	NA	0.0023	0
NM_001184741	FGF	0	0.576101771921854	1	2.00E-04	NA	NA	0.0023	0
NM_152284	CHMP4C	0	0.577010449795547	1	2.00E-04	NA	NA	0.0023	0
NR_039624	MIR4426	0	0.578827805542935	1	2.00E-04	NA	NA	0.0023	0
NM_001619	ADRBK1	0	0.579282144479782	1	2.00E-04	NA	NA	0.0023	0

NM_152385	CLHC1	0	0.580190822353476	1	2.00E-04	NA	NA	0.0023	0
NM_015425	POLR1A	0	0.582008178100863	1	2.00E-04	NA	NA	0.0023	0
NM_001167822	BLCAP	0	0.582008178100863	1	2.00E-04	NA	NA	0.0023	0
NM_001167821	BLCAP	0	0.582008178100863	1	2.00E-04	NA	NA	0.0023	0
NM_016300	ARPP21	0	0.58246251703771	1	2.00E-04	NA	NA	0.0023	0
NM_000209	PDX1	0	0.582916855974557	1	2.00E-04	NA	NA	0.0023	0
NM_001428	ENO1	0	0.583825533848251	1	2.00E-04	NA	NA	0.0023	0
NM_001190470	MTRNR2L2	0.0581553839164016	0.643343934575193	1	2.00E-04	NA	NA	0.0023	0
NM_021973	HAND2	0	0.587005906406179	1	2.00E-04	NA	NA	0.0023	0
NM_022366	TFB2M	0	0.588823262153567	1	2.00E-04	NA	NA	0.0023	0
NM_001079910	LRRIQ1	0.00318037255792821	0.592457973648342	1	2.00E-04	NA	NA	0.0023	0
NM_000905	NPY	0	0.593820990458882	1	2.00E-04	NA	NA	0.0023	0
NM_001199899	PDK2	0	0.594275329395729	1	2.00E-04	NA	NA	0.0023	0
NR_038248	ZNF571-AS1	0	0.595184007269423	1	2.00E-04	NA	NA	0.0023	0
NR_038247	ZNF571-AS1	0	0.595184007269423	1	2.00E-04	NA	NA	0.0023	0
NM_001257392	CD63	0	0.595184007269423	1	2.00E-04	NA	NA	0.0023	0
NM_012431	SEMA3E	0	0.595184007269423	1	2.00E-04	NA	NA	0.0023	0
NR_029842	MIR301A	0	0.596092685143117	1	2.00E-04	NA	NA	0.0023	0
NM_000586	IL2	0	0.596092685143117	1	2.00E-04	NA	NA	0.0023	0
NM_005640	TAF4B	0	0.599273057701045	1	2.00E-04	NA	NA	0.0023	0
NM_006242	PPP1R3D	0	0.599273057701045	1	2.00E-04	NA	NA	0.0023	0
NR_026973	HLA-F-AS1	0	0.599273057701045	1	2.00E-04	NA	NA	0.0023	0
NR_026972	HLA-F-AS1	0	0.599273057701045	1	2.00E-04	NA	NA	0.0023	0
NM_001171906	NUDT16	0	0.607451158564289	1	2.00E-04	NA	NA	0.0023	0
NM_152395	NUDT16	0	0.607451158564289	1	2.00E-04	NA	NA	0.0023	0
NR_033268	NUDT16	0	0.607451158564289	1	2.00E-04	NA	NA	0.0023	0
NM_016076	DES12	0	0.607905497501136	1	2.00E-04	NA	NA	0.0023	0
NM_194448	CLEC4A	0	0.608359836437983	1	2.00E-04	NA	NA	0.0023	0
NM_194447	CLEC4A	0	0.608359836437983	1	2.00E-04	NA	NA	0.0023	0
NM_194450	CLEC4A	0	0.608359836437983	1	2.00E-04	NA	NA	0.0023	0
NM_016184	CLEC4A	0	0.608359836437983	1	2.00E-04	NA	NA	0.0023	0
NM_000510	FSHB	0	0.614720581553839	1	2.00E-04	NA	NA	0.0023	0
NM_001018080	FSHB	0	0.614720581553839	1	2.00E-04	NA	NA	0.0023	0
NM_017655	GIPC2	0	0.615174920490686	1	2.00E-04	NA	NA	0.0023	0
NM_003884	KAT2B	0	0.625624716038164	1	2.00E-04	NA	NA	0.0023	0
NM_001197294	DPYSL3	0	0.626533393911858	1	2.00E-04	NA	NA	0.0023	0
NM_001258371	ACTN3	0	0.627896410722399	1	2.00E-04	NA	NA	0.0023	0
NR_003551	DPY19L2P4	0	0.62925942753294	1	2.00E-04	NA	NA	0.0023	0
NM_001184898	PHF8	0	0.629713766469786	1	2.00E-04	NA	NA	0.0023	0
NM_001171905	NUDT16	0	0.63062244434348	1	2.00E-04	NA	NA	0.0023	0
NM_006041	HS3ST3B1	0	0.633348477964562	1	2.00E-04	NA	NA	0.0023	0
NM_001198630	RUNX1T1	0	0.640163562017265	1	2.00E-04	NA	NA	0.0023	0
NM_175635	RUNX1T1	0	0.640163562017265	1	2.00E-04	NA	NA	0.0023	0
NM_001198629	RUNX1T1	0	0.640163562017265	1	2.00E-04	NA	NA	0.0023	0
NM_001198632	RUNX1T1	0	0.640163562017265	1	2.00E-04	NA	NA	0.0023	0
NM_015965	NDUFA13	0	0.640617900954112	1	2.00E-04	NA	NA	0.0023	0
NM_002922	RGS1	0	0.641526578827806	1	2.00E-04	NA	NA	0.0023	0



NM_030790	<i>ITFG1</i>	0	0.642435256701499	1	2.00E-04	NA	NA	0.0023	0
NM_001145353	<i>ELF1</i>	0	0.642889595638346	1	2.00E-04	NA	NA	0.0023	0
NM_018122	<i>DARS2</i>	0.028169014084507	0.6715129486597	1	2.00E-04	NA	NA	0.0023	0
NM_001039842	<i>OXL1</i>	0	0.650159018627896	1	2.00E-04	NA	NA	0.0023	0
NM_018078	<i>LARP1B</i>	0	0.651522035438437	1	2.00E-04	NA	NA	0.0023	0
NM_032239	<i>LARP1B</i>	0	0.651522035438437	1	2.00E-04	NA	NA	0.0023	0
NM_178043	<i>LARP1B</i>	0	0.651522035438437	1	2.00E-04	NA	NA	0.0023	0
NM_001278604	<i>LARP1B</i>	0	0.651522035438437	1	2.00E-04	NA	NA	0.0023	0
NM_177422	<i>AGO3</i>	0	0.663789186733303	1	2.00E-04	NA	NA	0.0023	0
NM_024852	<i>AGO3</i>	0	0.663789186733303	1	2.00E-04	NA	NA	0.0023	0
NM_014753	<i>BMS1</i>	0	0.669695592912313	1	2.00E-04	NA	NA	0.0023	0
NM_017924	<i>C14orf119</i>	0	0.6715129486597	1	2.00E-04	NA	NA	0.0023	0
NM_178311	<i>GGTLC1</i>	0	0.67741935483871	1	2.00E-04	NA	NA	0.0023	0
NM_004349	<i>RUNX1T1</i>	0	0.67741935483871	1	2.00E-04	NA	NA	0.0023	0
NM_052903	<i>TUBGCP5</i>	0	0.67878237164925	1	2.00E-04	NA	NA	0.0023	0
NM_001102610	<i>TUBGCP5</i>	0	0.67878237164925	1	2.00E-04	NA	NA	0.0023	0
NM_001273	<i>CHD4</i>	0	0.682871422080872	1	2.00E-04	NA	NA	0.0023	0
NM_000882	<i>IL12A</i>	0	0.688323489323035	1	2.00E-04	NA	NA	0.0023	0
NM_001163999	<i>MECOM</i>	0	0.692866878691504	1	2.00E-04	NA	NA	0.0023	0
NM_001105078	<i>MECOM</i>	0	0.692866878691504	1	2.00E-04	NA	NA	0.0023	0
NM_005241	<i>MECOM</i>	0	0.692866878691504	1	2.00E-04	NA	NA	0.0023	0
NM_001105077	<i>MECOM</i>	0	0.692866878691504	1	2.00E-04	NA	NA	0.0023	0
NM_002090	<i>CXCL3</i>	0	0.693321217628351	1	2.00E-04	NA	NA	0.0023	0
NR_026825	<i>RPSAP52</i>	0	0.702862335302135	1	2.00E-04	NA	NA	0.0023	0
NM_006575	<i>MAP4K5</i>	0	0.70513402998637	1	2.00E-04	NA	NA	0.0023	0
NM_198794	<i>MAP4K5</i>	0	0.70513402998637	1	2.00E-04	NA	NA	0.0023	0
NM_001136215	<i>ARTN</i>	0	0.709677419354839	1	2.00E-04	NA	NA	0.0023	0
NM_057091	<i>ARTN</i>	0	0.709677419354839	1	2.00E-04	NA	NA	0.0023	0
NM_057090	<i>ARTN</i>	0	0.709677419354839	1	2.00E-04	NA	NA	0.0023	0
NM_001040666	<i>STEAP2</i>	0	0.722853248523398	1	2.00E-04	NA	NA	0.0023	0
NM_003341	<i>UBE2E1</i>	0	0.724670604270786	1	2.00E-04	NA	NA	0.0023	0
NM_182666	<i>UBE2E1</i>	0	0.724670604270786	1	2.00E-04	NA	NA	0.0023	0
NR_024365	<i>PP12613</i>	0	0.746933212176284	1	2.00E-04	NA	NA	0.0023	0
NM_001282879	<i>GGTLC2</i>	0	0.777828259881872	1	2.00E-04	NA	NA	0.0023	0
NM_014830	<i>ZBTB39</i>	0	0.777828259881872	1	2.00E-04	NA	NA	0.0023	0
NM_001029865	<i>DBX1</i>	0	0.83507496592458	1	2.00E-04	NA	NA	0.0023	0
NR_027439	<i>LOC100272216</i>	0	0.851431167651068	1	2.00E-04	NA	NA	0.0023	0
NM_001242871	<i>SLAIN1</i>	0	0.908677873693776	1	2.00E-04	NA	NA	0.0023	0
NM_001242870	<i>SLAIN1</i>	0	0.908677873693776	1	2.00E-04	NA	NA	0.0023	0
NM_001242869	<i>SLAIN1</i>	0	0.908677873693776	1	2.00E-04	NA	NA	0.0023	0
NM_144595	<i>SLAIN1</i>	0	0.908677873693776	1	2.00E-04	NA	NA	0.0023	0
NM_004982	<i>KCNJ8</i>	0	0.922762380736029	1	2.00E-04	NA	NA	0.0023	0
NM_001244871	<i>DAB2</i>	0	0.966833257610177	1	2.00E-04	NA	NA	0.0023	0
NM_001343	<i>DAB2</i>	0	0.966833257610177	1	2.00E-04	NA	NA	0.0023	0

Table S4: Methylation data showing differential methylated transcripts between lean/overweight and obese subjects in OVAT samples expressed by a ratio of hyper- and hypo-methylation per promoter. *fdr/FDR*= false discovery rate.

Supplementary Table 5

**Overlap methylation and mRNA expression in non-obese SAT vs. OVAT**

Transcript	GeneName	non-obese_in_sc	non-obese_in_vis	p_value_in_sc	p_value_in_vis	logFC
NM_198392	<i>TCF21</i>	0.81462971376647	0	0.0002	1	0.399399187469191,0.387406156952021
NM_021101	<i>CLDN1</i>	0.485233984552476	0	0.0002	1	0.543447048046078
NM_003206	<i>TCF21</i>	0.814175374829623	0	0.0002	1	0.399399187469191,0.387406156952021
NM_013372	<i>GREM1</i>	0.489777373920945	0	0.0002	1	0.338045102496982,0.581496731952452
NM_001191322	<i>GREM1</i>	0.489777373920945	0	0.0002	1	0.338045102496982,0.581496731952452
NM_001191323	<i>GREM1</i>	0.489777373920945	0	0.0002	1	0.338045102496982,0.581496731952452
NM_007351	<i>MMRN1</i>	0.339391185824625	0	0.0002	1	0.47869355530316
NM_001145672	<i>SORBS2</i>	0.56792367105861	0	0.0002	1	0.142072560452977,0.116207386900386
NM_001015001	<i>CKMT1A</i>	0.609722853248523	0.044525215810995	0.0002	1	0.147441164340478
NM_001001991	<i>PAMR1</i>	0.424352567014993	0	0.0002	1	0.300925263026701
NM_001873	<i>CPE</i>	0.537937301226715	0	0.0002	1	0.105953252176067
NM_015430	<i>PAMR1</i>	0.424352567014993	0	0.0002	1	0.300925263026701
NM_001166688	<i>PFKM</i>	0.427987278509768	0	0.0002	1	0.175115436220457
NM_001282676	<i>PAMR1</i>	0.424352567014993	0	0.0002	1	0.300925263026701
NM_001166687	<i>PFKM</i>	0.427987278509768	0	0.0002	1	0.175115436220457
NM_001137548	<i>FAM25C</i>	0.334393457519309	0	0.0002	1	0.305212690253206
NM_007257	<i>PNMA2</i>	0.402089959109496	0	0.0002	1	0.190027247301806
NM_001145671	<i>SORBS2</i>	0.472512494320763	0	0.0002	1	0.142072560452977,0.116207386900386
NM_001127454	<i>DFNA5</i>	0.383007723761926	0	0.0002	1	0.173304731519945
NM_004403	<i>DFNA5</i>	0.383007723761926	0	0.0002	1	0.173304731519945
NM_001127453	<i>DFNA5</i>	0.322126306224443	0	0.0002	1	0.173304731519945
NM_000228	<i>LAMB3</i>	0.349386642435257	0	0.0002	1	-0.219924203116401
NM_001172517	<i>SATB2</i>	0.671058609722853	0	0.0002	1	-0.20287792024612
NM_021240	<i>DMRT3</i>	0.557019536574284	0	0.0002	1	-0.348831219450151
NM_152722	<i>HEPACAM</i>	0.343934575193094	0	0.0002	1	-0.0364559504840982
NM_006557	<i>DMRT2</i>	0.480690595184007	0	0.0002	1	-0.527536027478703
NM_001130865	<i>DMRT2</i>	0.477055883689232	0	0.0002	1	-0.527536027478703
NM_001142614	<i>EHBP1</i>	0.328941390277147	0	0.0002	1	-0.0598073618524202
NM_001177704	<i>FREM1</i>	0.334393457519309	0	0.0002	1	-0.0888762145650124
NM_001127641	<i>LAMB3</i>	0.35029532030895	0	0.0002	1	-0.219924203116401
NM_002395	<i>ME1</i>	0.328032712403453	0	0.0002	1	-0.142560548254324

NM_152380	<i>TBX15</i>	0.307133121308496	0	0.0002	1	-0.577202729425433
NM_138711	<i>PPARG</i>	0	0.331667423898228	1	0.0002	-0.0345807783858594
NM_001127443	<i>CD36</i>	0	0.304407087687415	1	0.0002	-0.0690544579744574,-0.0728837741390822
NM_001146	<i>ANGPT1</i>	0	0.428441617446615	1	0.0002	-0.0546720484248784,-0.0435366063940616
NM_138712	<i>PPARG</i>	0	0.462062698773285	1	0.0002	-0.0345807783858594
NM_012156	<i>EPB41L1</i>	0	0.323489323034984	1	0.0002	-0.0674334120758171
NM_001199859	<i>ANGPT1</i>	0	0.428441617446615	1	0.0002	-0.0546720484248784,-0.0435366063940616
NM_005037	<i>PPARG</i>	0	0.462062698773285	1	0.0002	-0.0345807783858594
NM_003881	<i>WISP2</i>	0	0.313493866424353	1	0.0002	-0.152412807086256
NM_001242776	<i>TMEM139</i>	0	0.469332121762835	1	0.0002	-0.0632286907936523
NM_001242777	<i>TMEM139</i>	0	0.469332121762835	1	0.0002	-0.0632286907936523
NM_178140	<i>PDZD2</i>	0	0.358473421172194	1	0.0002	-0.106146557682919
NM_001242773	<i>TMEM139</i>	0	0.469332121762835	1	0.0002	-0.0632286907936523
NM_001243779	<i>FAM213A</i>	0	0.369831894593367	1	0.0002	-0.0795012870943537
NM_001242774	<i>TMEM139</i>	0	0.469332121762835	1	0.0002	-0.0632286907936523
NM_001256585	<i>MGLL</i>	0	0.367105860972285	1	0.0002	-0.11471584819879,-0.163045084822784
NM_001242775	<i>TMEM139</i>	0	0.469332121762835	1	0.0002	-0.0632286907936523
NM_007283	<i>MGLL</i>	0	0.367105860972285	1	0.0002	-0.11471584819879,-0.163045084822784
NM_001282877	<i>TMEM139</i>	0	0.469332121762835	1	0.0002	-0.0632286907936523
NM_080645	<i>COL12A1</i>	0	0.43071331213085	1	0.0002	-0.0665147046574086
NM_001003794	<i>MGLL</i>	0	0.367105860972285	1	0.0002	-0.11471584819879,-0.163045084822784
NM_153345	<i>TMEM139</i>	0	0.469332121762835	1	0.0002	-0.0632286907936523
NM_004370	<i>COL12A1</i>	0	0.43071331213085	1	0.0002	-0.0665147046574086
NR_104250	<i>TMEM139</i>	0	0.469332121762835	1	0.0002	-0.0632286907936523
NR_104251	<i>TMEM139</i>	0	0.469332121762835	1	0.0002	-0.0632286907936523
NR_104252	<i>TMEM139</i>	0	0.469332121762835	1	0.0002	-0.0632286907936523
NM_001040002	<i>MEOX1</i>	0	0.406179009541118	1	0.0002	-0.186487660210808,-0.201075440017571
NM_001278711	<i>NRN1</i>	0	0.409813721035893	1	0.0002	-0.183987170667408
NM_001277732	<i>AOC3</i>	0	0.442071785552022	1	0.0002	-0.0965563273916721
NM_001713	<i>BHMT</i>	0	0.462517037710132	1	0.0002	-0.085376200785608
NR_104253	<i>TMEM139</i>	0	0.469332121762835	1	0.0002	-0.0632286907936523
NR_104254	<i>TMEM139</i>	0	0.469332121762835	1	0.0002	-0.0632286907936523
NM_001282876	<i>TMEM139</i>	0	0.469332121762835	1	0.0002	-0.0632286907936523
NM_004098	<i>EMX2</i>	0	0.412994093593821	1	0.0002	-0.259826469633324

NR_040003	<i>TMEM139</i>	0	0.469332121762835	1	0.0002	-0.0632286907936523
NM_001165924	<i>EMX2</i>	0	0.412994093593821	1	0.0002	-0.259826469633324
NM_015714	<i>GOS2</i>	0	0.475238527941845	1	0.0002	-0.120588120162767
NM_004527	<i>MEOX1</i>	0	0.482507950931395	1	0.0002	-0.186487660210808,-0.201075440017571
NM_013999	<i>MEOX1</i>	0	0.482507950931395	1	0.0002	-0.186487660210808,-0.201075440017571
NM_004503	<i>HOXC6</i>	0	0.722398909586552	1	0.0002	-0.416378320866966
NM_001189	<i>NKX3-2</i>	0	0.495229441163108	1	0.0002	0.539757441787238
NM_001145670	<i>SORBS2</i>	0	0.318945933666515	1	0.0002	0.142072560452977,0.116207386900386
NM_005460	<i>SNCAIP</i>	0	0.318037255792821	1	0.0002	0.112030065061109
NM_003603	<i>SORBS2</i>	0	0.318945933666515	1	0.0002	0.142072560452977,0.116207386900386
NM_001242935	<i>SNCAIP</i>	0	0.318037255792821	1	0.0002	0.112030065061109
NM_001161662	<i>WWC1</i>	0	0.332121762835075	1	0.0002	0.0959461885915092
NM_006690	<i>MMP24</i>	0	0.337573830077238	1	0.0002	0.0962525507466354
NM_001161661	<i>WWC1</i>	0	0.332121762835075	1	0.0002	0.0959461885915092
NM_015238	<i>WWC1</i>	0	0.332121762835075	1	0.0002	0.0959461885915092
NM_201551	<i>NELL1</i>	0	0.388914129940936	1	0.0002	0.0620519363844423
NM_006157	<i>NELL1</i>	0	0.388914129940936	1	0.0002	0.0620519363844423
NM_004415	<i>DSP</i>	0	0.587914584279873	1	0.0002	0.0952746325279408
NM_001008844	<i>DSP</i>	0	0.587914584279873	1	0.0002	0.0952746325279408

Table S5: Methylation and mRNA Expression data showing differential methylated transcripts between SAT and OVAT in lean/overweight subjects expressed by a ratio of hyper- and hypo-methylation per promoter; log FC= logarithmic fold change, represents changes in mRNA expression consistently standardized in relation to

Supplementary Table 6

**Overlap methylation and mRNA expression in obese SAT vs. OVAT**

Transcript	GeneName	obese_in_sc	obese_in_vis	p_value_in_sc	p_value_in_vis	logFC
NM_001015001	<i>CKMT1A</i>	0.305315765561109	0	2.00E-04	1	0.356470664914848
NM_001127453	<i>DFNA5</i>	0.362562471603816	0	2.00E-04	1	0.270306719557095
NM_001127454	<i>DFNA5</i>	0.362562471603816	0	2.00E-04	1	0.270306719557095
NM_001137548	<i>FAM25C</i>	0.549295774647887	0	2.00E-04	1	0.509426505820456
NM_001145671	<i>SORBS2</i>	0.472512494320763	0.080872330758746	2.00E-04	1	0.192028912055425,0.189811059372892
NM_001145672	<i>SORBS2</i>	0.518400726942299	0	2.00E-04	1	0.192028912055425,0.189811059372892
NM_002581	<i>PAPPA</i>	0.310313493866424	0	2.00E-04	1	0.203579459104748
NM_003206	<i>TCF21</i>	0.456610631531122	0	2.00E-04	1	0.52078823287901,0.56641502685977
NM_004403	<i>DFNA5</i>	0.362562471603816	0	2.00E-04	1	0.270306719557095
NM_020990	<i>CKMT1B</i>	0.532030895047706	0	2.00E-04	1	0.467589883872207
NM_021146	<i>ANGPTL7</i>	0.337119491140391	0	2.00E-04	1	0.278472131640929
NM_021973	<i>HAND2</i>	0.334847796456156	0	2.00E-04	1	0.226117230125589
NM_198392	<i>TCF21</i>	0.457064970467969	0	2.00E-04	1	0.52078823287901,0.56641502685977
NM_198474	<i>OLFML1</i>	0.352112676056338	0	2.00E-04	1	0.141960274959819
NM_000231	<i>SGCG</i>	0.304407087687415	0	2.00E-04	1	-0.144823746219718
NM_001004298	<i>C10orf90</i>	0.32121762835075	0	2.00E-04	1	-0.175453023222279
NM_001130865	<i>DMRT2</i>	0.510222626079055	0	2.00E-04	1	-0.472004853621794
NM_001172517	<i>SATB2</i>	0.63652885052249	0	2.00E-04	1	-0.209442444647933
NM_001206741	<i>HSD11B1</i>	0.312585188550659	0	2.00E-04	1	-0.151647204833603,-0.159213989428251
NM_006557	<i>DMRT2</i>	0.51385733757383	0	2.00E-04	1	-0.472004853621794
NM_021240	<i>DMRT3</i>	0.557019536574284	0	2.00E-04	1	-0.409512249528396
NM_181755	<i>HSD11B1</i>	0.312585188550659	0	2.00E-04	1	-0.151647204833603,-0.159213989428251
NM_181789	<i>GLDN</i>	0.369831894593367	0	2.00E-04	1	-0.258232603447065
NM_181872	<i>DMRT2</i>	0.389368468877783	0	2.00E-04	1	-0.472004853621794
NM_001278741	<i>TSPAN6</i>	0.330304407087687	0	2.00E-04	1	-0.112743550689011,-0.119070210095121
NM_001278742	<i>TSPAN6</i>	0.330304407087687	0	2.00E-04	1	-0.112743550689011,-0.119070210095121
NM_001278743	<i>TSPAN6</i>	0.330304407087687	0	2.00E-04	1	-0.112743550689011,-0.119070210095121
NM_003270	<i>TSPAN6</i>	0.330304407087687	0	2.00E-04	1	-0.112743550689011,-0.119070210095121
NM_000700	<i>ANXA1</i>	0	0.392548841435711	1	2.00E-04	-0.13768844982978
NM_001018064	<i>NTRK2</i>	0	0.332121762835075	1	2.00E-04	-0.297090705842499,-0.193084582925197,-
NM_001025108	<i>AFF3</i>	0	0.58246251703771	1	2.00E-04	-0.165903454929362
NM_001165924	<i>EMX2</i>	0	0.457519309404816	1	2.00E-04	-0.362159057549322
NM_001242773	<i>TMEM139</i>	0	0.31531122217174	1	2.00E-04	-0.207757413353633

NM_001242774	TMEM139	0	0.31531122217174	1	2.00E-04	-0.207757413353633
NM_001242775	TMEM139	0	0.31531122217174	1	2.00E-04	-0.207757413353633
NM_001242776	TMEM139	0	0.31531122217174	1	2.00E-04	-0.207757413353633
NM_001242777	TMEM139	0	0.31531122217174	1	2.00E-04	-0.207757413353633
NM_001242946	EPDR1	0	0.318037255792821	1	2.00E-04	-0.177653491235136
NM_001277732	AOC3	0	0.42480690595184	1	2.00E-04	-0.117304888853199
NM_001278711	NRN1	0	0.36210813266697	1	2.00E-04	-0.240540337385374
NM_001282876	TMEM139	0	0.31531122217174	1	2.00E-04	-0.207757413353633
NM_001282877	TMEM139	0	0.31531122217174	1	2.00E-04	-0.207757413353633
NM_004098	EMX2	0	0.457519309404816	1	2.00E-04	-0.362159057549322
NM_004370	COL12A1	0	0.444797819173103	1	2.00E-04	-0.21040025616273
NM_004503	HOXC6	0	0.66424352567015	1	2.00E-04	-0.479071708395575
NM_005037	PPARG	0	0.416628805088596	1	2.00E-04	-0.132147105349685
NM_005218	DEFB1	0	0.419809177646524	1	2.00E-04	-0.289365298710702
NM_006180	NTRK2	0	0.332121762835075	1	2.00E-04	-0.297090705842499,-0.193084582925197,-
NM_015004	EXOSC7	0	0.388005452067242	1	2.00E-04	-0.240365412310418
NM_017549	EPDR1	0	0.318037255792821	1	2.00E-04	-0.177653491235136
NM_022658	HOXC8	0	0.350749659245797	1	2.00E-04	-0.796582636868966
NM_080645	COL12A1	0	0.444797819173103	1	2.00E-04	-0.21040025616273
NM_138712	PPARG	0	0.416628805088596	1	2.00E-04	-0.132147105349685
NM_153345	TMEM139	0	0.31531122217174	1	2.00E-04	-0.207757413353633
NR_023353	EXOSC7	0	0.388005452067242	1	2.00E-04	-0.240365412310418
NR_040003	TMEM139	0	0.31531122217174	1	2.00E-04	-0.207757413353633
NR_104250	TMEM139	0	0.31531122217174	1	2.00E-04	-0.207757413353633
NR_104251	TMEM139	0	0.31531122217174	1	2.00E-04	-0.207757413353633
NR_104252	TMEM139	0	0.31531122217174	1	2.00E-04	-0.207757413353633
NR_104253	TMEM139	0	0.31531122217174	1	2.00E-04	-0.207757413353633
NR_104254	TMEM139	0	0.31531122217174	1	2.00E-04	-0.207757413353633
NM_001144758	PHLDB1	0	0.532030895047706	1	2.00E-04	-0.100423067735793
NM_001144759	PHLDB1	0	0.532030895047706	1	2.00E-04	-0.100423067735793
NM_002959	SORT1	0	0.434802362562472	1	2.00E-04	-0.191238469929917
NM_015157	PHLDB1	0	0.315765561108587	1	2.00E-04	-0.100423067735793
NM_001276326	SLC22A12	0	0.482053611994548	1	2.00E-04	-0.104860467870669
NM_001276327	SLC22A12	0	0.482053611994548	1	2.00E-04	-0.104860467870669
NM_144585	SLC22A12	0	0.482053611994548	1	2.00E-04	-0.104860467870669
NM_153378	SLC22A12	0	0.482053611994548	1	2.00E-04	-0.104860467870669

NM_001145670	<i>SORBS2</i>	0	0.388914129940936	1	2.00E-04	0.192028912055425,0.189811059372892
NM_002048	<i>GAS1</i>	0	0.315765561108587	1	2.00E-04	0.204310585183995,0.208821558819704
NM_003603	<i>SORBS2</i>	0	0.388914129940936	1	2.00E-04	0.192028912055425,0.189811059372892
NM_006157	<i>NELL1</i>	0	0.438437074057247	1	2.00E-04	0.228722905177137
NM_006474	<i>PDPN</i>	0	0.364379827351204	1	2.00E-04	0.614529523945373
NM_006690	<i>MMP24</i>	0	0.337119491140391	1	2.00E-04	0.175819049280043
NM_014862	<i>ARNT2</i>	0	0.327578373466606	1	2.00E-04	0.276745239563775
NM_018667	<i>SMPD3</i>	0	0.398909586551567	1	2.00E-04	0.209899762923996
NM_020770	<i>CGN</i>	0	0.304407087687415	1	2.00E-04	0.893354258102973
NM_020783	<i>SYT4</i>	0	0.43071331213085	1	2.00E-04	0.706270118302064
NM_198389	<i>PDPN</i>	0	0.364379827351204	1	2.00E-04	0.614529523945373
NM_201551	<i>NELL1</i>	0	0.438437074057247	1	2.00E-04	0.228722905177137

Table S6: Methylation and mRNA Expression data showing differential methylated transcripts between SAT and OVAT in obese subjects expressed by a ratio of hyper- and hypo-methylation per promoter; log FC= logarithmic fold change, represents changes in mRNA expression consistently standardized in relation to OVAT; fdr/FDR= false

Supplementary Table 7

**Overlap methylation and mRNA expression in SAT non-obese vs. obese**

Transcript	GeneName	sc_in_obese	sc_in_non-obese	p_value_in_obese	p_value_in_non-obese	logFC
NM_000299	<i>PKP1</i>	0.302589731940027	0	2.00E-04	1	0.0471158867833306
NM_000396	<i>CTSK</i>	0.545661063153112	0	2.00E-04	1	0.0284968758386186
NM_001005337	<i>PKP1</i>	0.302589731940027	0	2.00E-04	1	0.0471158867833306
NM_001005340	<i>GPNMB</i>	0.409813721035893	0	2.00E-04	1	0.0585308702956504,0.0575598216486921
NM_001112719	<i>LIMCH1</i>	0.48614266242617	0	2.00E-04	1	0.0661561077661532
NM_001112720	<i>LIMCH1</i>	0.48614266242617	0	2.00E-04	1	0.0661561077661532
NM_001145454	<i>STMN1</i>	0.429350295320309	0	2.00E-04	1	0.0647257616197863
NM_001145646	<i>APH1B</i>	0.470240799636529	0	2.00E-04	1	0.0375892026464195
NM_001177704	<i>FREM1</i>	0.722853248523398	0	2.00E-04	1	0.0972671117618944
NM_001252511	<i>SOAT1</i>	0.317582916855975	0	2.00E-04	1	0.0535117705377233
NM_001252512	<i>SOAT1</i>	0.317582916855975	0	2.00E-04	1	0.0535117705377233
NM_001267572	<i>TBC1D2</i>	0.413448432530668	0	2.00E-04	1	0.108052057141788
NM_001276	<i>CHI3L1</i>	0.514311676510677	0	2.00E-04	1	0.240842871383252
NM_001295	<i>CCR1</i>	0.394820536119945	0	2.00E-04	1	0.0785709671120176
NM_001503	<i>GPLD1</i>	0.336665152203544	0	2.00E-04	1	0.182213467304387
NM_002510	<i>GPNMB</i>	0.409813721035893	0	2.00E-04	1	0.0585308702956504,0.0575598216486921
NM_003101	<i>SOAT1</i>	0.317582916855975	0	2.00E-04	1	0.0535117705377233
NM_005563	<i>STMN1</i>	0.429350295320309	0	2.00E-04	1	0.0647257616197863
NM_015035	<i>ZHX3</i>	0.343934575193094	0	2.00E-04	1	0.0431960293121811
NM_031301	<i>APH1B</i>	0.470240799636529	0	2.00E-04	1	0.0375892026464195
NM_032857	<i>LACTB</i>	0.318037255792821	0	2.00E-04	1	0.111708400140961
NM_138636	<i>TLR8</i>	0.354384370740572	0	2.00E-04	1	0.0771384244963924
NM_171846	<i>LACTB</i>	0.318037255792821	0	2.00E-04	1	0.111708400140961
NM_203399	<i>STMN1</i>	0.459336665152204	0	2.00E-04	1	0.0647257616197863
NR_002912	<i>SNORA67</i>	0.581099500227169	0	2.00E-04	1	0.0816312169064406,0.0633908570297677
NR_045530	<i>SOAT1</i>	0.317582916855975	0	2.00E-04	1	0.0535117705377233
NM_000056	<i>BCKDHB</i>	0.314402544298046	0	2.00E-04	1	-0.0854408392598371
NM_001144966	<i>NEDD4L</i>	0.355747387551113	0	2.00E-04	1	-0.0361295269202375
NM_001170630	<i>TJP2</i>	0.303952748750568	0	2.00E-04	1	-0.0493519673297458
NM_001243723	<i>SETMAR</i>	0.535211267605634	0	2.00E-04	1	-0.0314989369525338
NM_001244676	<i>THNSL2</i>	0.346660608814175	0	0.0018	0.9998	-0.0496669810888228
NM_001244678	<i>THNSL2</i>	0.346660608814175	0	4.00E-04	0.9996	-0.0496669810888228
NM_001267536	<i>GOLGA6L4</i>	0.428895956383462	0	2.00E-04	1	-0.0400061299692653
NM_001276325	<i>SETMAR</i>	0.535211267605634	0	2.00E-04	1	-0.0314989369525338
NM_004817	<i>TJP2</i>	0.303952748750568	0	2.00E-04	1	-0.0493519673297458
NM_005863	<i>NET1</i>	0.334393457519309	0	2.00E-04	1	-0.158299323884289,-0.0511764816359424
NM_006515	<i>SETMAR</i>	0.535211267605634	0	2.00E-04	1	-0.031498937
NM_014234	<i>HSD17B8</i>	0.450249886415266	0	2.00E-04	1	-0.102928046271413
NM_015689	<i>DENND2A</i>	0.303044070876874	0	2.00E-04	1	-0.0581011915704375
NM_024686	<i>TTLL7</i>	0.320763289413903	0	2.00E-04	1	-0.0463752640348414



NM_152765	<i>C8orf46</i>	0.330304407087687	0	2.00E-04	1	-0.0625264270582753
NM_183050	<i>BCKDHB</i>	0.314402544298046	0	2.00E-04	1	-0.0854408392598371
NM_201629	<i>TJP2</i>	0.303952748750568	0	2.00E-04	1	-0.0493519673297458
NM_206852	<i>RTN1</i>	0.339845524761472	0	2.00E-04	1	-0.119620714623941
NR_024022	<i>SETMAR</i>	0.394820536119945	0	2.00E-04	1	-0.0314989369525338
NR_073040	<i>NET1</i>	0.334393457519309	0	2.00E-04	1	-0.158299323884289,-0.0511764816359424
NR_075073	<i>SETMAR</i>	0.535211267605634	0	2.00E-04	1	-0.0314989369525338
NM_000176	<i>NR3C1</i>	0	0.397546569741027	1	2.00E-04	-0.05734822446961
NM_000667	<i>ADH1A</i>	0	0.537028623353021	1	2.00E-04	-0.191942052168434
NM_000668	<i>ADH1B</i>	0	0.452067242162653	1	2.00E-04	-0.336245738833386
NM_001018076	<i>NR3C1</i>	0	0.487051340299864	1	2.00E-04	-0.05734822446961
NM_001020825	<i>NR3C1</i>	0	0.397546569741027	1	2.00E-04	-0.05734822446961
NM_001024094	<i>NR3C1</i>	0	0.397546569741027	1	2.00E-04	-0.05734822446961
NM_001122752	<i>SERPINI1</i>	0	0.520672421626533	1	2.00E-04	-0.0832452200450833
NM_001172509	<i>SATB2</i>	0	0.353021353930032	1	2.00E-04	-0.000725328943377956
NM_001198943	<i>DTNA</i>	0.0654248069059518	0.393457519309405	0.9988	8.00E-04	-0.108617354252376,-0.0475980232241939,-0.0738025338459136
NM_001199758	<i>MTHFS</i>	0	0.479781917310313	1	2.00E-04	-0.0474820686297819
NM_001204258	<i>NR3C1</i>	0	0.397546569741027	1	2.00E-04	-0.05734822446961
NM_001204259	<i>NR3C1</i>	0	0.397546569741027	1	2.00E-04	-0.05734822446961
NM_001204260	<i>NR3C1</i>	0	0.397546569741027	1	2.00E-04	-0.05734822446961
NM_001204261	<i>NR3C1</i>	0	0.397546569741027	1	2.00E-04	-0.05734822446961
NM_001204262	<i>NR3C1</i>	0	0.397546569741027	1	2.00E-04	-0.05734822446961
NM_001204263	<i>NR3C1</i>	0	0.397546569741027	1	2.00E-04	-0.05734822446961
NM_001204264	<i>NR3C1</i>	0	0.397546569741027	1	2.00E-04	-0.05734822446961
NM_001204265	<i>NR3C1</i>	0	0.397546569741027	1	2.00E-04	-0.05734822446961
NM_001242875	<i>ELP2</i>	0	0.303498409813721	1	2.00E-04	-0.0825971472945297
NM_001242876	<i>ELP2</i>	0	0.303498409813721	1	2.00E-04	-0.0825971472945297
NM_001242877	<i>ELP2</i>	0	0.303498409813721	1	2.00E-04	-0.0825971472945297
NM_001242878	<i>ELP2</i>	0	0.303498409813721	1	2.00E-04	-0.0825971472945297
NM_001242879	<i>ELP2</i>	0	0.303498409813721	1	2.00E-04	-0.0825971472945297
NM_001244705	<i>CSAD</i>	0	0.467060427078601	1	2.00E-04	-0.0746956024883345,-0.054988200383314
NM_001256421	<i>AGPAT9</i>	0	0.316674238982281	1	2.00E-04	-0.416316496539217
NM_001256422	<i>AGPAT9</i>	0	0.316674238982281	1	2.00E-04	-0.416316496539217
NM_001278243	<i>ZFAND5</i>	0	0.399818264425261	1	2.00E-04	-0.0970307224807607
NM_001278244	<i>ZFAND5</i>	0	0.399818264425261	1	2.00E-04	-0.0970307224807607
NM_001278245	<i>ZFAND5</i>	0	0.399818264425261	1	2.00E-04	-0.0970307224807607
NM_001280801	<i>RNF130</i>	0	0.406179009541118	1	2.00E-04	-0.0325514014251405
NM_002840	<i>PTPRF</i>	0	0.852339845524761	1	2.00E-04	-0.0892502552574359
NM_004753	<i>DHRS3</i>	0	0.380281690140845	1	2.00E-04	-0.0587770673255625
NM_004982	<i>KCNJ8</i>	0	0.364379827351204	1	2.00E-04	-0.0148839549607858
NM_005025	<i>SERPINI1</i>	0	0.520672421626533	1	2.00E-04	-0.0832452200450833
NM_005386	<i>NNAT</i>	0	0.308950477055884	1	2.00E-04	-0.00473659445072716
NM_006441	<i>MTHFS</i>	0	0.410722398909587	1	2.00E-04	-0.0474820686297819
NM_015265	<i>SATB2</i>	0	0.329850068150841	1	2.00E-04	-0.000725328943377956

NM_015989	CSAD	0	0.537028623353021	1	2.00E-04	-0.0746956024883345,-0.054988200383314
NM_016173	HEMK1	0	0.3284870513403	1	2.00E-04	-0.0869834605673243
NM_018255	ELP2	0	0.303498409813721	1	2.00E-04	-0.0825971472945297
NM_018434	RNF130	0	0.406179009541118	1	2.00E-04	-0.0325514014251405
NM_020247	ADCK3	0	0.412085415720127	1	2.00E-04	-0.151157131469805
NM_024944	CHODL	0	0.447523852794184	1	2.00E-04	-0.208645553871256
NM_032687	CYHR1	0	0.330304407087687	1	2.00E-04	-0.0406304524762362
NM_032717	AGPAT9	0	0.316674238982281	1	2.00E-04	-0.416316496539217
NM_130440	PTPRF	0	0.852339845524761	1	2.00E-04	-0.0892502552574359
NM_138496	CYHR1	0	0.414357110404362	1	2.00E-04	-0.0406304524762362
NM_152310	ELOVL3	0	0.472058155383916	1	2.00E-04	-0.0687756378676641
NM_152328	ADSSL1	0	0.329850068150841	1	2.00E-04	-0.207827956652091
NM_181689	NNAT	0	0.308950477055884	1	2.00E-04	-0.00473659445072716
NR_033798	CAST	0	0.306678782371649	1	2.00E-04	-0.0850965230058063
NR_037654	MTHFS	0	0.388459791004089	1	2.00E-04	-0.0474820686297819
NR_040110	ELP2	0	0.303498409813721	1	2.00E-04	-0.0825971472945297
NR_104285	CAST	0	0.306678782371649	1	2.00E-04	-0.0850965230058063
NM_000233	LHCGR	0	0.399363925488414	1	2.00E-04	0.23506383927474
NM_000426	LAMA2	0	0.333030440708769	1	2.00E-04	0.0435780112209914
NM_000582	SPP1	0.00636074511585643	0.35620172648796	1	2.00E-04	0.248789484568281,0.267467030780254
NM_001007097	NTRK2	0	0.348023625624716	1	2.00E-04	-0.0168461992174602,0.012356924925526,0.06876934410819
NM_001018064	NTRK2	0	0.329395729213994	1	2.00E-04	-0.0168461992174602,0.012356924925526,0.06876934410819
NM_001018065	NTRK2	0	0.36210813266697	1	2.00E-04	-0.0168461992174602,0.012356924925526,0.06876934410819
NM_001018066	NTRK2	0	0.36210813266697	1	2.00E-04	-0.0168461992174602,0.012356924925526,0.06876934410819
NM_001040058	SPP1	0.00636074511585643	0.35620172648796	1	2.00E-04	0.248789484568281,0.267467030780254
NM_001040060	SPP1	0.00636074511585643	0.35620172648796	1	2.00E-04	0.248789484568281,0.267467030780254
NM_001079823	LAMA2	0	0.333030440708769	1	2.00E-04	0.0435780112209914
NM_001127182	CEP55	0	0.402998636983189	1	2.00E-04	0.089295556521225
NM_001135585	SLC2A5	0	0.496592457973648	1	2.00E-04	0.140850004752275
NM_001172129	HCK	0	0.489777373920945	1	2.00E-04	0.106289400049177
NM_001172130	HCK	0	0.489777373920945	1	2.00E-04	0.106289400049177
NM_001172131	HCK	0	0.489777373920945	1	2.00E-04	0.106289400049177
NM_001172132	HCK	0	0.489777373920945	1	2.00E-04	0.106289400049177
NM_001172133	HCK	0	0.489777373920945	1	2.00E-04	0.106289400049177
NM_001178093	BCAT1	0	0.312130849613812	1	2.00E-04	0.0653780960649391
NM_001184808	CD99L2	0	0.460245343025897	1	2.00E-04	0.0114517543292161
NM_001193493	SLC1A4	0	0.394366197183099	1	2.00E-04	0.0738163761966202
NM_001199214	STMN2	0.12267151294866	0.451612903225806	1	2.00E-04	0.245661926602997,0.196761013925069
NM_001200050	NPL	0	0.320308950477056	1	2.00E-04	0.188383484159452,0.147867013244954
NM_001200051	NPL	0	0.320308950477056	1	2.00E-04	0.188383484159452,0.147867013244954
NM_001200052	NPL	0	0.320308950477056	1	2.00E-04	0.188383484159452,0.147867013244954
NM_001200056	NPL	0	0.320308950477056	1	2.00E-04	0.188383484159452,0.147867013244954
NM_001242614	CD99L2	0	0.460245343025897	1	2.00E-04	0.0114517543292161
NM_001242946	EPDR1	0	0.728305315765561	1	2.00E-04	0.16926733193021

NM_001242948	EPDR1	0	0.519309404815993	1	2.00E-04	0.16926733193021
NM_001251829	SPP1	0.00636074511585643	0.35620172648796	1	2.00E-04	0.248789484568281,0.267467030780254
NM_001251830	SPP1	0.00636074511585643	0.35620172648796	1	2.00E-04	0.248789484568281,0.267467030780254
NM_001256088	C11orf45	0	0.381644706951386	1	2.00E-04	0.130914404437146
NM_001258017	IL4I1	0	0.360745115856429	1	2.00E-04	0.0972646828965877
NM_001258018	IL4I1	0	0.360745115856429	1	2.00E-04	0.0972646828965877
NM_001693	ATP6V1B2	0	0.616992276238074	1	2.00E-04	0.0275363280009073
NM_001754	RUNX1	0	0.649250340754203	1	2.00E-04	0.0505172483272487
NM_001769	CD9	0	0.427532939572921	1	2.00E-04	0.115804393974336
NM_001987	ETV6	0	0.314856883234893	1	2.00E-04	0.084019148767184
NM_002110	HCK	0	0.489777373920945	1	2.00E-04	0.106289400049177
NM_002115	HK3	0	0.347569286687869	1	2.00E-04	0.164422719904675
NM_002432	MNDA	0	0.358927760109041	1	2.00E-04	0.122464227343676
NM_003039	SLC2A5	0	0.496592457973648	1	2.00E-04	0.140850004752275
NM_003272	GPR137B	0	0.508405270331667	1	2.00E-04	0.0643997476247242
NM_004763	ITGB1BP1	0	0.398000908677874	1	2.00E-04	0.111350512700191
NM_006180	NTRK2	0	0.329395729213994	1	2.00E-04	-0.0168461992174602,0.012356924925526,0.06876934410819
NM_006633	IQGAP2	0	0.354384370740572	1	2.00E-04	0.0662498774496929
NM_006762	LAPTM5	0	0.400726942298955	1	2.00E-04	0.188459887945938
NM_007029	STMN2	0.12267151294866	0.451612903225806	1	2.00E-04	0.245661926602997,0.196761013925069
NM_015004	EXOSC7	0	0.441163107678328	1	2.00E-04	0.174983789417301
NM_016613	FAM198B	0	0.36210813266697	1	2.00E-04	0.160285941454331,0.2351933209872
NM_017549	EPDR1	0	0.728305315765561	1	2.00E-04	0.16926733193021
NM_017633	FAM46A	0	0.448432530667878	1	2.00E-04	0.10444232744202
NM_018131	CEP55	0	0.393911858246252	1	2.00E-04	0.089295556521225
NM_019111	HLA-DRA	0	0.341208541572013	1	2.00E-04	0.093334761544444,0.0822225460080039
NM_020125	SLAMF8	0	0.309859154929577	1	2.00E-04	0.153524770152062
NM_022334	ITGB1BP1	0	0.398000908677874	1	2.00E-04	0.111350512700191
NM_030769	NPL	0	0.320308950477056	1	2.00E-04	0.188383484159452,0.147867013244954
NM_031462	CD99L2	0	0.460245343025897	1	2.00E-04	0.0114517543292161
NM_032955	AIF1	0	0.367105860972285	1	2.00E-04	0.0895934849333608,0.0683583822327056
NM_134445	CD99L2	0	0.460245343025897	1	2.00E-04	0.0114517543292161
NM_134446	CD99L2	0	0.460245343025897	1	2.00E-04	0.0114517543292161
NM_152594	SPRED1	0	0.36347114947751	1	2.00E-04	0.0300080487943384
NM_172374	IL4I1	0	0.360745115856429	1	2.00E-04	0.0972646828965877
NM_199204	DHRS9	0	0.42480690595184	1	2.00E-04	0.0415757947826965,0.14316376890759,0.165284264877454
NR_023353	EXOSC7	0	0.441163107678328	1	2.00E-04	0.174983789417301
NR_037939	HOXA10	0	0.358927760109041	1	2.00E-04	0.029231021697496
NR_045767	C11orf45	0	0.381644706951386	1	2.00E-04	0.130914404437146
NR_047577	IL4I1	0	0.360745115856429	1	2.00E-04	0.0972646828965877

Table S7: Methylation and mRNA Expression data showing differential methylated transcripts between lean/overweight and obese subjects in SAT samples expressed by a ratio of hyper- and hypo-methylation per promoter; log FC= logarithmic fold change, represents changes in mRNA expression consistently standardized in relation to lean/overweight; fdr/FDR= false discovery

Supplementary Table 8

**Overlap methylation and mRNA expression in OVAT non-obese vs. obese**

Transcript	GeneName	vis_in_obese	vis_in_non-obese	p_value_in_obese	p_value_in_non-obese	logFC
NM_000074	<i>CD40LG</i>	0.412994093593821	0	2.00E-04	1	0.0403683317665491
NM_001005339	<i>RGS10</i>	0.309859154929577	0	2.00E-04	1	0.0739845384275251,0.0391883258987029
NM_001015001	<i>CKMT1A</i>	0.394366197183099	0	2.00E-04	1	0.207837155184034
NM_001037631	<i>CTLA4</i>	0.492503407542026	0	2.00E-04	1	0.0863349559271902
NM_001127453	<i>DFNA5</i>	0.344388914129941	0	2.00E-04	1	0.00936005105921378
NM_001127454	<i>DFNA5</i>	0.379373012267151	0	2.00E-04	1	0.00936005105921378
NM_001130713	<i>LEF1</i>	0.39709223080418	0	2.00E-04	1	0.132422042333224
NM_001130714	<i>LEF1</i>	0.39709223080418	0	2.00E-04	1	0.132422042333224
NM_001166687	<i>PFKM</i>	0.334393457519309	0	2.00E-04	1	0.0355891371622481
NM_001166688	<i>PFKM</i>	0.334393457519309	0	2.00E-04	1	0.0355891371622481
NM_001178098	<i>CD19</i>	0.316674238982281	0	2.00E-04	1	0.156188726416297
NM_001242413	<i>PRKCQ</i>	0.331213084961381	0	2.00E-04	1	0.0551205334156908
NM_001256293	<i>KRT8</i>	0.505679236710586	0	2.00E-04	1	0.315913942723087
NM_001256370	<i>SAMSNI</i>	0.500227169468423	0.126306224443435	2.00E-04	1	0.107162022228305
NM_001281741	<i>UBE2C</i>	0.304861426624262	0	2.00E-04	1	0.0847010245333697
NM_001281742	<i>UBE2C</i>	0.304861426624262	0	2.00E-04	1	0.0847010245333697
NM_001282644	<i>PRKCQ</i>	0.331213084961381	0	2.00E-04	1	0.0551205334156908
NM_001282645	<i>PRKCQ</i>	0.331213084961381	0	2.00E-04	1	0.0551205334156908
NM_001717	<i>BNC1</i>	0.376192639709223	0	2.00E-04	1	0.172909543066075,0.133040889711026,0.0672912534829833
NM_001770	<i>CD19</i>	0.316674238982281	0	4.00E-04	1	0.156188726416297
NM_001783	<i>CD79A</i>	0.35620172648796	0	2.00E-04	1	0.0198251699950895,0.135399081231747
NM_002371	<i>MAL</i>	0.361653793730123	0	2.00E-04	1	0.0352616681100408,0.0344187489241532
NM_004403	<i>DFNA5</i>	0.379373012267151	0	2.00E-04	1	0.00936005105921378
NM_005214	<i>CTLA4</i>	0.492503407542026	0	2.00E-04	1	0.0863349559271902
NM_006257	<i>PRKCQ</i>	0.331213084961381	0	2.00E-04	1	0.0551205334156908
NM_007019	<i>UBE2C</i>	0.304861426624262	0	2.00E-04	1	0.0847010245333697
NM_014716	<i>ACAP1</i>	0.309404815992731	0	2.00E-04	1	0.094706923366711
NM_016269	<i>LEF1</i>	0.39709223080418	0	2.00E-04	1	0.132422042333224
NM_021601	<i>CD79A</i>	0.35620172648796	0	2.00E-04	1	0.0198251699950895,0.135399081231747
NM_022438	<i>MAL</i>	0.361653793730123	0	2.00E-04	1	0.0352616681100408,0.0344187489241532
NM_022439	<i>MAL</i>	0.361653793730123	0	2.00E-04	1	0.0352616681100408,0.0344187489241532
NM_022440	<i>MAL</i>	0.361653793730123	0	2.00E-04	1	0.0352616681100408,0.0344187489241532
NM_031302	<i>GLT8D2</i>	0.343480236256247	0	2.00E-04	1	0.0319748427435909
NM_052939	<i>FCRL3</i>	0.507950931394821	0	2.00E-04	1	-0.00507352668302419,0.0994878575241545
NM_152501	<i>PYHIN1</i>	0.384370740572467	0	2.00E-04	1	0.00471292851632432
NM_181799	<i>UBE2C</i>	0.304861426624262	0	2.00E-04	1	0.0847010245333697
NM_181800	<i>UBE2C</i>	0.304861426624262	0	2.00E-04	1	0.0847010245333697

NM_198928	PYHIN1	0.384370740572467	0	2.00E-04	1	0.00471292851632432
NM_198929	PYHIN1	0.384370740572467	0	2.00E-04	1	0.00471292851632432
NM_198930	PYHIN1	0.384370740572467	0	2.00E-04	1	0.00471292851632432
NR_003945	GVINP1	0.497046796910495	0	2.00E-04	1	0.0160011007293219
NR_045962	KRT8	0.505679236710586	0	2.00E-04	1	0.315913942723087
NR_104036	UBE2C	0.304861426624262	0	2.00E-04	1	0.0847010245333697
NR_104037	UBE2C	0.304861426624262	0	2.00E-04	1	0.0847010245333697
NM_001098501	KIAA1217	0.406633348477965	0	2.00E-04	1	-0.0975707311865701
NM_001142537	LGALS12	0.387096774193548	0	2.00E-04	1	-0.128257773497043
NM_001142538	LGALS12	0.387096774193548	0	2.00E-04	1	-0.128257773497043
NM_001145671	SORBS2	0.819173103134939	0	2.00E-04	1	-0.0208340363863346,-0.0384698113953288
NM_001145672	SORBS2	0.819173103134939	0	2.00E-04	1	-0.0208340363863346,-0.0384698113953288
NM_001159629	SLC27A2	0.373012267151295	0	2.00E-04	1	-0.38139071155339
NM_001193635	DHRS4L2	0.360290776919582	0	2.00E-04	1	-0.0884042281261495
NM_001193636	DHRS4L2	0.360290776919582	0	2.00E-04	1	-0.0884042281261495
NM_001193637	DHRS4L2	0.360290776919582	0	2.00E-04	1	-0.0884042281261495
NM_001198942	DTNA	0.342117219445706	0	2.00E-04	1	-0.119659045702296,-0.0659216765015094,-0.0694051560365658
NM_001198944	DTNA	0.342117219445706	0	2.00E-04	1	-0.119659045702296,-0.0659216765015094,-0.0694051560365658
NM_00121232	CASQ2	0.74602453430259	0	2.00E-04	1	-0.0424977973344547
NM_001243723	SETMAR	0.571104043616538	0	2.00E-04	1	-0.0561094334467316
NM_001252195	C9orf24	0.34893230349841	0	0.0108	0.992	-0.0325683679523356
NM_001267536	GOLGA6L4	0.504316219900045	0	2.00E-04	1	-0.0263378582269749
NM_001276325	SETMAR	0.571104043616538	0	2.00E-04	1	-0.0561094334467316
NM_001282767	KIAA1217	0.406633348477965	0	2.00E-04	1	-0.0975707311865701
NM_001282768	KIAA1217	0.406633348477965	0	2.00E-04	1	-0.0975707311865701
NM_001460	FMO2	0.335302135393003	0	2.00E-04	1	-0.0257578947311714
NM_001873	CPE	0.422080872330759	0	2.00E-04	1	-0.024353084394527
NM_002487	NDN	0.358927760109041	0	2.00E-04	1	-0.0189446499455519
NM_002591	PCK1	0.364379827351204	0	2.00E-04	1	-0.173538420110423
NM_003645	SLC27A2	0.373012267151295	0	2.00E-04	1	-0.38139071155339
NM_004077	CS	0.388005452067242	0	2.00E-04	1	-0.0775369178397791,-0.0428874243454453
NM_005863	NET1	0.366197183098592	0	2.00E-04	1	-0.0528739489658601,-0.0535043231986336
NM_006515	SETMAR	0.571104043616538	0	2.00E-04	1	-0.0561094334467316
NM_007351	MMRN1	0.466606088141754	0	2.00E-04	1	-0.0530709784539778
NM_019590	KIAA1217	0.406633348477965	0	2.00E-04	1	-0.0975707311865701
NM_020185	DUSP22	0.596547024079964	0	2.00E-04	1	-0.058784536957567
NM_020531	APMAP	0.400726942298955	0	2.00E-04	1	-0.107099643309707
NM_024919	FRMD1	0.318491594729668	0	2.00E-04	1	-0.014030174370413
NM_030572	C12orf39	0.313948205361199	0	2.00E-04	1	-0.0762078793333132
NM_032980	DTNA	0.367105860972285	0	2.00E-04	1	-0.119659045702296,-0.0659216765015094,-0.0694051560365658
NM_032981	DTNA	0.367105860972285	0	2.00E-04	1	-0.119659045702296,-0.0659216765015094,-0.0694051560365658

NM_147168	<i>C9orf24</i>	0.34893230349841	0	0.0126	0.9902	-0.0325683679523356
NM_147169	<i>C9orf24</i>	0.34893230349841	0	0.0118	0.988	-0.0325683679523356
NM_152430	<i>OR51E1</i>	0.396183552930486	0	2.00E-04	1	-0.0872920353808211
NM_198503	<i>KCNT2</i>	0.588823262153567	0	2.00E-04	1	-0.00671382354809835
NM_198836	<i>ACACA</i>	0.301681054066333	0	2.00E-04	1	-0.0770009438776116,-0.074125755381321
NR_024022	<i>SETMAR</i>	0.43071331213085	0	2.00E-04	1	-0.0561094334467316
NR_073040	<i>NET1</i>	0.366197183098592	0	2.00E-04	1	-0.0528739489658601,-0.0535043231986336
NR_075073	<i>SETMAR</i>	0.571104043616538	0	2.00E-04	1	-0.0561094334467316
NM_000072	<i>CD36</i>	0	0.307587460245343	1	2.00E-04	-0.14273229978235
NM_000132	<i>F8</i>	0	0.313493866424353	1	2.00E-04	-0.0402749425110498
NM_001001548	<i>CD36</i>	0	0.307587460245343	1	2.00E-04	-0.14273229978235
NM_001029851	<i>PDE8B</i>	0	0.370286233530214	1	2.00E-04	-0.100345386506422,-0.0581691351367304
NM_001029852	<i>PDE8B</i>	0	0.370286233530214	1	2.00E-04	-0.100345386506422,-0.0581691351367304
NM_001029853	<i>PDE8B</i>	0	0.370286233530214	1	2.00E-04	-0.100345386506422,-0.0581691351367304
NM_001029854	<i>PDE8B</i>	0	0.370286233530214	1	2.00E-04	-0.100345386506422,-0.0581691351367304
NM_001076552	<i>ACSS2</i>	0	0.335302135393003	1	2.00E-04	-0.059240612128201,-0.0668829629177501
NM_001122752	<i>SERPINI1</i>	0	0.462517037710132	1	2.00E-04	-0.0643231005674496
NM_001142966	<i>GREB1L</i>	0	0.423898228078146	1	2.00E-04	-0.0906520489763953
NM_001167820	<i>BLCAP</i>	0.0495229441163108	0.582008178100863	1	2.00E-04	-0.0263159707281955
NM_001167821	<i>BLCAP</i>	0	0.582008178100863	1	2.00E-04	-0.0263159707281955
NM_001167822	<i>BLCAP</i>	0	0.582008178100863	1	2.00E-04	-0.0263159707281955
NM_001167823	<i>BLCAP</i>	0	0.435711040436165	1	2.00E-04	-0.0263159707281955
NM_001190880	<i>HYI</i>	0	0.309404815992731	1	2.00E-04	-0.0572961891103001
NM_001198713	<i>SEPT04</i>	0	0.346660608814175	1	2.00E-04	-0.124065990087982,-0.138745465175068
NM_001198945	<i>DTNA</i>	0	0.317128577919128	1	2.00E-04	-0.119659045702296,-0.0659216765015094,-0.0694051560365658
NM_001199758	<i>MTHFS</i>	0	0.405724670604271	1	2.00E-04	-0.082850898834665
NM_001199898	<i>PDK2</i>	0	0.334393457519309	1	2.00E-04	-0.0737361055916692
NM_001199899	<i>PDK2</i>	0	0.594275329395729	1	2.00E-04	-0.0737361055916692
NM_001199900	<i>PDK2</i>	0	0.440254429804634	1	2.00E-04	-0.0737361055916692
NM_001200047	<i>NMNAT3</i>	0	0.358019082235348	1	2.00E-04	-0.013889232883399,-0.0375825984745715
NM_001242393	<i>ACSS2</i>	0	0.36937755565652	1	2.00E-04	-0.059240612128201,-0.0668829629177501
NM_001242902	<i>AKAP1</i>	0	0.308496138119037	1	2.00E-04	-0.00839158347936753
NM_001242903	<i>AKAP1</i>	0	0.308496138119037	1	2.00E-04	-0.00839158347936753
NM_001242936	<i>FAM47E</i>	0	0.492503407542026	1	2.00E-04	-0.0761473351929371
NM_001243526	<i>HYI</i>	0	0.309404815992731	1	2.00E-04	-0.0572961891103001
NM_001243611	<i>LMO3</i>	0	0.507496592457974	1	2.00E-04	-0.182371077990691
NM_001243728	<i>ATPAF1</i>	0	0.359382099045888	1	2.00E-04	-0.0275676829047637
NM_001256418	<i>ATPAF1</i>	0	0.359382099045888	1	2.00E-04	-0.0275676829047637
NM_001256782	<i>SEPT04</i>	0	0.346660608814175	1	2.00E-04	-0.124065990087982,-0.138745465175068
NM_001270622	<i>SLC16A7</i>	0	0.306224443434802	1	2.00E-04	-0.0462289211148648
NM_001270623	<i>SLC16A7</i>	0	0.306224443434802	1	2.00E-04	-0.0462289211148648

NM_001278590	LIAS	0.084961381190368	0.433439345751931	1	2.00E-04	-0.0629417183255363
NM_001278591	LIAS	0.084961381190368	0.433439345751931	1	2.00E-04	-0.0629417183255363
NM_001278592	LIAS	0.084961381190368	0.433439345751931	1	2.00E-04	-0.0629417183255363
NM_001392	DTNA	0	0.317128577919128	1	2.00E-04	-0.119659045702296,-0.0659216765015094,-0.0694051560365658
NM_002611	PDK2	0	0.440254429804634	1	2.00E-04	-0.0737361055916692
NM_002840	PTPRF	0	0.507496592457974	1	2.00E-04	-0.0847630241879331,-0.0640174554538571
NM_003719	PDE8B	0	0.370286233530214	1	2.00E-04	-0.100345386506422,-0.0581691351367304
NM_003849	SUCLG1	0	0.407996365288505	1	2.00E-04	-0.0548320130188058
NM_004731	SLC16A7	0	0.364379827351204	1	2.00E-04	-0.0462289211148648
NM_004982	KCNJ8	0	0.922762380736029	1	2.00E-04	-0.0447925230779092
NM_005025	SERPINI1	0	0.44525215810995	1	2.00E-04	-0.0643231005674496
NM_005160	ADRBK2	0	0.515674693321218	1	2.00E-04	-0.0364003381675517
NM_005228	EGFR	0	0.485688323489323	1	2.00E-04	-0.0565569454349411
NM_005923	MAP3K5	0	0.481599273057701	1	2.00E-04	-0.13893620516986
NM_006441	MTHFS	0	0.499772830531577	1	2.00E-04	-0.082850898834665
NM_006698	BLCAP	0.0495229441163108	0.582008178100863	1	2.00E-04	-0.0263159707281955
NM_006859	LIAS	0.084961381190368	0.433439345751931	1	2.00E-04	-0.0629417183255363
NM_012259	HEY2	0	0.31531122217174	1	2.00E-04	-0.110125797984385
NM_012419	RGS17	0	0.327124034529759	1	2.00E-04	-0.0795496565245908
NM_016453	NCKIPSD	0	0.309859154929577	1	2.00E-04	-0.00815260213655167
NM_018677	ACSS2	0	0.335302135393003	1	2.00E-04	-0.059240612128201,-0.0668829629177501
NM_020211	RGMA	0	0.357110404361654	1	2.00E-04	-0.0457149726789847
NM_021244	RRAGD	0	0.333484779645616	1	2.00E-04	-0.0728684146120644
NM_031207	HYI	0	0.309404815992731	1	2.00E-04	-0.0572961891103001
NM_032593	HINT2	0	0.313039527487506	1	2.00E-04	-0.0617817422373088
NM_032975	DTNA	0	0.317128577919128	1	2.00E-04	-0.119659045702296,-0.0659216765015094,-0.0694051560365658
NM_032979	DTNA	0	0.317128577919128	1	2.00E-04	-0.119659045702296,-0.0659216765015094,-0.0694051560365658
NM_130440	PTPRF	0	0.507496592457974	1	2.00E-04	-0.0847630241879331,-0.0640174554538571
NM_134268	CYGB	0	0.332121762835075	1	2.00E-04	-0.118429729706158
NM_178177	NMNAT3	0	0.358019082235348	1	2.00E-04	-0.013889232883399,-0.0375825984745715
NM_184231	NCKIPSD	0	0.309859154929577	1	2.00E-04	-0.00815260213655167
NM_194451	LIAS	0.084961381190368	0.433439345751931	1	2.00E-04	-0.0629417183255363
NM_199050	C2CD2	0	0.314856883234893	1	2.00E-04	-0.0532083305056572,-0.0942744104388944
NM_201282	EGFR	0	0.485688323489323	1	2.00E-04	-0.0565569454349411
NM_201283	EGFR	0	0.485688323489323	1	2.00E-04	-0.0565569454349411
NM_201284	EGFR	0	0.485688323489323	1	2.00E-04	-0.0565569454349411
NR_037654	MTHFS	0	0.523398455247615	1	2.00E-04	-0.082850898834665
NR_073055	SLC16A7	0	0.364379827351204	1	2.00E-04	-0.0462289211148648
NR_073056	SLC16A7	0	0.364379827351204	1	2.00E-04	-0.0462289211148648
NM_000378	WT1	0	0.378464334393458	1	2.00E-04	0.1131821276639,0.0894832431563402
NM_000495	COL4A5	0	0.381644706951386	1	2.00E-04	0.0906787927558659

NM_001008844	<i>DSP</i>	0	0.472058155383916	1	2.00E-04	0.134024318349841
NM_001130716	<i>PLAC8</i>	0	0.358473421172194	1	2.00E-04	0.12440938860437,0.0660544354793993
NM_001136528	<i>SERPINE2</i>	0	0.417083144025443	1	2.00E-04	0.0913789055646195
NM_001161661	<i>WWC1</i>	0	0.352112676056338	1	2.00E-04	0.180712980246713
NM_001161662	<i>WWC1</i>	0	0.352112676056338	1	2.00E-04	0.180712980246713
NM_001189	<i>NKX3-2</i>	0	0.433439345751931	1	2.00E-04	0.0869725019484169
NM_001523	<i>HAS1</i>	0	0.316219900045434	1	2.00E-04	0.333929924287145
NM_002581	<i>PAPPA</i>	0	0.302589731940027	1	2.00E-04	0.0322764293948901
NM_002922	<i>RGS1</i>	0	0.641526578827806	1	2.00E-04	0.110072419788595
NM_004319	<i>ASTN1</i>	0	0.342571558382553	1	2.00E-04	0.0538059968743954
NM_004415	<i>DSP</i>	0	0.472058155383916	1	2.00E-04	0.134024318349841
NM_005077	<i>TLE1</i>	0	0.429804634257156	1	2.00E-04	0.00368007010372473
NM_006113	<i>VAV3</i>	0	0.39709223080418	1	2.00E-04	0.013590242710092
NM_006216	<i>SERPINE2</i>	0	0.417083144025443	1	2.00E-04	0.0913789055646195
NM_006950	<i>SYN1</i>	0	0.367105860972285	1	2.00E-04	0.0971863553754737
NM_014376	<i>CYFIP2</i>	0.142208087233076	0.56065424806906	1	2.00E-04	0.0873886445820624,0.0964789882186841
NM_014452	<i>TNFRSF21</i>	0	0.569741026805997	1	2.00E-04	0.0388524867480138
NM_015238	<i>WWC1</i>	0	0.352112676056338	1	2.00E-04	0.180712980246713
NM_020980	<i>AQP9</i>	0	0.448432530667878	1	2.00E-04	0.133322814267267
NM_024424	<i>WT1</i>	0	0.378464334393458	1	2.00E-04	0.1131821276639,0.0894832431563402
NM_024426	<i>WT1</i>	0	0.378464334393458	1	2.00E-04	0.1131821276639,0.0894832431563402
NM_033380	<i>COL4A5</i>	0	0.381644706951386	1	2.00E-04	0.0906787927558659
NM_133499	<i>SYN1</i>	0	0.367105860972285	1	2.00E-04	0.0971863553754737
NM_198353	<i>KCTD8</i>	0.0218082689686506	0.447978191731031	1	2.00E-04	0.0341810101735576
NM_207108	<i>ASTN1</i>	0	0.342571558382553	1	2.00E-04	0.0538059968743954
NR_003679	<i>HAND2-AS1</i>	0	0.360745115856429	1	2.00E-04	0.00376786064945822
NR_023920	<i>WT1-AS</i>	0	0.333939118582463	1	2.00E-04	0.117871745180006,0.12626983390515

Table S8: Methylation and mRNA Expression data showing differential methylated transcripts between lean/overweight and obese subjects in OVAT samples expressed by a ratio of hyper- and hypomethylation per promoter; log FC= logarithmic fold change, represents changes in mRNA expression consistently standardized in relation to lean/overweight; fdr/FDR= false discovery rate; brown



## Supplementary Table 9

SAT vs. OVAT									
Gene	Probe ID	N	Pyrosequencing			MeDIP-array Promoter Methylation			
			SAT	OVAT	<i>P</i> -value	N	SAT	OVAT	<i>P</i> -value
<i>HOXD3</i>	176736323	63	40.36±13.3	20.01±13.4	<1x10 <sup>-13</sup>	77	0.13±0.2	-0.01±0.1	<1x10 <sup>-10</sup>
<i>HOXD4</i>	176723238	72	44.13±14.9	27.15±16.6	<1x10 <sup>-8</sup>	77	0.20±0.1	0.1±0.1	<1x10 <sup>-9</sup>
	176724282	70	79.60±9.5	58.44±15.5	<1x10 <sup>-15</sup>				

Supplementary Table 9 shows results for DNA methylation of HOXD3 and HOXD4, either measured by pyrosequencing or MeDIP-array method. The distance of the probes relative to the transcription start site (TSS) was -728 bp; -1121 bp and -77 bp, respectively. Data are mean ± SD. Pyrosequencing data was generated in the same sample set as the initial array data.

## Supplementary Table 10

### Cluster

Annotation Cluster 1											
Term	Count	%	PValue	Genes	List Total	Pop Hits	Pop Total	Fold Enrichment	Bonferroni	Benjamini	FDR
<b>Enrichment Score: 1.8717</b>											
GOTERM_MF_FAT	4	1.338	0.006	HAND2, PPARC, RUNX1, HSD17B8	24	208	12983	10.063	0.517	0.305	6.387
GOTERM_MF_FAT	5	1.672	0.012	HOXC6, HAND2, PPARC, RUNX1, HSD17B8	24	513	12983	5.272	0.779	0.315	12.81
GOTERM_MF_FAT	5	1.672	0.014	TCF21, HAND2, PPARC, RUNX1, HSD17B8	24	542	12983	4.99	0.838	0.262	15.243
GOTERM_MF_FAT	4	1.338	0.035	HAND2, PPARC, RUNX1, HSD17B8	24	410	12983	5.278	0.989	0.475	33.612
<b>Annotation Cluster 2</b>											
<b>Enrichment Score: 1.6523</b>											
GOTERM_BP_FAT	5	1.672	0.009	TCF21, MEOX1, HAND2, PPARC, RUNX1	25	477	13528	5.672	0.977	0.977	12.196
GOTERM_BP_FAT	5	1.672	0.01	TCF21, MEOX1, HAND2, PPARC, RUNX1	25	481	13528	5.625	0.98	0.857	12.531
GOTERM_BP_FAT	5	1.672	0.016	TCF21, MEOX1, HAND2, PPARC, RUNX1	25	564	13528	4.797	0.999	0.893	20.589
GOTERM_BP_FAT	5	1.672	0.018	TCF21, MEOX1, HAND2, PPARC, RUNX1	25	581	13528	4.657	0.999	0.843	22.487
GOTERM_BP_FAT	5	1.672	0.023	TCF21, MEOX1, HAND2, PPARC, RUNX1	25	624	13528	4.336	1	0.848	27.608
GOTERM_BP_FAT	5	1.672	0.025	TCF21, MEOX1, HAND2, PPARC, RUNX1	25	644	13528	4.201	1	0.775	30.126
GOTERM_BP_FAT	5	1.672	0.027	TCF21, MEOX1, HAND2, PPARC, RUNX1	25	654	13528	4.137	1	0.746	31.413
GOTERM_BP_FAT	4	1.338	0.027	MEOX1, HAND2, PPARC, RUNX1	25	371	13528	5.834	1	0.71	31.826
GOTERM_BP_FAT	5	1.672	0.031	TCF21, MEOX1, HAND2, PPARC, RUNX1	25	685	13528	3.95	1	0.721	35.503
GOTERM_BP_FAT	5	1.672	0.032	TCF21, MEOX1, HAND2, PPARC, RUNX1	25	695	13528	3.893	1	0.704	36.849
GOTERM_BP_FAT	5	1.672	0.062	TCF21, MEOX1, HAND2, PPARC, RUNX1	25	857	13528	3.157	1	0.823	59.01
<b>Annotation Cluster 3</b>											
<b>Enrichment Score: 1.5616</b>											
GOTERM_MF_FAT	6	2.007	0.004	HOXC6, TCF21, MEOX1, HAND2, PPARC, ETV6	24	607	12983	5.347	0.375	0.375	4.174
GOTERM_MF_FAT	7	2.341	0.006	HOXC6, TCF21, MEOX1, HAND2, PPARC, ETV6, RUNX1	24	975	12983	3.884	0.53	0.222	6.617
GOTERM_MF_FAT	8	2.676	0.013	HOXC6, TCF21, MEOX1, HAND2, PPARC, ETV6, RUNX1, HSD17B8	24	1512	12983	2.862	0.813	0.285	14.127

### transcriptional regulation

### positive regulation of transcription

SP_PIR_KEYWORDS	transcription regulation	8	2.676	0.033	HOXC6, TCF21, MEOX1, HAND2, PPARC, AFF3, ETV6, RUNX1	31	2026	19235	2.45	0.963	0.808	31,059
GOTERM_BP_FAT	GO:0063555-regulation of transcription, DNA-dependent	7	2.341	0.084	HOXC6, TCF21, MEOX1, HAND2, PPARC, ETV6, RUNX1	25	1773	13528	2.136	1	0.894	70,863
GOTERM_BP_FAT	GO:0051252-regulation of RNA metabolic process	7	2.341	0.092	HOXC6, TCF21, MEOX1, HAND2, PPARC, ETV6, RUNX1	25	1813	13528	2.089	1	0.873	74,05
GOTERM_BP_FAT	GO:0045449-regulation of transcription	8	2.676	0.163	HOXC6, TCF21, MEOX1, HAND2, PPARC, AFF3, ETV6, RUNX1	25	2601	13528	1.664	1	0.944	91,649
<b>Annotation Cluster 4</b>												
<b>Enrichment Score: 1.1920</b>												
SP_PIR_KEYWORDS	transcription regulation	9	3.01	0.006	HOXC6, TCF21, MEOX1, HAND2, SETMAR, PPARC, AFF3, ETV6, RUNX1	31	1868	19235	2.989	0.472	0.472	6,951
SP_PIR_KEYWORDS	transcription regulation	8	2.676	0.033	HOXC6, TCF21, MEOX1, HAND2, PPARC, AFF3, ETV6, RUNX1	31	2026	19235	2.45	0.963	0.808	31,059
GOTERM_MF_FAT	GO:003677-DNA binding	9	3.01	0.041	HOXC6, TCF21, MEOX1, HAND2, SETMAR, PPARC, AFF3, ETV6, RUNX1	24	2331	12983	2.089	0.995	0.488	38,519
SP_PIR_KEYWORDS	Transcription	7	2.341	0.097	HOXC6, TCF21, MEOX1, HAND2, PPARC, AFF3, ETV6, RUNX1	31	2071	19235	2.097	1	0.917	67,545
GOTERM_BP_FAT	GO:006350-transcription	7	2.341	0.157	HOXC6, TCF21, MEOX1, HAND2, PPARC, AFF3, ETV6, RUNX1	25	2101	13528	1.803	1	0.945	90,861
GOTERM_BP_FAT	GO:0045449-regulation of transcription	8	2.676	0.163	HOXC6, TCF21, MEOX1, HAND2, PPARC, AFF3, ETV6, RUNX1	25	2601	13528	1.664	1	0.944	91,649
SP_PIR_KEYWORDS	nucleus	10	3.344	0.208	HOXC6, TCF21, MEOX1, HAND2, SETMAR, PPARC, DUSP22, AFF3, ETV6, RUNX1	31	4283	19235	1.449	1	0.942	92,382
<b>Annotation Cluster 5</b>												
<b>Enrichment Score: 0.7762</b>												
GOTERM_BP_FAT	GO:0043009-chordate embryonic development	3	1.003	0.116	HOXC6, MEOX1, HAND2	25	331	13528	4.904	1	0.918	82,133
GOTERM_BP_FAT	GO:009792-embryonic development ending in birth or egg hatching	3	1.003	0.118	HOXC6, MEOX1, HAND2	25	334	13528	4.86	1	0.912	82,619
SP_PIR_KEYWORDS	developmental protein	3	1.003	0.344	HOXC6, MEOX1, HAND2	31	779	19235	2.39	1	0.977	99,061
<b>Annotation Cluster 6</b>												
<b>Enrichment Score: 0.7604</b>												
GOTERM_CC_FAT	GO:0016023-cytoplasmic membrane-bounded vesicle	3	1.003	0.149	CD36, ATP6V1B2, SSPN	17	550	12782	4.101	1	0.993	82,896
GOTERM_CC_FAT	GO:0031988-membrane-bounded vesicle	3	1.003	0.157	CD36, ATP6V1B2, SSPN	17	568	12782	3.971	1	0.98	84,555
GOTERM_CC_FAT	GO:0031410-cytoplasmic vesicle	3	1.003	0.191	CD36, ATP6V1B2, SSPN	17	642	12782	3.513	1	0.98	90,064
GOTERM_CC_FAT	GO:0031982-vesicle	3	1.003	0.203	CD36, ATP6V1B2, SSPN	17	670	12782	3.567	1	0.969	91,664

Supplementary Table 10: represents results from the gene ontology using DAVID (<https://david.ncifcrf.gov/>) with default settings, high classification stringency. Categories  $\leq 0.5$  (cut off) enrichment score were presented in figure 6

Supplementary Table 11. Linear regression analyses for anthropometric traits in SAT

Gene ID	SAT Transcript	BMI			body fat			CT-ratio			Waist			HIP			WHR			subcutaneous-fat area			visceral fat area		
		P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$		
<i>HOXC6</i>	NM_004503	0.199	0.213	0.963	0.006	0.130	-0.747	0.446	-0.062	0.907	-0.007	0.45	-0.053	0.203	0.534	-0.234									
<i>MEOX1*</i>	NM_013999*	0.463	0.105	0.938	0.010	0.641	0.204	0.899	-0.009	0.757	0.018	0.69	-0.025	0.948	0.024	0.217									
<i>PPARG</i>	NM_005037	0.794	-0.036	0.394	-0.095	0.203	-0.551	0.872	-0.011	0.429	-0.044	0.626	0.03	0.368	0.332	-0.214									
<i>PPARG (2)</i>	NM_138711	0.981	0.004	0.756	-0.038	<b>0.007</b>	-1.199	0.801	-0.019	0.489	-0.041	0.763	0.020	0.112	0.61	-0.579									
<i>CKMT1B</i>	NM_020990	<b>0.003</b>	0.341	0.336	-0.089	0.726	0.129	0.792	0.016	0.388	-0.041	0.284	0.056	0.466	-0.228	-0.107									
<i>HAND2</i>	NM_021973	0.097	-0.233	0.110	-0.198	0.065	-0.789	0.749	-0.023	0.27	0.061	0.173	-0.083	0.516	0.238	-0.562									
<i>TCF21</i>	NM_198392	0.161	-0.212	0.609	-0.061	0.403	0.404	<b>0.028</b>	-0.171	0.225	-0.075	0.157	-0.097	0.335	-0.395	0.022									
<i>CKMT1A</i>	NM_001015001	0.556	0.061	0.464	-0.057	0.523	0.208	0.641	-0.025	0.379	-0.037	0.798	0.012	0.484	-0.193	0.009									
<i>AFF3</i>	NM_001025108	0.598	-0.078	0.761	0.041	0.115	0.689	0.781	0.02	0.867	0.010	0.896	0.008	0.056	-0.705	-0.035									
<i>CD36</i>	NM_001127443	0.783	-0.029	0.609	-0.045	<b>0.037</b>	-0.644	0.078	-0.089	0.575	0.023	<b>0.010</b>	-0.112	0.101	0.432	-0.211									
<i>FAM25C</i>	NM_001137548	0.27	0.175	0.872	0.02	0.875	-0.077	0.543	0.049	0.975	0.002	0.482	0.049	0.762	-0.125	-0.229									
<i>PHLDB1*</i>	NM_001144759*	0.734	0.055	0.653	-0.062	0.241	-0.563	0.210	-0.098	0.617	-0.031	0.331	-0.066	<b>0.037</b>	0.838	0.262									
<i>SORBS2</i>	NM_001145671	0.503	0.066	0.255	-0.089	0.655	0.134	0.300	-0.051	0.351	-0.036	0.716	-0.015	0.673	-0.107	0.031									
<i>SORBS2 (2)</i>	NM_001145672	0.547	0.059	0.541	-0.048	0.518	0.188	0.505	-0.032	0.523	-0.024	0.841	-0.008	0.508	-0.164	0.027									
<i>CLDN1</i>	NM_021101	<b>0.028</b>	-0.303	0.275	-0.126	0.222	-0.533	0.705	0.027	0.228	0.068	0.513	-0.041	0.441	0.286	-0.264									
<i>CASQ2</i>	NM_001232	0.721	0.035	0.669	-0.034	<b>0.028</b>	0.66	0.170	-0.070	0.604	-0.021	0.262	-0.050	0.403	-0.216	0.446									
<i>ATP6V1B2</i>	NM_001693	0.109	-0.194	0.912	-0.011	0.621	0.182	0.363	0.055	0.087	0.081	0.609	-0.027	0.35	-0.291	-0.108									
<i>RUNX1</i>	NM_001754	0.225	-0.135	0.926	-0.009	<b>0.002</b>	1.006	0.508	-0.036	0.887	0.006	0.374	-0.042	<b>0.001</b>	-0.873	0.139									
<i>ETV6</i>	NM_001987	0.324	-0.147	0.988	-0.002	<b>0.025</b>	-0.984	0.227	0.087	0.402	0.048	0.543	0.038	0.273	0.413	-0.558									
<i>SSPN</i>	NM_005086	<b>0.005</b>	-0.465	0.129	-0.222	<b>0.012</b>	-1.367	<b>0.003</b>	-0.269	0.845	-0.014	<b>0.001</b>	-0.253	0.135	0.705	-0.651									
<i>RGSI</i>	NM_002362	0.256	-0.13	0.873	0.017	0.185	-0.457	0.439	0.044	0.868	-0.007	0.308	0.050	0.224	0.357	-0.102									
<i>IL18R1*</i>	NM_003855*	<b>0.010</b>	-0.362	0.360	-0.134	0.684	-0.18	0.832	0.015	0.704	-0.022	0.585	0.034	0.915	0.04	-0.139									
<i>DSP*</i>	NM_004415*	0.312	0.105	0.880	-0.013	0.717	0.11	0.583	0.027	0.614	-0.020	0.279	0.046	0.392	-0.219	-0.098									
<i>SETMAR*</i>	NM_006515*	0.526	0.037	0.740	-0.016	0.115	0.275	0.927	0.003	0.798	-0.006	0.739	0.008	0.563	-0.086	0.188									
<i>HSD17B8</i>	NM_014234	0.499	0.097	0.704	0.047	0.186	-0.572	0.180	-0.097	0.178	-0.076	0.751	-0.020	0.127	0.559	-0.014									
<i>TNFRSF21</i>	NM_014452	0.065	-0.284	0.756	-0.04	0.137	-0.703	0.618	0.039	<b>0.032</b>	0.130	0.175	-0.091	0.532	0.252	-0.452									

<b>EPDR1*</b>	NM_017549*	0.094	-0.221	0.895	-0.016	<b>0.017</b>	0.933	0.881	0.010	0.544	-0.031	0.467	0.041	0.165	-0.466	0.160	0.452
<b>DUSP22</b>	NM_020185	0.986	0.002	0.848	0.018	0.299	0.356	0.114	0.088	0.331	0.043	0.357	0.045	0.772	-0.084	0.301	0.287
<b>GPRC5D</b>	NM_018654	<b>0.008</b>	0.354	<b>0.023</b>	0.311	<b>0.030</b>	0.914	0.514	0.046	0.374	-0.050	0.119	0.095	0.817	-0.084	<b>0.014</b>	0.831
<b>TSGA10IP</b>	NM_152762	<b>0.006</b>	-0.253	0.281	-0.086	0.756	0.091	0.846	-0.010	0.701	0.015	0.561	-0.025	0.426	-0.197	0.658	-0.105
<b>GSTMI</b>	NM_000561	0.498	0.107	0.754	0.039	0.387	-0.415	0.950	-0.005	0.728	0.022	0.691	-0.027	0.978	0.011	0.288	-0.414
<b>SERPINB7</b>	NM_001040147	0.767	0.040	0.630	0.056	0.308	-0.408	0.561	-0.038	0.469	0.037	0.194	-0.074	0.879	0.052	0.285	-0.348
<b>INPPI*</b>	NM_001128928	0.603	0.089	0.569	-0.091	0.051	-0.990	0.807	0.021	0.944	-0.005	0.737	0.025	0.202	0.555	0.275	-0.455
<b>CCDC125</b>	NM_176816	<b>0.030</b>	0.082	0.745	-0.011	0.260	0.133	0.321	0.019	0.237	0.018	0.971	0.001	0.249	-0.116	0.820	0.022
<b>GOLGA6L4</b>	NM_001267536	0.240	0.102	0.227	-0.09	0.951	-0.016	0.707	0.016	0.802	-0.009	0.508	0.025	0.897	-0.03	0.801	-0.055
<b>G0S2</b>	NM_015714	0.703	-0.051	0.213	0.145	0.489	0.275	0.729	-0.023	0.672	-0.022	0.984	-0.001	0.642	0.157	0.178	0.433

**Supplementary Table 11** shows top candidate genes/transcripts. Transcripts marked with \* have at least one additional transcript delivering identical results (*MEOX1*; NM\_004527; *PHLDB1*: NM\_001144758; *IL18RI*: NM\_001282399; *DSP*: NM\_001008844; *SETMAR*: NM\_001243723, NM\_001276325; *EPDR1*: NM\_001242946; *INPPI*: NM\_002194). Linear regression analyses were adjusted for sex, age, lnBMI and T2D. Phenotypes were measured as following: BMI: kg/m<sup>2</sup>; body fat: %; CT-ratio: OVAT/SAT area; Waist: cm; HIP: cm; WHR: ratio waist-to-hip; subcutaneous-fat area: cm<sup>2</sup>; visceral fat area: cm<sup>2</sup>. Results are shown as *P*-values (*P*) and effect direction ( $\beta$ ). Nominal significance is defined as *P*<0.05.

Supplementary Table 12. Linear regression analyses for anthropometric traits in OVAT

Gene ID	Transcript	BMI			body fat			CT-ratio			Waist			HIP			WHR			subcutaneous-fat area			visceral fat area		
		P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$		
<i>HOXC6</i>	NM_004503	<b>0.029</b>	-0.269	0.088	-0.177	0.421	-0.302	0.620	-0.031	<b>0.021</b>	-0.112	0.133	0.081	0.437	-0.247	0.067	-0.552								
<i>MEOX1*</i>	NM_013999*	0.126	-0.257	0.514	-0.103	0.053	0.951	0.959	0.004	0.375	-0.058	0.389	0.062	<b>0.032</b>	-0.893	0.900	0.051								
<i>PPARG</i>	NM_005037	0.131	-0.173	0.483	-0.068	0.261	-0.381	0.252	-0.064	<b>0.051</b>	-0.085	0.673	0.020	0.988	-0.004	0.174	-0.373								
<i>PPARG (2)</i>	NM_138711	0.199	-0.169	0.549	-0.066	<b>0.029</b>	-0.833	0.240	-0.074	0.265	-0.055	0.726	-0.019	0.466	0.240	0.062	-0.581								
<i>CKMT1B</i>	NM_020990	0.390	0.108	0.862	0.018	0.413	0.306	0.250	0.070	0.603	-0.025	0.077	0.093	0.794	0.083	0.200	0.387								
<i>HAND2</i>	NM_021973	<b>0.001</b>	-0.489	0.878	-0.022	0.734	-0.174	0.984	0.002	0.705	-0.025	0.713	0.027	0.937	-0.034	0.607	-0.213								
<i>TCF21</i>	NM_198392	0.886	-0.022	0.256	0.145	0.961	0.022	0.993	0.001	0.370	0.052	0.429	-0.050	0.743	0.125	0.655	0.163								
<i>CKMT1A</i>	NM_001015001	<b>0.032</b>	0.260	0.264	0.116	0.347	0.354	0.587	0.033	0.558	-0.028	0.267	0.059	0.608	0.164	0.081	0.529								
<i>AFF3</i>	NM_001025108	0.344	0.156	0.841	0.029	0.543	0.294	0.993	-0.001	0.264	-0.069	0.313	0.069	0.608	-0.211	0.801	0.099								
<i>CD36</i>	NM_001127443	0.055	-0.196	0.764	-0.026	0.342	-0.305	0.466	-0.040	0.233	-0.051	0.802	0.012	0.507	-0.181	0.059	-0.488								
<i>FAM25C</i>	NM_001137548	0.637	-0.092	0.804	-0.036	0.098	0.914	0.347	0.086	0.718	0.026	0.448	0.060	0.811	-0.113	0.074	0.801								
<i>PHLDB1*</i>	NM_001144759*	0.326	-0.150	0.368	0.125	0.627	0.216	0.378	0.064	0.362	-0.052	0.060	0.117	0.634	-0.180	0.962	0.017								
<i>SORBS2</i>	NM_001145671	<b>3.0x10<sup>-4</sup></b>	0.358	0.739	0.030	0.148	0.474	0.360	-0.049	0.420	0.034	0.073	-0.083	0.707	-0.105	0.163	0.371								
<i>SORBS2 (2)</i>	NM_001145672	<b>2.4x10<sup>-5</sup></b>	0.437	0.551	0.062	0.095	0.599	0.697	-0.023	0.273	0.051	0.148	-0.074	0.305	-0.314	0.322	0.291								
<i>CLDN1</i>	NM_021101	0.964	0.007	0.738	-0.045	0.699	0.178	0.838	-0.015	0.402	0.050	0.327	-0.064	0.107	-0.622	0.222	-0.453								
<i>CASQ2</i>	NM_001232	<b>6.2x10<sup>-5</sup></b>	0.314	0.659	0.036	0.689	0.110	0.714	-0.017	0.753	-0.011	0.884	-0.006	0.561	0.136	0.274	0.244								
<i>ATP6V1B2</i>	NM_001693	0.267	-0.143	0.207	-0.126	0.208	-0.479	0.795	-0.016	0.865	0.008	0.661	-0.024	0.988	-0.005	0.110	-0.491								
<i>RUNX1</i>	NM_001754	0.599	-0.063	0.847	0.020	<b>0.014</b>	0.843	<b>0.050</b>	0.111	0.805	0.011	<b>0.044</b>	0.099	0.675	-0.125	<b>0.010</b>	0.721								
<i>ETV6</i>	NM_001987	0.132	-0.220	0.488	-0.103	0.633	-0.208	0.315	-0.071	0.731	0.019	0.151	-0.088	0.961	-0.018	0.547	-0.212								
<i>SSPN</i>	NM_005086	0.593	0.085	0.182	0.168	<b>0.033</b>	-0.993	0.228	-0.097	0.960	-0.003	0.180	-0.094	<b>0.008</b>	1.046	0.913	0.042								
<i>RGS1</i>	NM_002362	0.217	-0.156	0.330	-0.109	0.537	-0.235	0.107	-0.099	<b>0.013</b>	-0.118	0.723	0.019	0.889	-0.045	0.348	-0.289								
<i>IL18R1*</i>	NM_003855*	0.833	-0.028	0.878	-0.018	0.833	-0.085	0.129	-0.100	0.757	-0.016	0.145	-0.083	0.744	-0.112	0.540	-0.202								
<i>DSP*</i>	NM_004415*	0.219	-0.146	0.229	-0.126	0.602	-0.194	0.609	-0.031	0.932	-0.004	0.621	-0.026	0.387	-0.272	0.109	-0.479								
<i>SETMAR*</i>	NM_006515*	<b>0.026</b>	0.108	0.714	0.016	0.600	0.081	0.271	-0.028	0.847	0.004	0.153	-0.031	0.500	0.088	0.177	0.168								
<i>HSD17B8</i>	NM_014234	<b>0.036</b>	-0.301	0.677	0.048	0.647	-0.202	0.078	-0.125	0.216	-0.070	0.376	-0.055	0.802	0.094	0.749	-0.114								
<i>TNFRSF21</i>	NM_014452	<b>0.009</b>	-0.342	0.252	-0.144	0.475	0.300	<b>0.047</b>	-0.139	<b>0.013</b>	-0.135	0.931	-0.005	0.101	-0.579	0.416	-0.277								

<i>EPDR1*</i>	NM_017549*	0.738	0.051	0.977	-0.004	0.205	0.569	0.166	0.102	0.216	0.072	0.639	0.030	0.990	0.005	0.114	0.574
<i>DUSP22</i>	NM_020185	0.272	0.108	0.767	0.024	0.507	0.200	0.710	0.019	0.942	0.003	0.722	0.015	0.697	-0.100	0.673	0.104
<i>GPRC5D</i>	NM_018654	0.629	0.061	0.703	-0.040	0.256	0.459	0.974	0.002	0.305	0.054	0.374	-0.052	0.416	-0.280	0.591	0.177
<i>TSGA10IP</i>	NM_152762	0.216	-0.135	0.210	-0.131	0.139	-0.485	0.565	0.031	0.730	0.015	0.701	0.018	0.476	0.200	0.291	-0.282
<i>GSTMI</i>	NM_000561	<b>0.037</b>	-0.420	<b>0.005</b>	-0.445	0.706	-0.238	0.605	-0.056	0.451	0.064	0.205	-0.119	0.084	-0.912	<b>0.025</b>	-1.125
<i>SERPINB7</i>	NM_001040147	<b>0.018</b>	-0.361	0.514	-0.082	0.455	-0.368	0.751	0.026	0.238	-0.075	0.162	0.098	0.240	0.489	0.734	0.136
<i>INPPI*</i>	NM_001128928	<b>0.003</b>	-0.437	0.550	0.082	<b>0.026</b>	1.066	0.438	-0.062	0.563	-0.037	0.705	-0.026	<b>0.035</b>	-0.858	0.595	0.210
<i>CCDC125</i>	NM_176816	<b>1.3x10<sup>-4</sup></b>	0.151	0.873	-0.006	0.210	0.172	0.771	0.007	0.500	0.012	0.771	-0.006	0.128	-0.176	0.946	-0.008
<i>GOLGA6L4</i>	NM_001267536	<b>0.014</b>	0.220	0.898	-0.010	0.689	0.110	0.115	0.071	<b>0.038</b>	0.073	0.954	-0.002	0.929	0.021	0.562	0.130
<i>G0S2</i>	NM_015714	<b>0.021</b>	-0.232	0.427	-0.069	0.198	0.396	0.059	0.095	0.240	0.047	0.281	0.047	<b>0.016</b>	-0.619	0.377	-0.222

**Supplementary Table 12** shows top candidate genes/transcripts. Transcripts marked with \* have at least one additional transcript delivering identical results (*MEOX1*: NM\_004527; *PHLDB1*: NM\_001144758; *IL18R1*: NM\_001282399; *DSP*: NM\_001008844; *SETMAR*: NM\_001243723, NM\_001276325; *EPDR1*: NM\_001242946; *INPPI*: NM\_002194). Linear regression analyses were adjusted for sex, age, lnBMI and T2D. Phenotypes were measured as following: BMI: kg/m<sup>2</sup>; body fat: %; CT-ratio: OVAT/SAT area; Waist: cm; HIP: cm; WHR: ratio waist-to-hip; subcutaneous-fat area: cm<sup>2</sup>; visceral fat area: cm<sup>2</sup>. Results are shown as *P* -values (*P*) and effect direction ( $\beta$ ). Nominal significance is defined as *P*<0.05.

Supplementary Table 13. Linear regression analyses for metabolic variables in SAT

Gene ID	SAT Transcript	FPG			FPI			HbA1c			oGTT_2h			HDL-C			LDL-C			FFA			TG		
		P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$		
<i>HOXC6</i>	NM_004503	0.662	0.042	0.409	-0.672	0.338	-0.042	0.820	0.038	0.227	0.281	0.823	-0.076	0.694	-0.285	0.674	0.137								
<i>MEOX1*</i>	NM_013999*	0.629	-0.039	0.117	-1.092	0.677	-0.016	0.460	-0.107	0.479	-0.129	0.529	0.168	0.250	-0.768	0.862	0.040								
<i>PPARG</i>	NM_005037	0.866	-0.013	0.967	-0.028	0.821	0.008	0.656	-0.057	0.671	0.074	0.840	-0.051	0.914	-0.060	0.754	-0.071								
<i>PPARG (2)</i>	NM_138711	0.130	-0.130	0.111	-1.166	0.497	-0.027	0.060	-0.276	0.426	-0.150	0.541	-0.170	0.164	-0.892	0.608	0.130								
<i>CKMT1B</i>	NM_020990	0.144	0.103	0.950	-0.037	0.332	0.032	0.594	0.066	0.189	-0.199	0.659	0.099	0.407	0.428	0.330	-0.199								
<i>HAND2</i>	NM_021973	0.183	-0.109	<b>0.003</b>	-1.999	0.054	-0.072	0.332	-0.136	0.218	0.218	0.959	0.013	<b>0.011</b>	-1.564	0.348	-0.223								
<i>TCF21</i>	NM_198392	0.699	0.034	0.299	0.789	0.098	-0.067	0.111	-0.231	0.396	-0.182	0.523	0.202	0.435	-0.555	<b>0.037</b>	-0.601								
<i>CKMT1A</i>	NM_001015001	0.510	0.039	0.122	0.771	0.930	0.002	0.584	0.059	0.488	-0.091	0.967	0.008	0.157	0.645	0.618	0.093								
<i>AFF3</i>	NM_001025108	0.159	0.118	0.776	-0.203	0.484	0.027	0.450	0.124	<b>0.033</b>	-0.419	0.829	0.064	0.686	-0.261	<b>0.029</b>	0.565								
<i>CD36</i>	NM_001127443	0.603	-0.031	0.047	-0.989	0.264	-0.030	0.113	-0.170	0.358	0.113	0.758	-0.055	0.172	-0.602	0.941	0.012								
<i>FAM25C</i>	NM_001137548	0.989	-0.001	0.661	0.325	0.448	0.032	0.717	-0.059	0.591	-0.122	0.728	-0.114	0.524	-0.423	0.286	0.318								
<i>PHLDB1*</i>	NM_001144759*	0.105	-0.149	0.462	-0.569	0.970	0.002	0.956	0.008	0.488	0.138	0.552	-0.174	0.711	-0.266	0.364	-0.254								
<i>SORBS2</i>	NM_001145671	0.582	0.031	0.749	0.159	0.390	-0.023	0.584	0.055	0.823	0.030	0.509	0.129	0.804	0.122	0.293	-0.192								
<i>SORBS2 (2)</i>	NM_001145672	0.424	0.045	0.363	0.447	0.775	-0.007	0.830	0.021	0.780	-0.035	0.448	0.138	0.465	0.358	0.753	-0.053								
<i>CLDN1</i>	NM_021101	0.638	-0.039	<b>0.029</b>	-1.467	0.622	0.019	0.601	0.077	0.806	0.046	0.534	-0.169	0.430	-0.479	0.564	-0.136								
<i>CASQ2</i>	NM_001232	0.796	-0.015	<b>0.002</b>	1.521	0.838	-0.005	0.933	0.008	0.882	0.019	0.565	0.107	0.420	0.391	0.226	-0.210								
<i>ATP6V1B2</i>	NM_001693	0.298	-0.074	0.716	-0.215	0.273	-0.036	0.914	0.012	0.159	0.208	0.073	0.385	0.994	-0.004	0.190	-0.270								
<i>RUNX1</i>	NM_001754	0.095	0.107	0.959	-0.028	0.945	0.002	0.376	-0.096	0.537	-0.084	0.183	-0.266	0.759	-0.153	0.664	0.080								
<i>ETV6</i>	NM_001987	0.364	-0.078	<b>0.049</b>	-1.423	0.779	-0.011	0.256	-0.168	<b>0.041</b>	0.350	0.916	0.027	0.858	0.116	0.830	-0.049								
<i>SSPN</i>	NM_005086	0.489	-0.071	<b>0.001</b>	-2.812	<b>0.029</b>	-0.105	<b>0.003</b>	-0.505	0.230	0.277	0.075	-0.596	0.505	-0.538	0.564	0.189								
<i>RGS1</i>	NM_002362	0.391	-0.057	0.152	-0.775	0.673	-0.013	0.617	-0.054	0.087	0.233	0.163	0.279	0.194	-0.613	0.928	0.016								
<i>IL18R1*</i>	NM_003855*	0.989	0.001	0.324	-0.678	0.086	-0.066	0.899	0.017	0.308	0.178	0.428	0.200	0.516	-0.353	0.975	0.007								
<i>DSP*</i>	NM_004415*	0.165	0.083	0.837	-0.099	0.476	-0.020	0.821	-0.023	0.659	0.064	0.317	0.202	0.097	-0.692	0.478	-0.130								
<i>SETMAR*</i>	NM_006515*	0.829	-0.007	0.178	0.366	0.775	-0.004	0.948	0.004	0.714	-0.027	0.420	0.086	0.862	0.047	0.470	0.070								
<i>HSD17B8</i>	NM_014234	<b>0.044</b>	-0.162	0.738	0.259	0.669	0.016	0.672	0.075	0.242	0.223	0.614	-0.142	0.806	0.157	0.991	0.003								
<i>TNFRSF21</i>	NM_014452	0.175	-0.122	0.267	-0.904	0.117	-0.066	0.112	-0.288	0.907	0.022	0.506	0.181	0.087	-1.120	0.701	0.091								



<b>EPDR1*</b>	NM_017549*	0.791	0.020	0.705	-0.251	0.647	-0.016	0.956	0.007	0.208	-0.244	0.433	-0.223	0.862	-0.122	0.899	-0.031
<b>DUSP22</b>	NM_020185	0.993	-0.001	0.116	0.835	0.499	0.020	0.621	-0.054	0.281	-0.154	0.808	-0.051	0.225	0.582	0.487	0.143
<b>GPRC5D</b>	NM_018654	0.171	0.112	0.155	0.962	0.334	0.037	0.055	0.246	0.055	-0.318	0.921	-0.024	<b>0.005</b>	1.699	0.555	0.130
<b>TSGA10IP</b>	NM_152762	0.333	-0.054	0.229	-0.621	0.152	-0.037	0.054	-0.187	0.571	-0.074	0.876	0.030	0.831	-0.091	0.681	0.066
<b>GSTMI</b>	NM_000561	0.369	-0.081	0.178	-1.090	0.584	0.023	0.834	0.036	0.376	-0.194	0.481	-0.224	0.956	-0.036	0.941	0.023
<b>SERPINB7</b>	NM_001040147	0.148	-0.109	0.653	-0.295	0.144	-0.052	0.020	-0.285	0.954	0.011	0.130	0.425	0.349	0.587	0.737	-0.083
<b>INPPI*</b>	NM_001128928	0.427	0.078	0.652	-0.368	0.252	0.052	0.996	-0.001	0.264	0.236	0.119	-0.478	0.984	-0.014	0.907	0.031
<b>CCDC125</b>	NM_176816	0.930	0.002	0.203	0.233	0.165	-0.014	0.264	0.040	0.850	0.010	0.176	0.107	0.237	-0.201	0.136	-0.103
<b>GOLGA6L4</b>	NM_001267536	0.722	0.018	0.102	0.648	0.516	-0.015	0.769	0.029	0.838	0.022	0.395	-0.136	0.358	-0.362	0.455	-0.113
<b>G0S2</b>	NM_015714	0.822	0.017	0.231	-0.766	0.327	0.034	0.659	0.061	0.385	-0.153	0.345	-0.244	0.587	-0.408	0.587	0.126

**Supplementary Table 13** shows top candidate genes/transcripts. Transcripts marked with \* have at least one additional transcript delivering identical results (*MEOX1*: NM\_004527; *PHLDB1*: NM\_001144758; *IL18RI*: NM\_001282399; *DSP*: NM\_001008844; *SETMAR*: NM\_001243723, NM\_001276325; *EPDR1*: NM\_001242946; *INPPI*: NM\_002194). Linear regression analyses were adjusted for sex, age, lnBMI and T2D. Phenotypes were measured as following: FPG: mmol/L; FPI: pmol/L; HbA1c: %; oGTT\_2h: mmol/L; HDL-C: mmol/L; LDL-C: mmol/L; FFA: mmol/L; TG: mmol/L. Results are shown as *P*-values (*P*) and effect direction ( $\beta$ ). Nominal significance is defined as  $P < 0.05$ .

Supplementary Table 14. Linear regression analyses for metabolic variables in OVAT

Gene ID	Transcript	FPG			FPI			HbA1c			oGTT_2h			HDL-C			LDL-C			FFA			TG		
		P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$	P	$\beta$		
<i>HGX6</i>	NM_004503	0.217	-0.090	0.443	-0.469	<b>0.009</b>	-0.086	0.903	0.018	0.758	0.059	-0.129	0.645	-0.129	0.396	-0.533	0.134	-0.377							
<i>MEOX1*</i>	NM_013999*	0.937	0.008	0.439	0.623	0.495	-0.030	0.221	0.193	0.841	0.044	-0.136	0.668	-0.136	0.450	0.513	0.059	-0.535							
<i>PPARG</i>	NM_005037	0.462	-0.049	0.947	-0.038	0.284	-0.033	0.308	-0.116	0.751	-0.053	0.082	0.740	0.082	0.690	-0.217	0.250	0.244							
<i>PPARG (2)</i>	NM_138711	0.260	-0.085	0.633	-0.313	0.102	-0.057	<b>0.050</b>	-0.304	0.872	-0.034	-0.262	0.393	-0.262	0.176	-0.955	0.482	0.193							
<i>CKMT1B</i>	NM_020990	0.141	0.105	0.511	0.392	0.866	0.006	0.069	0.235	0.477	-0.108	0.174	0.433	0.174	0.122	0.766	0.471	0.143							
<i>HAND2</i>	NM_021973	<b>0.008</b>	-0.251	0.691	-0.322	<b>0.016</b>	-0.106	0.577	0.094	0.691	-0.079	0.242	0.410	0.242	0.619	-0.365	0.493	-0.189							
<i>TCF21</i>	NM_198392	0.088	-0.145	0.305	0.722	0.205	-0.051	0.521	-0.091	0.935	0.016	0.278	0.335	0.278	0.856	0.114	0.313	-0.276							
<i>CKMT1A</i>	NM_001015001	<b>0.042</b>	0.145	0.386	0.527	0.445	0.026	0.326	0.116	0.889	-0.021	<b>0.027</b>	0.483	0.483	<b>0.040</b>	1.009	0.174	0.270							
<i>AFF3</i>	NM_001025108	<b>0.051</b>	0.183	0.621	0.407	0.426	-0.035	0.929	0.015	0.574	0.116	-0.146	0.619	-0.146	0.211	-0.883	0.265	0.271							
<i>CD36</i>	NM_001127443	0.126	-0.092	0.391	-0.430	0.190	-0.037	0.913	-0.011	0.141	-0.210	0.838	-0.043	0.825	0.114	0.456	0.148								
<i>FAM25C</i>	NM_001137548	0.905	-0.013	0.365	0.807	0.414	0.042	0.172	0.224	0.632	0.110	0.274	0.419	0.326	0.724	0.616	-0.162								
<i>PHLDB1*</i>	NM_001144759*	0.732	-0.030	0.797	0.194	0.874	-0.006	0.079	0.264	0.631	0.092	0.450	0.450	0.211	0.350	0.682	0.390	-0.217							
<i>SORBS2</i>	NM_001145671	0.172	0.088	0.148	0.766	0.112	0.046	0.393	-0.093	0.399	-0.126	0.985	-0.004	0.295	0.488	0.696	0.087								
<i>SORBS2 (2)</i>	NM_001145672	0.559	0.042	0.135	0.863	0.169	0.044	0.394	-0.098	0.698	-0.063	0.439	0.183	0.129	0.782	0.526	0.158								
<i>CLDN1</i>	NM_021101	0.957	-0.005	0.543	0.430	0.479	-0.029	0.899	-0.019	0.498	-0.134	0.809	-0.069	0.662	-0.286	0.402	-0.199								
<i>CASQ2</i>	NM_001232	0.522	0.034	0.850	0.082	0.079	0.042	0.566	-0.054	0.489	-0.085	0.922	-0.018	0.965	-0.019	0.464	0.112								
<i>ATP6V1B2</i>	NM_001693	0.884	0.011	0.500	-0.420	0.451	-0.026	0.546	-0.076	0.210	-0.206	0.468	-0.175	0.158	-0.757	0.577	0.125								
<i>RUNX1</i>	NM_001754	0.275	-0.075	0.394	0.502	0.099	0.053	0.928	-0.011	0.087	-0.259	<b>0.049</b>	0.437	0.836	-0.118	0.160	0.273								
<i>ETV6</i>	NM_001987	0.324	-0.084	0.253	-0.799	0.585	-0.022	0.390	-0.112	0.420	-0.146	0.163	-0.368	0.638	-0.293	0.226	0.265								
<i>SSPN</i>	NM_005086	0.582	-0.050	0.175	1.010	0.710	-0.016	0.198	-0.210	0.367	-0.233	0.850	0.072	<b>0.001</b>	-2.067	0.611	-0.165								
<i>RGS1</i>	NM_002362	0.213	-0.091	0.996	-0.003	<b>0.005</b>	-0.091	0.073	0.259	0.563	0.096	0.794	-0.064	0.441	-0.468	0.090	-0.359								
<i>IL18R1*</i>	NM_003855*	0.454	-0.057	0.887	-0.102	0.064	-0.064	0.248	-0.161	0.724	-0.060	0.143	-0.360	0.210	-0.778	0.265	0.229								
<i>DSP*</i>	NM_004415*	0.421	0.055	0.180	-0.803	0.529	-0.020	0.313	-0.125	0.693	-0.057	0.076	-0.368	0.057	-1.066	0.480	0.146								
<i>SETMAR*</i>	NM_006515*	0.622	0.014	0.649	0.111	0.450	0.010	0.252	-0.062	0.242	-0.080	0.393	-0.086	0.683	-0.094	0.402	0.073								
<i>HSD17B8</i>	NM_014234	0.866	-0.014	0.939	0.056	0.965	0.002	0.882	0.023	0.358	0.196	0.138	-0.462	0.701	0.246	0.369	0.244								
<i>TNFRSF21</i>	NM_014452	0.305	-0.082	0.838	-0.137	0.511	-0.024	0.643	-0.062	0.960	0.010	0.802	-0.072	0.409	-0.516	0.278	-0.280								

<b>EPDR1*</b>	NM_017549*	0.311	0.088	0.779	-0.207	0.665	0.017	0.085	0.245	0.596	0.099	0.748	-0.087	0.250	0.740	0.612	0.121
<b>DUSP22</b>	NM_020185	0.679	0.023	0.685	0.197	0.070	0.046	0.649	-0.042	0.071	-0.232	0.402	-0.157	0.693	0.181	0.145	0.248
<b>GPRC5D</b>	NM_018654	0.085	0.123	0.554	-0.370	0.490	0.023	0.263	-0.138	0.888	0.021	0.327	-0.218	0.434	0.456	0.628	0.100
<b>TSGA10IP</b>	NM_152762	0.881	-0.009	0.333	-0.494	0.962	0.001	0.650	-0.047	0.682	0.056	0.097	-0.330	0.564	0.294	0.626	-0.087
<b>GSTMI</b>	NM_000561	0.114	-0.188	<b>0.037</b>	-2.084	0.110	-0.087	0.268	-0.227	0.552	0.163	0.397	-0.339	0.466	0.659	0.807	-0.089
<b>SERPINB7</b>	NM_001040147	0.326	0.090	0.381	-0.661	0.311	-0.043	0.186	0.192	0.836	0.039	0.485	0.191	0.492	-0.440	0.616	-0.117
<b>INPPI*</b>	NM_001128928	0.416	-0.075	0.952	0.045	0.276	-0.047	0.741	-0.052	0.743	-0.067	0.876	0.047	0.970	0.025	0.668	0.115
<b>CCDC125</b>	NM_176816	0.710	0.010	0.311	0.228	0.396	0.010	<b>0.011</b>	0.128	0.546	-0.034	0.315	0.081	0.659	-0.086	0.060	-0.135
<b>GOLGA6L4</b>	NM_001267536	0.122	0.083	0.926	0.042	0.083	0.042	0.224	0.108	0.975	0.004	0.437	0.137	0.224	0.452	0.386	0.165
<b>G0S2</b>	NM_015714	0.122	0.093	0.812	-0.120	0.916	-0.003	0.440	0.083	0.856	0.023	0.558	0.106	0.768	0.120	0.804	0.039

**Supplementary Table 14** shows top candidate genes/transcripts. Transcripts marked with \* have at least one additional transcript delivering identical results (*MEOX1*: NM\_004527; *PHLDB1*: NM\_001144758; *IL18RI*: NM\_001282399; *DSP*: NM\_001008844; *SETMAR*: NM\_001243723, NM\_001276325; *EPDR1*: NM\_001242946; *INPPI*: NM\_002194). Linear regression analyses were adjusted for sex, age, lnBMI and T2D. Phenotypes were measured as following: FPG: mmol/L; FPI: pmol/L; HbA1c: %; oGTT\_2h: mmol/L; HDL-C: mmol/L; LDL-C: mmol/L; FFA: mmol/L; TG: mmol/L. Results are shown as *P* –values (*P*) and effect direction ( $\beta$ ). Nominal significance is defined as *P*<0.05.

**Supplementary Table 15 Differential methylation of known GWAS hits for BMI**

Gene	SAT vs. OVAT		non-obese vs. obese		additional GWAS	Association	BMI related SNP ( <i>Locke et al.</i> )	Distance to Promoter (bp) (2000 bp < TSS < 200bp)
	in non-obese	in obese	in SAT	in OVAT				
<i>ELAVL4</i>	x	x	x	x	PMID: 23251661	childhood obesity	rs11583200	-12812
<i>TFAP2B</i>	x	x	x	x	PMID: 19557161	Adiposity, Metabolic syndrome	rs2207139	+58849
<i>LINGO2</i>	x	x	x	x	PMID: 23563607	Obesity	rs10968576	-304777
<i>CALCR</i>	x	x	x	x	PMID: 23202124	Birth weight	rs9641123	+6597
<i>BDNF</i>	x	x	x	x	PMID: 19079260	BMI, weight	rs11030104	+1327 (NM_001143816)
<i>UBE2E3</i>	x	x	x	x	PMID: 21552555	Obesity	rs1528435	-292536 (NM_006357)
<i>NLRC3</i>	x						rs758747	within the promoter
<i>SMG6</i>	x	x	x	x	PMID: 19584346	Coronary artery disease	rs9914578	-164184
<i>LRP1B</i>	x	x	x	x	PMID: 25189868	Blood pressure (smoking interaction)	rs2121279	+152014
<i>EHBPI</i>	x	x	x	x	PMID: 24097068	LDL-Cholesterol	rs11688816	+118824
<i>TCF7L2</i>	x	x	x	x	PMID: 21873549	Proinsulin levels	rs7903146	+48155
<i>MC4R</i>	x	x	x	x	PMID: 18454148	BMI	rs6567160	-210698
<i>GNAI2</i>	x	x	x	x	PMID: 23563607	Obesity	rs17024393	-845
<i>POC5</i>	x	x	x	x	PMID: 23563607	Obesity	rs2112347	+4958
<i>CREB1</i>	x	x	x	x	PMID: 24962563	Food antigen IgG levels	rs17203016	-137119
<i>ERBB4</i>	x	x	x	x	PMID: 25133637	Body mass index (change over time)	rs7599312	+7875
<i>MTCH2</i>	x	x	x	x	PMID: 20935630	BMI	rs3817334	-13020
<i>GRDI</i>	x	x	x	x	PMID: 19584346	Cardiac structure and function	rs7899106	-705141
<i>CBLN1</i>	x	x	x	x			rs2080454	-252968
<i>FUBP1</i>	x	x	x	x			rs12401738	within the promoter
<i>DMXL2</i>	x	x	x	x	PMID: 20159242	Asthma	rs3736485	-166177
<i>SEC16B</i>	x	x	x	x	PMID: 23669352	BMI	rs543874	-49375
<i>SCARB2</i>	x	x	x	x			rs17001654	-5310
<i>FOXO3</i>	x	x	x	x	PMID: 23251661	Obesity related traits	rs9400239	+96421

<i>RALYL</i>	x	PMID: 20445134	Heart failure	rs2033732	-15417
<i>HIF1AN</i>	x	PMID: 23362303	Palmitoleic acid plasma levels	rs17094222	+99587
Diff. methyl. GWAS Hits (N)	10	6	11	13	

**Supplementary Table 15** summarizes known GWAS hits for BMI (Locke et al., 2015) which are differentially methylated between SAT vs. OVAT and non-obese vs. obese analyses. Additional GWAS studies showing associations were extracted from GWAS catalogue (Welter et al., 2014). Distances between the GWAS SNPs (Locke et al.) and the analyzed promoter region were calculated using HG 19 in the Wash U Epigenome Browser (<http://epigenomegateway.wustl.edu>). In the case of multiple available transcripts we choose the closest and indicate the NM-number in brackets.

Supplementary Table 16 Differential methylation of known GWAS hits for fat distribution

Gene ID	SAT vs. OVAT		non-obese vs. obese		additional GWAS	Association	WHR related SNP ( <i>Shungin et al.</i> )	Distance to Promoter (2000 bp < TSS > 200bp)
	in non-obese	in obese	in SAT	in OVAT				
<i>GPC6</i>	x		x		PMID: 22044751	Renal sinus fat	rs319564	-44232
<i>SSPN</i>	x		x		PMID: 20935629	Waist-hip ratio	rs10842707	+122659 (NM_005086)
<i>HOXC12</i>	x		x		PMID: 20935629	Waist-hip ratio	rs10783615	+861
<i>HOXA11</i>	x				PMID: 23128233	Ulcerative colitis	rs7801581	-884
<i>GMDS</i>	x	x			PMID: 23251661	Obesity-related traits	rs722585	-400332
<i>PTPDC1</i>	x	x			PMID: 20881960	Height	rs2398893	-86392
<i>NLRP3</i>	x				PMID: 21300955	C-reactive protein levels	rs10925060	+69587
<i>TBX15</i>	x				PMID: 20935629	Waist-hip ratio	rs2645294	+40431
<i>GDF5</i>	x		x		PMID: 20189936	Height	rs224333	-1874
<i>PPARG</i>	x	x			PMID: 22581228	Fasting insulin-related traits (interaction with BMI)	rs17819328	+159778
<i>KLF13</i>	x			x			rs8042543	+88984
<i>HOXC6</i>	x	x		x	PMID: 22504420	Bone mineral density	rs2071449 (HOXC4-HOXC6)	+5616
<i>SPAG17</i>		x			PMID: 25429064	Height	rs12731372	+123796
<i>KCNJ2</i>		x			PMID: 22342860	Cardiac repolarization	rs8066985	+287478
<i>BTNL2</i>		x		x			rs7759742	+4816
<i>CPEB4</i>		x		x	PMID: 23251661	Obesity-related traits	rs7705502	+5291
<i>DCST2</i>		x			PMID: 25281659	Infant length	rs905938	-14670
<i>PIGC</i>			x	x	PMID: 20935629	Waist-hip ratio	rs714515	-60058
<i>CCDC92</i>			x		PMID: 20686565	Triglycerides; HDL cholesterol	rs4765219	-16926
<i>ADAMTS9</i>			x		PMID: 20935629	Waist-hip ratio	rs2371767	+42913
<i>MAP3K1</i>			x	x	PMID: 23209189	Type 2 diabetes	rs9687846	-247010
<i>CEBPA</i>			x	x	PMID: 23128233	Inflammatory bowel disease	rs4081724	+29517
<i>FGFR4</i>			x		PMID: 22703881	Height	rs6556301	+10825
<i>WARS2</i>			x	x	PMID: 20935629	Waist-hip ratio	rs2645294	-110733

Diff. methyl. GWAS Hits (N)	12	9	8	10
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**Supplementary Table 16** summarizes known GWAS hits for WHR (Shungin et al., 2015) which are differentially methylated between SAT vs. OVAT and non-obese vs. obese analyses. Additional GWAS studies showing associations were extracted from GWAS catalogue (Welter et al., 2014). Distances between the GWAS SNPs (Locke et al.) and the analyzed promoter region were calculated using HG 19 in the Wash U Epigenome Browser (<http://epigenomegateway.wustl.edu>). In the case of multiple available transcripts we choose the closest and indicate the NM-number in brackets.

**Supplementary Table 17. Differential methylation of imprinted genes**

Imprinted Genes	SAT vs. OVAT		non-obese vs. obese		Status	POI		
	ID	chromosomal position	in non-obese	in obese			in SAT	in OVAT
<i>NDN</i>	15q11.2-q12	x			x	x	Imprinted	Paternal
<i>HOXA11</i>	7p15-p14	x					Predicted	Maternal
<i>MAGEL2</i>	15q11-q12	x				x	Imprinted	Paternal
<i>NPAP1</i>	15q11-q13	x			x	x	Imprinted	Unknown
<i>MKRN3</i>	15q11-q13	x				x	Imprinted	Paternal
<i>HOXA2</i>	7p15-p14	x			x	x	Predicted	Maternal
<i>LILRB4</i>	19q13.4	x				x	Predicted	Maternal
<i>SLC38A4</i>	12q13	x	x				Unknown	Unknown
<i>CDH18</i>	5p15.2-p15.1	x	x			x	Predicted	Paternal
<i>PRIM2</i>	6p12-p11.1	x					Conflicting Data	Biallelic
<i>ZNF229</i>	19q13.31	x					Predicted	Maternal
<i>SDHD</i>	11q23	x	x	x	x	x	Conflicting Data	Paternal
<i>SGK2</i>	20q13.2	x				x	Imprinted	Paternal
<i>ACD</i>	16q22.1	x					Predicted	Maternal
<i>SLC22A18</i>	11p15.5	x				x	Imprinted	Maternal
<i>BLCAP</i>	20q11.2-q12	x			x	x	Imprinted	Isoform Dependent
<i>DLGAP2</i>	8p23	x	x	x	x	x	Imprinted	Paternal
<i>GRB10</i>	7p12-p11.2	x					Imprinted	Isoform Dependent
<i>CALCR</i>	7q21.3	x			X	x	Provisional Data	Maternal
<i>CD81</i>	11p15.5	x					Not Imprinted	Biallelic
<i>DLK1</i>	14q32	x				x	Imprinted	Paternal
<i>ZIC1</i>	3q24	x					Predicted	Maternal
<i>HOXA3</i>	7p15-p14		x	x			Predicted	Maternal
<i>DCN</i>	12q21.33		x				Unknown	Unknown
<i>ALDH1L1</i>	3q21.3		x				Predicted	Maternal
<i>CTNNA3</i>	10q22.2		x				Provisional Data	Maternal
<i>BTNL2</i>	6p21.3		x	x			Predicted	Maternal
<i>HSPA6</i>	1q23		x	x	x	x	Predicted	Maternal
<i>AMPD3</i>	11p15		x				Not Imprinted	Biallelic
<i>HOXC4</i>	12q13.3		x				Predicted	Maternal
<i>PPP1R9A</i>	7q21.3		x	x	x	x	Imprinted	Maternal
<i>UBE3A</i>	15q11-q13		x	x			Imprinted	Maternal
<i>SLC26A10</i>	12q13		x				Predicted	Maternal
<i>LIN28B</i>	6q21		x				Imprinted	Paternal
<i>HOXA4</i>	7p15-p14			x	x		Predicted	Maternal
<i>EGFL7</i>	9q34.3			x			Predicted	Paternal
<i>RTL1</i>	14q32.31			x	x		Imprinted	Paternal
<i>HOXB3</i>	17q21.3			x	x		Predicted	Maternal
<i>GNAS</i>	20q13.3			x			Imprinted	Isoform Dependent
<i>GPT</i>	8q24.3			x			Predicted	Maternal
<i>INS</i>	11p15.5			x			Imprinted	Paternal
<i>MEST</i>	7q32			x	x		Imprinted	Paternal
<i>MZF1</i>	19q13.4			x	x		Predicted	Maternal



<i>LDB1</i>	10q24-q25	x	x	Predicted	Maternal
<i>KCNQ1</i>	11p15.5	x		Imprinted	Maternal
<i>TCEB3C</i>	18q21.1	x		Imprinted	Maternal
<i>PEG3</i>	19q13.4	x		Imprinted	Paternal
<i>ZIM2</i>	19q13.4	x		Imprinted	Paternal
<i>DDC</i>	7p12.2	x		Imprinted	Isoform Dependent
<i>NNAT</i>	20q11.2-q12	x	x	Imprinted	Paternal
<i>SFMBT2</i>	10p14	x	x	Not Imprinted	Biallelic
<i>MIMT1</i>	19q13.4	x	x	Imprinted	Paternal
<i>TMEM60</i>	7q11.23	x		Predicted	Paternal
<i>C9orf116</i>	9q34.3	x		Predicted	Paternal
<i>PURG</i>	8p11	x		Predicted	Paternal
<i>IGF2</i>	11p15.5	x	x	Imprinted	Paternal
<i>MAGI2</i>	7q21	x	x	Imprinted	Maternal
<i>FOXF1</i>	16q24	x		Predicted	Maternal
<i>FERMT2</i>	14q22.1	x		Predicted	Paternal
<i>MEG3</i>	14q32		x	Imprinted	Maternal
<i>NTM</i>	11q25		x	Imprinted	Maternal
<i>TSPAN32</i>	11p15.5		x	Not Imprinted	Biallelic
<i>GABRA5</i>	15q11.2-q12		x	Conflicting Data	Paternal
<i>KBTBD3</i>	11q22.3		x	Predicted	Paternal
<i>FOXG1</i>	14q13		x	Predicted	Paternal
<i>SLC4A2</i>	7q35-q36		x	Predicted	Maternal
<i>GATA3</i>	10p15		x	Predicted	Paternal
<i>HIST3H2BB</i>	1q42.13		x	Predicted	Maternal
<b><i>N</i> (imprinted genes)</b>	<b>22</b>	<b>16</b>	<b>37</b>	<b>37</b>	

**Supplementary Table 17.** Differentially methylated genes were mapped against a catalogue of known imprinted loci (<http://www.geneimprint.org/>). POI=parent of origin effect

**Supplementary Table 18. Differential methylation of genes encoding regulators of epigenetic mechanisms**

Gene ID	SAT vs. OVAT		non-obese vs. obese		Function
	in non-obese	in obese	in SAT	in OVAT	
<i>ALKBH8</i>	x				alkB, alkylation repair homolog 8 (E. coli)
<i>KDM5A</i>	x			x	lysine (K)-specific demethylase 5A
<i>SUV39H1</i>	x				suppressor of variegation 3-9 homolog 1 (Drosophila)
<i>BHMT</i>	x			x	betaine-homocysteine methyltransferase
<i>SETMAR</i>	x		x	x	SET domain and mariner transposase fusion gene
<i>HIST1H2APS1</i>		x	x	x	histone cluster 1, H2a, pseudogene 1
<i>MBD1</i>		x	x		methyl-CpG binding domain protein 1
<i>PNMT</i>		x			phenylethanolamine N-methyltransferase
<i>KDM5D</i>		x			lysine (K)-specific demethylase 5D
<i>KDM5B</i>		x			similar to Jumonji, AT rich interactive domain 1B (RBP2-like); lysine (K)-specific demethylase 5B
<i>HDAC7</i>		x	x		histone deacetylase 7
<i>HIST1H2BA</i>		x	x	x	histone cluster 1, H2ba
<i>PHF8</i>		x	x	x	PHD finger protein 8
<i>HNMT</i>			x	x	histamine N-methyltransferase
<i>HIST1H3E</i>			x		histone cluster 1, H3e
<i>HIST1H2AA</i>			x	x	histone cluster 1, H2aa
<i>KDM3A</i>			x	x	lysine (K)-specific demethylase 3A
<i>HDAC2</i>			x		histone deacetylase 2
<i>ALKBH6</i>			x	x	alkB, alkylation repair homolog 6 (E. coli)
<i>HDAC4</i>			x		histone deacetylase 4
<i>MTHFS</i>			x	x	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)
<i>MECP2</i>				x	methyl CpG binding protein 2 (Rett syndrome)
<i>COMT</i>				x	catechol-O-methyltransferase
<i>JARID2</i>				x	jumonji, AT rich interactive domain 2
<b>N:</b>	<b>5</b>	<b>8</b>	<b>14</b>	<b>14</b>	

**Supplementary Table 18.** Summary of genes encoding regulators of epigenetic mechanisms, which are differentially methylated. Gene function was analyzed using DAVID (Huang et al., 2009).

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