

Table S2 Differentially expressed mRNAs

Transcript id	Gene name	Locus	Length	Log2FC	P value
ENST00000523323	<i>ITGB2</i>	21:44885956–44920875	2,823	12.01445	8.85E–07
ENST00000490232	<i>RN7SL2</i>	14:49862550–49862849	300	11.85226	4.65E–10
ENST00000381196	<i>PTPRD</i>	9:8314246–10033790	9,911	11.7075	0.00019
ENST00000355946	<i>SH3PXD2A</i>	10:103594029–103855406	11,245	11.38648	6.74E–05
ENST00000427697	<i>C1orf198</i>	1:230837120–230869316	3,666	10.54125	2.03E–05
ENST00000534769	<i>CFL1</i>	11:65855241–65861421	758	10.31256	0.000426
ENST00000427335	<i>P3H2</i>	3:189956831–190122437	2,963	10.07099	0.00111
ENST00000405570	<i>CTNNB1</i>	3:41194910–41239353	2,513	9.719287	2.16E–05
ENST00000368258	<i>CCT3</i>	1:156308969–156338263	1,885	9.635321	0.00028
ENST00000533455	<i>CTSB</i>	8:11844355–11868106	2,009	9.237964	2.63E–05
ENST00000316045	<i>ZNF518A</i>	10:96129715–96162742	7,277	9.22182	4.36E–05
ENST00000493991	<i>COL2A1</i>	12:47973201–47988471	3,756	9.184104	0.000138
ENST00000580170	<i>PTPRM</i>	18:7566782–8406668	5,941	9.112533	0.000256
ENST00000381831	<i>GART</i>	21:33503931–33542842	3,490	8.828805	0.000752
ENST00000405454	<i>FAM102B</i>	1:108560089–108644900	1,585	8.703408	1.03E–05
ENST00000357337	<i>MYCBP2</i>	13:77044658–77327044	14,736	8.467499	0.000955
ENST00000607833	<i>BRD2</i>	6:32972217–32978203	2,338	8.223561	2.16E–06
ENST00000577894	<i>EVI2B</i>	17:31304234–31314105	1,597	8.210061	7.41E–06
ENST00000194097	<i>NAIP</i>	5:70968483–71020910	6,088	8.134115	0.000257
ENST00000400721	<i>ARHGDI1A</i>	17:81867897–81871376	1,568	8.110525	0.000682
ENST00000536364	<i>BTBD6</i>	14:105248490–105251084	1,973	8.036583	0.000158
ENST00000492243	<i>PLD3</i>	19:40366880–40371818	710	8.003917	0.00117
ENST00000397425	<i>NFS1</i>	20:35668983–35699349	1,956	8.002586	9.00E–09
ENST00000376922	<i>ARHGAP27</i>	17:45393909–45425631	3,628	7.742405	0.000126
ENST00000584558	<i>ITGB4</i>	17:75724704–75742657	2,895	7.728579	0.000825
ENST00000574444	<i>CIQBP</i>	17:5432801–5438778	901	7.622546	0.000722
ENST00000374155	<i>RUFY4</i>	2:218069255–218090580	2,977	7.571067	0.001251

ENST00000486484	<i>MBOAT2</i>	2:8860695–9003658	1,351	7.521102	6.16E–05
ENST00000356331	<i>SH3BP2</i>	4:2818814–2841098	9,211	7.386636	0.000356
ENST00000621086	<i>TNN</i>	1:175077419–175147936	4,234	7.310825	2.20E–05
ENST00000442892	<i>SLC48A1</i>	12:47771587–47782751	1,024	7.191173	6.70E–05
ENST00000514251	<i>ZBTB38</i>	3:141387812–141449792	7,683	7.16973	0.000115
ENST00000412414	<i>KLF7</i>	2:207074137–207134137	7,954	7.117806	8.74E–05
ENST00000514182	<i>CSRNPI</i>	3:39142338–39154562	2,593	7.088392	7.89E–06
ENST00000615219	<i>NBPF26</i>	1:120805418–120840619	2,051	7.083074	0.005385
ENST00000340480	<i>HIPK1</i>	1:113951145–113977804	6,997	7.063267	3.74E–05
ENST00000409949	<i>EXD2</i>	14:69191766–69241517	2,688	6.997445	0.001359
ENST00000324684	<i>PRPSAPI</i>	17:76310934–76354198	1,678	6.963991	0.001252
ENST00000458177	<i>KRIT1</i>	7:92235403–92246059	1,472	6.881866	0.001464
ENST00000607204	<i>ZNF322</i>	6:26634393–26659752	4,737	6.846809	0.006627
ENST00000434417	<i>ZNF771</i>	16:30407414–30418594	1,454	6.839786	0.000211
ENST00000308108	<i>CCNE2</i>	8:94880227–94895254	2,724	6.748706	0.000493
ENST00000540109	<i>PTPRD</i>	9:8317277–8733949	6,210	6.729572	0.003913
ENST00000460185	<i>HLA-DQB1</i>	6:32659886–32660440	428	6.705597	0.000416
ENST00000535237	<i>GOPC</i>	6:117560272–117602542	4,460	6.698594	3.13E–06
ENST00000637633	<i>AGPS</i>	2:177420269–177559299	2,143	6.694422	0.004351
ENST00000372544	<i>CXorf57</i>	X:106611930–106679437	3,607	6.691024	4.27E–05
ENST00000446879	<i>TM4SF19</i>	3:196319342–196338388	1,582	6.66051	0.000931
ENST00000578295	<i>ATAD5</i>	17:30831970–30876439	4,051	6.576808	0.000262
ENST00000356688	<i>SEPT10</i>	2:109542982–109614143	3,091	6.55625	0.005918
ENST00000417379	<i>AATK</i>	17:81117304–81131948	5,081	6.548468	0.001083
ENST00000543588	<i>ZSCAN21</i>	7:100049799–100065037	1,870	6.44729	1.08E–05
ENST00000421306	<i>PITPNM3</i>	17:6451264–6556460	6,945	6.42304	0.002347
ENST00000454715	<i>TM4SF19</i>	3:196323549–196338503	1,061	6.41729	0.000526
ENST00000414725	<i>MICAL3</i>	22:17839951–17906812	4,756	6.414651	0.007889
ENST00000449538	<i>HIST1H2BN</i>	6:27838545–27852204	715	6.41375	8.05E–05

ENST00000474996	<i>COL2A1</i>	12:47997615–48004449	760	6.410537	0.001482
ENST00000284648	<i>OSCAR</i>	19:54094670–54102692	2,055	6.409143	0.002696
ENST00000538536	<i>STARD10</i>	11:72754839–72793643	1,678	6.407122	0.003843
ENST00000616669	<i>KCP</i>	7:128889947–128903352	2,248	6.38633	0.000145
ENST00000409057	<i>PBRM1</i>	3:52547991–52679714	4,980	6.383065	0.000156
ENST00000335539	<i>PLA2G6</i>	22:38111496–38181754	3,060	6.347523	0.000868
ENST00000256425	<i>MRO</i>	18:50795120–50825384	5,166	6.317394	0.001175
ENST00000620915	<i>CANT1</i>	17:78991717–78998293	3,337	6.215063	0.00023
ENST00000599748	<i>SPHK2</i>	19:48624952–48630405	2,683	6.200334	2.27E–05
ENST00000370007	<i>NOLCI</i>	10:102152415–102163870	3,727	6.194031	0.000318
ENST00000521089	<i>WWC1</i>	5:168292150–168469216	3,562	6.18459	0.00183
ENST00000572485	<i>SLC2A4</i>	17:7281735–7287833	2,995	6.174222	0.000691
ENST00000509334	<i>SPP1</i>	4:87975714–87981761	760	6.169183	0.007224
ENST00000344720	<i>AK5</i>	1:77282602–77559962	3,929	6.121631	6.24E–05
ENST00000451119	<i>ZNF219</i>	14:21090082–21104722	2,918	6.064538	0.00034
ENST00000536003	<i>PAAF1</i>	11:73876997–73927728	1,639	6.023078	2.41E–05
ENST00000393088	<i>SERPINA1</i>	14:94378376–94390693	1,885	6.020562	0.00189
ENST00000447964	<i>TOR1AIP1</i>	1:179903966–179918171	888	5.95837	0.000696
ENST00000371877	<i>STIL</i>	1:47250142–47314140	5,009	5.937633	9.28E–05
ENST00000392507	<i>OSBPL7</i>	17:47807373–47821834	3,349	5.921455	0.002798
ENST00000392038	<i>AKT2</i>	19:40230317–40285395	5,300	5.864359	0.000155
ENST00000432680	<i>MAMLD1</i>	X:150363419–150513125	3,224	5.852769	0.000446
ENST00000639541	<i>ST3GAL5</i>	2:85839206–85888997	2,967	5.847223	0.002781
ENST00000585841	<i>LASP1</i>	17:38870031–38919326	1,408	5.834109	0.001342
ENST00000538532	<i>RCAN3</i>	1:24502351–24537019	2,640	5.799368	0.000141
ENST00000593178	<i>SIGLEC15</i>	18:45838522–45844080	2,580	5.798831	6.91E–05
ENST00000571244	<i>MMP12</i>	11:102862736–102875034	1,874	5.763437	0.001265
ENST00000355997	<i>SEMA6D</i>	15:47718489–47774222	5,908	5.748479	0.001351
ENST00000285393	<i>ATP6V0D2</i>	8:86098837–86154228	2,446	5.744421	0.000405

ENST00000563778	<i>CORO1A</i>	16:30182827–30187494	937	5.712935	0.002904
ENST00000564991	<i>NOMO2</i>	16:18417337–18562074	3,765	5.709084	0.004671
ENST00000546172	<i>NDUFS7</i>	19:1383918–1395584	869	5.672063	1.46E–05
ENST00000525449	<i>C11orf80</i>	11:66748394–66843324	1,821	5.657622	0.000133
ENST00000542783	<i>TIPARP</i>	3:156676664–156706766	3,681	5.646679	0.000384
ENST00000610712	<i>ZSCAN30</i>	18:35251058–35290245	3,439	5.639374	0.001928
ENST00000345813	<i>ZNF274</i>	19:58183087–58213554	2,678	5.63742	0.002088
ENST00000567066	<i>TGFB111</i>	16:31472030–31477600	1,453	5.624064	0.005547
ENST00000374708	<i>COL11A2</i>	6:33162681–33192499	6,209	5.615615	0.000493
ENST00000368128	<i>EPB41L2</i>	6:130839352–131063318	4,456	5.613381	0.001569
ENST00000368734	<i>TRAF3IP2</i>	6:111559019–111567121	849	5.610606	8.05E–05
ENST00000637221	<i>KIAA1107</i>	1:92168858–92184723	4,337	5.593615	0.000849
ENST00000400382	<i>GGT1</i>	22:24603201–24629002	2,628	5.578721	0.000647
ENST00000397850	<i>ITGB2</i>	21:44885953–44928873	3,178	5.575809	0.008068
ENST00000543669	<i>FHL1</i>	X:136169296–136211349	2,878	5.575294	2.77E–06
ENST00000571629	<i>AKAP1</i>	17:57085714–57120375	3,105	5.574007	0.008877
ENST00000486561	<i>CHI3L2</i>	1:111227068–111235763	914	5.570047	0.00124
ENST00000402956	<i>DGKA</i>	12:55932058–55954027	2,582	5.56505	0.002838
ENST00000552240	<i>PRICKLE1</i>	12:42459280–42483995	3,311	5.537116	0.001326
ENST00000360906	<i>NLRC4</i>	2:32224453–32265732	3,359	5.529189	0.000502
ENST00000429411	<i>HPS4</i>	22:26452083–26479448	3,492	5.503618	0.000398
ENST00000443668	<i>GUCY1A3</i>	4:155667104–155732347	4,352	5.496609	0.005598
ENST00000344041	<i>RAPGEF5</i>	7:22118291–22356914	6,621	5.469242	5.56E–06
ENST00000597298	<i>GPR108</i>	19:6733190–6737317	765	5.451838	0.005692
ENST00000519419	<i>PTK2</i>	8:140658630–140954835	4,439	5.447116	0.000865
ENST00000616447	<i>OSCAR</i>	19:54094670–54100792	1,358	5.446465	0.00071
ENST00000529197	<i>TMEM126B</i>	11:85628605–85636510	1,149	5.438052	0.000768
ENST00000413695	<i>TBCCD1</i>	3:186556590–186570543	1,158	5.430138	0.006591
ENST00000539225	<i>TJP2</i>	9:69205162–69254546	3,838	5.427262	0.007411

ENST00000618918	<i>BTBD3</i>	20:11892493–11926590	4,486	5.425173	0.000497
ENST00000613943	<i>SMARCD2</i>	17:63832081–63842674	2,342	5.360281	0.006484
ENST00000588750	<i>APOC1</i>	19:44914247–44919342	689	5.345137	0.001344
ENST00000494550	<i>RGL2</i>	6:33295806–33297993	1,027	5.343973	0.003246
ENST00000422769	<i>PPP2R5E</i>	14:63373892–63508238	3,478	5.341985	0.000332
ENST00000492843	<i>PRKAG2</i>	7:151556161–151736314	2,699	5.322452	0.004493
ENST00000322146	<i>ZNF836</i>	19:52154872–52160648	2,811	5.306957	0.000128
ENST00000409078	<i>CLASP1</i>	2:121337776–121649587	8,002	5.296641	0.000904
ENST00000376250	<i>GGACT</i>	13:100530183–100583997	2,804	5.269521	0.002008
ENST00000273695	<i>TM4SF19</i>	3:196323551–196338388	1,022	5.251935	0.001755
ENST00000557135	<i>WARS</i>	14:100334479–100375347	2,080	5.246096	0.001412
ENST00000348925	<i>ALDH5A1</i>	6:24494969–24534303	2,266	5.240881	0.00093
ENST00000535335	<i>KLF11</i>	2:10044245–10054836	4,033	5.23506	0.002573
ENST00000308811	<i>ZNF596</i>	8:232200–247342	2,783	5.21659	0.004068
ENST00000523149	<i>EXTL3</i>	8:28622729–28750903	1,779	5.183621	0.002028
ENST00000402285	<i>RPS27A</i>	2:55231903–55235588	705	5.172495	0.005517
ENST00000360804	<i>SPP1</i>	4:87975714–87983127	1,196	5.170388	0.00081
ENST00000467909	<i>SLC44A3</i>	1:94820621–94895053	2,061	5.168243	0.000198
ENST00000322941	<i>HIC1</i>	17:2056310–2059686	3,053	5.130593	0.001682
ENST00000438241	<i>CIQA</i>	1:22636762–22639331	768	5.12072	0.003199
ENST00000410031	<i>TBC1D14</i>	4:6954220–7033114	4,201	5.117534	0.003585
ENST00000328767	<i>TMTC4</i>	13:100604871–100674774	2,101	5.11386	0.001711
ENST00000418919	<i>GNS</i>	12:64713445–64752871	4,877	5.094038	0.000684
ENST00000357582	<i>MAP3K6</i>	1:27355391–27366866	4,136	5.067045	0.001436
ENST00000586513	<i>EIF3K</i>	19:38619196–38628568	493	5.063959	0.000738
ENST00000637953	<i>STXBPI</i>	9:127612222–127692735	3,925	5.062068	0.000648
ENST00000622018	<i>HPCAL1</i>	2:10330163–10427616	1,535	5.059071	0.00113
ENST00000458173	<i>TACC3</i>	4:1723110–1728066	778	5.057167	0.003479
ENST00000298542	<i>FRMD7</i>	X:132076995–132128020	3,198	5.048205	0.002509

ENST00000635047	<i>SEPT7</i>	7:35801219–35879940	760	5.047606	0.000684
ENST00000540562	<i>INO80E</i>	16:29996274–30005790	3,064	5.038626	0.001711
ENST00000396097	<i>LPIN1</i>	2:11724334–11827405	5,690	5.016907	0.000925
ENST00000407598	<i>HIC2</i>	22:21420636–21449434	4,734	5.016274	0.001715
ENST00000493963	<i>SLC25A16</i>	10:68483475–68527438	1,121	5.012152	0.00129
ENST00000269300	<i>PIK3R5</i>	17:8878911–8965703	4,317	4.994702	0.007139
ENST00000301382	<i>HSD11B1L</i>	19:5681024–5688522	1,457	4.991544	0.00734
ENST00000397632	<i>SIGIRR</i>	11:405716–417325	1,598	4.973137	0.003522
ENST00000614646	<i>STON2</i>	14:81261782–81398583	2,964	4.969403	0.009242
ENST00000297512	<i>ASIC3</i>	7:151048886–151052754	1,718	4.961371	0.00332
ENST00000379730	<i>IQGAP2</i>	5:76547409–76708130	5,442	4.955633	0.006369
ENST00000448921	<i>SERPINA1</i>	14:94376747–94390692	3,532	4.953452	0.003184
ENST00000590097	<i>PKN1</i>	19:14433493–14450461	848	4.953155	0.001477
ENST00000474012	<i>POC1A</i>	3:52075454–52154404	1,760	4.951932	0.002443
ENST00000539317	<i>SMAP2</i>	1:40396800–40423324	2,501	4.948044	0.000514
ENST00000372811	<i>MFSD2A</i>	1:39955130–39969966	2,154	4.938625	0.004002
ENST00000623287	<i>ADSL</i>	22:40346530–40361577	856	4.937442	0.00061
ENST00000219919	<i>AQP9</i>	15:58138196–58185911	3,034	4.926244	0.000365
ENST00000343687	<i>ABCG1</i>	21:42219821–42297244	3,037	4.922355	4.14E–05
ENST00000415933	<i>PPIA</i>	7:44796682–44801624	863	4.919804	9.23E–06
ENST00000318631	<i>MAP6D1</i>	3:183815876–183825578	2,111	4.906634	0.000105
ENST00000611869	<i>TCF3</i>	19:1609293–1650278	4,409	4.889163	0.000123
ENST00000457527	<i>HARS</i>	5:140673904–140691377	1,896	4.888135	0.000956
ENST00000505554	<i>PARP8</i>	5:50667557–50843374	3,825	4.875845	0.000802
ENST00000538711	<i>DAG1</i>	3:49470132–49535618	5,582	4.869819	0.004315
ENST00000470609	<i>MYCBPAP</i>	17:50508425–50522666	2,092	4.866971	0.003079
ENST00000635214	<i>PATJ</i>	1:61742477–62114250	4,863	4.853735	0.001002
ENST00000447398	<i>OGDH</i>	7:44606591–44708278	3,474	4.852449	0.000157
ENST00000257861	<i>AVIL</i>	12:57797882–57816471	2,891	4.824204	0.001025

ENST00000360529	<i>KIF21B</i>	1:200972990–201023408	5,389	4.820391	0.004862
ENST00000465475	<i>SLC12A8</i>	3:125083143–125123599	1,949	4.812545	0.002884
ENST00000491456	<i>CYP11B1</i>	2:38066973–38070697	289	4.793778	0.002748
ENST00000611156	<i>ABO</i>	9:133255176–133275214	1,577	4.790032	0.009259
ENST00000638524	<i>KCTD7</i>	7:66629070–66643016	3,747	4.789818	0.004109
ENST00000436527	<i>SPN</i>	16:29663219–29664793	1,197	4.784937	0.00159
ENST00000404814	<i>SERPINA1</i>	14:94378389–94390662	1,628	4.777517	0.003802
ENST00000418961	<i>MFF</i>	2:227325451–227330845	720	4.77691	0.00333
ENST00000640093	<i>KCNMA1</i>	10:76877869–77637447	3,434	4.767083	0.005733
ENST00000371160	<i>STAG2</i>	X:123961314–124102656	6,045	4.76243	0.001518
ENST00000372330	<i>MMP9</i>	20:46008908–46016561	2,336	4.714623	0.000346
ENST00000431044	<i>SEPT5</i>	22:19718469–19724772	3,173	4.714299	0.000368
ENST00000616317	<i>ACACA</i>	17:37084988–37406780	9,961	4.713617	0.000201
ENST00000594234	<i>MZF1</i>	19:58561932–58573298	2,385	4.695609	0.002288
ENST00000425705	<i>DMTF1</i>	7:87163220–87179599	980	4.69216	0.000187
ENST00000397890	<i>CRMP1</i>	4:5820783–5888481	2,911	4.685888	0.001041
ENST00000317151	<i>SLC4A3</i>	2:219627661–219641980	4,069	4.681733	0.00708
ENST00000286758	<i>CXCL13</i>	4:77511753–77611834	1,203	4.677719	0.005239
ENST00000461735	<i>SLC4A2</i>	7:151062634–151076523	4,387	4.673873	0.00025
ENST00000614857	<i>SPP1</i>	4:87975650–87983410	1,558	4.656465	0.000669
ENST00000614785	<i>NBPF11</i>	1:148102046–148127003	4,343	4.650685	0.000237
ENST00000345506	<i>STAT5A</i>	17:42287547–42311943	4,301	4.64987	0.002514
ENST00000410007	<i>PBRM1</i>	3:52547991–52679714	4,905	4.647721	0.001756
ENST00000372573	<i>FOXJ3</i>	1:42176539–42335877	5,309	4.631767	0.00767
ENST00000436109	<i>TJAP1</i>	6:43477523–43506556	2,572	4.630982	0.00324
ENST00000585568	<i>ZNF230</i>	19:44002976–44013849	4,085	4.618424	0.002549
ENST00000357970	<i>BINI</i>	2:127048027–127107288	2,497	4.613257	0.00678
ENST00000413580	<i>PHOSPHO1</i>	17:49223370–49230766	2,173	4.611497	0.000256
ENST00000636006	<i>KIAA1211</i>	4:56049847–56314663	1,662	4.611125	0.007242

ENST00000483405	<i>ASPHD1</i>	16:29900379–29906056	1,115	4.609587	0.002548
ENST00000360284	<i>NR4A1</i>	12:52022832–52059506	2,589	4.600956	0.009128
ENST00000361302	<i>AGL</i>	1:99850975–99924020	7,179	4.575002	0.007973
ENST00000335648	<i>ZNF436-AS1</i>	1:23369236–23371782	2,547	4.565035	6.57E–05
ENST00000606248	<i>MED16</i>	19:867964–893216	3,181	4.564727	0.007302
ENST00000561718	<i>RNPS1</i>	16:2253139–2268066	1,806	4.54413	0.000824
ENST00000543813	<i>CHSY1</i>	15:101177101–101188061	1,949	4.529716	0.0007
ENST00000543927	<i>SCO2</i>	22:50523568–50526439	1,051	4.524048	0.002011
ENST00000392194	<i>MAP2</i>	2:209580041–209734118	5,303	4.502954	0.002059
ENST00000505146	<i>SPP1</i>	4:87976880–87980188	252	4.497926	0.002942
ENST00000607978	<i>AC027644.3</i>	7:66739829–66740385	557	4.49485	0.000431
ENST00000393860	<i>RAB5C</i>	17:42124978–42155044	1,912	4.493035	0.002124
ENST00000392662	<i>ACTL6A</i>	3:179562920–179588398	1,899	4.491216	0.004247
ENST00000329043	<i>NFXL1</i>	4:47847233–47914667	3,723	4.488536	0.004116
ENST00000413592	<i>MCEE</i>	2:71109684–71124451	523	4.486412	0.000172
ENST00000617773	<i>THSD7A</i>	7:11370437–11832198	10,583	4.479082	0.002178
ENST00000637071	<i>POLRID</i>	13:27621893–27667411	1,943	4.475049	0.001045
ENST00000402114	<i>STONI-GTF2A</i>	2:48529925–48776517	3,790	4.473912	0.000593
ENST00000524534	<i>PTPRK</i>	6:128063436–128520515	2,441	4.470318	0.000515
ENST00000483497	<i>NUP214</i>	9:131190121–131233703	3,275	4.454098	0.002262
ENST00000360202	<i>KIRREL2</i>	19:35856922–35867109	2,942	4.442379	0.003631
ENST00000495242	<i>ARHGAP6</i>	X:11137544–11665701	5,303	4.439887	0.003423
ENST00000429490	<i>SGMS1</i>	10:50305586–50623977	3,634	4.433168	0.000905
ENST00000618160	<i>GTF2H3</i>	12:123633739–123662603	3,252	4.42079	0.000239
ENST00000339837	<i>NMNAT3</i>	3:139560191–139677998	1,863	4.420558	0.003893
ENST00000636569	<i>KIF21A</i>	12:39293229–39442943	6,157	4.417584	0.004928
ENST00000347735	<i>ERCI</i>	12:991238–1491567	4,955	4.415406	0.002254
ENST00000439269	<i>POR</i>	7:75981911–75986832	1,858	4.405411	0.000446
ENST00000556704	<i>UNC45A</i>	15:90942443–90948555	1,299	4.397076	0.000683

ENST00000567078	<i>AC138811.2</i>	16:18788063–18801519	764	4.390848	0.000539
ENST00000483738	<i>UBIAD1</i>	1:11273934–11296049	1,393	4.381087	0.000528
ENST00000637173	<i>STXBP1</i>	9:127612265–127692936	4,193	4.380233	0.000303
ENST00000341435	<i>NEK10</i>	3:27215607–27369421	2,638	4.377774	0.000838
ENST00000589642	<i>WBP2</i>	17:75847487–75855204	568	4.377572	0.000477
ENST00000369970	<i>CLCCI</i>	1:108931986–108950448	2,078	4.374838	0.000393
ENST00000550987	<i>CPSF6</i>	12:69239620–69255160	560	4.3745	2.44E–06
ENST00000613419	<i>ZNF33B</i>	10:42589107–42632912	5,843	4.374159	0.002257
ENST00000359867	<i>CSNK1E</i>	22:38290691–38318084	2,642	4.373471	0.001186
ENST00000514032	<i>CANX</i>	5:179698988–179728682	1,876	4.372005	0.00016
ENST00000523847	<i>LY6E</i>	8:143018553–143023832	427	4.362103	8.54E–05
ENST00000541210	<i>TESC</i>	12:117038925–117099446	936	4.355645	0.009804
ENST00000543930	<i>KIFC3</i>	16:57758532–57782297	3,018	4.348735	0.000223
ENST00000541702	<i>YAF2</i>	12:42231224–42238248	4,994	4.346845	0.003331
ENST00000442009	<i>POLR1E</i>	9:37485948–37503553	1,805	4.335975	0.003205
ENST00000423828	<i>TMBIM6</i>	12:49741809–49764934	3,254	4.333288	0.0004
ENST00000548815	<i>NBL1</i>	1:19647610–19658456	1,953	4.310523	0.001306
ENST00000563864	<i>ARHGAP11A</i>	15:32615565–32636148	2,279	4.307704	0.001801
ENST00000340850	<i>PLEKHG5</i>	1:6466092–6490580	4,715	4.289284	0.001733
ENST00000299333	<i>SCN3B</i>	11:123629189–123654607	5,665	4.285669	0.007579
ENST00000605067	<i>GFOD1</i>	6:13469268–13472044	1,427	4.271533	0.00017
ENST00000476077	<i>DERL3</i>	22:23836734–23839012	969	4.261333	0.000161
ENST00000537142	<i>ZBTB17</i>	1:15941871–15976079	2,511	4.232531	0.000879
ENST00000358392	<i>COL11A1</i>	1:102876467–103108496	7,327	4.231764	0.000402
ENST00000340042	<i>GLI4</i>	8:143267437–143276929	1,341	4.228527	0.000128
ENST00000491638	<i>NKIRAS2</i>	17:42020104–42024220	1,041	4.222399	0.007257
ENST00000355633	<i>HOXA1</i>	7:27093313–27095996	2,016	4.216484	0.000743
ENST00000428462	<i>DMC1</i>	22:38518949–38568409	2,082	4.214114	0.000637
ENST00000458447	<i>APOD</i>	3:195568753–195583954	950	4.20075	0.002547

ENST00000380103	<i>SMAGP</i>	12:51245351–51269320	1,045	4.194208	0.004432
ENST00000396352	<i>HOXA3</i>	7:27106184–27119595	3,263	4.182998	0.001224
ENST00000439846	<i>HSPA8P18</i>	3:19940269–19943310	1,928	4.180557	0.003072
ENST00000297581	<i>DCSTAMP</i>	8:104339826–104356689	1,953	4.177734	0.006043
ENST00000310483	<i>SLC39A1</i>	1:153959112–153967712	2,427	4.167021	0.001326
ENST00000260184	<i>DDX60L</i>	4:168356735–168480487	6,754	4.160231	0.004173
ENST00000318507	<i>CXCR2</i>	2:218126004–218137253	2,879	4.153986	9.04E–05
ENST00000374790	<i>PARD3</i>	10:34109561–34815321	5,825	4.150624	0.001485
ENST00000555955	<i>SIX1</i>	14:60644931–60653131	2,844	4.144528	0.002566
ENST00000612341	<i>SMTN</i>	22:31084996–31104623	3,321	4.144331	0.001115
ENST00000511839	<i>PAM</i>	5:102864537–102867388	609	4.141463	0.003503
ENST00000564734	<i>HERC2</i>	15:28254488–28322149	3,121	4.141224	0.000381
ENST00000486406	<i>PCNP</i>	3:101574219–101593251	742	4.138652	0.006203
ENST00000433674	<i>CAPN2</i>	1:223701593–223776016	3,264	4.125795	0.003767
ENST00000262963	<i>PTPRS</i>	19:5206537–5286163	4,766	4.117151	0.000515
ENST00000555071	<i>DLST</i>	14:74881922–74892058	1,365	4.111241	1.77E–06
ENST00000633077	<i>CELF2</i>	10:11017923–11329053	1,733	4.10389	0.000542
ENST00000368213	<i>PTPRK</i>	6:127968977–128520583	5,816	4.098769	0.001081
ENST00000448451	<i>DIAPH1</i>	5:141515157–141526147	2,102	4.072746	0.008247
ENST00000392996	<i>ZBTB16</i>	11:114060507–114250652	2,287	4.070681	0.005321
ENST00000507079	<i>NFKB1</i>	4:102501472–102577039	965	4.069455	0.000273
ENST00000498193	<i>SETDB1</i>	1:150926481–150963851	3,854	4.069225	0.000549
ENST00000475087	<i>COCH</i>	14:30874572–30895065	1,997	4.069166	0.00817
ENST00000219097	<i>ORC6</i>	16:46689646–46698394	1,628	4.067032	0.004145
ENST00000503794	<i>GNPDA1</i>	5:142000678–142012973	2,622	4.049222	0.004674
ENST00000615497	<i>TBC1D1</i>	4:37901998–38137743	2,383	4.026972	0.004172
ENST00000503582	<i>SPRY4</i>	5:142315109–142324417	575	4.026689	0.002112
ENST00000600356	<i>SLC35E1</i>	19:16553389–16564255	869	4.023348	0.001037
ENST00000372230	<i>SLC35C2</i>	20:46349528–46364395	2,246	4.020047	7.13E–07

ENST00000608083	<i>ACOT7</i>	1:6264269–6393361	1,403	4.018472	0.003173
ENST00000367279	<i>PTPN7</i>	1:202147013–202159991	3,265	4.009126	0.005504
ENST00000620039	<i>AP2B1</i>	17:35587314–35724089	3,428	4.004399	0.00429
ENST00000614949	<i>BID</i>	22:17734142–17774495	1,988	3.994434	0.004708
ENST00000537531	<i>TINAGL1</i>	1:31578145–31587682	1,841	3.993458	0.007247
ENST00000321613	<i>PHYHIP</i>	8:22219704–22232101	3,099	3.9845	0.002981
ENST00000414294	<i>SAE1</i>	19:47130859–47210191	2,211	3.982799	0.000755
ENST00000260113	<i>PII5</i>	8:74824537–74855029	6,732	3.972658	0.008814
ENST00000395080	<i>SPP1</i>	4:87975688–87983297	1,473	3.969504	0.006059
ENST00000357635	<i>FAM219B</i>	15:74899987–74907121	3,550	3.966915	0.00153
ENST00000265594	<i>MCCC1</i>	3:183015218–183099587	2,545	3.949928	0.000173
ENST00000581417	<i>ICAM2</i>	17:64002632–64006746	1,114	3.948636	0.005121
ENST00000398453	<i>SMAGP</i>	12:51245351–51270198	1,062	3.933555	0.008492
ENST00000395127	<i>EIF2AK2</i>	2:37105143–37157047	4,343	3.920428	0.003753
ENST00000426246	<i>USP42</i>	7:6116480–6155147	3,611	3.909956	0.000567
ENST00000569453	<i>DEF8</i>	16:89948791–89966066	1,852	3.899558	0.002059
ENST00000346299	<i>MTMR2</i>	11:95832882–95924295	4,681	3.898995	0.002013
ENST00000552109	<i>YAF2</i>	12:42160266–42238248	1,034	3.879717	4.67E–05
ENST00000310127	<i>ATP8B3</i>	19:1782075–1812276	5,095	3.873043	0.003774
ENST00000480266	<i>ENG</i>	9:127815013–127847167	2,804	3.857697	0.000911
ENST00000401035	<i>NEXN</i>	1:77888513–77933384	1,263	3.856421	0.000281
ENST00000558814	<i>MYO1E</i>	15:59223059–59264997	768	3.848689	0.003248
ENST00000530320	<i>CD151</i>	11:835194–837513	648	3.848458	0.001276
ENST00000569532	<i>TMC7</i>	16:18983934–19059996	2,738	3.843223	0.00186
ENST00000539526	<i>FXVD6</i>	11:117836976–117877031	2,132	3.839563	0.009439
ENST00000374886	<i>MSANTD3</i>	9:100427437–100450681	710	3.816477	0.00115
ENST00000254900	<i>BRD8</i>	5:138139766–138178986	4,388	3.813009	0.006172
ENST00000551109	<i>ZNF385A</i>	12:54369133–54385767	2,369	3.810848	0.00684
ENST00000560239	<i>AC048382.2</i>	15:84513241–84526949	492	3.807772	0.001483

ENST00000519254	<i>CLN8</i>	8:1763760–1781300	1,769	3.804216	0.005122
ENST00000369798	<i>TTK</i>	6:80004605–80042527	3,010	3.800787	0.000222
ENST00000555082	<i>PRKCH</i>	14:61322664–61550976	2,932	3.792208	0.004041
ENST00000539863	<i>STK38L</i>	12:27244267–27302506	581	3.789084	4.97E–05
ENST00000476727	<i>CIZ1</i>	9:128166759–128191550	1,205	3.779861	0.001298
ENST00000509430	<i>GFM2</i>	5:74721258–74767105	3,047	3.778288	0.000309
ENST00000625880	<i>MPP2</i>	17:43875363–43907942	4,668	3.771652	0.006353
ENST00000428239	<i>CDC7</i>	1:91501108–91525764	3,313	3.769124	0.000286
ENST00000393881	<i>NKIRAS2</i>	17:42020097–42024774	1,598	3.762754	0.005431
ENST00000380850	<i>TTC39B</i>	9:15170845–15307360	3,221	3.762437	0.00336
ENST00000400033	<i>NDUFV2</i>	18:9104082–9134345	942	3.758392	0.00121
ENST00000428724	<i>ZNF23</i>	16:71448093–71454075	1,932	3.74085	0.008036
ENST00000635598	<i>PIGA</i>	X:15319457–15335554	3,246	3.736126	0.004476
ENST00000366734	<i>MRPL55</i>	1:228106679–228108897	990	3.734843	0.006082
ENST00000469654	<i>ATG7</i>	3:11272443–11304549	739	3.732301	0.001563
ENST00000542645	<i>ZDHHC20</i>	13:21372573–21459370	5,315	3.729466	0.003704
ENST00000591509	<i>TUBG1</i>	17:42609686–42613911	847	3.727654	0.000902
ENST00000588734	<i>TK1</i>	17:78174121–78187233	1,681	3.724774	1.55E–05
ENST00000469185	<i>BTN2A1</i>	6:26457968–26476621	1,687	3.721521	0.002688
ENST00000552823	<i>LIMAI</i>	12:50175788–50222348	3,254	3.720957	0.00142
ENST00000529973	<i>EIF1AD</i>	11:65998614–66000482	530	3.715277	0.001538
ENST00000594668	<i>ZNF548</i>	19:57390453–57398436	563	3.710589	0.00611
ENST00000226284	<i>IBSP</i>	4:87799581–87812435	1,546	3.710349	0.009175
ENST00000537888	<i>PEX11B</i>	1:145911351–145918529	1,632	3.707989	0.003017
ENST00000397029	<i>PPARG</i>	3:12287388–12381491	686	3.701665	0.007932
ENST00000508802	<i>TBC1D1</i>	4:37891087–38137619	4,119	3.698483	0.003417
ENST00000423624	<i>RENBP</i>	X:153935286–153944626	1,304	3.685802	0.003009
ENST00000397317	<i>CLDN7</i>	17:7260137–7263213	1,228	3.682563	0.001681
ENST00000345016	<i>AP3D1</i>	19:2100988–2151557	4,870	3.675553	0.00024

ENST00000552613	<i>SLC8B1</i>	12:113320850–113334613	647	3.671256	0.000896
ENST00000356195	<i>CDCA7L</i>	7:21900900–21945878	2,915	3.671028	0.003986
ENST00000486197	<i>GBAP1</i>	1:155213826–155218473	1,823	3.661451	0.009247
ENST00000612892	<i>GPR1</i>	2:206175320–206218047	2,565	3.644681	0.006508
ENST00000451391	<i>IDH1</i>	2:208248597–208266074	563	3.642856	0.000299
ENST00000555810	<i>TUBB3</i>	16:89921392–89935235	767	3.640621	0.00118
ENST00000606815	<i>RN7SKP4</i>	13:45123093–45123414	322	3.638563	0.006202
ENST00000529102	<i>GPR68</i>	14:91234037–91244508	1,355	3.635433	0.001069
ENST00000431960	<i>DAG1</i>	3:49470247–49530864	549	3.625512	0.003607
ENST00000518083	<i>LOXL2</i>	8:23360166–23371126	588	3.61898	0.005742
ENST00000593649	<i>KANK3</i>	19:8323315–8343262	2,672	3.618817	0.007513
ENST00000474050	<i>GLIPR2</i>	9:36144276–36163902	2,702	3.617378	5.60E–05
ENST00000564191	<i>ATP6V0D1</i>	16:67439088–67481086	853	3.606942	0.000819
ENST00000417362	<i>C16orf62</i>	16:19555720–19700689	3,115	3.594782	0.000417
ENST00000431834	<i>PRR5</i>	22:44702219–44737441	1,612	3.594347	0.003117
ENST00000556972	<i>PRC1</i>	15:90966050–90970427	728	3.586226	0.007658
ENST00000418378	<i>SPARCL1</i>	4:87473348–87529503	2,994	3.579379	0.000379
ENST00000355396	<i>SUSD1</i>	9:112040785–112175185	2,861	3.56392	0.004539
ENST00000493293	<i>LAMC2</i>	1:183186238–183241261	4,313	3.561445	0.008924
ENST00000517995	<i>HACE1</i>	6:104728097–104782455	2,809	3.555834	0.001312
ENST00000487676	<i>HLA-DQB1</i>	6:32659467–32666638	4,644	3.55247	0.001567
ENST00000570731	<i>SERPINF1</i>	17:1762829–1771141	459	3.552037	0.00418
ENST00000569851	<i>CLCN7</i>	16:1457254–1471956	1,014	3.546085	0.002745
ENST00000594759	<i>LIG1</i>	19:48115450–48170326	4,102	3.541336	5.94E–05
ENST00000548843	<i>AVIL</i>	12:57806138–57814226	1,827	3.518997	0.00447
ENST00000357546	<i>DHRS9</i>	2:169067035–169096167	1,917	3.515088	0.005129
ENST00000309071	<i>ZGRF1</i>	4:112589630–112636910	3,347	3.514205	0.007049
ENST00000452979	<i>HERC3</i>	4:88593378–88653088	887	3.512197	0.004687
ENST00000543199	<i>GPN3</i>	12:110452487–110468721	1,604	3.512185	0.006603

ENST00000572232	<i>NMRAL1</i>	16:4461694–4466336	659	3.506488	0.009552
ENST00000538860	<i>ADD1</i>	4:2928603–2930062	507	3.500336	0.007127
ENST00000381607	<i>ZMYND11</i>	10:135484–254626	3,898	3.498	1.32E–05
ENST00000568453	<i>DYNCILI2</i>	16:66723606–66730348	571	3.49347	0.008975
ENST00000497209	<i>SLCO4A1</i>	20:62642520–62672293	3,092	3.488519	0.000342
ENST00000491206	<i>RFC2</i>	7:74237408–74252494	726	3.484606	0.004827
ENST00000554550	<i>GALT</i>	9:34646636–34650529	1,164	3.484351	0.000332
ENST00000251595	<i>HBA2</i>	16:172847–173710	605	3.483885	0.009085
ENST00000483585	<i>MYO1G</i>	7:44962662–44979079	3,692	3.48304	0.005213
ENST00000460138	<i>TXNDC5</i>	6:7881517–7889445	2,704	3.482916	0.000498
ENST00000636033	<i>ASAHI</i>	8:18056880–18084074	1,940	3.481613	0.009169
ENST00000618192	<i>LAMA2</i>	6:128883141–129516563	9,687	3.478173	0.00984
ENST00000572557	<i>AKAP1</i>	17:57095844–57120570	3,098	3.472252	0.005437
ENST00000268058	<i>PML</i>	15:73994717–74046771	4,508	3.466439	0.007872
ENST00000309989	<i>DAB2IP</i>	9:121742785–121782653	3,500	3.46403	0.000697
ENST00000412309	<i>MS4A6A</i>	11:60172497–60183223	1,284	3.448165	0.007398
ENST00000553454	<i>DHRS4-AS1</i>	14:23940216–23954122	1,492	3.444216	0.004916
ENST00000490373	<i>RUSC1</i>	1:155324522–155330730	1,700	3.440364	0.000123
ENST00000272559	<i>FBLN7</i>	2:112181883–112188199	1,479	3.426254	0.003484
ENST00000532870	<i>TAGLN</i>	11:117201873–117204778	2,166	3.415304	0.003282
ENST00000254695	<i>RAP1GAP2</i>	17:2796438–3037739	6,661	3.382472	2.96E–06
ENST00000535419	<i>PGRMC1</i>	X:119236245–119244465	1,762	3.376383	0.00787
ENST00000377773	<i>TOMM5</i>	9:37588413–37592597	808	3.372769	0.000139
ENST00000494796	<i>LILRB4</i>	19:54662158–54667699	1,272	3.372131	0.003286
ENST00000393249	<i>OSBPL8</i>	12:76351797–76559535	7,047	3.364258	0.002193
ENST00000267953	<i>BCL2A1</i>	15:79960889–79971446	1,033	3.362945	0.005069
ENST00000471577	<i>INO80B</i>	2:74455108–74457371	818	3.357228	0.003131
ENST00000335712	<i>BCL11A</i>	2:60457198–60553498	5,942	3.350066	0.000171
ENST00000535318	<i>CPNE2</i>	16:57092607–57147966	2,316	3.348638	0.001931

ENST00000604231	<i>AC010522.1</i>	19:57830312–57858641	576	3.345069	0.00981
ENST00000639885	<i>UNC45A</i>	15:90934041–90953716	3,255	3.336924	0.002637
ENST00000497648	<i>RABGGTB</i>	1:75786243–75788783	1,319	3.332768	0.005128
ENST00000588913	<i>DNMT1</i>	19:10133367–10140130	1,775	3.32768	0.000568
ENST00000345512	<i>PTPRU</i>	1:29236516–29325661	4,470	3.325524	0.004404
ENST00000418900	<i>HIGD1A</i>	3:42784330–42804488	1,322	3.320681	0.001771
ENST00000550722	<i>HECTD4</i>	12:112160188–112382092	15,450	3.319801	0.001249
ENST00000394339	<i>SPRY1</i>	4:123399510–123403755	2,504	3.31752	0.008828
ENST00000308388	<i>GMPPB</i>	3:49721476–49723949	1,582	3.307285	0.000299
ENST00000377342	<i>CBWD3</i>	9:68241926–68300015	1,665	3.303129	4.97E–05
ENST00000454407	<i>ZNF761</i>	19:53445185–53458260	3,967	3.291164	0.002122
ENST00000454309	<i>FGF12</i>	3:192142509–192409049	3,058	3.286178	0.008919
ENST00000547654	<i>SCAF11</i>	12:45919131–45923100	416	3.285386	0.004839
ENST00000588625	<i>ACP5</i>	19:11576379–11576943	438	3.284616	0.00678
ENST00000523277	<i>GINS4</i>	8:41529249–41545030	3,873	3.274617	0.001435
ENST00000402615	<i>AKT1</i>	14:104769352–104794528	3,913	3.273355	0.001884
ENST00000426421	<i>CAPZA2</i>	7:116862600–116918188	1,214	3.268827	0.009411
ENST00000371097	<i>LCOR</i>	10:96832980–96958926	4,852	3.265157	0.005004
ENST00000413728	<i>ARHGEF3</i>	3:56727421–56775657	3,992	3.261523	0.006324
ENST00000236826	<i>MMP8</i>	11:102711795–102724954	3,056	3.255582	0.009843
ENST00000563673	<i>FANCA</i>	16:89798385–89816635	1,694	3.253374	0.002241
ENST00000434651	<i>HLA-DQB1</i>	6:32659467–32666694	1,642	3.243599	0.008097
ENST00000591047	<i>GMIP</i>	19:19638206–19643601	747	3.243567	0.003505
ENST00000425690	<i>PVR</i>	19:44643798–44663583	3,325	3.241952	0.002052
ENST00000407806	<i>PFKP</i>	10:3070245–3105473	705	3.217991	0.009096
ENST00000526196	<i>ACADM</i>	1:75724706–75762954	1,451	3.216912	0.007792
ENST00000434333	<i>HLA-B</i>	6:31355507–31357188	863	3.203415	0.00707
ENST00000260302	<i>MMP13</i>	11:102942995–102955734	2,716	3.197544	0.009994
ENST00000465029	<i>BUB1</i>	2:110660868–110678063	1,999	3.193844	0.007416

ENST00000511976	<i>FAM13A</i>	4:88727429–89057160	3,579	3.188179	0.008771
ENST00000377834	<i>HES2</i>	1:6415232–6419919	4,262	3.179625	0.003821
ENST00000553503	<i>NDRG2</i>	14:21016772–21025039	2,162	3.177932	0.000478
ENST00000372360	<i>RPS24</i>	10:78033865–78040697	510	3.176951	0.000395
ENST00000434318	<i>MMP11</i>	22:23780880–23783441	1,165	3.174058	0.002631
ENST00000602539	<i>COX10-AS1</i>	17:14033851–14069479	774	3.165428	0.000242
ENST00000605337	<i>MRPL37</i>	1:54200196–54225464	1,582	3.162015	0.002873
ENST00000479986	<i>HIST1H3J</i>	6:27890635–27893106	522	3.153717	0.009545
ENST00000505090	<i>CANX</i>	5:179723478–179726735	485	3.149673	0.00069
ENST00000639628	<i>HNRNPU</i>	1:244853418–244862387	4,546	3.147664	0.004672
ENST00000458205	<i>MLH1</i>	3:36993776–37050846	2,608	3.130427	0.000139
ENST00000308868	<i>LEP</i>	7:128241284–128257628	3,420	3.128417	0.005879
ENST00000557082	<i>PPP1R13B</i>	14:103734892–103846885	4,254	3.126163	0.00255
ENST00000525028	<i>PIDD1</i>	11:799179–804675	3,175	3.119275	0.001887
ENST00000572104	<i>ELP5</i>	17:7254583–7258782	416	3.116451	0.005769
ENST00000480842	<i>MRPL18</i>	6:159790517–159798436	1,075	3.115968	0.007
ENST00000392157	<i>ZNF585A</i>	19:37151010–37172436	3,190	3.110465	0.009526
ENST00000620489	<i>RGS3</i>	9:113594129–113597729	1,503	3.103069	0.003505
ENST00000578357	<i>CUEDC1</i>	17:57862963–57869938	661	3.097208	0.000688
ENST00000484979	<i>PCDH17</i>	13:57631810–57725540	4,471	3.085101	0.005396
ENST00000392437	<i>OPA1</i>	3:193593247–193618920	631	3.083305	0.004865
ENST00000536300	<i>SP6</i>	17:47844914–47851193	3,848	3.083272	0.00062
ENST00000409136	<i>SSFA2</i>	2:181910505–181930738	3,610	3.082886	0.005197
ENST00000534030	<i>POLR2L</i>	11:837356–842529	585	3.070262	0.007184
ENST00000622102	<i>PLEKHA8</i>	7:30028361–30118345	2,140	3.068555	8.02E–05
ENST00000380258	<i>PCLAF</i>	15:64365365–64381444	911	3.062802	0.003266
ENST00000221954	<i>CEACAM4</i>	19:41618971–41627074	1,205	3.058976	0.005696
ENST00000394903	<i>DNAJB12</i>	10:72332830–72355149	3,198	3.050568	0.001894
ENST00000622188	<i>NRN1</i>	6:5998002–6004044	1,795	3.027178	0.000565

ENST00000401088	<i>SZRD1</i>	1:16367083–16398142	3,636	3.019527	0.007758
ENST00000525181	<i>CD151</i>	11:838180–839831	364	3.018166	0.00116
ENST00000322684	<i>MSI2</i>	17:57257013–57632900	1,860	3.014309	0.000872
ENST00000480832	<i>ZBTB20</i>	3:114388066–114861793	574	3.007582	0.002652
ENST00000382079	<i>CIQTNF3-AM</i>	5:33987174–34124528	3,424	3.007194	0.001278
ENST00000508423	<i>KIAA0232</i>	4:6782642–6824684	700	3.005698	0.009894
ENST00000437941	<i>SSX2IP</i>	1:84643707–84690468	5,843	3.0009	0.007766
ENST00000439576	<i>ACAN</i>	15:88803443–88875354	8,840	2.996764	0.003446
ENST00000369025	<i>SCML4</i>	6:107704651–107732395	1,534	2.991033	0.004628
ENST00000560541	<i>CUX1</i>	7:101913104–102283957	3,176	2.9868	0.007555
ENST00000550016	<i>DDX54</i>	12:113161951–113165678	594	2.986735	0.000796
ENST00000617428	<i>AC008878.3</i>	19:7382834–7472477	4,964	2.982071	0.004375
ENST00000475167	<i>SLC25A6</i>	X:1387311–1392103	900	2.981742	0.000517
ENST00000491863	<i>GTSE1</i>	22:46328923–46330152	751	2.978971	0.008086
ENST00000466589	<i>L3MBTL2</i>	22:41205309–41230654	3,055	2.978071	0.000251
ENST00000378625	<i>NADK</i>	1:1751232–1780069	3,653	2.973052	1.61E–05
ENST00000470450	<i>CCT8</i>	21:29056324–29073639	1,872	2.959815	8.84E–05
ENST00000466884	<i>COL2A1</i>	12:47998169–47998859	478	2.954818	0.009712
ENST00000506288	<i>SLC9B2</i>	4:103020230–103057942	1,115	2.951204	0.000819
ENST00000473282	<i>CDK5RAP2</i>	9:120389196–120580005	5,956	2.951152	0.003405
ENST00000453399	<i>ELMO1</i>	7:37271832–37448950	503	2.949906	0.004378
ENST00000514917	<i>AC093668.1</i>	7:102541501–102592444	911	2.936489	0.005064
ENST00000435680	<i>MTMR10</i>	15:30938941–30991604	4,961	2.933964	0.0078
ENST00000568313	<i>JMJD8</i>	16:682074–683106	955	2.925266	0.006791
ENST00000527728	<i>RIC8A</i>	11:209630–212724	859	2.921738	0.007638
ENST00000378427	<i>FAM213B</i>	1:2586798–2591463	2,689	2.895095	0.002845
ENST00000238671	<i>DLST</i>	14:74881916–74902452	1,464	2.894478	0.001178
ENST00000558812	<i>MEF2A</i>	15:99565928–99713324	2,186	2.8939	0.003358
ENST00000551570	<i>ATP5B</i>	12:56640100–56643573	399	2.881231	0.002677

ENST00000546036	<i>NUMA1</i>	11:72008438–72009150	592	2.870989	0.007191
ENST00000498213	<i>USP54</i>	10:73575810–73591540	815	2.870855	0.008113
ENST00000318683	<i>B3GNT3</i>	19:17795110–17813082	2,226	2.869796	0.008957
ENST00000244204	<i>NAGK</i>	2:71068622–71078565	1,154	2.856038	0.009989
ENST00000481518	<i>PSME4</i>	2:53936095–53970778	886	2.852731	0.008026
ENST00000399408	<i>ABCC1</i>	16:15949577–16143074	6,594	2.8493	0.006641
ENST00000442798	<i>GORASP2</i>	2:170929321–170966623	1,976	2.841029	0.003761
ENST00000311388	<i>DEPDC7</i>	11:33016164–33033582	2,012	2.832906	0.007922
ENST00000426604	<i>ATP6V0D1</i>	16:67438413–67459225	1,257	2.830159	0.008333
ENST00000593502	<i>MAP3K10</i>	19:40198424–40213261	739	2.826639	0.006551
ENST00000318974	<i>PTPN6</i>	12:6951269–6961313	2,245	2.824743	0.005236
ENST00000524477	<i>JAML</i>	11:118205937–118212885	591	2.821067	0.007964
ENST00000548971	<i>TARBP2</i>	12:53501306–53506399	1,493	2.817936	0.001754
ENST00000534842	<i>MFSD5</i>	12:53251586–53254405	2,038	2.814927	0.004558
ENST00000590832	<i>ACP5</i>	19:11576732–11577527	583	2.808132	0.008429
ENST00000547583	<i>GLT8D2</i>	12:104012599–104050136	862	2.806627	0.006146
ENST00000559454	<i>GALK2</i>	15:49170478–49328503	1,768	2.806195	0.008498
ENST00000575981	<i>PKMYT1</i>	16:2972810–2974795	910	2.790877	0.006731
ENST00000394980	<i>MMRN1</i>	4:89879532–89954629	5,217	2.785541	0.003301
ENST00000591890	<i>H3F3B</i>	17:75778325–75779759	783	2.774176	0.005075
ENST00000616623	<i>CRY2</i>	11:45847406–45883248	4,204	2.773717	0.007386
ENST00000552294	<i>CTDSP2</i>	12:57826379–57827407	436	2.770183	0.004457
ENST00000344987	<i>MPPE1</i>	18:11884068–11908330	1,831	2.769883	0.006866
ENST00000570482	<i>CEP131</i>	17:81199818–81204071	613	2.769846	0.003689
ENST00000439374	<i>CDC42SE1</i>	1:151050971–151070325	3,498	2.768217	0.007818
ENST00000264932	<i>SDHA</i>	5:218241–256700	2,390	2.765789	0.007032
ENST00000285379	<i>CA2</i>	8:85463852–85481493	1,717	2.765689	0.005949
ENST00000527914	<i>RPL8</i>	8:144789769–144792423	551	2.763816	0.00977
ENST00000414822	<i>CDKN1C</i>	11:2883213–2885881	2,051	2.759743	0.008568

ENST00000317552	<i>MIDI</i>	X:10445310–10620634	6,463	2.758762	0.002006
ENST00000527634	<i>C11orf80</i>	11:66744771–66843290	1,666	2.746535	0.004617
ENST00000544598	<i>PPOX</i>	1:161166470–161171220	813	2.743364	0.000979
ENST00000434817	<i>TNFRSF14</i>	1:2555791–2561815	834	2.7318	0.002108
ENST00000527306	<i>HOOK3</i>	8:42896946–42998156	2,325	2.730045	0.000435
ENST00000257549	<i>SDS</i>	12:113392445–113403888	1,606	2.728214	0.007762
ENST00000430841	<i>ECHDC1</i>	6:127289869–127343398	1,009	2.728047	0.002831
ENST00000546206	<i>ARL6IP1</i>	16:18792947–18801424	1,107	2.727152	0.002618
ENST00000638664	<i>SPIN3</i>	X:56973196–56995530	2,793	2.726737	0.003755
ENST00000394917	<i>ZNF12</i>	7:6697373–6706843	662	2.724532	0.006015
ENST00000587303	<i>PTPRS</i>	19:5206368–5286240	6,353	2.709516	0.006816
ENST00000589878	<i>LSM14A</i>	19:34172504–34196666	559	2.702563	0.000939
ENST00000620401	<i>HNRNPM</i>	19:8444990–8489110	2,458	2.685369	0.003237
ENST00000541009	<i>ZNF268</i>	12:133181559–133205173	3,773	2.68267	0.002839
ENST00000260227	<i>MMP7</i>	11:102520508–102530753	1,125	2.682048	0.006471
ENST00000565460	<i>PLA2G15</i>	16:68254781–68261056	3,121	2.681983	0.007389
ENST00000556036	<i>FANCM</i>	14:45135940–45167423	2,354	2.676761	0.002319
ENST00000572687	<i>PAQR4</i>	16:2969558–2973482	2,251	2.674919	0.00823
ENST00000530122	<i>STX16-NPEPL1</i>	20:58651434–58715410	3,433	2.672176	0.002371
ENST00000494517	<i>GOLGB1</i>	3:121695478–121749666	4,959	2.667358	0.002192
ENST00000615152	<i>RRM2</i>	2:10122568–10131419	3,434	2.665908	0.006075
ENST00000504079	<i>LARP7</i>	4:112637193–112638020	424	2.64697	0.001785
ENST00000302500	<i>CLCC1</i>	1:108934658–108950448	1,316	2.63763	0.005249
ENST00000391831	<i>AKT1S1</i>	19:49869046–49876249	2,025	2.632869	0.008584
ENST00000507259	<i>LARP1B</i>	4:128122117–128222926	1,513	2.618254	0.001105
ENST00000541206	<i>RNF166</i>	16:88696536–88703617	2,419	2.606696	0.009154
ENST00000407004	<i>ILF3</i>	19:10654328–10685765	3,671	2.602145	0.00019
ENST00000371000	<i>IL12RB2</i>	1:67307873–67395835	2,454	2.59362	0.003767
ENST00000328085	<i>NP1PA1</i>	16:14937443–14952056	1,084	2.555867	0.001855

ENST00000463362	<i>DLG5</i>	10:77791901–77820048	2,927	2.549356	0.006937
ENST00000361162	<i>RBM39</i>	20:35703610–35742312	2,831	2.530708	0.00805
ENST00000489432	<i>REPIN1</i>	7:150368800–150372945	2,058	2.527025	0.007088
ENST00000336294	<i>TMEM39B</i>	1:32072902–32102861	1,813	2.514209	0.008832
ENST00000405853	<i>NR1H3</i>	11:47257998–47268843	1,480	2.507271	0.009946
ENST00000374885	<i>MSANTD3</i>	9:100427277–100450705	786	2.49178	0.006107
ENST00000593682	<i>AC010422.6</i>	19:12525720–12580975	5,857	2.48929	0.006384
ENST00000541122	<i>SMARCA4</i>	19:10961081–11061816	5,139	2.483645	0.007688
ENST00000546260	<i>SOD2</i>	6:159679064–159693241	4,302	2.477888	0.003594
ENST00000494741	<i>WBPI</i>	2:74458474–74460696	1,069	2.471083	0.004104
ENST00000576176	<i>NMRAL1</i>	16:4463568–4469365	672	2.47075	0.003903
ENST00000397303	<i>RBFOX2</i>	22:35743958–35810004	1,354	2.459969	0.002351
ENST00000545869	<i>PDCD2</i>	6:170577594–170584605	900	2.459864	0.008008
ENST00000517518	<i>DGLUCY</i>	14:91114401–91196474	1,597	2.447976	0.00335
ENST00000415136	<i>DDOST</i>	1:20651767–20661544	2,126	2.444323	0.004735
ENST00000596687	<i>CCDC61</i>	19:45995479–46015428	800	2.443669	0.007418
ENST00000469269	<i>TGM2</i>	20:38128461–38133760	3,467	2.441707	0.008304
ENST00000570258	<i>EC11</i>	16:2239940–2252300	1,512	2.441566	0.009954
ENST00000567594	<i>SSSCAI-ASI</i>	11:65569660–65570273	614	2.417216	0.007972
ENST00000435076	<i>DARS</i>	2:135943179–135985563	717	2.413352	0.002812
ENST00000493403	<i>ARPC1B</i>	7:99386369–99388243	532	2.407914	0.004736
ENST00000544182	<i>HMBS</i>	11:119091538–119093290	1,542	2.404149	0.002507
ENST00000567212	<i>UBFD1</i>	16:23557721–23574387	4,727	2.403027	0.001207
ENST00000507881	<i>PRR7</i>	5:177446445–177455832	993	2.398703	0.004184
ENST00000245448	<i>ATP5S</i>	14:50312329–50326226	1,671	2.396333	0.008677
ENST00000551876	<i>RACGAP1</i>	12:50005291–50017084	539	2.388959	0.004424
ENST00000378721	<i>SEPT8</i>	5:132754179–132777238	1,723	2.383629	0.007116
ENST00000473786	<i>CCT7</i>	2:73234336–73249844	811	2.377884	0.006189
ENST00000488384	<i>ERGIC3</i>	20:35556610–35557634	766	2.362674	0.002128

ENST00000527688	<i>TXNRD1</i>	12:104288718–104350283	3,858	2.359146	0.00206
ENST00000531224	<i>BCLAF1</i>	6:136256863–136289851	7,263	2.354054	0.009143
ENST00000461353	<i>EMC1</i>	1:19218945–19221205	2,175	2.352593	0.002537
ENST00000335509	<i>TPCNI</i>	12:113221438–113298585	5,274	2.346282	0.00826
ENST00000550704	<i>EIF4B</i>	12:53006459–53037434	1,476	2.343709	0.007589
ENST00000471555	<i>ATP11A</i>	13:112842309–112886113	5,786	2.340119	0.008879
ENST00000371753	<i>NACC2</i>	9:136006537–136050580	6,802	2.326974	0.006504
ENST00000621217	<i>GGA3</i>	17:75236599–75261621	4,181	2.323491	0.005733
ENST00000593690	<i>PAK4</i>	19:39125814–39179401	3,025	2.321325	0.005143
ENST00000630972	<i>HSPH1</i>	13:31136625–31162388	3,570	2.320946	0.003858
ENST00000274341	<i>HAPLN1</i>	5:83637805–83721613	5,607	2.318815	0.005084
ENST00000567439	<i>FAM192A</i>	16:57154200–57186040	1,086	2.277614	0.002304
ENST00000594140	<i>EGLN2</i>	19:40803140–40808378	991	2.272902	0.006602
ENST00000375466	<i>GPR173</i>	X:53049283–53076778	579	2.265041	0.005504
ENST00000479770	<i>TIRAP</i>	11:126290856–126298845	2,245	2.259853	0.004002
ENST00000282441	<i>YAP1</i>	11:102110461–102233423	5,386	2.257742	0.007372
ENST00000522859	<i>TPT1-AS1</i>	13:45341513–45370507	769	2.25619	0.003925
ENST00000531745	<i>C11orf24</i>	11:68261463–68263355	451	2.248249	0.009213
ENST00000500161	<i>ZNF329</i>	19:58126335–58155110	3,091	2.242831	0.009948
ENST00000261740	<i>TRPV4</i>	12:109783087–109833401	3,233	2.242596	0.006547
ENST00000470904	<i>KPNA1</i>	3:122425680–122459885	3,060	2.238299	0.007976
ENST00000588848	<i>STX10</i>	19:13144601–13150313	1,164	2.230534	0.002035
ENST00000416464	<i>TRIM16</i>	17:15627960–15684299	3,184	2.207334	0.008912
ENST00000527985	<i>ZDHHC5</i>	11:57667747–57700363	2,817	2.198508	0.008935
ENST00000618534	<i>NEK3</i>	13:52132644–52159535	2,414	2.165935	0.000751
ENST00000559108	<i>TPM1</i>	15:63062108–63066092	437	2.158969	0.00924
ENST00000530875	<i>NXF1</i>	11:62794338–62805469	1,922	2.154532	0.00983
ENST00000373872	<i>TGIF2</i>	20:36573607–36593950	3,406	2.151582	0.001595
ENST00000613538	<i>LEPROT</i>	1:65420716–65436007	4,625	2.143523	0.009466

ENST00000473570	<i>GBA</i>	1:155238564–155244622	862	2.143237	0.00302
ENST00000537687	<i>WNK1</i>	12:752923–911452	11,232	2.130607	0.004165
ENST00000526005	<i>KBTBD4</i>	11:47572197–47578956	2,444	2.126148	0.008609
ENST00000555366	<i>CKB</i>	14:103520153–103520728	419	2.120221	0.005253
ENST00000327876	<i>KCNK12</i>	2:47516581–47570939	6,227	2.115056	0.005537
ENST00000342502	<i>IKBIP</i>	12:98613405–98645113	1,645	2.109293	0.001957
ENST00000264758	<i>ADD1</i>	4:2843857–2930073	4,045	2.03528	0.008653
ENST00000585833	<i>KIAA0355</i>	19:34265568–34300084	584	2.020061	0.002823
ENST00000503564	<i>POLR2J3</i>	7:102538341–102566629	875	2.016711	0.00185
ENST00000471486	<i>EIF3I</i>	1:32222437–32228814	825	2.012271	0.007068
ENST00000510702	<i>RWDD4</i>	4:183640628–183659201	1,620	2.009183	0.0099
ENST00000542754	<i>AP4S1</i>	14:31025466–31096450	4,243	–2.00632	0.004332
ENST00000403949	<i>CIS</i>	12:7061384–7064380	1,034	–2.03394	0.001891
ENST00000492795	<i>SUCLG2</i>	3:67408606–67654607	1,512	–2.05998	0.006201
ENST00000531148	<i>TBCEL</i>	11:121024121–121088345	2,593	–2.06947	0.008513
ENST00000395748	<i>AREG</i>	4:74445134–74455009	1,240	–2.07118	0.006128
ENST00000563706	<i>FAM219B</i>	15:74902704–74906220	582	–2.07364	0.005807
ENST00000427990	<i>APOL1</i>	22:36253133–36265315	624	–2.08154	0.009271
ENST00000391496	<i>OR2A42</i>	7:144231911–144232843	933	–2.0849	0.009919
ENST00000588880	<i>SEC14L1</i>	17:77140736–77143642	553	–2.10381	0.009631
ENST00000535233	<i>CIR</i>	12:7080421–7092472	2,211	–2.11195	0.00061
ENST00000394417	<i>UGP2</i>	2:63840940–63891562	2,136	–2.11305	0.004981
ENST00000312431	<i>DST</i>	6:56457989–56851916	17,756	–2.11326	0.003035
ENST00000524773	<i>CAPN1</i>	11:65181745–65212001	2,960	–2.12399	0.004854
ENST00000264664	<i>FGF10</i>	5:44303544–44388797	2,193	–2.12602	0.001929
ENST00000227758	<i>BIRC2</i>	11:102347235–102378670	3,743	–2.12653	0.009988
ENST00000529333	<i>NASP</i>	1:45584045–45607495	778	–2.1333	0.003957
ENST00000414797	<i>MAGI2-AS3</i>	7:79453960–79471208	1,072	–2.15412	0.003382
ENST00000573311	<i>SRRM2</i>	16:2768081–2769547	732	–2.15479	0.005525

ENST00000469162	<i>PLA2G2A</i>	1:19975431–19979607	871	–2.15591	0.007154
ENST00000327578	<i>PCMI</i>	8:17922857–18029944	8,287	–2.16392	0.008824
ENST00000417723	<i>TAMM41</i>	3:11833026–11846885	992	–2.16451	0.009538
ENST00000374630	<i>EPHB2</i>	1:22710965–22913743	3,152	–2.16777	0.004735
ENST00000533540	<i>HSPA8</i>	11:123057489–123062136	1,826	–2.16824	0.007412
ENST00000577611	<i>YES1</i>	18:751724–812266	568	–2.17343	0.005683
ENST00000295206	<i>ENI</i>	2:118842171–118847678	2,457	–2.18427	0.002176
ENST00000382686	<i>ATXN2L</i>	16:28823093–28837237	3,739	–2.1874	0.006241
ENST00000529597	<i>REPS1</i>	6:138904861–138987640	2,468	–2.19669	0.003989
ENST00000375433	<i>RCC2</i>	1:17408676–17438561	2,030	–2.20795	0.007868
ENST00000627024	<i>DOCK9</i>	13:98860181–98978084	4,096	–2.23039	0.009302
ENST00000216185	<i>TXN2</i>	22:36467036–36482030	1,736	–2.24316	0.007094
ENST00000336034	<i>DEDD2</i>	19:42198598–42217669	1,882	–2.24322	0.009053
ENST00000438081	<i>SKP1P1</i>	7:66423405–66423893	489	–2.25395	0.001097
ENST00000354914	<i>SCARA5</i>	8:27869882–27992727	4,026	–2.25989	0.002014
ENST00000541184	<i>ZDHHC15</i>	X:75368431–75523502	6,012	–2.26002	0.007867
ENST00000397174	<i>SCMH1</i>	1:41027200–41152674	2,977	–2.27263	0.003976
ENST00000316495	<i>ZFAND2A</i>	7:1152907–1160178	860	–2.27843	0.007697
ENST00000491021	<i>POLDIP3</i>	22:42585887–42603012	1,028	–2.28064	0.004739
ENST00000584130	<i>RIOK3</i>	18:23466135–23477203	591	–2.29969	0.007438
ENST00000406852	<i>DYNC2L1I</i>	2:43774049–43795179	1,133	–2.30527	0.001916
ENST00000454819	<i>SPAG4</i>	20:35617024–35619688	827	–2.30844	0.009966
ENST00000297439	<i>DEFB1</i>	8:6870575–6878022	478	–2.31115	0.007544
ENST00000429951	<i>TTC12</i>	11:113314579–113324682	669	–2.31263	0.007879
ENST00000513281	<i>ENSA</i>	1:150624622–150629116	1,369	–2.32309	0.008122
ENST00000639958	<i>PRICKLE1</i>	12:42458829–42589746	3,803	–2.32389	0.007135
ENST00000366806	<i>AFDN</i>	6:167827635–167970232	5,962	–2.33154	0.007076
ENST00000443387	<i>ZNF146</i>	19:36215133–36238774	3,326	–2.3361	0.00435
ENST00000532423	<i>TPD52L1</i>	6:125229067–125263038	507	–2.33723	0.006035

ENST00000411937	<i>DCLK2</i>	4:150078989–150257438	3,611	–2.33855	0.007227
ENST00000395710	<i>SDADI</i>	4:75949906–75990938	3,080	–2.34199	0.002877
ENST00000560612	<i>RPS17</i>	15:82536763–82540142	1,877	–2.34511	0.005026
ENST00000367483	<i>PRG4</i>	1:186296279–186314562	4,921	–2.35888	0.003941
ENST00000373856	<i>NONO</i>	X:71283590–71300269	1,921	–2.36611	0.009164
ENST00000527168	<i>GNPTG</i>	16:1351954–1363323	1,317	–2.37126	0.004163
ENST00000481464	<i>MINOS1</i>	1:19597039–19626629	657	–2.39375	0.007735
ENST00000592811	<i>FOSB</i>	19:45469876–45474597	3,089	–2.39438	0.005098
ENST00000306385	<i>BMP1</i>	8:22164736–22212326	4,229	–2.40121	0.002814
ENST00000445609	<i>NPHP1</i>	2:110123336–110204992	2,513	–2.40358	0.00977
ENST00000613002	<i>TAZ</i>	X:154411541–154421439	1,485	–2.40713	0.009747
ENST00000520223	<i>GPAT4</i>	8:41578415–41599226	1,101	–2.43096	0.007826
ENST00000392464	<i>RNF34</i>	12:121400144–121430623	1,722	–2.43519	0.003129
ENST00000276185	<i>FRMPD3</i>	X:107522450–107605244	7,304	–2.44121	0.008904
ENST00000236957	<i>EEF1B2</i>	2:206159585–206162928	844	–2.44187	0.000972
ENST00000617432	<i>CUL3</i>	2:224473934–224505971	1,426	–2.44303	0.008064
ENST00000448940	<i>CDC42BPA</i>	1:226989866–227080979	7,355	–2.44518	0.001444
ENST00000243643	<i>ZNF415</i>	19:53107879–53132892	2,270	–2.44728	0.003149
ENST00000432728	<i>SLC4A5</i>	2:74264148–74290705	905	–2.47049	0.004951
ENST00000393523	<i>SORBS2</i>	4:185662170–185812209	842	–2.47406	0.004229
ENST00000558014	<i>SEMA6D</i>	15:47184101–47774221	6,028	–2.47448	0.008001
ENST00000541779	<i>LPAR1</i>	9:110874321–111036207	2,490	–2.47932	0.003317
ENST00000548232	<i>NR4A1</i>	12:52051448–52055306	1,101	–2.48425	0.001402
ENST00000372862	<i>PABPC4</i>	1:39560816–39576253	2,470	–2.48559	0.005035
ENST00000476729	<i>FLOT1</i>	6:30730991–30740794	562	–2.48886	0.002415
ENST00000466398	<i>ZNF385B</i>	2:179441982–179585905	1,901	–2.49384	0.002844
ENST00000372407	<i>PTPRF</i>	1:43598839–43623663	4,600	–2.49467	0.005261
ENST00000503728	<i>LUC7L3</i>	17:50746619–50752585	783	–2.50009	0.0098
ENST00000340677	<i>CDK11B</i>	1:1635738–1659012	2,534	–2.50666	0.0004

ENST00000356887	<i>GYPC</i>	2:126655935–126696675	2,067	–2.5097	0.001171
ENST00000442555	<i>THOC5</i>	22:29508327–29554254	3,012	–2.51287	0.004041
ENST00000622754	<i>MINDY1</i>	1:150996086–151006404	2,637	–2.51634	0.005445
ENST00000399767	<i>BID</i>	22:17734142–17774495	2,129	–2.51767	0.004931
ENST00000621012	<i>NRSN2</i>	20:349633–354861	1,852	–2.51784	0.00829
ENST00000565464	<i>UQCRC2</i>	16:21953298–21962819	929	–2.52654	0.004715
ENST00000447489	<i>ANXA11</i>	10:80155640–80162012	750	–2.53011	0.00445
ENST00000429192	<i>ELN</i>	7:74028173–74069904	3,298	–2.53815	0.002904
ENST00000492027	<i>SLC37A3</i>	7:140335105–140351357	551	–2.54033	0.00625
ENST00000639491	<i>PIGN</i>	18:62044311–62076027	2,971	–2.54146	0.00128
ENST00000221972	<i>CD79A</i>	19:41877120–41881372	1,258	–2.54895	0.00984
ENST00000521345	<i>ANKRD46</i>	8:100529587–100559746	592	–2.54963	0.0068
ENST00000320460	<i>GLIPRIL2</i>	12:75391109–75424040	1,729	–2.5549	0.003371
ENST00000638198	<i>RIC8B</i>	12:106774746–106874520	1,611	–2.56654	0.003291
ENST00000552370	<i>TMBIM6</i>	12:49750620–49762948	882	–2.59619	0.009677
ENST00000602526	<i>FKTN</i>	9:105575001–105640640	7,036	–2.61079	0.008332
ENST00000525284	<i>LRRK1</i>	15:100924603–101069068	6,494	–2.61671	0.001134
ENST00000490095	<i>ARIH2</i>	3:48918836–48979613	1,001	–2.62594	0.008421
ENST00000393585	<i>CASP3</i>	4:184627696–184648592	2,624	–2.62708	0.002727
ENST00000635183	<i>DMRT2</i>	9:1049858–1057064	2,190	–2.62767	0.002303
ENST00000461140	<i>PLA2G2A</i>	1:19978246–19979067	573	–2.63075	0.006953
ENST00000456357	<i>BRI3</i>	7:98252379–98291524	667	–2.63264	0.004802
ENST00000373314	<i>FAM129B</i>	9:127505339–127578989	3,760	–2.64073	0.006455
ENST00000621607	<i>CASP7</i>	10:113691972–113730907	2,378	–2.64286	0.001507
ENST00000329397	<i>PTP4A3</i>	8:141421388–141432454	2,785	–2.64789	0.004751
ENST00000459299	<i>SNORD13</i>	8:33513475–33513578	104	–2.6574	0.004952
ENST00000589902	<i>MOB3A</i>	19:2078397–2096673	730	–2.65784	0.004818
ENST00000343827	<i>TCF12</i>	15:57219466–57288506	3,956	–2.66558	0.008303
ENST00000527617	<i>AP002004.1</i>	11:104906558–104918147	768	–2.66664	0.002059

ENST00000371372	<i>CACNA1B</i>	9:137877789–138124624	9,790	–2.67278	0.007612
ENST00000271751	<i>KCNHI</i>	1:210678314–211134180	8,172	–2.6804	0.00671
ENST00000432561	<i>CHFR</i>	12:132840975–132887608	2,648	–2.68769	0.001335
ENST00000641095	<i>IGHG2</i>	14:105639559–105644790	2,594	–2.68943	0.007257
ENST00000514539	<i>TACC2</i>	10:122192448–122226480	2,239	–2.696	0.00961
ENST00000618972	<i>NEB</i>	2:151485339–151734487	26,307	–2.69947	0.00671
ENST00000439936	<i>COPS3</i>	17:17246874–17280700	1,394	–2.71214	0.004396
ENST00000559064	<i>SEMA6D</i>	15:47766577–47767515	580	–2.72402	0.008662
ENST00000497497	<i>SLC18A2</i>	10:117241093–117279430	4,125	–2.73016	0.001986
ENST00000555152	<i>STRN3</i>	14:30947112–30964509	567	–2.73093	0.005106
ENST00000400520	<i>PLA2G2A</i>	1:19975432–19979743	974	–2.7317	0.000412
ENST00000593165	<i>HAUS1</i>	18:46104422–46128239	1,079	–2.73518	0.005229
ENST00000371706	<i>SEC16A</i>	9:136440101–136477115	8,093	–2.73698	0.003892
ENST00000524795	<i>DIS3L</i>	15:66293307–66325988	1,504	–2.74042	0.00792
ENST00000513560	<i>NNT-AS1</i>	5:43571594–43603104	4,769	–2.74157	0.005933
ENST00000523841	<i>CCDC25</i>	8:27735813–27772607	947	–2.74649	0.007675
ENST00000421525	<i>ZNF561</i>	19:9617058–9621234	561	–2.75048	0.009127
ENST00000359947	<i>PTPRF</i>	1:43530876–43623666	7,727	–2.75458	0.005959
ENST00000265362	<i>SEMA3A</i>	7:83955777–84194901	8,225	–2.77194	0.00236
ENST00000301183	<i>DMAC2</i>	19:41431756–41439539	1,134	–2.78219	0.005009
ENST00000438672	<i>EFEMP1</i>	2:55917665–55923781	733	–2.78224	0.000816
ENST00000416624	<i>CD69</i>	12:9754568–9760901	962	–2.78589	0.006547
ENST00000475591	<i>UBXN11</i>	1:26282282–26306636	2,542	–2.79223	0.002823
ENST00000470439	<i>NRSN2</i>	20:348300–353503	697	–2.79405	0.005542
ENST00000373991	<i>SCAND1</i>	20:35953629–35959472	1,727	–2.79442	0.00226
ENST00000610997	<i>GPR107</i>	9:130053925–130136123	2,813	–2.80118	0.007928
ENST00000515818	<i>RPS3A</i>	4:151099629–151104238	572	–2.8014	0.005193
ENST00000331523	<i>EEF1A1</i>	6:73517521–73521721	1,923	–2.80419	0.009056
ENST00000595851	<i>SLC27A5</i>	19:58479512–58499263	2,003	–2.80798	0.002381

ENST00000417811	<i>DPY19LIP1</i>	7:32580949–32761787	2,594	–2.81309	4.92E–05
ENST00000354755	<i>CCDC81</i>	11:86374736–86423108	2,510	–2.81352	0.003464
ENST00000475541	<i>PURG</i>	8:31030841–31033715	2,875	–2.82281	0.009461
ENST00000442253	<i>PAQR8</i>	6:52362128–52407777	4,738	–2.83301	9.15E–05
ENST00000504148	<i>TIMM8B</i>	11:112084800–112086795	819	–2.83599	0.005605
ENST00000503602	<i>AC004803.1</i>	12:974133–990041	3,207	–2.83698	0.001591
ENST00000491786	<i>TTC7A</i>	2:46978740–47075557	3,615	–2.83821	0.001036
ENST00000380995	<i>TBC1D22A</i>	22:46762617–47175699	3,934	–2.84192	0.009177
ENST00000354901	<i>SMG6</i>	17:2059850–2266199	3,473	–2.85595	0.005178
ENST00000495306	<i>SH2D2A</i>	1:156814498–156816760	899	–2.88041	0.008272
ENST00000292733	<i>MED15</i>	22:20507602–20587632	3,252	–2.88695	0.000331
ENST00000629504	<i>GABARAPL1</i>	12:10212883–10213877	379	–2.89493	0.005662
ENST00000409445	<i>CAPS2</i>	12:75275979–75330056	2,135	–2.90188	0.001685
ENST00000358867	<i>TMEM126B</i>	11:85628585–85636502	989	–2.90236	0.000798
ENST00000557021	<i>UBE2V1</i>	20:50081124–50113198	2,258	–2.91944	0.005465
ENST00000360958	<i>TPM2</i>	9:35682930–35689922	1,189	–2.92714	0.00882
ENST00000531372	<i>IGLL5</i>	22:22887829–22895825	882	–2.94265	0.003969
ENST00000517485	<i>RAD21</i>	8:116857279–116874528	874	–2.95339	0.006942
ENST00000584265	<i>MRC2</i>	17:62627685–62676604	2,025	–2.96088	0.001069
ENST00000341217	<i>FAM222B</i>	17:28755978–28777171	4,033	–2.96111	0.006011
ENST00000485641	<i>UXT</i>	X:47651801–47659107	627	–2.97025	0.009777
ENST00000357338	<i>DLK2</i>	6:43450354–43456632	2,038	–2.97446	0.007788
ENST00000530885	<i>APBB1</i>	11:6395468–6404898	1,626	–2.98219	0.009212
ENST00000398473	<i>LARP4</i>	12:50400899–50480004	6,427	–2.99343	0.000328
ENST00000392715	<i>EIF5</i>	14:103334861–103342640	3,417	–3.00307	0.007348
ENST00000375259	<i>SLC35D2</i>	9:96320707–96383710	1,361	–3.00391	0.006175
ENST00000600092	<i>HNRNPM</i>	19:8444971–8485648	1,086	–3.00835	0.000863
ENST00000324306	<i>ZKSCAN1</i>	7:100015581–100041689	9,418	–3.01207	0.0095
ENST00000371374	<i>RCAN2</i>	6:46220738–46491362	3,327	–3.01804	0.005164

ENST00000481536	<i>EFCC1</i>	3:129030449–129040740	1,963	–3.02181	0.002596
ENST00000561243	<i>ACAN</i>	15:88836207–88874481	7,593	–3.0341	0.003843
ENST00000622252	<i>DISC1</i>	1:231626815–232041270	6,927	–3.03875	0.00154
ENST00000520202	<i>CCDC25</i>	8:27735052–27772639	1,734	–3.04194	0.000463
ENST00000429851	<i>CEP350</i>	1:180073819–180113380	6,096	–3.04385	0.005705
ENST00000426215	<i>CTNNB1</i>	3:41194837–41224711	563	–3.04393	0.003663
ENST00000509059	<i>SPEF2</i>	5:35617844–35710850	4,707	–3.04588	0.00885
ENST00000369977	<i>MYO6</i>	6:75749332–75916612	5,597	–3.0536	0.002612
ENST00000378641	<i>PLCB1</i>	20:8132138–8884889	7,323	–3.06109	0.003984
ENST00000403477	<i>TBC1D10A</i>	22:30291993–30326901	1,950	–3.06181	0.001654
ENST00000296575	<i>HHIP</i>	4:144646021–144745271	10,072	–3.06479	0.000694
ENST00000543351	<i>VDAC2</i>	10:75210154–75231444	1,424	–3.06489	0.004198
ENST00000359576	<i>CLASP2</i>	3:33496249–33718213	7,141	–3.06634	0.008175
ENST00000578237	<i>TRIM16</i>	17:15627960–15684300	3,206	–3.06778	0.007784
ENST00000326665	<i>ERICH3</i>	1:74568111–74673738	7,159	–3.08358	0.006182
ENST00000358835	<i>REV3L</i>	6:111299052–111483715	10,815	–3.08513	0.008818
ENST00000590325	<i>CALR</i>	19:12938614–12940370	781	–3.0889	0.000648
ENST00000325558	<i>PGA3</i>	11:61203380–61213098	1,748	–3.09226	0.003743
ENST00000553380	<i>ZFP37</i>	9:113042694–113056688	1,969	–3.10117	0.000217
ENST00000612061	<i>HIST2H4B</i>	1:149859185–149861148	1,694	–3.10375	0.001902
ENST00000494601	<i>HAT1</i>	2:171922607–171983623	3,845	–3.1042	0.000207
ENST00000393193	<i>NME1-NME2</i>	17:51153590–51171744	1,021	–3.10775	0.000691
ENST00000519580	<i>NDRG1</i>	8:133256840–133296555	550	–3.12427	0.001357
ENST00000487990	<i>RCAN1</i>	21:34516484–34560179	2,520	–3.1342	0.00192
ENST00000368876	<i>AMD1</i>	6:110875575–110895713	3,040	–3.16193	0.006963
ENST00000543381	<i>DCP1B</i>	12:1946152–2004470	2,073	–3.16798	0.003181
ENST00000347925	<i>KLHDC4</i>	16:87707812–87765976	1,821	–3.16961	0.004158
ENST00000358187	<i>ITPRIP</i>	10:104312144–104328924	3,981	–3.1818	0.006778
ENST00000479364	<i>NFIA</i>	1:61081767–61406727	1,010	–3.20123	0.0084

ENST00000444040	<i>SHQ1</i>	3:72749279–72848415	2,844	–3.21309	0.000853
ENST00000261377	<i>REXO5</i>	16:20806499–20849668	2,722	–3.21404	0.003888
ENST00000530901	<i>TMEM126B</i>	11:85628619–85631791	478	–3.21458	0.007278
ENST00000515013	<i>PRDM8</i>	4:80185270–80202745	2,514	–3.22287	0.007855
ENST00000521180	<i>ST3GAL1</i>	8:133454853–133571925	6,951	–3.22936	0.004446
ENST00000512955	<i>AMOTL2</i>	3:134367654–134374560	551	–3.24257	0.001512
ENST00000488797	<i>PSIP1</i>	9:15491952–15510991	736	–3.24386	0.002279
ENST00000373253	<i>NCDN</i>	1:35557473–35566772	3,677	–3.25228	0.005524
ENST00000284669	<i>KLHL41</i>	2:169509702–169526262	2,464	–3.26748	0.004265
ENST00000374776	<i>PARD3</i>	10:34312256–34815321	3,389	–3.26857	0.005273
ENST00000494731	<i>ZDHHC20</i>	13:21376519–21421107	995	–3.26907	0.001878
ENST00000560606	<i>RBPMS2</i>	15:64739892–64761217	1,746	–3.2716	0.004289
ENST00000424077	<i>NR4A2</i>	2:156329413–156332713	1,010	–3.27543	0.001822
ENST00000487164	<i>TCEA2</i>	20:64063158–64070209	1,060	–3.27553	0.000188
ENST00000373545	<i>PHKA1</i>	X:72578814–72714319	6,173	–3.2778	0.005725
ENST00000258743	<i>IL6</i>	7:22727147–22732000	1,182	–3.27826	0.002299
ENST00000589042	<i>TTN</i>	2:178525989–178807423	109,224	–3.2789	0.004074
ENST00000443702	<i>RBM14</i>	11:66616646–66624467	732	–3.28352	0.004444
ENST00000296046	<i>CPA3</i>	3:148865256–148897196	1,795	–3.28608	0.004551
ENST00000440685	<i>SI00A13</i>	1:153618802–153628239	686	–3.29388	0.002221
ENST00000266041	<i>ITIH4</i>	3:52812975–52830739	3,336	–3.29576	0.001109
ENST00000382533	<i>SAP18</i>	13:21140514–21149082	2,298	–3.29795	0.000474
ENST00000433736	<i>ITGAV</i>	2:186600205–186677441	3,288	–3.29934	0.00373
ENST00000533951	<i>PRG4</i>	1:186296279–186306478	531	–3.30075	8.65E–05
ENST00000250378	<i>CMA1</i>	14:24505353–24508265	937	–3.3027	0.002467
ENST00000578517	<i>PLXDC1</i>	17:39067130–39153027	2,605	–3.31051	0.00405
ENST00000464055	<i>ZDHHC20</i>	13:21376347–21387557	562	–3.31234	0.006568
ENST00000494180	<i>CALHM2</i>	10:103449625–103451572	965	–3.31293	0.000537
ENST00000528834	<i>YAP1</i>	11:102226973–102230502	1,025	–3.31591	0.00382

ENST00000587133	<i>EEF2KMT</i>	16:5085572–5097742	873	–3.32073	0.007506
ENST00000578205	<i>RHOT1</i>	17:32142673–32225503	2,771	–3.32804	0.002789
ENST00000635751	<i>CLN8</i>	8:1763777–1781225	1,807	–3.33727	0.006563
ENST00000617306	<i>MS4A2</i>	11:60088664–60098466	3,512	–3.33953	0.007871
ENST00000379116	<i>SCNN1D</i>	1:1280436–1292019	3,044	–3.34243	0.001472
ENST00000401811	<i>TOMM5</i>	9:37588458–37592604	789	–3.34343	9.56E–05
ENST00000358704	<i>ZBTB18</i>	1:244051283–244057476	3,851	–3.34774	0.003693
ENST00000375175	<i>TMOD1</i>	9:97555435–97601254	2,516	–3.35349	0.005757
ENST00000375669	<i>TUBGCP3</i>	13:112498807–112588125	2,723	–3.35369	6.21E–06
ENST00000417972	<i>NR4A2</i>	2:156325100–156331965	2,450	–3.35633	0.00836
ENST00000502396	<i>MLIP</i>	6:54111448–54266043	3,102	–3.35655	0.001259
ENST00000296518	<i>GUCY1A3</i>	4:155667198–155732349	4,400	–3.35795	0.003518
ENST00000399510	<i>DLG4</i>	17:7189890–7219702	3,975	–3.35999	0.001143
ENST00000618342	<i>LRRC6</i>	8:132571953–132661667	1,754	–3.36249	0.006761
ENST00000556188	<i>BEGAIN</i>	14:100538888–100569558	1,010	–3.3713	0.000693
ENST00000479210	<i>GLI3</i>	7:41964082–42152453	4,968	–3.37194	0.001698
ENST00000544153	<i>CLIC5</i>	6:45911624–46015889	2,051	–3.37226	0.005256
ENST00000536709	<i>CD69</i>	12:9754139–9760901	1,020	–3.37284	0.006431
ENST00000312858	<i>GPATCH2L</i>	14:76151935–76202788	2,438	–3.37348	0.009825
ENST00000615148	<i>C18orf8</i>	18:23503470–23531807	1,958	–3.37479	0.00368
ENST00000265340	<i>PITX1</i>	5:135027735–135034298	2,406	–3.37865	0.000116
ENST00000512158	<i>CXCL14</i>	5:135570679–135579064	1,760	–3.38471	0.000569
ENST00000485566	<i>MXI1</i>	10:110227643–110286506	2,755	–3.38967	0.001899
ENST00000326335	<i>CUL4A</i>	13:113208694–113265072	3,705	–3.39284	0.007501
ENST00000329433	<i>HNRNP1I</i>	5:179614181–179623168	2,114	–3.40224	0.002085
ENST00000617422	<i>CNTNAP3B</i>	9:41938060–42129125	2,170	–3.42104	0.004338
ENST00000381496	<i>DIP2C</i>	10:274190–486558	7,749	–3.42319	0.00185
ENST00000412568	<i>PTPRF</i>	1:43591021–43622283	4,154	–3.4312	0.004134
ENST00000294724	<i>AGL</i>	1:99850489–99924020	7,446	–3.43128	0.007335

ENST00000373960	<i>DES</i>	2:219418377–219426739	2,248	–3.4335	0.002575
ENST00000354753	<i>GPSMI</i>	9:136331983–136359605	3,533	–3.43587	0.00694
ENST00000413800	<i>GAL3ST4</i>	7:100159244–100167284	2,334	–3.44649	0.000377
ENST00000589100	<i>RASGRP4</i>	19:38412415–38426197	2,303	–3.44768	0.001514
ENST00000474033	<i>MXRA8</i>	1:1352689–1354264	1,171	–3.48397	0.000123
ENST00000431660	<i>SRI</i>	7:88207676–88226976	1,418	–3.48413	0.004451
ENST00000398659	<i>EIPRI</i>	2:3188925–3377830	1,795	–3.48518	0.009881
ENST00000432749	<i>CIQB</i>	1:22653189–22661316	977	–3.48723	3.40E–05
ENST00000499869	<i>WDR1</i>	4:10074339–10116860	3,054	–3.49206	0.000823
ENST00000261509	<i>PALLD</i>	4:168497066–168928457	5,809	–3.49357	0.001867
ENST00000262097	<i>ASAHI</i>	8:18056416–18084370	2,618	–3.5009	0.002804
ENST00000439527	<i>UBA2</i>	19:34428876–34469890	2,802	–3.50127	0.001842
ENST00000451958	<i>SORBS2</i>	4:185657570–185811749	594	–3.50142	0.001377
ENST00000632728	<i>CELF2</i>	10:11018776–11331299	3,827	–3.50626	0.007882
ENST00000369620	<i>G6PD</i>	X:154532000–154547572	1,799	–3.50802	0.003388
ENST00000381135	<i>RCANI</i>	21:34516445–34525467	2,526	–3.51472	0.007933
ENST00000352886	<i>SHMT1</i>	17:18327860–18363563	2,437	–3.52243	0.006769
ENST00000409343	<i>ZNF385B</i>	2:179441993–179746042	2,750	–3.53198	0.000219
ENST00000397713	<i>AMZ2P1</i>	17:64968038–64975576	2,259	–3.53314	0.008306
ENST00000556792	<i>IL1IRA</i>	9:34653864–34657122	575	–3.53934	0.008318
ENST00000549389	<i>CERS5</i>	12:50143074–50167328	558	–3.54081	0.008121
ENST00000381095	<i>NLGN4X</i>	X:5890026–6228863	5,870	–3.54283	0.003975
ENST00000358307	<i>FUT8</i>	14:65413008–65743142	2,664	–3.55034	0.001041
ENST00000309889	<i>TCAP</i>	17:39664187–39666555	2,123	–3.55121	0.002511
ENST00000461251	<i>CXorf57</i>	X:106611975–106638678	2,299	–3.55177	0.002923
ENST00000368068	<i>MED23</i>	6:131586733–131628229	5,233	–3.55432	0.003672
ENST00000514611	<i>PFDN1</i>	5:140245087–140300583	1,139	–3.55524	0.004908
ENST00000259895	<i>GTF2H4</i>	6:30908184–30914106	1,735	–3.55634	0.000148
ENST00000462055	<i>EXOC4</i>	7:133253095–133481078	2,364	–3.56662	1.36E–07

ENST00000261180	<i>TRHDE</i>	12:72272683–72670757	10,733	–3.59066	0.001493
ENST00000371744	<i>ZNFX1</i>	20:49255808–49278041	2,964	–3.60024	0.003966
ENST00000399959	<i>DDX3X</i>	X:41333398–41350274	5,399	–3.60567	0.000654
ENST00000413938	<i>FEZ2</i>	2:36552258–36594566	1,940	–3.60599	0.00154
ENST00000536068	<i>ZNF214</i>	11:6999363–7020235	2,562	–3.61144	0.007962
ENST00000400798	<i>KAZN</i>	1:14929800–15068155	3,643	–3.62597	0.005435
ENST00000318443	<i>CD276</i>	15:73684213–73714518	3,469	–3.62748	0.000103
ENST00000495759	<i>ELP1</i>	9:108867517–108893083	2,840	–3.63126	0.001522
ENST00000211076	<i>TPSD1</i>	16:1256133–1258998	1,499	–3.63904	0.006552
ENST00000623724	<i>IKZF3</i>	17:39757721–39864188	9,787	–3.64355	0.000916
ENST00000301607	<i>EVPL</i>	17:76006845–76027452	6,614	–3.6591	0.002733
ENST00000615922	<i>EOGT</i>	3:68975227–68977157	1,931	–3.66274	0.002944
ENST00000299798	<i>SLC9A5</i>	16:67248950–67272190	3,736	–3.67104	0.002186
ENST00000532402	<i>GANAB</i>	11:62624826–62646602	3,718	–3.67358	0.007132
ENST00000353126	<i>ST3GAL3</i>	1:43707533–43931165	1,969	–3.67458	0.00233
ENST00000296015	<i>TTC14</i>	3:180602130–180610978	2,881	–3.68261	0.002691
ENST00000637539	<i>IGHM</i>	14:105851708–105856218	1,683	–3.68561	0.00354
ENST00000456171	<i>COBLL1</i>	2:164700553–164841823	1,793	–3.68699	0.00455
ENST00000336655	<i>TMEM217</i>	6:37212181–37257596	1,546	–3.68795	0.000404
ENST00000510792	<i>6-Mar</i>	5:10401857–10433684	1,963	–3.69322	0.000308
ENST00000353788	<i>SNX16</i>	8:81799581–81842193	3,032	–3.69461	0.00127
ENST00000412398	<i>CCDC51</i>	3:48432170–48440119	1,385	–3.70799	0.007745
ENST00000332246	<i>CSGALNACT1</i>	8:19404161–19682583	3,872	–3.71405	1.22E–05
ENST00000371218	<i>FGGY</i>	1:59296981–59762724	2,052	–3.71667	0.002787
ENST00000345913	<i>TPO</i>	2:1413461–1542726	3,145	–3.72087	0.007677
ENST00000400561	<i>MICAL3</i>	22:17834328–17906835	3,046	–3.73544	0.005751
ENST00000396991	<i>PGAP2</i>	11:3808290–3826370	1,798	–3.75326	0.005306
ENST00000479246	<i>PPOX</i>	1:161166439–161168545	963	–3.7539	4.61E–05
ENST00000302125	<i>MZB1</i>	5:139387568–139389914	825	–3.75806	0.007563

ENST00000338895	<i>DFFB</i>	1:3857267–3885420	3,105	–3.75826	0.001895
ENST00000619051	<i>FAM166B</i>	9:35561832–35563899	1,026	–3.75865	0.00943
ENST00000342753	<i>MXRA8</i>	1:1352689–1358794	2,231	–3.76264	0.000197
ENST00000358127	<i>PAX5</i>	9:36833275–37034185	8,615	–3.76382	0.002117
ENST00000492120	<i>AHR</i>	7:17335645–17339527	684	–3.76627	0.004403
ENST00000390549	<i>IGHG1</i>	14:105741338–105743071	1,128	–3.76701	0.001598
ENST00000400053	<i>PTPRM</i>	18:7754973–8406856	5,292	–3.76862	0.000707
ENST00000357167	<i>BTBD11</i>	12:107580650–107659642	4,107	–3.77303	0.009679
ENST00000474136	<i>APP</i>	21:26009596–26170746	1,309	–3.78058	0.000281
ENST00000522032	<i>ZFAND1</i>	8:81702324–81714040	784	–3.79126	0.002986
ENST00000392088	<i>TUBA4A</i>	2:219249711–219254608	2,499	–3.79181	0.006631
ENST00000426639	<i>COL24A1</i>	1:85730082–86156763	6,036	–3.79857	0.004822
ENST00000303045	<i>COL22A1</i>	8:138588235–138913993	6,346	–3.79944	0.00241
ENST00000561220	<i>DUOX1</i>	15:45130038–45164966	4,705	–3.80484	0.003471
ENST00000540449	<i>MXD1</i>	2:69915041–69942938	5,580	–3.80745	0.009884
ENST00000340800	<i>ACSL4</i>	X:109641337–109733392	5,333	–3.80832	0.000925
ENST00000627328	<i>PTP4A2</i>	1:31913003–31919470	615	–3.81033	0.004221
ENST00000370243	<i>BCAR3</i>	1:93561794–93681370	3,200	–3.82409	0.008188
ENST00000244364	<i>DST</i>	6:56457987–56642996	16,742	–3.82744	0.000112
ENST00000470772	<i>IMPDH1</i>	7:128392739–128405942	1,888	–3.83112	0.002787
ENST00000368301	<i>LMNA</i>	1:156082578–156137865	2,461	–3.83384	0.00026
ENST00000614713	<i>RAB13</i>	1:153981617–153985366	1,353	–3.84277	0.001233
ENST00000635758	<i>ATG5</i>	6:106184476–106325738	3,035	–3.8476	0.004099
ENST00000407087	<i>TIMD4</i>	5:156919389–156963222	1,145	–3.84823	0.003592
ENST00000492002	<i>EGFL7</i>	9:136665788–136671993	654	–3.84911	0.006295
ENST00000470056	<i>GAPVD1</i>	9:125261832–125367207	8,923	–3.85209	0.002583
ENST00000510532	<i>CMBL</i>	5:10280466–10307563	701	–3.85962	0.000114
ENST00000475218	<i>UPF3A</i>	13:114286385–114305808	1,791	–3.86541	0.001326
ENST00000613690	<i>ZNF107</i>	7:64666083–64711582	5,589	–3.86683	0.00043

ENST00000556146	<i>CDK2</i>	12:55967462–55971087	911	–3.87277	3.99E–05
ENST00000262795	<i>SHANK3</i>	22:50674642–50733210	7,091	–3.87673	0.009193
ENST00000436581	<i>RUNXIT1</i>	8:91954967–92095654	7,454	–3.8836	0.001732
ENST00000525532	<i>SORL1</i>	11:121566725–121629684	3,836	–3.88972	0.007533
ENST00000449090	<i>PPP1R21</i>	2:48440769–48515391	3,049	–3.89864	0.008007
ENST00000299732	<i>IQCD</i>	12:113195441–113221094	1,369	–3.90073	0.001713
ENST00000601001	<i>PNPLA6</i>	19:7534199–7540254	866	–3.90743	0.009783
ENST00000544481	<i>UBC</i>	12:124913350–124914065	477	–3.9161	0.002732
ENST00000406900	<i>SIRT1</i>	10:67891484–67918390	3,295	–3.92656	0.000463
ENST00000390299	<i>IGLV1-40</i>	22:22409766–22410282	407	–3.95731	0.002145
ENST00000416373	<i>RAD23B</i>	9:107284053–107332192	3,835	–3.95966	0.000183
ENST00000345732	<i>MS4A1</i>	11:60455809–60470752	3,331	–3.96402	0.001907
ENST00000372692	<i>SET</i>	9:128683655–128696400	2,850	–3.96783	0.001135
ENST00000381579	<i>TNNT3</i>	11:1919706–1938706	1,042	–3.97994	0.004159
ENST00000511828	<i>AC083902.2</i>	4:99636529–99654648	10,086	–3.9882	0.009228
ENST00000553530	<i>RGS6</i>	14:71933116–72566526	5,685	–4.01476	0.004111
ENST00000482309	<i>ABCB8</i>	7:151028426–151045409	1,994	–4.0464	0.003156
ENST00000354655	<i>ACSL5</i>	10:112374018–112428376	3,351	–4.04674	0.001606
ENST00000264318	<i>GABRA4</i>	4:46918900–46994407	11,973	–4.06306	0.001984
ENST00000390325	<i>IGLC3</i>	22:22906342–22906803	462	–4.06764	0.000122
ENST00000335211	<i>IGFNI</i>	1:201190825–201228952	11,810	–4.07517	0.002859
ENST00000399187	<i>DRC3</i>	17:17972885–18016889	2,008	–4.07834	0.009223
ENST00000605447	<i>ARF4P1</i>	9:134078904–134079444	541	–4.07974	0.004543
ENST00000309212	<i>MXRA8</i>	1:1352691–1358535	2,273	–4.08141	0.000146
ENST00000641136	<i>IGHG3</i>	14:105764503–105771405	2,751	–4.08532	5.96E–05
ENST00000478464	<i>MRPS22</i>	3:139344565–139357014	1,065	–4.08854	3.76E–05
ENST00000185206	<i>CLIC5</i>	6:45898451–46080395	6,023	–4.08931	0.00117
ENST00000448492	<i>CCDC117</i>	22:28772674–28789301	3,937	–4.09727	0.004519
ENST00000612142	<i>TPSB2</i>	16:1228337–1230162	1,352	–4.10193	0.001397

ENST00000340578	<i>RANBP3</i>	19:5916139–5978140	3,233	–4.10352	1.88E–05
ENST00000528996	<i>SERPING1</i>	11:57606407–57614833	956	–4.105	6.25E–05
ENST00000544162	<i>WWP2</i>	16:69798865–69940178	2,723	–4.11053	0.005197
ENST00000216336	<i>CTSG</i>	14:24573556–24576260	886	–4.11517	0.005356
ENST00000487587	<i>STK4</i>	20:44966553–44975684	1,850	–4.11724	0.001974
ENST00000517849	<i>FAM135B</i>	8:138265819–138477440	547	–4.11792	0.004946
ENST00000443433	<i>MYD88</i>	3:38138661–38141450	914	–4.12095	0.007822
ENST00000592643	<i>H3F3B</i>	17:75778250–75779758	795	–4.13811	0.001029
ENST00000246784	<i>BCL2L12</i>	19:49666007–49673916	990	–4.14695	0.000212
ENST00000514140	<i>FAM47E-STBD</i>	4:76263812–76311129	2,532	–4.147	0.000457
ENST00000398169	<i>CCNB1IP1</i>	14:20311370–20329380	1,631	–4.15203	0.002662
ENST00000392687	<i>CERS6</i>	2:168456249–168775134	6,851	–4.15514	0.001528
ENST00000306821	<i>NEGR1</i>	1:71402944–72100930	5,577	–4.16558	0.007224
ENST00000540613	<i>EPS8</i>	12:15621203–15662692	2,204	–4.18299	0.000286
ENST00000482467	<i>ZNF644</i>	1:91020529–91021725	710	–4.18946	0.001981
ENST00000262113	<i>MYOM2</i>	8:2045040–2145456	5,014	–4.20265	0.002022
ENST00000424873	<i>FAR2P2</i>	2:130416755–130427986	2,070	–4.2044	0.007734
ENST00000483970	<i>HAX1</i>	1:154272609–154275873	1,151	–4.20692	0.001849
ENST00000392844	<i>ORC3</i>	6:87590121–87667451	2,512	–4.22033	4.68E–05
ENST00000562985	<i>ZNF821</i>	16:71861779–71884641	906	–4.22068	0.009104
ENST00000520770	<i>LRP12</i>	8:104497754–104589009	853	–4.24875	0.002714
ENST00000440324	<i>NEXN</i>	1:77888662–77935919	1,456	–4.25045	2.23E–05
ENST00000314728	<i>EPN2</i>	17:19237341–19336715	4,871	–4.25852	0.000583
ENST00000448611	<i>LMNA</i>	1:156126160–156140013	1,943	–4.25932	0.003067
ENST00000476104	<i>SLC48A1</i>	12:47778366–47779192	567	–4.26382	0.004626
ENST00000525239	<i>WDR74</i>	11:62832912–62841809	1,736	–4.26439	0.000285
ENST00000524020	<i>HACE1</i>	6:104833060–104859560	622	–4.28399	0.000788
ENST00000329819	<i>MRPL11</i>	11:66435838–66438834	922	–4.28893	0.004369
ENST00000261173	<i>ATP2B1</i>	12:89588051–89656067	6,777	–4.29427	0.001022

ENST00000377551	<i>NRXN2</i>	11:64606174–64713911	6,373	–4.29944	0.006785
ENST00000405844	<i>TMEM196</i>	7:19719310–19773392	4,054	–4.31363	6.49E–05
ENST00000585156	<i>PDE4DIP</i>	1:148808485–149032955	8,439	–4.31391	0.000407
ENST00000561457	<i>TMEM250</i>	9:136114581–136118431	2,804	–4.31464	0.007317
ENST00000425141	<i>SLC4A3</i>	2:219627627–219641728	3,936	–4.32304	0.001942
ENST00000598744	<i>ZNF304</i>	19:57351326–57358780	3,331	–4.33756	7.74E–06
ENST00000335290	<i>WDR25</i>	14:100376494–100530303	2,123	–4.34359	0.000456
ENST00000217182	<i>EEF1A2</i>	20:63488013–63499315	2,006	–4.34524	0.000313
ENST00000447924	<i>ACKR3</i>	2:236567787–236581097	713	–4.34777	0.00034
ENST00000519256	<i>RANBP17</i>	5:170862018–171243064	3,375	–4.35353	0.003958
ENST00000470620	<i>KATNA1</i>	6:149598268–149648693	754	–4.35864	0.002332
ENST00000577442	<i>CDK5RAP3</i>	17:47971018–47974556	617	–4.3653	0.004279
ENST00000366491	<i>GCSAML</i>	1:247507115–247577667	4,130	–4.37229	0.008665
ENST00000616406	<i>TSPAN14</i>	10:80489212–80519628	2,436	–4.37585	0.002883
ENST00000527986	<i>WAC-AS1</i>	10:28522652–28532743	2,323	–4.38051	0.000976
ENST00000540306	<i>DHX8</i>	17:43483963–43526786	3,809	–4.38278	0.000313
ENST00000565723	<i>RPL4</i>	15:66499323–66499818	408	–4.38808	0.001214
ENST00000523407	<i>FAM120AOS</i>	9:93446525–93451524	1,735	–4.38814	0.001893
ENST00000177648	<i>ALPK1</i>	4:112297370–112441812	4,537	–4.39682	8.39E–05
ENST00000396625	<i>COL4A4</i>	2:227002711–227164113	9,895	–4.39733	0.002327
ENST00000346964	<i>DLG1</i>	3:197042560–197298576	5,034	–4.39743	0.002476
ENST00000618003	<i>AC233755.1</i>	KI270726.1:41444–41876	351	–4.4021	0.003412
ENST00000394826	<i>NSRP1</i>	17:30116820–30185744	1,800	–4.41748	0.001726
ENST00000460403	<i>POMP</i>	13:28659104–28678925	1,428	–4.42989	3.57E–06
ENST00000536845	<i>SEMA6D</i>	15:47717363–47771933	3,754	–4.45073	6.16E–08
ENST00000557447	<i>RHOJ</i>	14:63204114–63293219	1,837	–4.45891	0.006034
ENST00000442107	<i>TMEM106B</i>	7:12211323–12214885	496	–4.46066	0.006044
ENST00000611883	<i>PCGF2</i>	17:38734280–38746628	2,179	–4.46491	0.0002
ENST00000404739	<i>NT5C2</i>	10:103088017–103174982	3,365	–4.47471	0.001789

ENST00000616794	<i>EMX2</i>	10:117543568–117549542	1,584	–4.47987	0.000694
ENST00000640103	<i>AVL9</i>	7:32495564–32559958	1,367	–4.48359	0.001945
ENST00000339430	<i>LITAF</i>	16:11548000–11586373	2,356	–4.48491	0.001668
ENST00000425528	<i>TNPO2</i>	19:12699194–12723996	5,122	–4.48788	0.000113
ENST00000397587	<i>CLASP1</i>	2:121337776–121649476	7,915	–4.51027	0.004262
ENST00000388090	<i>SNORA40</i>	11:93735111–93735236	126	–4.51972	0.000569
ENST00000259089	<i>BLK</i>	8:11494001–11564604	2,606	–4.52638	0.002928
ENST00000455274	<i>TTLL3</i>	3:9819303–9855138	2,848	–4.5289	0.001449
ENST00000583211	<i>LIMD2</i>	17:63697833–63700132	1,298	–4.52948	0.008222
ENST00000396191	<i>PDE1C</i>	7:31753018–32070849	2,952	–4.53396	3.07E–05
ENST00000354646	<i>WNK3</i>	X:54192825–54358005	11,341	–4.54186	0.00061
ENST00000380172	<i>MTAP</i>	9:21802543–21867078	6,122	–4.54298	2.88E–05
ENST00000611297	<i>GOLGA6L17P</i>	15:82519590–82523693	586	–4.56062	0.009201
ENST00000561502	<i>AADACPI</i>	3:151770474–151784421	1,193	–4.56542	0.002368
ENST00000637508	<i>PLEKHA6</i>	1:204220756–204307395	5,704	–4.57081	0.00024
ENST00000549992	<i>NUDT4</i>	12:93378550–93402301	3,607	–4.5759	3.06E–05
ENST00000411719	<i>GPR1</i>	2:206177027–206218047	603	–4.57736	0.003958
ENST00000420047	<i>SEMA3A</i>	7:84110476–84195161	553	–4.5824	0.004114
ENST00000419155	<i>PHF19</i>	9:120855652–120868911	3,525	–4.60015	0.005299
ENST00000402306	<i>URGCP</i>	7:43875913–43906615	3,563	–4.60278	0.001376
ENST00000527548	<i>FAU</i>	11:65120631–65122113	538	–4.60688	0.000406
ENST00000379535	<i>MORF4L1</i>	15:78810487–78897730	2,274	–4.61873	3.97E–05
ENST00000496136	<i>ECHDC3</i>	10:11742366–11764070	1,767	–4.62183	0.00447
ENST00000436190	<i>MAPRE2</i>	18:34978244–35143470	4,323	–4.62759	0.000183
ENST00000398527	<i>MSL3</i>	X:11758582–11775747	2,324	–4.6363	0.002176
ENST00000619888	<i>PAMR1</i>	11:35431823–35526031	3,142	–4.64072	0.000305
ENST00000398097	<i>NHS</i>	X:17635293–17735978	8,213	–4.6465	0.000446
ENST00000371848	<i>WDR44</i>	X:118392748–118449336	2,844	–4.65098	0.004942
ENST00000615671	<i>GABPB1</i>	15:50348936–50355201	6,266	–4.66815	7.58E–05

ENST00000356192	<i>GJB6</i>	13:20221971–20232395	2,131	–4.6702	0.004691
ENST00000357409	<i>VPS13A</i>	9:77177534–77385191	9,967	–4.67354	2.82E–05
ENST00000395451	<i>SNX24</i>	5:122845605–123008161	1,050	–4.67504	2.77E–05
ENST00000318876	<i>ZFYVE1</i>	14:72969452–73027131	4,362	–4.67885	0.008952
ENST00000442035	<i>UBA1</i>	X:47193829–47201610	1,054	–4.68761	0.001824
ENST00000420401	<i>ECHDC3</i>	10:11742446–11755581	854	–4.6982	0.003413
ENST00000358075	<i>MAGT1</i>	X:77826364–77895593	4,047	–4.71292	0.00279
ENST00000394092	<i>SMAD1</i>	4:145482805–145557954	1,658	–4.72429	0.003185
ENST00000611150	<i>CDK11B</i>	1:1635738–1659012	2,350	–4.72651	0.008897
ENST00000481895	<i>YARS</i>	1:32786370–32817317	1,018	–4.72682	0.003111
ENST00000357628	<i>POT1</i>	7:124822386–124929981	4,080	–4.74407	0.001607
ENST00000053243	<i>TNFRSF17</i>	16:11965107–11968068	994	–4.74774	0.000127
ENST00000425933	<i>RGMA</i>	15:93043406–93073710	3,078	–4.75	0.002535
ENST00000463827	<i>GLT8D1</i>	3:52694899–52697534	763	–4.75067	0.000719
ENST00000285381	<i>CA3</i>	8:85438827–85449040	1,753	–4.75485	0.000913
ENST00000487038	<i>PDPN</i>	1:13585461–13615917	607	–4.76616	0.002251
ENST00000467055	<i>NRXN2</i>	11:64630405–64637445	392	–4.76829	0.000229
ENST00000463552	<i>HNRNPR</i>	1:23313553–23338549	837	–4.78665	0.000291
ENST00000630084	<i>FHL1</i>	X:136148578–136210257	1,335	–4.80034	0.000277
ENST00000325134	<i>ZNF550</i>	19:57541840–57559863	4,305	–4.80604	0.000151
ENST00000568650	<i>ZDHHC1</i>	16:67404158–67416833	908	–4.80807	0.007945
ENST00000584460	<i>GPS1</i>	17:82051929–82057463	1,855	–4.82551	0.004414
ENST00000635540	<i>ROCK1</i>	18:20949952–21111020	5,656	–4.83849	0.002987
ENST00000356842	<i>BCL11A</i>	2:60451167–60553499	3,959	–4.86081	0.003706
ENST00000324333	<i>GLIS3</i>	9:3824127–4152183	6,667	–4.88092	0.001678
ENST00000634914	<i>PACSIN2</i>	22:42876137–42912157	1,431	–4.88282	0.001063
ENST00000433641	<i>TMEM196</i>	7:19721783–19773598	768	–4.88358	0.000532
ENST00000559816	<i>HDC</i>	15:50241947–50253305	2,046	–4.8946	0.002422
ENST00000370622	<i>ARHGEF6</i>	X:136665547–136768627	4,779	–4.95624	0.006611

ENST00000557185	<i>DHRS7</i>	14:60144784–60165429	1,322	–4.98704	0.000957
ENST00000440385	<i>NFS1</i>	20:35668993–35699355	1,794	–4.9875	0.000562
ENST00000581161	<i>RTTN</i>	18:70003969–70205700	6,722	–5.00884	0.002933
ENST00000534141	<i>RAB30</i>	11:82979268–83071923	3,746	–5.02203	0.000514
ENST00000614476	<i>MTERF4</i>	2:241087099–241102295	4,524	–5.02343	0.000218
ENST00000347140	<i>R3HDM2</i>	12:57253764–57431005	4,331	–5.02764	1.95E–05
ENST00000491935	<i>ADRM1</i>	20:62302093–62308862	1,530	–5.02934	0.002097
ENST00000397865	<i>MBP</i>	18:76978861–77017086	2,127	–5.05767	0.002878
ENST00000403222	<i>OSBP2</i>	22:30694206–30907824	3,728	–5.05814	0.005978
ENST00000370300	<i>MTO1</i>	6:73461765–73501452	2,961	–5.05854	0.004661
ENST00000536887	<i>HRASLS5</i>	11:63461404–63490939	2,599	–5.05917	0.006088
ENST00000487451	<i>TFE3</i>	X:49031397–49039803	1,058	–5.06834	0.002343
ENST00000284548	<i>OBSCN</i>	1:228208130–228361250	20,432	–5.07092	0.002134
ENST00000503238	<i>FRYL</i>	4:48497361–48634410	11,103	–5.08151	2.78E–05
ENST00000473130	<i>RADIL</i>	7:4799109–4832209	2,108	–5.10159	0.005219
ENST00000424969	<i>IGHV3-74</i>	14:106810442–106811131	587	–5.13505	0.002053
ENST00000422911	<i>PRDM15</i>	21:41798225–41879473	6,714	–5.13804	2.39E–05
ENST00000627585	<i>TNPO3</i>	7:128954180–129055173	4,514	–5.17304	0.000522
ENST00000536340	<i>ZMYND8</i>	20:47209214–47356414	5,273	–5.18487	0.001235
ENST00000533703	<i>FAM111A</i>	11:59145063–59155039	4,202	–5.19328	0.000709
ENST00000479581	<i>PSORSIC1</i>	6:31114831–31140038	459	–5.19552	0.000695
ENST00000396979	<i>RHOG</i>	11:3826982–3837867	1,289	–5.2014	0.001143
ENST00000381395	<i>IGF2</i>	11:2129112–2137290	4,527	–5.21624	4.63E–08
ENST00000612277	<i>HLCS</i>	21:36750888–36980964	6,112	–5.22065	0.000461
ENST00000381086	<i>IGFBP3</i>	7:45912245–45921272	2,322	–5.22349	0.008902
ENST00000580640	<i>PIEZO2</i>	18:10671527–11148588	8,334	–5.22462	0.000482
ENST00000462324	<i>PHGDH</i>	1:119711940–119734682	767	–5.2394	0.003933
ENST00000558864	<i>PCSK6</i>	15:101297142–101313402	3,868	–5.2543	0.000758
ENST00000452463	<i>CREB3L2</i>	7:137912811–138002047	1,105	–5.26129	0.000319

ENST00000368331	<i>GON4L</i>	1:155749662–155857295	7,823	–5.29583	7.93E–05
ENST00000221504	<i>TRMT1</i>	19:13104907–13116657	2,179	–5.30959	0.000207
ENST00000244669	<i>APOBEC2</i>	6:41053304–41064511	1,151	–5.31391	0.003824
ENST00000379241	<i>VIT</i>	2:36696866–36814789	2,525	–5.33246	0.000205
ENST00000503366	<i>ANK3</i>	10:60029797–60572663	5,792	–5.3393	0.002612
ENST00000389341	<i>POU2F2</i>	19:42086110–42132478	6,901	–5.34062	3.98E–05
ENST00000611646	<i>RNF38</i>	9:36336404–36400299	5,185	–5.3542	6.53E–05
ENST00000390629	<i>IGHV4-59</i>	14:106627249–106627825	495	–5.35562	0.000447
ENST00000550053	<i>WASHC4</i>	12:105107715–105169130	5,819	–5.35907	0.000323
ENST00000406071	<i>DCDC1</i>	11:30863604–30992686	4,758	–5.37155	0.00099
ENST00000357275	<i>DBNDD2</i>	20:45406184–45410610	1,036	–5.37671	4.41E–05
ENST00000545260	<i>PARD3</i>	10:34109560–34815325	5,740	–5.38006	0.006879
ENST00000336909	<i>IL6ST</i>	5:55935099–55976314	8,776	–5.38137	0.000326
ENST00000505686	<i>ZNF608</i>	5:124637278–124745081	2,686	–5.4096	0.008647
ENST00000371247	<i>SORBS1</i>	10:95311774–95561378	7,354	–5.41055	0.000714
ENST00000590949	<i>STAT5A</i>	17:42287867–42310860	3,318	–5.41111	8.11E–06
ENST00000620417	<i>ARHGAP23</i>	17:38428486–38510136	3,663	–5.41383	3.78E–05
ENST00000431480	<i>TBC1D4</i>	13:75284665–75482114	6,347	–5.43296	0.001753
ENST00000503951	<i>MLIP</i>	6:54111418–54137909	1,746	–5.44272	0.001063
ENST00000599581	<i>ZNF766</i>	19:52269593–52291761	2,065	–5.445	0.000127
ENST00000355725	<i>THOC2</i>	X:123610198–123733056	4,930	–5.45271	0.001341
ENST00000559847	<i>RFX7</i>	15:56087280–56144435	4,165	–5.47672	0.003923
ENST00000454976	<i>NONO</i>	X:71284194–71294500	726	–5.47855	0.008002
ENST00000513398	<i>ACTN3</i>	11:66546841–66563329	2,939	–5.49028	0.004878
ENST00000374144	<i>C10orf71</i>	10:49299193–49327487	5,230	–5.50067	0.003342
ENST00000448874	<i>PTMA</i>	2:231707630–231713465	1,108	–5.52994	4.41E–05
ENST00000488340	<i>CCNL2</i>	1:1387232–1399328	1,598	–5.54191	0.000853
ENST00000356751	<i>MAMSTR</i>	19:48712996–48716957	1,825	–5.54476	0.0046
ENST00000286485	<i>PSD3</i>	8:18530710–18808876	6,665	–5.55324	0.000616

ENST00000554048	<i>DUXA</i>	19:57154021–57167443	1,006	–5.58834	0.007604
ENST00000336184	<i>TRAF5</i>	1:211326615–211374940	3,972	–5.58999	4.10E–05
ENST00000613058	<i>SLC4A1AP</i>	2:27663471–27694976	2,966	–5.59178	0.000355
ENST00000450331	<i>PNPLA6</i>	19:7534750–7561764	4,457	–5.60938	0.00838
ENST00000340802	<i>PFKM</i>	12:48105923–48146104	3,176	–5.61832	0.00421
ENST00000519416	<i>TACCI</i>	8:38728186–38850793	5,510	–5.62167	0.000961
ENST00000584049	<i>BDNF</i>	11:27654893–27701633	4,030	–5.62818	0.007374
ENST00000390312	<i>IGLV2-14</i>	22:22758700–22759218	402	–5.64436	0.00015
ENST00000368078	<i>CASQ1</i>	1:160190556–160201886	1,897	–5.65443	0.004528
ENST00000382061	<i>SERPINF2</i>	17:1743026–1755268	2,265	–5.66527	0.00468
ENST00000486393	<i>GLYCTK</i>	3:52287820–52293475	2,019	–5.69379	0.007421
ENST00000637267	<i>ZEB2</i>	2:144399351–144521057	2,677	–5.69679	0.004251
ENST00000310298	<i>PDE8A</i>	15:84980440–85139145	3,984	–5.76886	0.009497
ENST00000628216	<i>ZNF133</i>	20:18288511–18316991	2,318	–5.81685	0.000666
ENST00000253382	<i>ACSS2</i>	20:34876614–34927962	2,925	–5.82715	0.001586
ENST00000576538	<i>CNTROB</i>	17:7932101–7935145	784	–5.83836	0.000865
ENST00000435330	<i>RPL7</i>	8:73291783–73292922	445	–5.84412	0.003718
ENST00000514014	<i>RBM47</i>	4:40425412–40630623	2,419	–5.84497	0.004781
ENST00000544001	<i>ITFG1</i>	16:47155605–47461274	1,849	–5.89642	7.75E–05
ENST00000525875	<i>AHNAK</i>	11:62433547–62517357	793	–5.91284	2.00E–05
ENST00000369280	<i>TDRD1</i>	10:114179590–114228417	4,062	–5.91665	0.002617
ENST00000433881	<i>PPP1R9A</i>	7:94908279–95296402	9,928	–5.91973	0.002678
ENST00000636712	<i>SERPINA1</i>	14:94378373–94388847	1,485	–5.96154	0.000501
ENST00000357084	<i>ATP2A1</i>	16:28878405–28904464	3,532	–6.00783	0.005955
ENST00000360870	<i>TTN</i>	2:178744405–178807421	18,218	–6.03772	0.000151
ENST00000395503	<i>ATP2A1</i>	16:28878488–28904509	3,536	–6.04077	0.00102
ENST00000417874	<i>NGLY1</i>	3:25719411–25790039	2,062	–6.0414	0.004693
ENST00000226317	<i>CXCL6</i>	4:73836497–73838760	1,718	–6.07658	6.53E–05
ENST00000464560	<i>ZBTB20</i>	3:114338684–114758940	2,816	–6.08066	6.01E–09

ENST00000350608	<i>DDT</i>	22:23971365–23979828	671	–6.08229	0.005461
ENST00000603700	<i>URGCP-MRPS</i>	7:43866558–43906589	795	–6.0948	0.001238
ENST00000276826	<i>ARHGAP39</i>	8:144529179–144605816	4,697	–6.09652	0.003394
ENST00000492211	<i>ARHGAP19</i>	10:97222173–97292623	5,525	–6.10363	0.002138
ENST00000397326	<i>MB</i>	22:35606764–35617456	1,197	–6.11824	0.005237
ENST00000527759	<i>BCLAF1</i>	6:136259691–136289795	4,373	–6.12643	7.17E–06
ENST00000396200	<i>PDP1</i>	8:93916947–93926066	4,358	–6.12884	2.52E–06
ENST00000421199	<i>KLF7</i>	2:207079090–207167246	3,037	–6.13231	0.001014
ENST00000369321	<i>CASP7</i>	10:113679669–113730907	2,620	–6.14431	0.000322
ENST00000409363	<i>ADCYAP1R1</i>	7:31052527–31107006	1,889	–6.22355	0.002236
ENST00000342788	<i>ERBB4</i>	2:211375717–212538841	12,136	–6.28375	7.08E–06
ENST00000442034	<i>RAB3GAP1</i>	2:135052298–135169989	4,185	–6.32429	0.000318
ENST00000636639	<i>ATP6AP2</i>	X:40580940–40606618	2,125	–6.35293	0.001539
ENST00000390559	<i>IGHM</i>	14:105854220–105856218	1,485	–6.39966	0.000163
ENST00000521583	<i>CNOT8</i>	5:154858627–154875585	1,151	–6.42961	3.42E–08
ENST00000425621	<i>MYRIP</i>	3:39809706–40258521	2,981	–6.44527	0.008843
ENST00000400602	<i>XPO4</i>	13:20777330–20902774	9,884	–6.45262	0.000347
ENST00000508624	<i>APC</i>	5:112737885–112842755	7,406	–6.4788	2.96E–07
ENST00000405093	<i>MYH6</i>	14:23381990–23408277	5,941	–6.49651	0.00337
ENST00000390615	<i>IGHV3-33</i>	14:106359793–106360324	431	–6.51384	2.52E–06
ENST00000345633	<i>CASP7</i>	10:113679669–113730903	2,659	–6.52912	0.003078
ENST00000397345	<i>NEB</i>	2:151485339–151734487	26,202	–6.53183	0.003985
ENST00000372555	<i>TNNC2</i>	20:45823214–45827341	710	–6.55379	0.000909
ENST00000421743	<i>RGS4</i>	1:163068775–163076802	3,311	–6.55463	0.002309
ENST00000448225	<i>EIF4E3</i>	3:71679289–71754383	6,209	–6.56227	0.002626
ENST00000518284	<i>RNF145</i>	5:159157411–159161580	1,940	–6.5716	3.69E–05
ENST00000392319	<i>ZNF84</i>	12:133037292–133063298	7,020	–6.57186	8.72E–05
ENST00000433959	<i>VOPPI</i>	7:55470614–55537694	2,900	–6.58324	1.41E–05
ENST00000549143	<i>CS</i>	12:56271699–56300318	2,811	–6.59831	8.18E–05

ENST00000454859	<i>ECHDC1</i>	6:127288710–127343609	2,341	–6.61801	3.28E–05
ENST00000377656	<i>CNTNAP3</i>	9:39072767–39288303	4,986	–6.62476	0.002538
ENST00000427426	<i>MTCO2P12</i>	1:632757–633438	682	–6.6924	0.000128
ENST00000541308	<i>DAG1</i>	3:49470132–49535618	5,676	–6.69271	0.005878
ENST00000414766	<i>TTN</i>	2:178636752–178702520	2,887	–6.72243	0.005354
ENST00000635765	<i>HSPA12A</i>	10:116671192–116849741	5,841	–6.72587	0.000231
ENST00000369556	<i>SLC35A1</i>	6:87472925–87512330	1,720	–6.74743	2.73E–05
ENST00000612829	<i>MIR1244-1</i>	2:231713314–231713398	85	–6.82443	1.46E–05
ENST00000411689	<i>SLC25A27</i>	6:46652915–46678190	2,526	–6.848	7.07E–05
ENST00000611140	<i>JADE1</i>	4:128811844–128875224	5,648	–6.8517	0.00016
ENST00000398786	<i>C10orf105</i>	10:71711710–71737824	4,730	–6.87586	0.004993
ENST00000334268	<i>TRDN</i>	6:123216339–123637093	4,770	–6.91609	0.004975
ENST00000409840	<i>SERPINE2</i>	2:223975153–224031478	2,569	–6.95897	0.000262
ENST00000561609	<i>PKM</i>	15:72200508–72228676	1,568	–6.96689	6.28E–05
ENST00000221476	<i>CKM</i>	19:45306414–45322977	1,657	–7.06112	0.000671
ENST00000317734	<i>SLC35C2</i>	20:46349530–46364458	2,175	–7.06852	3.71E–14
ENST00000334192	<i>EML1</i>	14:99793343–99941537	4,064	–7.13774	0.002484
ENST00000641978	<i>IGHG4</i>	14:105620506–105626066	2,597	–7.19625	2.11E–06
ENST00000635779	<i>KIF1BP</i>	10:68988796–69016930	2,542	–7.22231	0.004723
ENST00000434476	<i>SCRNI</i>	7:29923857–29990289	1,454	–7.31169	0.004156
ENST00000436759	<i>PLEC</i>	8:143915153–143976734	14,787	–7.33219	8.10E–07
ENST00000640465	<i>ZC3H11A</i>	1:203814905–203854118	4,365	–7.33341	2.27E–05
ENST00000444911	<i>PLXDC1</i>	17:39067160–39152699	2,082	–7.33785	0.00026
ENST00000615926	<i>GON4L</i>	1:155749662–155859400	7,771	–7.34209	0.000149
ENST00000390548	<i>IGHG1</i>	14:105736343–105743071	2,619	–7.4318	2.27E–07
ENST00000603660	<i>IGHV3-30</i>	14:106335082–106335613	431	–7.43623	5.83E–06
ENST00000541463	<i>KIF21A</i>	12:39294424–39442970	4,866	–7.43905	4.23E–05
ENST00000355349	<i>MYH7</i>	14:23412738–23435718	6,087	–7.45031	0.001005
ENST00000359988	<i>NRAP</i>	10:113588833–113664127	5,580	–7.51198	0.000772

ENST00000357701	<i>MYBPC2</i>	19:50432903–50466321	3,593	–7.57833	8.09E–05
ENST00000366684	<i>ACTA1</i>	1:229431245–229434094	1,491	–7.60475	0.000507
ENST00000381911	<i>TNNI2</i>	11:1838989–1841678	743	–7.611	0.001822
ENST00000352451	<i>MYL1</i>	2:210290150–210315190	1,065	–7.61555	0.003588
ENST00000612651	<i>PYCR2</i>	1:225919877–225924110	1,538	–7.67008	0.000515
ENST00000621234	<i>GUCY1A3</i>	4:155666726–155730622	1,788	–7.68014	0.000257
ENST00000581041	<i>TLK2</i>	17:62481121–62606241	1,784	–7.69501	0.004265
ENST00000226207	<i>MYH1</i>	17:10492307–10518543	6,024	–7.81681	0.000415
ENST00000483158	<i>IGKV3-11</i>	2:89027171–89027731	392	–7.90522	8.70E–08
ENST00000600882	<i>PHLDB1</i>	11:118607591–118658038	5,479	–8.11757	0.000284
ENST00000331335	<i>FILIP1L</i>	3:99847928–100114513	4,219	–8.1961	0.000816
ENST00000372919	<i>ANXA7</i>	10:73375445–73414067	2,174	–8.36931	7.47E–09
ENST00000511224	<i>SELENOP</i>	5:42800112–42811892	1,853	–8.38624	2.93E–05
ENST00000245503	<i>MYH2</i>	17:10521152–10549957	6,339	–8.43391	0.001749
ENST00000497289	<i>RPN1</i>	3:128620159–128681075	2,137	–8.45222	5.17E–05
ENST00000372006	<i>PIK3R3</i>	1:46040140–46132794	5,019	–8.67153	0.002009
ENST00000394622	<i>STEAP2</i>	7:90211860–90237594	6,612	–8.85203	0.00012
ENST00000397108	<i>FGFR1</i>	8:38413522–38467724	2,870	–9.01475	0.000405
ENST00000471186	<i>INSIG2</i>	2:118088474–118110020	2,100	–9.15863	4.08E–06
ENST00000423698	<i>ERCC1</i>	19:45407334–45478828	3,119	–9.32926	0.000228
ENST00000381341	<i>DDX1</i>	2:15591178–15631111	2,817	–9.43803	9.42E–05
ENST00000578101	<i>FLII</i>	17:18244922–18258705	4,148	–9.55047	0.000972
ENST00000204726	<i>GOLGA3</i>	12:132768909–132828702	9,252	–9.63354	1.29E–07
ENST00000359596	<i>RYR1</i>	19:38433830–38587420	15,117	–9.74303	0.000181
ENST00000353546	<i>ARFGAP1</i>	20:63272865–63289344	2,776	–9.83938	4.17E–05
ENST00000366578	<i>ACTN2</i>	1:236686508–236764631	4,863	–10.0079	0.00119
ENST00000377982	<i>ACTR2</i>	2:65227837–65270146	2,685	–10.3177	0.00078
ENST00000441606	<i>ANO6</i>	12:45292683–45432351	5,955	–11.3961	1.56E–06
ENST00000397183	<i>MYH2</i>	17:10521156–10549623	6,078	–11.4982	0.000656

ENST00000342992	<i>TTN</i>	2:178525989–178807421	101,518	–11.9514	0.00022
ENST00000406022	<i>RPL10</i>	X:154398890–154400909	748	#NAME?	7.27E–07
ENST00000523714	<i>ANXA6</i>	5:151101109–151141640	2,451	#NAME?	7.68E–08
ENST00000416518	<i>RPL14</i>	3:40457354–40462280	812	#NAME?	2.29E–07
ENST00000472354	<i>RPL13</i>	16:89562370–89563438	631	#NAME?	1.19E–10
ENST00000606722	<i>NDUFA13</i>	19:19516261–19528195	502	#NAME?	5.00E–05
ENST00000228841	<i>MYL2</i>	12:110910819–110920577	807	#NAME?	0.000216
ENST00000263577	<i>CDON</i>	11:125960679–126063292	4,186	#NAME?	3.09E–05
ENST00000616381	<i>CREB3L2</i>	7:137874981–138001827	7,133	#NAME?	0.0002
ENST00000590221	<i>WBP2</i>	17:75845772–75855306	1,745	#NAME?	4.09E–07
ENST00000416206	<i>ERGIC3</i>	20:35542102–35557546	1,235	#NAME?	0.000409
ENST00000346623	<i>ALDH1A3</i>	15:100879875–100916626	3,104	#NAME?	3.37E–07
ENST00000525193	<i>EPB41L2</i>	6:130858136–130956485	2,121	#NAME?	3.07E–05
ENST00000640341	<i>SCARB2</i>	4:76160059–76213789	3,403	#NAME?	0.000315
ENST00000547405	<i>MYBPC1</i>	12:101594849–101685811	3,834	#NAME?	0.000382
ENST00000341685	<i>MYL1</i>	2:210290150–210303629	870	#NAME?	0.001033
ENST00000413693	<i>NEB</i>	2:151485341–151583619	9,443	#NAME?	0.000261
ENST00000538945	<i>STIP1</i>	11:64186204–64204408	1,900	#NAME?	1.03E–06
ENST00000614343	<i>GPX3</i>	5:151020589–151028987	1,478	#NAME?	7.28E–05
ENST00000615664	<i>PALMD</i>	1:99646342–99694368	1,844	#NAME?	3.22E–05
ENST00000564057	<i>COTL1</i>	16:84565659–84618059	1,677	#NAME?	0.000738
ENST00000393481	<i>TES</i>	7:116222804–116258783	2,763	#NAME?	2.78E–05
ENST00000522855	<i>SKP1</i>	5:134157572–134176950	802	#NAME?	0.001429
ENST00000593119	<i>LONP1</i>	19:5691835–5720165	2,918	#NAME?	2.80E–05
ENST00000620395	<i>IGLV2-8</i>	22:22822658–22823289	517	#NAME?	1.09E–05
ENST00000394223	<i>NDUFC1</i>	4:139290031–139302479	598	#NAME?	1.02E–05
ENST00000265968	<i>CSRP3</i>	11:19182030–19202042	1,342	#NAME?	0.001094
ENST00000550201	<i>DCTN2</i>	12:57530354–57547152	1,527	#NAME?	0.000749
ENST00000578112	<i>SMARCE1</i>	17:40627707–40647841	2,384	#NAME?	6.86E–05

ENST00000413546	<i>TP53BP1</i>	15:43432649–43493086	3,143	#NAME?	2.57E–05
ENST00000509903	<i>CAST</i>	5:96702806–96771679	2,171	#NAME?	0.000481
ENST00000541240	<i>KIFC3</i>	16:57758445–57803023	3,047	#NAME?	0.000177
ENST00000550554	<i>AL928654.4</i>	14:105488221–105491659	613	#NAME?	1.87E–05
ENST00000406376	<i>RPS7</i>	2:3575358–3580901	704	#NAME?	0.000181
ENST00000621204	<i>SLC30A5</i>	5:69093949–69131065	3,999	#NAME?	2.78E–05
ENST00000172853	<i>NEB</i>	2:151485339–151734487	20,634	#NAME?	0.000252
ENST00000356783	<i>TNNT1</i>	19:55132794–55149206	934	#NAME?	0.001826
ENST00000339907	<i>ZNF292</i>	6:87155581–87261920	8,287	#NAME?	0.000274
ENST00000397328	<i>MB</i>	22:35606764–35617508	1,153	#NAME?	0.001551
ENST00000527444	<i>PRCP</i>	11:82849105–82901740	845	#NAME?	0.001225
ENST00000611510	<i>RNASEH2B</i>	13:50910155–50956572	1,257	#NAME?	0.000136
ENST00000287490	<i>COX6A2</i>	16:31427731–31428428	440	#NAME?	0.00242
ENST00000358994	<i>PTPA</i>	9:129110950–129148944	2,664	#NAME?	0.000539
ENST00000537508	<i>SLC3A2</i>	11:62881668–62885314	583	#NAME?	0.001855
ENST00000378096	<i>RPL23</i>	17:38850439–38853629	392	#NAME?	9.73E–06
ENST00000326151	<i>NFKBIZ</i>	3:101849514–101859523	2,058	#NAME?	0.00071
ENST00000603639	<i>NEB</i>	2:151485760–151733156	25,578	#NAME?	0.000251
ENST00000490104	<i>TSN</i>	2:121755663–121767179	2,717	#NAME?	5.73E–05
ENST00000518243	<i>PPP2CB</i>	8:30793962–30812878	577	#NAME?	0.00254
ENST00000635855	<i>KBTBD11-OT1</i>	8:1763888–1958627	6,169	#NAME?	3.59E–05
ENST00000298049	<i>EEF1A2</i>	20:63488013–63497834	1,748	#NAME?	0.00049
ENST00000521632	<i>GPX3</i>	5:151025344–151028954	1,314	#NAME?	0.000129
ENST00000503788	<i>6-Mar</i>	5:10353716–10433957	2,874	#NAME?	0.000687
ENST00000614640	<i>MSRB3</i>	12:65278987–65466898	4,270	#NAME?	5.74E–05
ENST00000487599	<i>ACTR1A</i>	10:102479237–102502678	2,726	#NAME?	0.000623
ENST00000592246	<i>YIF1B</i>	19:38305198–38309643	936	#NAME?	0.000194
ENST00000482069	<i>RPS24</i>	10:78033917–78040696	539	#NAME?	0.000548
ENST00000521727	<i>STAU2</i>	8:73549786–73747697	3,953	#NAME?	9.46E–07

ENST00000450763	<i>NPAS2</i>	2:100974866–100993527	607	#NAME?	0.000524
ENST00000406369	<i>SLC30A6</i>	2:32165869–32224099	4,589	#NAME?	3.31E–05
ENST00000527119	<i>DRAP1</i>	11:65919502–65921530	581	#NAME?	0.000671
ENST00000330261	<i>PPP1R27</i>	17:81833492–81835033	782	#NAME?	0.000433
ENST00000598779	<i>NUMBL</i>	19:40667034–40690553	2,249	#NAME?	0.000921
ENST00000337526	<i>RTN4</i>	2:54972189–55050544	4,790	#NAME?	5.91E–05
ENST00000400066	<i>GJB6</i>	13:20221971–20232301	1,927	#NAME?	0.000174
ENST00000382891	<i>NSD2</i>	4:1892782–1982206	7,534	#NAME?	2.16E–05
ENST00000217800	<i>POLI</i>	18:54271362–54294719	2,289	#NAME?	0.00011
ENST00000587509	<i>PRKCSH</i>	19:11435627–11441311	545	#NAME?	0.002735
ENST00000526233	<i>GPAAI</i>	8:144083989–144084849	489	#NAME?	0.0032
ENST00000546246	<i>STAC3</i>	12:57243654–57251185	1,014	#NAME?	0.00043
ENST00000409273	<i>XIRP2</i>	2:167187283–167259749	12,269	#NAME?	0.000394
ENST00000427231	<i>NEB</i>	2:151485339–151734487	26,202	#NAME?	0.000282
ENST00000619445	<i>UPF3B</i>	X:119834482–119852971	1,385	#NAME?	1.03E–05
ENST00000465659	<i>ARHGEF3</i>	3:56728232–56801949	2,693	#NAME?	0.0001
ENST00000295748	<i>AZI2</i>	3:28322353–28348790	3,127	#NAME?	0.00068
ENST00000584494	<i>AMZ2</i>	17:68248077–68254562	897	#NAME?	2.28E–05
ENST00000589688	<i>TUBG1</i>	17:42609689–42615221	1,505	#NAME?	0.000188
ENST00000464536	<i>GBA</i>	1:155234453–155235835	559	#NAME?	0.000532
ENST00000375985	<i>MYLK2</i>	20:31819373–31834689	2,787	#NAME?	0.001193
ENST00000521308	<i>CCDC69</i>	5:151181052–151224093	3,323	#NAME?	8.39E–05
ENST00000503293	<i>FBXO8</i>	4:174236969–174283667	1,546	#NAME?	0.001175
ENST00000593764	<i>SHKBP1</i>	19:40583609–40591288	870	#NAME?	0.000424
ENST00000390309	<i>IGLV3-19</i>	22:22720623–22721145	377	#NAME?	2.85E–05
ENST00000524835	<i>TM9SF1</i>	14:24189401–24195637	1,938	#NAME?	0.000193
ENST00000451218	<i>USP46</i>	4:52594178–52659290	4,622	#NAME?	0.000646
ENST00000507458	<i>SMN2</i>	5:70070664–70078522	1,045	#NAME?	1.03E–06
ENST00000463622	<i>SCFD1</i>	14:30622319–30735692	1,943	#NAME?	7.08E–06

ENST00000381839	<i>GART</i>	21:33503931–33542861	3,469	#NAME?	7.44E–05
ENST00000641709	<i>PNPO</i>	17:47941524–47949113	3,232	#NAME?	0.000101
ENST00000440702	<i>FAM20B</i>	1:179025804–179050316	603	#NAME?	2.10E–06
ENST00000411896	<i>GRAMD1A</i>	19:35000426–35026469	2,523	#NAME?	0.000162
ENST00000430119	<i>ALDH1A2</i>	15:57953820–58065668	3,049	#NAME?	0.000981
ENST00000341060	<i>TDP2</i>	6:24649979–24666591	2,120	#NAME?	5.74E–06
ENST00000636431	<i>SLC22A17</i>	14:23349331–23352885	666	#NAME?	7.43E–05
ENST00000394110	<i>PPP2R5D</i>	6:42984553–43012342	2,894	#NAME?	8.67E–06
ENST00000595879	<i>AKAP8L</i>	19:15397520–15401276	790	#NAME?	0.000428
ENST00000451256	<i>APOL2</i>	22:36227342–36239527	1,421	#NAME?	0.000582
ENST00000545738	<i>LIMS2</i>	2:127638721–127675102	1,730	#NAME?	7.63E–06
ENST00000535302	<i>SPG11</i>	15:44562854–44663675	7,288	#NAME?	0.000433
ENST00000526492	<i>ADM</i>	11:10305088–10306530	641	#NAME?	5.94E–08
ENST00000326965	<i>TAGAP</i>	6:159035137–159045152	3,051	#NAME?	0.0001
ENST00000543772	<i>PSMC1</i>	14:90256578–90272550	1,389	#NAME?	0.001516
ENST00000263066	<i>LDB3</i>	10:86668692–86734995	3,873	#NAME?	0.000372
ENST00000422508	<i>CD109</i>	6:73695785–73828316	9,221	#NAME?	0.000383
ENST00000378011	<i>PGAP3</i>	17:39671123–39688057	2,533	#NAME?	0.001202
ENST00000393929	<i>CCNG1</i>	5:163437571–163445014	2,366	#NAME?	2.67E–08
ENST00000598840	<i>SAE1</i>	19:47130838–47210191	1,831	#NAME?	0.001482
ENST00000563885	<i>CENPT</i>	16:67828187–67833880	1,931	#NAME?	0.001541
ENST00000318304	<i>PPFIBP1</i>	12:27524206–27695564	6,001	#NAME?	4.67E–05
ENST00000591985	<i>WDR18</i>	19:984358–994554	1,498	#NAME?	0.002023
ENST00000228641	<i>MYF6</i>	12:80707498–80709474	1,465	#NAME?	0.002737
ENST00000424173	<i>MEF2C</i>	5:88718241–88904257	6,336	#NAME?	0.000157
ENST00000534673	<i>TCIRG1</i>	11:68039029–68044204	848	#NAME?	0.003134
ENST00000508124	<i>SLC38A9</i>	5:55625858–55712315	2,370	#NAME?	8.40E–06
ENST00000543779	<i>DMXL2</i>	15:51447788–51622635	10,400	#NAME?	0.000433
ENST00000333395	<i>EWSR1</i>	22:29268318–29290684	1,265	#NAME?	0.000452

ENST00000381311	<i>CAMTA2</i>	17:4967997–4987650	4,374	#NAME?	0.001088
ENST00000586965	<i>SEMA6B</i>	19:4542914–4558457	2,034	#NAME?	0.00018
ENST00000531058	<i>HTATIP2</i>	11:20364180–20383616	1,060	#NAME?	0.000352
ENST00000469019	<i>HS6ST1</i>	2:128236716–128318396	559	#NAME?	0.000641
ENST00000471521	<i>AL807752.7</i>	9:136977518–136985435	989	#NAME?	0.002762
ENST00000445924	<i>ARPC1B</i>	7:99385700–99391006	727	#NAME?	0.00405
ENST00000522012	<i>R3HCC1</i>	8:23287908–23296121	1,500	#NAME?	0.001637
ENST00000577001	<i>PRPF8</i>	17:1674538–1684807	3,274	#NAME?	0.00011
ENST00000321326	<i>TMEM214</i>	2:27032954–27041694	2,700	Inf	7.16E–11
ENST00000617412	<i>PLK2</i>	5:58453987–58460139	2,792	Inf	6.90E–07
ENST00000610674	<i>RN7SL3</i>	14:49853616–49853914	299	Inf	0.000264
ENST00000420959	<i>CORO1C</i>	12:108645115–108702998	3,921	Inf	4.10E–13
ENST00000396634	<i>HLA-A</i>	6:29941260–29945884	1,868	Inf	2.71E–07
ENST00000557609	<i>LGMN</i>	14:92703847–92748603	1,832	Inf	1.23E–05
ENST00000553652	<i>CKB</i>	14:103519702–103522821	1,239	Inf	0.000369
ENST00000509659	<i>SPP1</i>	4:87975715–87983326	1,664	Inf	3.36E–05
ENST00000470417	<i>RALB</i>	2:120252875–120294676	1,931	Inf	1.98E–07
ENST00000439343	<i>BLOC1S5-TXN</i>	6:7881522–8064364	3,030	Inf	0.000266
ENST00000441156	<i>GNAI2</i>	3:50236204–50259354	2,168	Inf	0.000276
ENST00000597802	<i>IFI30</i>	19:18173162–18175222	411	Inf	0.000891
ENST00000533831	<i>CHI3L2</i>	1:111230766–111238866	482	Inf	7.92E–05
ENST00000424880	<i>SEC61A1</i>	3:128052759–128071677	3,238	Inf	0.000249
ENST00000456827	<i>LIPA</i>	10:89213575–89252039	2,527	Inf	0.000333
ENST00000424646	<i>NR3C1</i>	5:143279567–143400852	4,591	Inf	1.50E–07
ENST00000275080	<i>CD164</i>	6:109366518–109382444	2,954	Inf	0.000382
ENST00000408919	<i>SH3BP5</i>	3:15255650–15341368	1,880	Inf	0.000453
ENST00000409422	<i>ATG9A</i>	2:219220447–219229629	2,512	Inf	3.17E–07
ENST00000472827	<i>LMBRD1</i>	6:69675857–69796885	1,861	Inf	3.14E–05
ENST00000396512	<i>ACO2</i>	22:41469130–41528989	2,811	Inf	2.64E–05

ENST00000588301	<i>SNRPD2</i>	19:45687463–45692316	702	Inf	0.000918
ENST00000597959	<i>AC008763.3</i>	19:7678501–7682854	777	Inf	0.001071
ENST00000480603	<i>PPIA</i>	7:44798814–44801624	842	Inf	4.08E–06
ENST00000529054	<i>MS4A6A</i>	11:60172047–60184633	1,160	Inf	6.59E–05
ENST00000545718	<i>SCAP</i>	3:47413721–47443092	2,950	Inf	2.68E–05
ENST00000402521	<i>EFTUD2</i>	17:44851120–44899445	3,045	Inf	3.13E–05
ENST00000509883	<i>ZBTB38</i>	3:141387647–141444701	2,659	Inf	0.000424
ENST00000534779	<i>GANAB</i>	11:62625781–62646632	2,626	Inf	0.000491
ENST00000544059	<i>MAPIS</i>	19:17720156–17734490	3,399	Inf	3.44E–05
ENST00000530611	<i>AL136295.1</i>	14:24189157–24213473	2,740	Inf	3.44E–09
ENST00000467517	<i>NOS3</i>	7:150993804–151003935	2,377	Inf	0.000565
ENST00000415949	<i>SEC61G</i>	7:54752253–54759974	732	Inf	0.001174
ENST00000569253	<i>RIPOR1</i>	16:67537473–67542665	1,874	Inf	0.000709
ENST00000449699	<i>NDUFS1</i>	2:206124101–206159194	2,371	Inf	0.00062
ENST00000636577	<i>ASAH1</i>	8:18056571–18084096	2,129	Inf	0.000706
ENST00000526285	<i>GRK2</i>	11:67266481–67286536	1,458	Inf	0.000933
ENST00000478263	<i>FRMD4B</i>	3:69170807–69200848	3,761	Inf	3.36E–05
ENST00000506339	<i>HNRNPAB</i>	5:178204533–178211155	1,747	Inf	0.000851
ENST00000462082	<i>ATP1B3</i>	3:141876855–141926182	837	Inf	0.000367
ENST00000491855	<i>CHIT1</i>	1:203216670–203229645	1,700	Inf	0.000281
ENST00000435347	<i>LASP1</i>	17:38870143–38921761	3,492	Inf	0.000521
ENST00000480234	<i>PTTG1IP</i>	21:44861174–44873668	398	Inf	0.000405
ENST00000636018	<i>QARS</i>	3:49095954–49104420	2,171	Inf	1.96E–06
ENST00000626301	<i>DDX3X</i>	X:41333348–41364472	3,013	Inf	0.000596
ENST00000527659	<i>EPB41L2</i>	6:130858136–130956485	2,436	Inf	0.000731
ENST00000510859	<i>PAX8-AS1</i>	2:113250766–113266973	2,313	Inf	2.41E–06
ENST00000641877	<i>AC018521.1</i>	17:47948054–47981736	2,655	Inf	0.000714
ENST00000496182	<i>RPL23A</i>	17:28720079–28723936	636	Inf	0.00034
ENST00000517845	<i>WASHC5</i>	8:125024267–125091783	3,667	Inf	4.21E–05

ENST00000616990	<i>TP53III1</i>	11:44932348–44951306	3,567	Inf	4.03E–05
ENST00000441717	<i>JAM3</i>	11:134069071–134151751	3,363	Inf	4.03E–05
ENST00000552521	<i>TWF1</i>	12:43793723–43806287	3,012	Inf	5.40E–05
ENST00000518022	<i>CDK16</i>	X:47223009–47228990	2,022	Inf	0.000747
ENST00000591938	<i>PPP1R12C</i>	19:55090914–55094796	1,262	Inf	0.001282
ENST00000547787	<i>CERS5</i>	12:50129799–50167303	2,132	Inf	0.000883
ENST00000542666	<i>CDK17</i>	12:96280544–96400074	1,769	Inf	6.38E–09
ENST00000530326	<i>NUP160</i>	11:47778237–47848313	4,811	Inf	3.63E–05
ENST00000432169	<i>NDUFS1</i>	2:206124101–206159425	2,080	Inf	0.000104
ENST00000361818	<i>MAP2K3</i>	17:21288036–21315213	2,034	Inf	0.000782
ENST00000405334	<i>EIF2AK2</i>	2:37107273–37147806	1,533	Inf	0.001137
ENST00000507716	<i>TARS</i>	5:33440977–33468062	2,475	Inf	6.63E–05
ENST00000332704	<i>TBL3</i>	16:1974579–1978684	2,091	Inf	9.17E–05
ENST00000507446	<i>AC139887.2</i>	4:767141–781830	534	Inf	0.000111
ENST00000633227	<i>HBB</i>	11:5225467–5227071	609	Inf	0.002513
ENST00000277480	<i>LCN2</i>	9:128149453–128153455	822	Inf	0.002021
ENST00000374610	<i>PFDN6</i>	6:33289597–33290862	521	Inf	4.25E–05
ENST00000606149	<i>PSMC6</i>	14:52707204–52727991	1,560	Inf	0.001221
ENST00000427614	<i>TEDC1</i>	14:105489863–105492243	543	Inf	0.000478
ENST00000575801	<i>NXN</i>	17:799313–864111	2,681	Inf	0.000108
ENST00000532772	<i>INTS11</i>	1:1311627–1324628	1,618	Inf	0.00121
ENST00000451521	<i>CCHCRI</i>	6:31142520–31157607	2,587	Inf	2.47E–06
ENST00000586180	<i>GNAI1</i>	19:3118696–3121319	739	Inf	0.000913
ENST00000598564	<i>SH3GL1</i>	19:4360371–4400418	2,194	Inf	2.62E–06
ENST00000540351	<i>UBC</i>	12:124913290–124914141	622	Inf	3.66E–05
ENST00000515000	<i>AFAP1L1</i>	5:149271919–149340121	2,319	Inf	8.47E–05
ENST00000558373	<i>CTDSPL2</i>	15:44459003–44527232	4,255	Inf	8.48E–07
ENST00000519656	<i>EFR3A</i>	8:131939901–132013642	5,247	Inf	6.97E–07
ENST00000373051	<i>MDFI</i>	6:41637068–41654239	1,622	Inf	0.001318

ENST00000370662	<i>DNASE2B</i>	1:84408230–84415008	1,130	Inf	0.001845
ENST00000589578	<i>PIP5K1C</i>	19:3636601–3700390	2,933	Inf	0.000737
ENST00000320017	<i>SCAP</i>	3:47413713–47475937	3,430	Inf	0.000795
ENST00000315985	<i>PPP2R2A</i>	8:26293216–26370886	1,878	Inf	0.001242
ENST00000376861	<i>HLA-F</i>	6:29722775–29726526	1,544	Inf	2.10E–06
ENST00000306764	<i>RCAN2</i>	6:46220738–46491972	3,240	Inf	2.43E–09
ENST00000542978	<i>CIS</i>	12:7062583–7066618	661	Inf	0.000575
ENST00000559569	<i>AC015660.3</i>	15:99396613–99401315	198	Inf	0.006106
ENST00000497831	<i>GLMP</i>	1:156290096–156291550	543	Inf	1.13E–06
ENST00000513628	<i>HSD17B4</i>	5:119476542–119542174	2,225	Inf	0.001178
ENST00000590406	<i>ATP5A1</i>	18:46089599–46104227	756	Inf	0.003263
ENST00000628899	<i>AGTPBP1</i>	9:85546671–85742029	4,222	Inf	6.34E–05
ENST00000413095	<i>OS9</i>	12:57694145–57721331	1,660	Inf	1.22E–05
ENST00000531455	<i>ADAM15</i>	1:155051351–155062669	2,678	Inf	3.48E–06
ENST00000381604	<i>ZMYND11</i>	10:134465–254626	4,066	Inf	4.90E–07
ENST00000542502	<i>MDM2</i>	12:68809212–68839849	1,127	Inf	0.000315
ENST00000512140	<i>BRD8</i>	5:138156915–138178630	2,876	Inf	8.88E–05
ENST00000494274	<i>RBM39</i>	20:35713318–35725063	704	Inf	0.003425
ENST00000531364	<i>DHCR7</i>	11:71443997–71448356	507	Inf	0.006002
ENST00000456662	<i>DDX39B</i>	6:31535407–31541937	932	Inf	0.000515
ENST00000458126	<i>CDKN3</i>	14:54397000–54420218	845	Inf	1.05E–06
ENST00000353284	<i>PTPRS</i>	19:5206774–5286140	4,518	Inf	8.74E–05
ENST00000439720	<i>RABGEF1</i>	7:66755889–66810667	3,065	Inf	0.001058
ENST00000393349	<i>NCK2</i>	2:105851782–105894272	2,371	Inf	0.000606
ENST00000488324	<i>PPP1R18</i>	6:30676389–30687193	1,328	Inf	6.15E–05
ENST00000458695	<i>RBBP4</i>	1:32651356–32680040	1,674	Inf	0.000329
ENST00000394998	<i>STX4</i>	16:31033095–31040163	1,498	Inf	0.000375
ENST00000558777	<i>RMDN3</i>	15:40735888–40755246	2,139	Inf	0.001404
ENST00000508871	<i>NEDD4</i>	15:55826922–55915654	5,707	Inf	1.31E–08

ENST00000379980	<i>MYH10</i>	17:8474207–8630761	7,694	Inf	0.00054
ENST00000512632	<i>LIMCH1</i>	4:41360807–41699000	4,792	Inf	7.02E–05
ENST00000397806	<i>HBA2</i>	16:172890–173710	513	Inf	0.006145
ENST00000480861	<i>IMPDH1</i>	7:128392850–128405942	1,765	Inf	0.001664
ENST00000577501	<i>RIOK3</i>	18:23453308–23481500	1,904	Inf	0.001609
ENST00000526283	<i>RELA</i>	11:65653602–65662895	2,004	Inf	0.000322
ENST00000271357	<i>GPR161</i>	1:168079543–168137573	7,806	Inf	0.000473
ENST00000541189	<i>MSRB3</i>	12:65278744–65488095	528	Inf	0.007024
ENST00000599016	<i>LTBP4</i>	19:40594527–40605606	726	Inf	0.00478
ENST00000352331	<i>KIF23</i>	15:69414304–69448425	3,351	Inf	7.28E–06
ENST00000421516	<i>MYD88</i>	3:38138665–38143022	2,687	Inf	0.000159
ENST00000373931	<i>PPP1R8</i>	1:27830822–27851672	2,651	Inf	0.000143
ENST00000382874	<i>ZMYM2</i>	13:19958708–20091829	10,139	Inf	0.00048
ENST00000561743	<i>USB1</i>	16:57999546–58020542	1,135	Inf	0.000364
ENST00000611648	<i>GAS2L1</i>	22:29307058–29312785	2,482	Inf	0.000542
ENST00000538403	<i>REXO2</i>	11:114444155–114450265	753	Inf	0.004575
ENST00000565334	<i>CDH5</i>	16:66366690–66403408	2,138	Inf	0.001543
ENST00000562012	<i>BBS2</i>	16:56499832–56509989	865	Inf	0.000795
ENST00000489585	<i>LYST</i>	1:235759175–235883640	7,069	Inf	2.55E–05
ENST00000563454	<i>LRRC57</i>	15:42542524–42548772	2,407	Inf	0.000171
ENST00000617770	<i>ALOX5AP</i>	13:30713478–30764425	1,224	Inf	0.00257
ENST00000475542	<i>SEC23IP</i>	10:119929645–119933770	552	Inf	0.005785
ENST00000481284	<i>ACSS2</i>	20:34874963–34927962	2,851	Inf	0.000215
ENST00000534394	<i>CD36</i>	7:80602207–80674416	1,741	Inf	0.002022
ENST00000558013	<i>LDLR</i>	19:11089478–11131812	3,144	Inf	0.000123
ENST00000605149	<i>AKRIC3</i>	10:5077638–5107680	1,405	Inf	0.002405
ENST00000484178	<i>SSBP1</i>	7:141738600–141750461	676	Inf	0.006429
ENST00000543145	<i>SEMA7A</i>	15:74410316–74433955	2,304	Inf	0.000203
ENST00000413099	<i>WDR48</i>	3:39052016–39095078	2,300	Inf	0.000312

ENST00000312049	<i>MEN1</i>	11:64803516–64810716	2,761	Inf	0.001388
ENST00000639704	<i>DPAGT1</i>	11:119096595–119101837	1,719	Inf	0.001961
ENST00000601645	<i>HNRNPM</i>	19:8444994–8471410	832	Inf	0.000836
ENST00000368330	<i>YYLAPI</i>	1:155659446–155689000	2,555	Inf	0.000218
ENST00000634852	<i>WDR45</i>	X:49074820–49077579	763	Inf	0.004722
ENST00000424834	<i>SPATA13</i>	13:23979805–24307069	8,603	Inf	4.85E–05

The ‘Inf’ represents gene expression in NT group; the ‘#NAME’ represents gene expression in RCT group. LncRNA, long non-coding RNA; FC, fold change.