

Investigation of the Activity of Antisense Oligonucleotides Targeting Multiple Genes by RNA-sequencing

Sven Michel^{1*}, Richard Klar^{1*}, Frank Jaschinski¹

¹ Secarna Pharmaceuticals, GmbH & Co. KG, 82152 Planegg/Martinsried, Germany.

* Sven Michel and Richard Klar contributed equally to this work.

Corresponding authors: Sven Michel, email: sven.michel@secarna.com, phone: 00498921546375, address: Secarna Pharmaceuticals GmbH & Co. KG, Am Klopferspitz 19, 82152 Planegg, Germany and Frank Jaschinski, email: frank.jaschinski@secarna.com, phone: 00498924546375, address: Secarna Pharmaceuticals GmbH & Co. KG, Am Klopferspitz 19, 82152 Planegg, Germany.

Supplementary Information

Supplementary Tables 3 - 11

Supplementary Table 3

ASO	ENSEMBL_Transcript_ID	ENSEMBL_Gene_ID	mean_expression	log ₂ (FoldChange)	padj
6	ENST00000219368	ENSG00000103089	30	0.63	0.46957
6	ENST00000221957	ENSG00000105355	1850	-0.38	2.39E-05
6	ENST00000253048	ENSG00000130749	2992	0.01	0.94192
6	ENST00000255078	ENSG00000132740	1263	-0.02	0.91409
6	ENST00000256996	ENSG00000134574	2160	-0.01	0.96537
6	ENST00000260506	ENSG00000137942	1475	-0.17	0.12111
6	ENST00000261637	ENSG00000120800	2905	-0.15	0.10374
6	ENST00000263579	ENSG00000110063	923	0.10	0.52074
6	ENST00000264313	ENSG00000109171	1564	0.00	0.99015
6	ENST00000265351	ENSG00000124571	3026	-0.02	0.86196
6	ENST00000267199	ENSG00000139719	347	0.20	0.31417
6	ENST00000273398	ENSG00000114573	4484	-0.21	0.00675
6	ENST00000281141	ENSG00000151465	2234	-0.16	0.09505
6	ENST00000284116	ENSG00000153982	43	-0.49	0.43461
6	ENST00000289672	ENSG00000158683	3	0.87	NA
6	ENST00000294053	ENSG00000162129	2419	-0.02	0.91414
6	ENST00000295872	ENSG00000163611	146	-0.38	0.36015
6	ENST00000297405	ENSG00000164796	3	-3.12	NA
6	ENST00000300026	ENSG00000166794	13363	0.31	0.00041
6	ENST00000301178	ENSG00000167601	5502	-0.21	0.00107
6	ENST00000302060	ENSG00000170464	219	-0.14	0.65268
6	ENST00000303296	ENSG00000110422	3190	-0.20	0.00861
6	ENST00000311129	ENSG00000137713	949	-0.11	0.46663
6	ENST00000312431	ENSG00000151914	9575	-0.17	0.11852
6	ENST00000314830	ENSG00000095370	2	-0.75	NA
6	ENST00000323817	ENSG00000155111	439	-0.26	0.11449
6	ENST00000325971	ENSG00000101639	2568	-0.20	0.05676
6	ENST00000329399	ENSG00000107438	996	0.35	0.00167
6	ENST00000344773	ENSG00000158019	446	0.03	0.92023
6	ENST00000345146	ENSG00000138413	2420	-0.25	0.00499
6	ENST00000360631	ENSG00000133083	320	-1.01	4.52E-12
6	ENST00000368918	ENSG00000143458	544	-0.19	0.40786
6	ENST00000369046	ENSG00000130348	509	-0.14	0.44772
6	ENST00000373823	ENSG00000148180	3412	-0.29	0.00024
6	ENST00000373930	ENSG00000106780	2978	-0.03	0.85193
6	ENST00000396720	ENSG00000063169	594	0.16	0.44599
6	ENST00000402714	ENSG00000196405	701	-0.49	7.91E-05
6	ENST00000409448	ENSG00000144214	13	-1.02	0.38357
6	ENST00000410066	ENSG00000144331	26	-0.91	0.21017
6	ENST00000415083	ENSG00000141380	1965	0.02	0.89494
6	ENST00000428675	ENSG00000115896	65	-0.48	0.37648
6	ENST00000428847	ENSG00000156509	194	0.09	0.80220
6	ENST00000437600	ENSG00000257923	11499	-0.46	5.05E-19
6	ENST00000445927	ENSG00000239605	3	0.98	NA
6	ENST00000446425	ENSG00000173960	557	0.10	0.64424
6	ENST00000447648	ENSG00000205356	904	-0.09	0.66437

6	ENST00000448427	ENSG00000243147	303	0.26	0.28721
6	ENST00000458059	ENSG00000205423	205	-0.11	0.73698
6	ENST00000485760	ENSG00000173406	633	0.94	7.48E-20
6	ENST00000488058	ENSG00000137075	790	-0.12	0.54757
6	ENST00000503650	ENSG00000251574	8	0.36	NA
6	ENST00000517298	ENSG00000185015	125	-0.62	0.05319
6	ENST00000519949	ENSG00000204764	464	-0.26	0.24447
6	ENST00000522495	ENSG00000131203	82	-1.09	0.00013
6	ENST00000535206	ENSG00000086062	49189	-0.03	0.78104
6	ENST00000537909	ENSG00000149654	3	0.93	NA
6	ENST00000549066	ENSG00000136048	1134	-0.24	0.06941
6	ENST00000553532	ENSG00000111602	2985	-0.04	0.75282
6	ENST00000562520	ENSG00000102935	109	0.65	0.03704
6	ENST00000577830	ENSG00000180891	1497	-0.26	0.00328
6	ENST00000578921	ENSG00000168461	8589	-0.23	0.00017
6	ENST00000586178	ENSG00000011258	815	-0.28	0.03957
6	ENST00000598234	ENSG00000188897	62	-0.46	0.27704
6	ENST00000619416	ENSG00000100578	949	-0.02	0.91953
6	ENST00000627217	ENSG00000148737	1327	0.01	0.95627
6	ENST00000638991	ENSG00000156113	3	-1.12	NA
6	ENST00000645463	ENSG00000253438	24	-1.02	0.07452
6	ENST00000646076	ENSG00000102974	2164	-0.05	0.66118
6	ENST00000646673	ENSG00000101347	1385	0.11	0.44121
6	ENST00000647176	ENSG00000196312	1478	-0.14	0.43076
6	ENST00000656437	ENSG00000142599	2989	0.06	0.72396
6	ENST00000664864	ENSG00000141837	10	0.10	NA
6	ENST00000673446	ENSG00000173214	1015	0.05	0.80836
6	ENST00000674063	ENSG00000051382	1096	-0.09	0.60980

Supplementary Table 3 lists all genes that were targeted by ASO 6 and RNA-seq data was available. The transcript ID is given together with the ENSEMBL gene ID. Mean expression, log2 fold change and the adjusted p-value (padj) were calculated using DESeq2. *IDO1* (ENSG00000131203) is marked in bold.

Supplementary Table 4

ASO	ENSEMBL_Transcript_ID	ENSEMBL_Gene_ID	mean_expression	log ₂ (FoldChange)	padj
13	ENST00000241704	ENSG00000122218	16060	0.04	0.62764
13	ENST00000262738	ENSG00000075275	7931	-0.07	0.42732
13	ENST00000264158	ENSG00000115839	1404	-0.19	0.03104
13	ENST00000283928	ENSG00000153814	257	-0.13	0.53704
13	ENST00000284637	ENSG00000154447	2850	-0.08	0.21723
13	ENST00000294016	ENSG00000162104	3984	-0.51	8.88E-26
13	ENST00000296575	ENSG00000164161	31	0.39	0.57557
13	ENST00000301765	ENSG00000167987	594	0.07	0.71228
13	ENST00000306107	ENSG00000170017	2901	0.14	0.10676
13	ENST00000306156	ENSG00000171132	348	-0.39	0.00974
13	ENST00000308159	ENSG00000102900	2146	-0.05	0.66753
13	ENST00000310078	ENSG00000173744	3148	-0.04	0.70281
13	ENST00000326685	ENSG00000173210	80	0.42	0.13166
13	ENST00000334512	ENSG00000108175	2131	0.08	0.41017
13	ENST00000335449	ENSG00000186417	4	-0.85	NA
13	ENST00000342785	ENSG00000038427	229	0.20	0.35036
13	ENST00000349004	ENSG00000101079	1077	-0.34	2.99E-05
13	ENST00000356175	ENSG00000196712	5557	-0.36	3.05E-06
13	ENST00000356763	ENSG00000196455	2178	-0.06	0.54852
13	ENST00000357484	ENSG00000242498	1931	-0.18	0.00180
13	ENST00000358776	ENSG00000196177	188	-0.15	0.54259
13	ENST00000359359	ENSG00000198663	3258	-0.55	5.42E-28
13	ENST00000359596	ENSG00000196218	21	-0.68	0.32754
13	ENST00000359947	ENSG00000142949	9744	0.01	0.95795
13	ENST00000366997	ENSG00000123684	3781	-0.16	0.01097
13	ENST00000368655	ENSG00000143614	3458	-0.07	0.28807
13	ENST00000370982	ENSG00000172380	4765	-0.10	0.20822
13	ENST00000371790	ENSG00000152779	4	0.04	NA
13	ENST00000373493	ENSG00000162521	8497	-0.13	0.08195
13	ENST00000374580	ENSG00000204217	3072	-0.48	1.37E-10
13	ENST00000378910	ENSG00000161270	2	-0.24	NA
13	ENST00000382496	ENSG00000112902	2	-0.08	NA
13	ENST00000394426	ENSG00000172819	1198	-0.05	0.69731
13	ENST00000396432	ENSG00000107863	8885	0.03	0.77359
13	ENST00000396946	ENSG00000198286	289	-1.00	3.66E-13
13	ENST00000397224	ENSG00000100350	2647	-0.10	0.28866
13	ENST00000397821	ENSG00000147010	838	0.20	0.12874
13	ENST00000399429	ENSG00000215018	2	-4.24	NA
13	ENST00000409682	ENSG00000115233	2301	0.06	0.59834
13	ENST00000424296	ENSG00000155085	87	-0.07	0.89375
13	ENST00000424526	ENSG00000141449	1009	-0.69	1.40E-11
13	ENST00000428084	ENSG00000128512	785	-0.19	0.13584
13	ENST00000436342	ENSG00000158161	1439	-0.21	0.01082
13	ENST00000441493	ENSG00000243156	2325	-0.20	0.02448
13	ENST00000442873	ENSG00000222011	214	-0.05	0.88426
13	ENST00000457542	ENSG00000137802	1737	-0.04	0.72618

13	ENST00000457714	ENSG00000169760	4	-1.65	NA
13	ENST00000477522	ENSG00000138496	352	-0.01	0.95395
13	ENST00000512351	ENSG00000168214	1655	-0.03	0.80126
13	ENST00000522495	ENSG00000131203	82	-2.01	8.38E-17
13	ENST00000524300	ENSG00000040341	635	-0.24	0.05620
13	ENST00000527278	ENSG00000198039	148	-0.02	0.97098
13	ENST00000533902	ENSG00000150687	7782	0.31	2.08E-09
13	ENST00000535106	ENSG00000136631	1076	-0.35	2.26E-05
13	ENST00000536438	ENSG00000096060	571	-0.20	0.12177
13	ENST00000537909	ENSG00000149654	3	-4.48	NA
13	ENST00000553558	ENSG00000187105	3	-1.40	NA
13	ENST00000560802	ENSG00000069956	3010	0.15	0.04951
13	ENST00000578471	ENSG00000266733	3	1.19	NA
13	ENST00000589390	ENSG00000267041	38	-0.84	0.07701
13	ENST00000590411	ENSG00000204920	206	0.31	0.15057
13	ENST00000590918	ENSG00000010310	34	1.29	0.00418
13	ENST00000640961	ENSG00000109911	634	-0.27	0.10743
13	ENST00000649217	ENSG00000172175	787	0.06	0.71709
13	ENST00000650590	ENSG00000093217	559	-0.14	0.47505
13	ENST00000674117	ENSG00000099139	17	-0.14	0.88925

Supplementary Table 4 lists all genes that were targeted by ASO 13 and RNA-seq data was available. The transcript ID is given together with the ENSEMBL gene ID. Mean expression, log2 fold change and the adjusted p-value (padj) were calculated using DESeq2. *IDO1* (ENSG00000131203) is marked in bold.

Supplementary Table 5

ASO	ENSEMBL_Transcript_ID	ENSEMBL_Gene_ID	mean_expression	log ₂ (FoldChange)	padj
21	ENST00000005260	ENSG00000006453	1303	-0.14	0.20706
21	ENST00000006275	ENSG00000007255	72	-1.30	0.00018
21	ENST00000173229	ENSG00000065320	5	-1.10	NA
21	ENST00000174653	ENSG00000070718	564	-0.31	0.04244
21	ENST00000181839	ENSG00000065883	2752	0.02	0.93072
21	ENST00000190611	ENSG00000079156	265	0.04	0.96094
21	ENST00000199389	ENSG00000086232	6064	-0.58	1.27E-35
21	ENST00000217740	ENSG00000101695	43	0.32	0.77517
21	ENST00000219905	ENSG00000174197	10772	-0.02	0.88702
21	ENST00000222249	ENSG00000105642	4	1.06	NA
21	ENST00000222399	ENSG00000091136	11464	-0.11	0.01635
21	ENST00000230124	ENSG00000112367	347	-0.36	0.06426
21	ENST00000230419	ENSG00000112655	2004	-0.13	0.34962
21	ENST00000233027	ENSG00000114904	1280	-0.27	0.03970
21	ENST00000236698	ENSG00000118007	2103	-0.43	4.11E-05
21	ENST00000240285	ENSG00000121039	503	0.27	0.03764
21	ENST00000243253	ENSG00000058262	12149	-0.18	0.00053
21	ENST00000243346	ENSG00000123609	210	-0.08	0.91473
21	ENST00000249289	ENSG00000128524	1231	-0.08	0.80955
21	ENST00000249837	ENSG00000129003	4709	-0.25	0.00059
21	ENST00000249923	ENSG00000129083	3708	-0.33	2.95E-07
21	ENST00000251127	ENSG00000102452	245	-0.10	0.81892
21	ENST00000251143	ENSG00000103544	2486	-0.18	0.13280
21	ENST00000251809	ENSG00000104450	491	-0.44	0.00147
21	ENST00000252992	ENSG00000130695	1383	-0.09	0.59581
21	ENST00000256343	ENSG00000133962	6	0.91	NA
21	ENST00000257247	ENSG00000124942	48128	0.14	0.10604
21	ENST00000259351	ENSG00000136828	134	-0.18	0.74796
21	ENST00000259371	ENSG00000136848	2408	0.02	0.91659
21	ENST00000259455	ENSG00000136928	2	-0.65	NA
21	ENST00000260363	ENSG00000137807	4011	-0.36	8.42E-10
21	ENST00000261205	ENSG00000067715	11	-1.04	NA
21	ENST00000261745	ENSG00000111300	1712	0.00	0.99841
21	ENST00000261778	ENSG00000103047	675	-0.38	0.00054
21	ENST00000261861	ENSG00000103647	2	-0.23	NA
21	ENST00000262077	ENSG00000124789	4066	-0.36	5.61E-13
21	ENST00000262133	ENSG00000103479	1674	-0.34	2.53E-07
21	ENST00000262139	ENSG00000070540	448	-0.27	0.19573
21	ENST00000262210	ENSG00000104218	589	-0.14	0.67024
21	ENST00000262215	ENSG00000066777	1723	-0.25	0.00502
21	ENST00000262244	ENSG00000120162	1997	-0.48	2.28E-12
21	ENST00000262305	ENSG00000090565	1379	-0.31	0.00167
21	ENST00000262506	ENSG00000070770	3035	-0.25	4.11E-05
21	ENST00000262593	ENSG00000101134	6	-3.91	NA
21	ENST00000263620	ENSG00000116017	655	-0.41	0.00015
21	ENST00000264051	ENSG00000066248	505	0.05	0.89539

21	ENST00000264162	ENSG00000115850	3	2.60	NA
21	ENST00000264316	ENSG00000074966	7	-0.39	NA
21	ENST00000264335	ENSG00000108953	16396	-0.12	0.11630
21	ENST00000264380	ENSG00000115020	3137	-0.67	4.59E-23
21	ENST00000264982	ENSG00000114107	482	0.23	0.17762
21	ENST00000265018	ENSG00000047662	16	0.65	NA
21	ENST00000265560	ENSG00000114316	1416	-0.14	0.27503
21	ENST00000265563	ENSG00000114302	3067	-0.41	4.28E-14
21	ENST00000267260	ENSG00000139767	136	-0.04	0.96835
21	ENST00000268053	ENSG00000140459	50	-0.77	0.23812
21	ENST00000268184	ENSG00000140577	8660	-0.12	0.02385
21	ENST00000269051	ENSG00000141314	36	-0.28	0.78836
21	ENST00000270776	ENSG00000142657	4828	-0.40	1.07E-10
21	ENST00000272746	ENSG00000115935	2780	0.02	0.94434
21	ENST00000273258	ENSG00000144746	2197	-0.11	0.51335
21	ENST00000273398	ENSG00000114573	4484	-0.17	0.03172
21	ENST00000275560	ENSG00000146700	46	-1.60	0.00010
21	ENST00000276440	ENSG00000147459	6886	-0.10	0.27614
21	ENST00000277120	ENSG00000148053	5	-0.30	NA
21	ENST00000278590	ENSG00000149289	1049	-0.05	0.82008
21	ENST00000279024	ENSG00000149633	2	-2.96	NA
21	ENST00000280333	ENSG00000150760	2627	-0.33	8.89E-06
21	ENST00000281282	ENSG00000128849	78	-1.78	3.65E-09
21	ENST00000282587	ENSG00000152683	963	-0.25	0.03564
21	ENST00000286063	ENSG00000128655	3	0.48	NA
21	ENST00000286096	ENSG00000155666	176	-0.04	0.96059
21	ENST00000286835	ENSG00000156304	1206	-0.04	0.88813
21	ENST00000287546	ENSG00000156931	880	-0.43	0.00013
21	ENST00000287727	ENSG00000157077	752	-0.18	0.34705
21	ENST00000289119	ENSG00000158201	484	-0.60	1.22E-06
21	ENST00000290650	ENSG00000159459	2089	-0.38	2.72E-08
21	ENST00000291560	ENSG00000160207	72	-0.25	0.77998
21	ENST00000291900	ENSG00000160445	1894	-0.70	1.25E-23
21	ENST00000294016	ENSG00000162104	3984	-0.71	2.15E-49
21	ENST00000297994	ENSG00000165275	267	-0.79	1.19E-06
21	ENST00000301180	ENSG00000066084	2727	-0.30	4.85E-07
21	ENST00000301618	ENSG00000167889	1410	-0.46	3.03E-08
21	ENST00000303142	ENSG00000171984	30	-0.57	0.55164
21	ENST00000303575	ENSG00000170348	7205	-0.04	0.76170
21	ENST00000304611	ENSG00000124587	846	-0.83	5.18E-21
21	ENST00000305135	ENSG00000163872	2277	-0.42	2.65E-10
21	ENST00000305494	ENSG00000166575	947	-0.12	0.46470
21	ENST00000305798	ENSG00000168785	48	-0.94	0.01077
21	ENST00000305877	ENSG00000186716	5039	-0.15	0.08651
21	ENST00000306270	ENSG00000005700	2110	-0.32	0.00056
21	ENST00000306378	ENSG00000171634	5499	-0.33	2.72E-08
21	ENST00000310128	ENSG00000175538	19	-0.06	NA
21	ENST00000311350	ENSG00000122557	643	-0.19	0.32832

21	ENST00000311772	ENSG00000117751	1390	-0.31	0.00031
21	ENST00000313698	ENSG00000111271	530	-0.38	0.00163
21	ENST00000314191	ENSG00000253729	36777	-0.40	2.32E-20
21	ENST00000315576	ENSG00000127507	540	-0.07	0.84417
21	ENST00000315596	ENSG00000083642	2268	-0.27	0.00043
21	ENST00000315939	ENSG00000060237	19618	-0.11	0.07207
21	ENST00000316199	ENSG00000178999	1583	-0.06	0.79499
21	ENST00000316286	ENSG00000197362	304	-0.45	0.02139
21	ENST00000318737	ENSG00000165181	30	-0.42	0.68628
21	ENST00000319980	ENSG00000032742	243	-0.24	0.41674
21	ENST00000320285	ENSG00000026652	458	0.08	0.84108
21	ENST00000321196	ENSG00000179104	323	-0.52	0.00154
21	ENST00000321322	ENSG00000177103	9	-1.48	NA
21	ENST00000321662	ENSG00000180998	65	-0.66	0.11000
21	ENST00000323116	ENSG00000058063	1517	-0.29	0.00399
21	ENST00000323130	ENSG00000164953	377	0.06	0.88931
21	ENST00000323446	ENSG00000169169	16	0.34	NA
21	ENST00000324225	ENSG00000149577	953	-0.20	0.06177
21	ENST00000324557	ENSG00000284753	76	0.14	0.87530
21	ENST00000325327	ENSG00000176619	3644	-0.08	0.64984
21	ENST00000326495	ENSG00000084112	1874	-0.04	0.85083
21	ENST00000326648	ENSG00000180357	3037	-0.35	3.04E-10
21	ENST00000327536	ENSG00000183578	66	-0.16	0.86607
21	ENST00000328834	ENSG00000182973	1250	-0.23	0.04224
21	ENST00000329021	ENSG00000235568	3	-0.75	NA
21	ENST00000329654	ENSG00000184588	23	-0.39	0.78457
21	ENST00000330909	ENSG00000151276	646	-0.70	7.25E-07
21	ENST00000332175	ENSG00000173482	2197	-0.08	0.56210
21	ENST00000333229	ENSG00000185658	3020	0.00	0.99486
21	ENST00000333891	ENSG00000186472	372	-0.66	0.00016
21	ENST00000334736	ENSG00000158636	1332	-0.10	0.48094
21	ENST00000334746	ENSG00000011114	1703	-0.38	3.82E-07
21	ENST00000335255	ENSG00000141568	3769	-0.23	2.08E-05
21	ENST00000335420	ENSG00000128607	1674	-0.21	0.01573
21	ENST00000336278	ENSG00000168807	1468	-0.53	3.04E-11
21	ENST00000337227	ENSG00000089050	404	-0.09	0.81130
21	ENST00000337273	ENSG00000083312	8069	-0.05	0.70859
21	ENST00000337743	ENSG00000089123	201	0.11	0.81047
21	ENST00000337929	ENSG00000103522	9	-1.06	NA
21	ENST00000338316	ENSG00000078295	4	-0.91	NA
21	ENST00000339082	ENSG00000011422	2743	0.01	0.95744
21	ENST00000339362	ENSG00000067141	563	-0.65	6.03E-07
21	ENST00000339824	ENSG00000171435	16	-0.96	NA
21	ENST00000340417	ENSG00000189308	1047	-0.14	0.36858
21	ENST00000340748	ENSG00000130816	8185	-0.14	0.00487
21	ENST00000340941	ENSG00000131844	2412	-0.15	0.09093
21	ENST00000341130	ENSG00000188051	2	-1.53	NA
21	ENST00000341166	ENSG00000104361	239	-0.30	0.18865

21	ENST00000341460	ENSG00000097096	438	-0.20	0.25629
21	ENST00000341567	ENSG00000106609	4672	-0.16	0.01603
21	ENST00000341772	ENSG00000187957	7429	-0.37	3.65E-11
21	ENST00000341885	ENSG00000176261	454	-0.37	0.03413
21	ENST00000342228	ENSG00000168575	742	-0.25	0.12434
21	ENST00000342785	ENSG00000038427	229	-0.36	0.11461
21	ENST00000343028	ENSG00000064115	4147	-0.84	5.28E-53
21	ENST00000343067	ENSG00000159023	1654	-0.32	1.15E-06
21	ENST00000343253	ENSG00000122483	724	-0.06	0.89020
21	ENST00000343736	ENSG00000005379	438	-0.93	1.40E-14
21	ENST00000344113	ENSG00000054654	5080	-0.24	0.01034
21	ENST00000345093	ENSG00000181852	1088	-0.32	0.00240
21	ENST00000345365	ENSG00000185379	693	-0.30	0.01521
21	ENST00000346348	ENSG00000135317	889	-0.42	0.00046
21	ENST00000348403	ENSG00000165209	1222	-0.21	0.14828
21	ENST00000351030	ENSG00000136811	2503	-0.26	0.00011
21	ENST00000351747	ENSG00000174844	3	-0.31	NA
21	ENST00000352127	ENSG00000126215	954	-0.64	3.68E-13
21	ENST00000354212	ENSG00000187391	11	0.35	NA
21	ENST00000354613	ENSG00000009950	235	-0.28	0.33726
21	ENST00000354791	ENSG00000173698	440	-0.10	0.82029
21	ENST00000355086	ENSG00000196935	1768	-0.10	0.48998
21	ENST00000355327	ENSG00000187720	1414	-1.09	1.16E-60
21	ENST00000355439	ENSG00000215790	899	-0.33	0.00113
21	ENST00000355628	ENSG00000163946	3650	-0.31	8.64E-07
21	ENST00000356056	ENSG00000066933	2053	-0.20	0.04488
21	ENST00000356218	ENSG00000139926	573	0.21	0.18219
21	ENST00000356317	ENSG00000139629	70	-0.63	0.09017
21	ENST00000356443	ENSG00000101605	10	0.28	NA
21	ENST00000357033	ENSG00000198947	1923	0.35	2.77E-06
21	ENST00000357115	ENSG00000198589	3383	-0.43	8.54E-14
21	ENST00000357162	ENSG00000132549	1904	-0.38	3.16E-06
21	ENST00000357450	ENSG00000077935	25	-0.24	0.88358
21	ENST00000357484	ENSG00000242498	1931	-0.18	0.00476
21	ENST00000357505	ENSG00000244754	1824	0.12	0.54921
21	ENST00000357533	ENSG00000083067	101	-0.57	0.13806
21	ENST00000358075	ENSG00000102158	3026	-0.39	5.85E-11
21	ENST00000359062	ENSG00000172572	22634	-0.06	0.52110
21	ENST00000359154	ENSG00000198373	1195	-0.41	3.82E-07
21	ENST00000359568	ENSG00000160299	3818	-0.20	0.00870
21	ENST00000359775	ENSG00000175048	273	-0.30	0.21521
21	ENST00000360315	ENSG00000167491	4571	-0.42	3.70E-15
21	ENST00000360448	ENSG00000164674	5	-1.68	NA
21	ENST00000360768	ENSG00000196715	2181	-0.35	2.83E-07
21	ENST00000360839	ENSG00000131503	125	0.07	0.94143
21	ENST00000361421	ENSG00000198846	146	-0.55	0.03112
21	ENST00000361719	ENSG00000152822	24	-0.23	0.89597
21	ENST00000361733	ENSG00000198909	1030	-0.20	0.05518

21	ENST00000362031	ENSG00000129515	1229	-0.09	0.68365
21	ENST00000366541	ENSG00000054282	278	-0.26	0.29535
21	ENST00000366808	ENSG00000183814	477	-0.04	0.91224
21	ENST00000366997	ENSG00000123684	3781	-0.65	1.48E-33
21	ENST00000367097	ENSG00000130338	2044	-0.34	7.73E-08
21	ENST00000367302	ENSG00000134369	2389	0.03	0.92460
21	ENST00000367384	ENSG00000120265	1571	-0.20	0.02337
21	ENST00000367435	ENSG00000134371	1887	-0.02	0.94050
21	ENST00000368679	ENSG00000148848	4809	-0.04	0.78575
21	ENST00000368690	ENSG00000160679	2713	-0.05	0.77878
21	ENST00000368892	ENSG00000163159	1347	-0.19	0.06445
21	ENST00000369037	ENSG00000164494	434	-0.10	0.68395
21	ENST00000369393	ENSG00000112159	7089	-0.22	0.00157
21	ENST00000370056	ENSG00000134215	379	-0.66	2.94E-06
21	ENST00000370192	ENSG00000188641	514	-0.18	0.53661
21	ENST00000370331	ENSG00000067208	1189	-0.57	4.78E-11
21	ENST00000370794	ENSG00000077254	2634	-0.20	0.02640
21	ENST00000373314	ENSG00000136830	18325	-0.33	6.72E-09
21	ENST00000373548	ENSG00000116478	2743	-0.20	0.00776
21	ENST00000373555	ENSG00000136935	1356	-0.07	0.71876
21	ENST00000373564	ENSG00000182866	20	0.00	NA
21	ENST00000373775	ENSG00000147133	2802	0.12	0.30931
21	ENST00000374012	ENSG00000025293	2857	-0.41	4.12E-12
21	ENST00000374026	ENSG00000196821	2061	-0.44	5.76E-10
21	ENST00000374481	ENSG00000178562	4	-1.25	NA
21	ENST00000374566	ENSG00000095203	318	0.19	0.58059
21	ENST00000374580	ENSG00000204217	3072	-0.38	1.76E-06
21	ENST00000374622	ENSG00000181704	2046	-0.38	1.67E-08
21	ENST00000375180	ENSG00000184083	550	-0.35	0.00285
21	ENST00000375255	ENSG00000115827	490	0.04	0.93887
21	ENST00000375715	ENSG00000169071	2097	-0.34	4.46E-06
21	ENST00000376705	ENSG00000185352	18	-1.04	NA
21	ENST00000376718	ENSG00000106772	212	-1.81	7.33E-31
21	ENST00000376747	ENSG00000102595	1687	-0.35	0.00012
21	ENST00000376834	ENSG00000156017	915	0.03	0.92768
21	ENST00000377022	ENSG00000130940	327	-0.17	0.57644
21	ENST00000377067	ENSG00000179399	841	-0.14	0.57338
21	ENST00000377252	ENSG00000120594	2758	-0.31	1.27E-05
21	ENST00000377298	ENSG00000171603	11940	-0.08	0.51297
21	ENST00000377346	ENSG00000171608	111	0.17	0.79254
21	ENST00000377797	ENSG00000070814	5848	0.02	0.89943
21	ENST00000377893	ENSG00000158292	415	-0.85	7.67E-11
21	ENST00000378061	ENSG00000204947	15	-0.10	NA
21	ENST00000378116	ENSG00000148468	603	-0.17	0.34108
21	ENST00000378455	ENSG00000183337	6036	0.10	0.20387
21	ENST00000379607	ENSG00000173674	3710	0.05	0.84682
21	ENST00000379980	ENSG00000133026	2225	-0.34	2.40E-06
21	ENST00000380249	ENSG00000188352	2725	-0.38	2.07E-09

21	ENST00000380265	ENSG00000138642	103	-1.11	0.00024
21	ENST00000380738	ENSG00000164985	3388	-0.24	0.00734
21	ENST00000381309	ENSG00000107077	1031	-0.18	0.20395
21	ENST00000381318	ENSG00000205726	1800	-0.05	0.80428
21	ENST00000381501	ENSG00000135605	58	-1.05	0.00241
21	ENST00000381655	ENSG00000132932	5	-0.38	NA
21	ENST00000382254	ENSG00000154162	31	-1.33	0.00160
21	ENST00000382303	ENSG00000107104	1172	-0.30	0.00405
21	ENST00000383772	ENSG00000077092	4	0.64	NA
21	ENST00000389672	ENSG00000080224	44	-0.01	0.99322
21	ENST00000390654	ENSG00000050767	4	-0.16	NA
21	ENST00000392650	ENSG00000069188	5	-0.73	NA
21	ENST00000392870	ENSG00000198873	652	-1.08	5.72E-28
21	ENST00000393066	ENSG00000108395	1656	-0.26	0.00022
21	ENST00000393651	ENSG00000135250	1086	-0.83	2.28E-32
21	ENST00000394205	ENSG00000153130	358	-0.21	0.47950
21	ENST00000394555	ENSG00000115380	2151	-0.29	9.73E-05
21	ENST00000394817	ENSG00000120725	972	-0.05	0.85809
21	ENST00000395198	ENSG00000148634	2284	-0.10	0.62107
21	ENST00000395443	ENSG00000198218	2096	-0.13	0.27591
21	ENST00000396197	ENSG00000151116	418	-0.47	0.00023
21	ENST00000396212	ENSG00000103540	1497	-0.21	0.03371
21	ENST00000396247	ENSG00000160439	462	-0.06	0.88702
21	ENST00000396578	ENSG00000169031	1522	-0.18	0.18998
21	ENST00000397167	ENSG00000198879	1253	-0.32	0.00022
21	ENST00000397821	ENSG00000147010	838	-0.02	0.95633
21	ENST00000398155	ENSG00000086712	1203	0.04	0.90250
21	ENST00000398238	ENSG00000073969	1104	-0.35	0.00018
21	ENST00000398571	ENSG00000115464	5332	-0.21	0.00520
21	ENST00000398761	ENSG00000107745	1188	-0.31	0.00012
21	ENST00000398958	ENSG00000180198	3509	0.03	0.86474
21	ENST00000400445	ENSG00000172915	439	-0.36	0.02734
21	ENST00000401642	ENSG00000184178	603	-0.47	2.38E-05
21	ENST00000402693	ENSG00000181588	960	-0.32	0.03482
21	ENST00000404895	ENSG00000156687	45	0.26	0.79499
21	ENST00000404938	ENSG00000004846	2	0.53	NA
21	ENST00000405015	ENSG00000115504	1052	-0.34	0.00520
21	ENST00000406610	ENSG00000116117	339	-0.86	1.87E-10
21	ENST00000407071	ENSG00000162849	29	-0.60	0.41956
21	ENST00000409359	ENSG00000136002	1495	-0.46	5.59E-11
21	ENST00000409508	ENSG00000105877	11	0.22	NA
21	ENST00000409792	ENSG00000181555	4698	-0.37	3.61E-11
21	ENST00000409830	ENSG00000144366	815	0.00	0.99209
21	ENST00000409871	ENSG00000188177	207	-0.40	0.11610
21	ENST00000409978	ENSG00000214694	108	-0.13	0.85193
21	ENST00000410107	ENSG00000111846	519	-0.01	0.97695
21	ENST00000412402	ENSG00000128573	207	-0.61	0.00300
21	ENST00000412611	ENSG00000179152	520	-0.28	0.04322

21	ENST00000413464	ENSG00000148840	3076	-0.21	0.00247
21	ENST00000414689	ENSG00000149932	976	0.09	0.67878
21	ENST00000415496	ENSG00000102858	3458	-0.15	0.15240
21	ENST00000417257	ENSG00000171877	120	-1.11	5.07E-06
21	ENST00000418927	ENSG00000235269	5	-0.11	NA
21	ENST00000418988	ENSG00000129084	188	-0.15	0.80514
21	ENST00000419735	ENSG00000146776	310	-0.37	0.12624
21	ENST00000420428	ENSG00000101489	56	0.05	0.96809
21	ENST00000420921	ENSG00000170153	1600	-0.07	0.67442
21	ENST00000421544	ENSG00000164418	886	-0.04	0.89374
21	ENST00000421806	ENSG00000196233	1995	-0.08	0.63232
21	ENST00000422809	ENSG00000156273	1940	0.17	0.09384
21	ENST00000424526	ENSG00000141449	1009	-0.29	0.03450
21	ENST00000424555	ENSG00000075213	770	-0.17	0.23984
21	ENST00000425528	ENSG00000105576	2851	-0.18	0.01713
21	ENST00000426654	ENSG00000102908	1423	-0.49	4.32E-06
21	ENST00000427067	ENSG00000136960	4	-1.19	NA
21	ENST00000427805	ENSG00000241343	274	-0.11	0.83270
21	ENST00000427836	ENSG00000178385	1058	-0.19	0.15297
21	ENST00000430046	ENSG00000157107	661	-0.02	0.96798
21	ENST00000433346	ENSG00000010626	159	0.08	0.91098
21	ENST00000435030	ENSG00000168280	69	-0.40	0.44515
21	ENST00000435205	ENSG00000164142	1600	-0.30	9.77E-06
21	ENST00000435336	ENSG00000106266	1218	0.03	0.92044
21	ENST00000436367	ENSG00000124788	1349	-0.22	0.02672
21	ENST00000437600	ENSG00000257923	11499	-0.39	3.40E-16
21	ENST00000438146	ENSG00000100320	3423	-0.03	0.90284
21	ENST00000441222	ENSG00000109189	587	-0.37	0.00291
21	ENST00000441448	ENSG00000197498	626	-0.04	0.92001
21	ENST00000441493	ENSG00000243156	2325	-0.12	0.37388
21	ENST00000443617	ENSG00000103657	7886	-0.47	1.28E-22
21	ENST00000446050	ENSG00000163536	614	-0.69	5.79E-12
21	ENST00000446378	ENSG00000164309	84	-0.34	0.62055
21	ENST00000446828	ENSG00000073803	477	-0.28	0.14017
21	ENST00000447079	ENSG00000167258	4591	-0.10	0.28951
21	ENST00000448225	ENSG00000163412	71	-0.35	0.61856
21	ENST00000449802	ENSG00000144426	1799	-0.09	0.70211
21	ENST00000450241	ENSG00000197782	555	-0.40	0.00117
21	ENST00000450454	ENSG00000204219	73	-0.56	0.29058
21	ENST00000450716	ENSG00000114279	576	-0.37	0.00154
21	ENST00000451013	ENSG00000196275	32	-0.13	0.93533
21	ENST00000451060	ENSG00000100227	2860	-0.03	0.89489
21	ENST00000452449	ENSG00000065060	1914	-0.26	0.00019
21	ENST00000453153	ENSG00000138399	649	-0.28	0.01533
21	ENST00000453962	ENSG00000100385	64	-0.51	0.21692
21	ENST00000454756	ENSG00000226887	10	-1.48	NA
21	ENST00000455332	ENSG00000036672	199	-0.47	0.08190
21	ENST00000455502	ENSG00000127928	124	-0.63	0.03158

21	ENST00000458141	ENSG00000137573	39	-0.29	0.74912
21	ENST00000458234	ENSG00000196498	16622	0.08	0.54467
21	ENST00000458381	ENSG00000163072	134	-0.70	0.00273
21	ENST00000460675	ENSG00000188243	464	-0.19	0.47850
21	ENST00000461040	ENSG00000174899	10	-1.77	NA
21	ENST00000462107	ENSG00000106327	374	0.22	0.39187
21	ENST00000463477	ENSG00000153707	78	-1.47	2.87E-07
21	ENST00000463781	ENSG00000145113	19	1.14	NA
21	ENST00000464747	ENSG00000116044	3608	-0.01	0.94772
21	ENST00000465039	ENSG00000144791	2644	-0.35	1.85E-08
21	ENST00000466232	ENSG00000005486	1954	-0.04	0.88702
21	ENST00000466493	ENSG00000204130	481	-0.18	0.38857
21	ENST00000468573	ENSG00000133019	126	-0.11	0.85199
21	ENST00000469882	ENSG00000114416	3765	-0.21	0.00586
21	ENST00000474271	ENSG00000256053	189	0.07	0.92277
21	ENST00000474524	ENSG00000144893	14	-0.54	NA
21	ENST00000479212	ENSG00000178075	76	-0.24	0.73196
21	ENST00000480820	ENSG00000174891	691	-0.17	0.25988
21	ENST00000481247	ENSG00000183826	268	-0.49	0.00224
21	ENST00000482491	ENSG00000143748	1011	-0.17	0.10586
21	ENST00000487931	ENSG00000162616	1132	0.04	0.88652
21	ENST00000488477	ENSG00000152049	4	-0.60	NA
21	ENST00000492590	ENSG00000189283	34	-0.91	0.20830
21	ENST00000495461	ENSG00000113811	707	-0.32	0.00730
21	ENST00000504592	ENSG00000153064	130	-0.01	0.98905
21	ENST00000505197	ENSG00000001084	859	0.11	0.54543
21	ENST00000506087	ENSG00000170088	558	-0.01	0.97985
21	ENST00000506296	ENSG00000198055	1474	-0.03	0.88834
21	ENST00000507379	ENSG00000134982	2816	0.01	0.97055
21	ENST00000508278	ENSG00000175581	633	-0.29	0.04759
21	ENST00000509193	ENSG00000164300	648	-0.35	0.00191
21	ENST00000509549	ENSG00000242259	479	-0.53	2.87E-07
21	ENST00000510259	ENSG00000186314	209	-0.09	0.85388
21	ENST00000513024	ENSG00000064042	20383	-0.29	1.27E-09
21	ENST00000513040	ENSG00000155324	256	-0.32	0.13547
21	ENST00000513610	ENSG00000145555	18244	-0.17	0.00028
21	ENST00000513724	ENSG00000163293	17	-0.28	NA
21	ENST00000515359	ENSG00000173402	10693	-0.38	2.57E-18
21	ENST00000517608	ENSG00000104343	543	-0.11	0.76076
21	ENST00000518547	ENSG00000170873	135	-0.27	0.49555
21	ENST00000519728	ENSG00000254087	471	-0.28	0.17673
21	ENST00000521769	ENSG00000113263	12	-1.73	NA
21	ENST00000522495	ENSG00000131203	82	-3.31	6.36E-34
21	ENST00000524543	ENSG00000166471	929	-0.08	0.73519
21	ENST00000524717	ENSG00000184384	664	-0.49	4.38E-06
21	ENST00000527524	ENSG00000149403	4	0.97	NA
21	ENST00000529388	ENSG00000133794	505	0.04	0.92844
21	ENST00000532219	ENSG00000254996	62	-0.16	0.88082

21	ENST00000535005	ENSG00000073060	4800	-0.18	0.01678
21	ENST00000535206	ENSG00000086062	49189	0.05	0.64207
21	ENST00000536122	ENSG00000141013	579	-0.47	3.32E-05
21	ENST00000536438	ENSG00000096060	571	-0.07	0.83356
21	ENST00000537098	ENSG00000153815	4390	-0.38	6.64E-22
21	ENST00000538366	ENSG00000075945	623	0.18	0.27576
21	ENST00000539198	ENSG00000111186	10	0.57	NA
21	ENST00000540643	ENSG00000198089	973	-0.15	0.41654
21	ENST00000543095	ENSG00000129493	992	-0.46	2.32E-06
21	ENST00000543571	ENSG00000131023	1476	-0.05	0.82009
21	ENST00000543953	ENSG00000102078	247	-0.47	0.00972
21	ENST00000543982	ENSG00000073050	884	0.06	0.84661
21	ENST00000544408	ENSG00000100372	965	-0.32	0.00106
21	ENST00000544583	ENSG00000159842	3389	-0.19	0.00181
21	ENST00000545172	ENSG00000143199	6	-0.78	NA
21	ENST00000545279	ENSG00000113658	2777	-0.23	0.00840
21	ENST00000546424	ENSG00000132906	1897	-0.43	3.04E-08
21	ENST00000548559	ENSG00000004455	6406	0.03	0.83426
21	ENST00000551935	ENSG00000129521	655	0.08	0.80396
21	ENST00000552844	ENSG00000137962	2396	-0.01	0.97498
21	ENST00000552918	ENSG00000123352	1507	-0.53	1.03E-10
21	ENST00000553221	ENSG00000135452	439	0.09	0.82720
21	ENST00000554752	ENSG00000006432	543	-0.36	0.00035
21	ENST00000555661	ENSG00000140043	93	-0.46	0.20169
21	ENST00000557172	ENSG00000126214	806	0.04	0.92302
21	ENST00000557943	ENSG00000140374	2926	-0.27	0.00020
21	ENST00000558348	ENSG00000157470	430	-0.11	0.74816
21	ENST00000559171	ENSG00000100889	816	-1.00	6.00E-19
21	ENST00000561234	ENSG00000140320	1111	-0.45	3.91E-08
21	ENST00000564415	ENSG00000103051	2108	-0.61	1.19E-24
21	ENST00000567109	ENSG00000140945	689	-0.55	5.84E-10
21	ENST00000567887	ENSG00000127603	11468	-0.26	3.55E-07
21	ENST00000569304	ENSG00000103769	2741	-0.02	0.92817
21	ENST00000572145	ENSG00000167193	2647	-0.16	0.04093
21	ENST00000572559	ENSG00000153406	1543	0.02	0.96172
21	ENST00000574315	ENSG00000162526	24	-1.39	0.05593
21	ENST00000577513	ENSG00000173065	549	-0.88	1.32E-15
21	ENST00000587566	ENSG00000007047	705	-0.26	0.13911
21	ENST00000588188	ENSG00000108946	4159	0.03	0.85335
21	ENST00000589222	ENSG00000141376	406	-1.13	9.99E-16
21	ENST00000589272	ENSG00000132026	7	-1.33	NA
21	ENST00000589765	ENSG00000095066	417	0.22	0.40387
21	ENST00000591040	ENSG00000176624	1071	-0.06	0.81892
21	ENST00000591529	ENSG00000065717	50	-0.39	0.55846
21	ENST00000592059	ENSG00000175354	690	-0.12	0.59123
21	ENST00000593635	ENSG00000183850	16	-0.25	NA
21	ENST00000594594	ENSG00000011243	1326	-0.12	0.43889
21	ENST00000595618	ENSG00000099331	3683	-0.13	0.13805

21	ENST00000596053	ENSG00000160352	884	-0.15	0.46205
21	ENST00000598758	ENSG00000105329	2766	-0.12	0.44084
21	ENST00000599218	ENSG00000012211	543	-0.27	0.11052
21	ENST00000600003	ENSG00000197857	205	-0.48	0.02385
21	ENST00000600128	ENSG00000142449	10	-0.89	NA
21	ENST00000602142	ENSG00000141968	46	-0.21	0.84619
21	ENST00000604030	ENSG00000109686	1970	-0.34	2.53E-07
21	ENST00000606202	ENSG00000055208	1697	-0.19	0.08981
21	ENST00000606978	ENSG00000204929	5	-1.39	NA
21	ENST00000608166	ENSG00000023572	378	-0.15	0.61842
21	ENST00000611820	ENSG00000147050	877	-0.58	1.22E-11
21	ENST00000612339	ENSG00000184988	154	-0.11	0.88358
21	ENST00000612482	ENSG00000198911	9666	-0.63	4.06E-35
21	ENST00000613246	ENSG00000149177	4592	-0.39	8.71E-16
21	ENST00000613899	ENSG00000219626	90	0.12	0.90546
21	ENST00000614300	ENSG00000189339	2589	-0.48	2.02E-17
21	ENST00000614508	ENSG00000275835	1350	0.02	0.95830
21	ENST00000615112	ENSG00000149294	15	-2.96	NA
21	ENST00000616617	ENSG00000135525	5071	-0.56	1.16E-28
21	ENST00000617811	ENSG00000275410	39	-1.04	0.02139
21	ENST00000618666	ENSG00000129315	2900	-0.14	0.12413
21	ENST00000618914	ENSG00000120992	1301	-0.32	0.00039
21	ENST00000619168	ENSG00000183049	1218	-0.85	2.21E-27
21	ENST00000621999	ENSG00000085365	1165	-0.18	0.30542
21	ENST00000635760	ENSG00000096093	709	-0.25	0.27986
21	ENST00000635934	ENSG00000189195	95	-0.34	0.40086
21	ENST00000636006	ENSG00000109265	509	-0.43	0.00053
21	ENST00000636203	ENSG00000189337	2893	-0.13	0.22434
21	ENST00000636523	ENSG00000174705	3626	-0.05	0.75087
21	ENST00000636680	ENSG00000144642	574	-0.32	0.05853
21	ENST00000636863	ENSG00000113638	1280	0.10	0.66271
21	ENST00000637138	ENSG00000132359	2044	-0.19	0.00426
21	ENST00000637669	ENSG00000239900	345	-0.03	0.96348
21	ENST00000638157	ENSG00000023171	2660	-0.02	0.89489
21	ENST00000642610	ENSG00000284770	156	0.03	0.97326
21	ENST00000642720	ENSG00000147481	12	-0.73	NA
21	ENST00000643051	ENSG00000125257	1348	-0.16	0.20922
21	ENST00000643116	ENSG00000065000	5694	-0.13	0.10278
21	ENST00000644968	ENSG00000120278	433	-0.04	0.93074
21	ENST00000645463	ENSG00000253438	24	-1.60	0.00065
21	ENST00000647893	ENSG00000197594	350	-1.07	3.60E-15
21	ENST00000647932	ENSG00000146409	523	-0.38	0.00477
21	ENST00000648336	ENSG00000114062	3521	-0.05	0.75402
21	ENST00000648702	ENSG00000173436	183	0.13	0.81379
21	ENST00000648994	ENSG00000261609	527	-0.20	0.28864
21	ENST00000649065	ENSG00000179455	196	0.04	0.96235
21	ENST00000649286	ENSG00000006530	771	-0.12	0.53886
21	ENST00000650440	ENSG00000142235	84	-0.18	0.80177

21	ENST00000650623	ENSG00000198825	262	-0.16	0.65965
21	ENST00000651028	ENSG00000174428	121	0.03	0.97181
21	ENST00000651092	ENSG00000099204	9205	-0.80	5.58E-80
21	ENST00000651989	ENSG00000033122	22	-0.64	0.56345
21	ENST00000655425	ENSG00000130021	428	-0.01	0.98794
21	ENST00000661493	ENSG00000245694	387	0.24	0.21521
21	ENST00000671377	ENSG00000140948	2965	-0.09	0.42413
21	ENST00000671730	ENSG00000156671	756	-0.22	0.08892
21	ENST00000672453	ENSG00000122507	364	-0.04	0.92251
21	ENST00000672957	ENSG00000138303	759	-0.17	0.27677
21	ENST00000673317	ENSG00000100478	162	-0.07	0.91966
21	ENST00000674063	ENSG00000051382	1096	-0.30	0.00595

Supplementary Table 5 lists all genes that were targeted by ASO 21 and RNA-seq data was available. The transcript ID is given together with the ENSEMBL gene ID. Mean expression, log2 fold change and the adjusted p-value (padj) were calculated using DESeq2. *IDO1* (ENSG00000131203) is marked in bold.

Supplementary Table 6

ASO	ENSEMBL_Transcript_ID	ENSEMBL_Gene_ID	mean_expression	log ₂ (FoldChange)	padj
31	ENST00000173229	ENSG00000065320	5	0.23	NA
31	ENST00000178640	ENSG00000137764	653	-0.16	0.31678
31	ENST00000202816	ENSG00000089048	345	0.13	0.61253
31	ENST00000204566	ENSG00000090487	2507	-0.77	3.09E-32
31	ENST00000205061	ENSG00000090863	7994	-0.20	4.86E-05
31	ENST00000217246	ENSG00000172264	46	-0.10	0.88603
31	ENST00000217446	ENSG00000101464	490	-0.17	0.28696
31	ENST00000220592	ENSG00000123908	9994	-0.04	0.52744
31	ENST00000220772	ENSG00000104332	3	-0.52	NA
31	ENST00000222345	ENSG00000105738	1990	-0.60	6.98E-23
31	ENST00000223398	ENSG00000106665	531	-0.67	1.77E-10
31	ENST00000226299	ENSG00000002549	1240	0.02	0.92219
31	ENST00000228347	ENSG00000013503	682	0.04	0.86092
31	ENST00000230036	ENSG00000112293	119	-0.56	0.03053
31	ENST00000230122	ENSG00000112365	702	-0.09	0.59429
31	ENST00000231498	ENSG00000113569	13262	-0.17	0.00183
31	ENST00000232375	ENSG00000114268	366	-0.18	0.52185
31	ENST00000236698	ENSG00000118007	2103	-0.23	0.05137
31	ENST00000237853	ENSG00000118985	6998	-0.12	0.06775
31	ENST00000239231	ENSG00000120137	3023	-0.15	0.05521
31	ENST00000242351	ENSG00000105939	3780	-0.08	0.27026
31	ENST00000242505	ENSG00000138286	307	-0.18	0.32240
31	ENST00000247986	ENSG00000117245	23	-0.01	0.99556
31	ENST00000248098	ENSG00000206053	3405	-0.14	0.03283
31	ENST00000251108	ENSG00000102543	156	0.12	0.69490
31	ENST00000251507	ENSG00000152061	474	-0.44	0.00094
31	ENST00000251636	ENSG00000067248	1734	-0.23	0.02009
31	ENST00000251849	ENSG00000132155	3226	-0.28	1.53E-06
31	ENST00000252891	ENSG00000105245	1764	-0.08	0.54095
31	ENST00000253048	ENSG00000130749	2992	-0.06	0.52822
31	ENST00000253693	ENSG00000131375	1412	-0.07	0.57382
31	ENST00000254260	ENSG00000131941	571	-0.18	0.17577
31	ENST00000254480	ENSG00000173473	5710	0.01	0.95203
31	ENST00000255681	ENSG00000133315	995	-0.71	1.07E-12
31	ENST00000256190	ENSG00000133812	1340	-0.59	8.68E-12
31	ENST00000256324	ENSG00000133943	371	-0.33	0.01553
31	ENST00000256339	ENSG00000133958	14	-0.45	0.61455
31	ENST00000256441	ENSG00000134056	323	-0.10	0.66701
31	ENST00000256509	ENSG00000134121	2125	-0.45	6.46E-11
31	ENST00000257572	ENSG00000135116	78	0.11	0.80922
31	ENST00000257700	ENSG00000135249	1061	-0.01	0.93823
31	ENST00000258104	ENSG00000135636	46	-0.47	0.31966
31	ENST00000258729	ENSG00000136231	3013	-0.23	0.00280
31	ENST00000259008	ENSG00000136492	1471	-0.38	5.72E-05
31	ENST00000259050	ENSG00000136536	2364	-0.08	0.55571
31	ENST00000260453	ENSG00000138587	176	0.25	0.44685

31	ENST00000260641	ENSG00000138071	6115	-0.03	0.81831
31	ENST00000260753	ENSG00000138182	2908	-0.01	0.97334
31	ENST00000261383	ENSG00000158486	15	-0.57	0.55023
31	ENST00000261405	ENSG00000110799	42	-0.21	0.75542
31	ENST00000261483	ENSG00000112893	2689	-0.29	0.00028
31	ENST00000261893	ENSG00000103642	353	-0.32	0.05239
31	ENST00000262030	ENSG00000110955	16934	-0.11	0.12665
31	ENST00000262053	ENSG00000123268	1024	0.08	0.57514
31	ENST00000262291	ENSG00000062716	11245	-0.10	0.43174
31	ENST00000262367	ENSG00000005339	5545	-0.08	0.27019
31	ENST00000262410	ENSG00000186868	53	-0.21	0.72404
31	ENST00000262510	ENSG00000140853	1243	-0.09	0.51002
31	ENST00000262554	ENSG00000090054	1729	-0.07	0.55316
31	ENST00000262626	ENSG00000105707	78	-0.80	0.01676
31	ENST00000262719	ENSG00000081913	876	-0.18	0.08864
31	ENST00000262848	ENSG00000183943	920	-0.43	5.14E-08
31	ENST00000263073	ENSG00000070366	1283	-0.33	1.28E-05
31	ENST00000263663	ENSG00000115750	512	-0.08	0.59833
31	ENST00000263694	ENSG00000060688	2269	0.01	0.92188
31	ENST00000263881	ENSG00000011566	684	-0.23	0.06964
31	ENST00000263918	ENSG00000115808	1428	-0.08	0.53328
31	ENST00000264094	ENSG00000115318	70	-0.78	0.03314
31	ENST00000264658	ENSG00000108306	1561	-0.36	2.23E-05
31	ENST00000264709	ENSG00000119772	1829	0.10	0.29648
31	ENST00000264982	ENSG00000114107	482	0.24	0.08864
31	ENST00000265107	ENSG00000082068	1451	0.00	0.97445
31	ENST00000265371	ENSG00000099250	400	-0.87	3.89E-13
31	ENST00000265560	ENSG00000114316	1416	-0.09	0.42046
31	ENST00000265586	ENSG00000114770	1269	-0.04	0.78036
31	ENST00000265709	ENSG00000029534	48	0.22	0.67990
31	ENST00000265963	ENSG00000110768	1306	-0.20	0.04520
31	ENST00000266037	ENSG00000088538	39	0.15	0.84524
31	ENST00000266058	ENSG00000187122	7	-0.58	NA
31	ENST00000266529	ENSG00000139168	807	-0.04	0.79741
31	ENST00000267890	ENSG00000128881	1142	-0.21	0.01618
31	ENST00000268042	ENSG00000140450	263	-0.35	0.06754
31	ENST00000268206	ENSG00000140598	1409	-0.13	0.21990
31	ENST00000269228	ENSG00000141458	2889	-0.34	5.04E-13
31	ENST00000269701	ENSG00000105127	1223	0.06	0.64127
31	ENST00000272322	ENSG00000143952	502	-0.38	0.00226
31	ENST00000275767	ENSG00000146859	11	0.75	NA
31	ENST00000276603	ENSG00000147601	482	-0.20	0.24359
31	ENST00000278616	ENSG00000149311	3092	-0.22	0.00266
31	ENST00000280333	ENSG00000150760	2627	-0.08	0.41850
31	ENST00000280665	ENSG00000151065	274	0.10	0.67693
31	ENST00000280758	ENSG00000151136	5	0.74	NA
31	ENST00000281928	ENSG00000123066	3208	-0.32	2.63E-07
31	ENST00000282111	ENSG00000152284	30	0.16	0.84859

31	ENST00000283122	ENSG00000153140	168	0.26	0.36031
31	ENST00000283365	ENSG00000134769	84	0.44	0.18187
31	ENST00000283875	ENSG00000153767	699	-0.25	0.07614
31	ENST00000283928	ENSG00000153814	257	0.08	0.74388
31	ENST00000284061	ENSG00000153933	509	0.02	0.93247
31	ENST00000284273	ENSG00000154127	193	-0.54	0.00429
31	ENST00000284637	ENSG00000154447	2850	0.04	0.63259
31	ENST00000286548	ENSG00000156052	1174	-0.25	0.02150
31	ENST00000290650	ENSG00000159459	2089	-0.11	0.21619
31	ENST00000290913	ENSG00000159685	209	-0.12	0.72578
31	ENST00000292562	ENSG00000198169	435	-0.24	0.08761
31	ENST00000294623	ENSG00000162613	4926	0.05	0.58979
31	ENST00000295095	ENSG00000075884	4	-0.04	NA
31	ENST00000295488	ENSG00000163312	369	0.13	0.58206
31	ENST00000295888	ENSG00000163625	2789	-0.17	0.05019
31	ENST00000295958	ENSG00000163683	527	-0.01	0.97632
31	ENST00000295962	ENSG00000163686	363	-0.27	0.08989
31	ENST00000295987	ENSG00000008056	2	0.79	NA
31	ENST00000296043	ENSG00000138771	2764	-0.30	1.99E-07
31	ENST00000296252	ENSG00000163898	155	-0.31	0.31704
31	ENST00000296550	ENSG00000170390	494	-0.29	0.03842
31	ENST00000296721	ENSG00000157510	134	0.41	0.09825
31	ENST00000296933	ENSG00000072803	2265	-0.42	1.62E-09
31	ENST00000296953	ENSG00000164463	349	0.18	0.36133
31	ENST00000296955	ENSG00000164465	1275	-0.28	0.00067
31	ENST00000297145	ENSG00000164603	212	-0.11	0.71108
31	ENST00000297540	ENSG00000164902	1057	0.16	0.18006
31	ENST00000297623	ENSG00000164972	4	-1.18	NA
31	ENST00000297875	ENSG00000147041	39	-0.94	0.04079
31	ENST00000298198	ENSG00000165434	667	-0.63	1.93E-09
31	ENST00000298815	ENSG00000165895	563	0.02	0.93308
31	ENST00000300107	ENSG00000166855	1894	0.04	0.70192
31	ENST00000301030	ENSG00000167522	7371	-0.08	0.25447
31	ENST00000301788	ENSG00000168002	1618	-0.16	0.09581
31	ENST00000301923	ENSG00000100354	4754	-0.08	0.31027
31	ENST00000302174	ENSG00000170502	553	0.07	0.77923
31	ENST00000302850	ENSG00000171105	1198	-0.31	7.39E-05
31	ENST00000304621	ENSG00000168234	1997	-0.05	0.61722
31	ENST00000304858	ENSG00000170606	6240	-0.11	0.16235
31	ENST00000305494	ENSG00000166575	947	-0.22	0.02038
31	ENST00000305877	ENSG00000186716	5039	-0.42	2.81E-12
31	ENST00000306627	ENSG00000170142	891	-0.26	0.02152
31	ENST00000308159	ENSG00000102900	2146	-0.52	1.95E-16
31	ENST00000308664	ENSG00000174437	16431	-0.23	7.87E-09
31	ENST00000313367	ENSG00000070882	1305	-0.01	0.95440
31	ENST00000313698	ENSG00000111271	530	-0.43	0.00011
31	ENST00000314499	ENSG00000178662	7	-0.92	NA
31	ENST00000315970	ENSG00000135506	4826	-0.04	0.68532

31	ENST00000316615	ENSG00000177885	3290	-0.10	0.28538
31	ENST00000316738	ENSG00000140025	170	-0.14	0.65077
31	ENST00000316891	ENSG00000043514	967	0.04	0.82425
31	ENST00000317058	ENSG00000176476	367	-0.09	0.71493
31	ENST00000317357	ENSG00000112320	19	0.02	0.99016
31	ENST00000318217	ENSG00000176658	29	-0.78	0.31474
31	ENST00000320203	ENSG00000157110	970	0.00	0.99943
31	ENST00000320394	ENSG00000174628	155	-0.49	0.05450
31	ENST00000320876	ENSG00000101596	4048	-0.14	0.14386
31	ENST00000321728	ENSG00000166501	459	0.80	5.87E-13
31	ENST00000322285	ENSG00000122012	880	-0.68	3.66E-13
31	ENST00000323078	ENSG00000127399	384	-0.20	0.30971
31	ENST00000324109	ENSG00000107554	5899	-0.08	0.24816
31	ENST00000324631	ENSG00000165995	74	-0.01	0.97930
31	ENST00000325324	ENSG00000086200	1081	-0.19	0.11748
31	ENST00000326291	ENSG00000083535	734	-0.16	0.39936
31	ENST00000328194	ENSG00000184014	3626	-0.41	9.12E-12
31	ENST00000328928	ENSG00000130775	39	-0.43	0.43808
31	ENST00000330208	ENSG00000126091	408	0.03	0.91673
31	ENST00000330342	ENSG00000185344	1236	-0.25	0.01086
31	ENST00000330498	ENSG00000140675	5	-1.12	NA
31	ENST00000330915	ENSG00000186994	7	-0.66	NA
31	ENST00000331555	ENSG00000263961	24	-1.27	0.04940
31	ENST00000333003	ENSG00000120798	565	-0.18	0.25766
31	ENST00000333229	ENSG00000185658	3020	-0.05	0.71560
31	ENST00000334256	ENSG00000186432	3147	-0.01	0.97404
31	ENST00000335473	ENSG00000133454	2	1.31	NA
31	ENST00000335613	ENSG00000167992	9	-0.29	NA
31	ENST00000336078	ENSG00000074657	2754	-0.24	0.00021
31	ENST00000336278	ENSG00000168807	1468	-0.12	0.26058
31	ENST00000336596	ENSG00000044524	42	-0.81	0.09913
31	ENST00000336898	ENSG00000158555	679	-0.31	0.02027
31	ENST00000336926	ENSG00000127946	1326	-0.52	2.64E-17
31	ENST00000337351	ENSG00000007392	1138	-0.04	0.82494
31	ENST00000337530	ENSG00000165185	900	-0.08	0.54183
31	ENST00000339824	ENSG00000171435	16	-1.57	0.04686
31	ENST00000340413	ENSG00000120253	1840	-0.45	1.82E-07
31	ENST00000341162	ENSG00000119616	1073	-0.17	0.16200
31	ENST00000341653	ENSG00000125952	1047	0.14	0.28899
31	ENST00000341865	ENSG00000188112	241	0.05	0.85770
31	ENST00000342415	ENSG00000168566	1298	0.01	0.95582
31	ENST00000343855	ENSG00000188707	559	-0.40	0.00116
31	ENST00000344280	ENSG00000165972	3	-1.33	NA
31	ENST00000344683	ENSG00000147316	730	-0.03	0.85885
31	ENST00000345127	ENSG00000139174	52	-1.52	2.17E-07
31	ENST00000346183	ENSG00000072736	1161	-0.45	5.39E-10
31	ENST00000347053	ENSG00000164597	1157	-0.28	6.71E-05
31	ENST00000348502	ENSG00000068366	4553	-0.31	2.86E-05

31	ENST00000352480	ENSG00000130707	6301	0.12	0.06685
31	ENST00000352632	ENSG00000160460	6	-0.44	NA
31	ENST00000352896	ENSG00000111879	27	0.50	0.43729
31	ENST00000354650	ENSG00000010810	1994	-0.06	0.56447
31	ENST00000354992	ENSG00000133424	2	-1.35	NA
31	ENST00000355086	ENSG00000196935	1768	-0.04	0.78165
31	ENST00000355327	ENSG00000187720	1414	-0.64	4.46E-22
31	ENST00000355697	ENSG00000183605	645	-0.33	0.00978
31	ENST00000355904	ENSG00000197265	560	-0.15	0.31876
31	ENST00000355917	ENSG00000047579	220	0.06	0.87874
31	ENST00000356206	ENSG00000197217	1808	0.01	0.96222
31	ENST00000356495	ENSG00000162896	5	0.55	NA
31	ENST00000356860	ENSG00000153956	1801	-0.44	1.42E-10
31	ENST00000356865	ENSG00000206190	7	-0.08	NA
31	ENST00000358935	ENSG00000198060	892	-0.29	0.02466
31	ENST00000359154	ENSG00000198373	1195	-0.47	6.14E-10
31	ENST00000359358	ENSG00000197705	25	-0.70	0.19939
31	ENST00000359373	ENSG00000186635	3501	-0.02	0.87346
31	ENST00000359726	ENSG00000142192	15640	0.07	0.15831
31	ENST00000359942	ENSG00000197429	428	-0.19	0.20418
31	ENST00000361209	ENSG00000148219	129	-0.10	0.76760
31	ENST00000361246	ENSG00000198752	7834	-0.42	3.99E-17
31	ENST00000361462	ENSG00000198718	780	-0.22	0.03648
31	ENST00000361507	ENSG00000033327	557	-0.20	0.12515
31	ENST00000361627	ENSG00000198826	4698	0.04	0.77136
31	ENST00000361822	ENSG00000198839	512	-0.24	0.05254
31	ENST00000362010	ENSG00000197415	56	-0.31	0.48962
31	ENST00000366574	ENSG00000198626	94	-0.37	0.33402
31	ENST00000366769	ENSG00000143776	3784	-0.07	0.40026
31	ENST00000366794	ENSG00000143799	7902	0.07	0.22064
31	ENST00000367435	ENSG00000134371	1887	-0.01	0.97476
31	ENST00000367467	ENSG00000111961	2025	-0.23	9.32E-05
31	ENST00000367576	ENSG00000135521	179	-0.02	0.95719
31	ENST00000367696	ENSG00000135870	2483	0.00	0.98159
31	ENST00000367858	ENSG00000118515	17727	-0.10	0.08645
31	ENST00000368559	ENSG00000143552	10	0.00	NA
31	ENST00000368679	ENSG00000148848	4809	-0.27	4.02E-10
31	ENST00000368851	ENSG00000112394	7	-1.92	NA
31	ENST00000369016	ENSG00000143420	3573	0.13	0.13065
31	ENST00000369037	ENSG00000164494	434	-0.41	0.00014
31	ENST00000369569	ENSG00000134262	591	-0.18	0.22399
31	ENST00000369838	ENSG00000198478	291	-0.01	0.96600
31	ENST00000369939	ENSG00000116299	61	-0.11	0.87472
31	ENST00000370321	ENSG00000122406	17375	0.10	0.16767
31	ENST00000370397	ENSG00000213341	993	-0.26	0.01466
31	ENST00000370728	ENSG00000117114	603	-0.23	0.07664
31	ENST00000370758	ENSG00000122420	5	-4.83	NA
31	ENST00000371130	ENSG00000009694	11	0.01	NA

31	ENST00000371244	ENSG00000162409	1045	-0.30	0.00078
31	ENST00000371281	ENSG00000243725	28	0.11	0.93050
31	ENST00000371493	ENSG00000164402	1540	0.18	0.00964
31	ENST00000371497	ENSG00000182463	2667	-0.79	1.06E-24
31	ENST00000371608	ENSG00000124243	228	-0.13	0.59134
31	ENST00000371839	ENSG00000186094	7	0.01	NA
31	ENST00000371950	ENSG00000147246	20	-0.31	0.75121
31	ENST00000371953	ENSG00000171862	5635	0.20	0.00018
31	ENST00000371998	ENSG00000124151	1867	0.01	0.91745
31	ENST00000372070	ENSG00000117448	2214	0.11	0.26570
31	ENST00000372134	ENSG00000165678	4473	-0.12	0.12445
31	ENST00000373023	ENSG00000204084	1222	0.00	0.97844
31	ENST00000373036	ENSG00000188786	1078	0.02	0.89736
31	ENST00000373207	ENSG00000138316	12	-1.64	0.10145
31	ENST00000373232	ENSG00000180817	2473	-0.09	0.26089
31	ENST00000373475	ENSG00000116497	1472	-0.35	8.20E-06
31	ENST00000373564	ENSG00000182866	20	0.60	0.46157
31	ENST00000373624	ENSG00000119522	1828	-0.25	0.00050
31	ENST00000373644	ENSG00000138336	23	-0.07	0.95203
31	ENST00000373647	ENSG00000011454	2704	-0.07	0.43777
31	ENST00000373839	ENSG00000204138	1740	-0.40	1.23E-05
31	ENST00000373912	ENSG00000117748	1342	-0.17	0.04327
31	ENST00000374530	ENSG00000157654	8842	-0.47	1.60E-41
31	ENST00000374935	ENSG00000075151	4692	-0.76	4.12E-33
31	ENST00000375011	ENSG00000119514	72	-0.37	0.29573
31	ENST00000375735	ENSG00000187240	1620	-0.21	0.02391
31	ENST00000376236	ENSG00000077420	119	-0.13	0.75663
31	ENST00000376352	ENSG00000166263	766	-0.10	0.57270
31	ENST00000376355	ENSG00000125246	70	-0.71	0.08645
31	ENST00000376462	ENSG00000120549	1981	0.05	0.67737
31	ENST00000376705	ENSG00000185352	18	-0.33	0.74653
31	ENST00000376874	ENSG00000188026	270	-0.03	0.93171
31	ENST00000376980	ENSG00000136770	768	-0.41	0.00081
31	ENST00000377244	ENSG00000110025	23	-0.14	0.89585
31	ENST00000377298	ENSG00000171603	11940	-0.25	7.75E-05
31	ENST00000377495	ENSG00000148483	4	-0.29	NA
31	ENST00000377560	ENSG00000173064	3156	-0.34	8.84E-08
31	ENST00000377810	ENSG00000072518	2064	-0.16	0.04314
31	ENST00000377990	ENSG00000011523	393	-0.07	0.73042
31	ENST00000378623	ENSG00000134569	665	-0.30	0.01766
31	ENST00000379028	ENSG00000091129	490	-0.80	5.61E-18
31	ENST00000379113	ENSG00000104432	22	0.80	0.24001
31	ENST00000379160	ENSG00000132646	3683	-0.12	0.11671
31	ENST00000379980	ENSG00000133026	2225	0.03	0.83741
31	ENST00000380127	ENSG00000057608	5732	-0.06	0.47572
31	ENST00000380317	ENSG00000099385	760	0.16	0.28180
31	ENST00000380502	ENSG00000147874	3017	0.01	0.93391
31	ENST00000381061	ENSG00000130638	5387	-0.16	0.01325

31	ENST00000381095	ENSG00000146938	14	-1.98	0.01308
31	ENST00000381309	ENSG00000107077	1031	0.08	0.55998
31	ENST00000381624	ENSG00000174898	3	0.44	NA
31	ENST00000381782	ENSG00000179299	20	-0.56	0.53217
31	ENST00000381869	ENSG00000129422	1689	0.12	0.16234
31	ENST00000382303	ENSG00000107104	1172	-0.70	9.50E-17
31	ENST00000383463	ENSG00000183624	1008	0.05	0.68915
31	ENST00000389131	ENSG00000134013	1735	-0.04	0.74009
31	ENST00000389253	ENSG00000079805	4556	-0.34	1.19E-11
31	ENST00000389394	ENSG00000115423	4	0.34	NA
31	ENST00000389420	ENSG00000173157	4	0.05	NA
31	ENST00000389484	ENSG00000168702	177	-1.05	3.79E-08
31	ENST00000391993	ENSG00000204104	589	-0.05	0.83946
31	ENST00000392403	ENSG00000116539	4968	-0.14	0.09413
31	ENST00000392432	ENSG00000145014	508	-0.24	0.16690
31	ENST00000392476	ENSG00000129657	2203	-0.20	0.00161
31	ENST00000392533	ENSG00000135090	349	-0.36	0.01794
31	ENST00000392717	ENSG00000082438	413	-0.25	0.17335
31	ENST00000392837	ENSG00000111785	546	-0.04	0.85770
31	ENST00000393094	ENSG00000166266	843	-0.13	0.24120
31	ENST00000393359	ENSG00000135966	1502	0.00	0.99972
31	ENST00000393845	ENSG00000206530	502	-0.31	0.23085
31	ENST00000394305	ENSG00000169599	284	-0.02	0.95145
31	ENST00000394518	ENSG00000170776	6268	-0.04	0.67284
31	ENST00000394650	ENSG00000005059	351	0.07	0.79702
31	ENST00000394752	ENSG00000163935	772	-0.08	0.57664
31	ENST00000394835	ENSG00000176927	7	0.39	NA
31	ENST00000394968	ENSG00000140015	933	-0.43	2.39E-05
31	ENST00000394970	ENSG00000164087	735	-0.03	0.87661
31	ENST00000395146	ENSG00000172493	3754	0.02	0.90248
31	ENST00000395324	ENSG00000111424	605	-0.21	0.09013
31	ENST00000395471	ENSG00000146733	816	-0.01	0.95091
31	ENST00000395686	ENSG00000197930	2406	-0.14	0.17537
31	ENST00000396113	ENSG00000156170	386	0.05	0.84239
31	ENST00000396252	ENSG00000104320	1455	-0.26	0.01075
31	ENST00000396356	ENSG00000110693	31	-0.75	0.15385
31	ENST00000399231	ENSG00000197535	1794	0.01	0.95347
31	ENST00000399408	ENSG00000103222	9470	-0.45	1.03E-25
31	ENST00000400191	ENSG00000133216	114	-0.52	0.03243
31	ENST00000400384	ENSG00000141639	2260	-0.25	0.00012
31	ENST00000400546	ENSG00000154654	115	0.07	0.89526
31	ENST00000400585	ENSG00000099954	4	-2.08	NA
31	ENST00000401548	ENSG00000167077	604	-0.40	0.00240
31	ENST00000401604	ENSG00000185532	7	-0.76	NA
31	ENST00000402655	ENSG00000186153	70	-0.06	0.91673
31	ENST00000403372	ENSG00000127863	1095	-0.58	6.32E-14
31	ENST00000405015	ENSG00000115504	1052	-1.09	5.41E-29
31	ENST00000405894	ENSG00000170264	292	-0.75	2.75E-06

31	ENST00000406053	ENSG00000115239	607	0.03	0.89831
31	ENST00000406486	ENSG00000197077	4006	-0.04	0.63806
31	ENST00000406697	ENSG00000182326	774	-0.15	0.22505
31	ENST00000407008	ENSG00000087095	639	-0.30	0.00653
31	ENST00000407967	ENSG00000135119	937	-0.64	3.55E-19
31	ENST00000409078	ENSG00000074054	2879	-0.23	7.14E-05
31	ENST00000409245	ENSG00000068724	2545	-0.20	0.00249
31	ENST00000409308	ENSG00000102547	99	-0.19	0.63937
31	ENST00000409402	ENSG00000134278	1316	-0.20	0.02068
31	ENST00000409418	ENSG00000137478	627	-0.30	0.00558
31	ENST00000409978	ENSG00000214694	108	0.18	0.62815
31	ENST00000411696	ENSG00000115568	2425	-0.41	5.57E-11
31	ENST00000413366	ENSG00000154229	4321	-0.75	2.51E-25
31	ENST00000413371	ENSG00000243943	377	-0.06	0.81117
31	ENST00000413379	ENSG00000142230	4837	-0.01	0.91647
31	ENST00000416849	ENSG00000059377	45	0.34	0.54365
31	ENST00000417496	ENSG00000048052	130	-0.84	0.00012
31	ENST00000417816	ENSG00000078114	574	-0.62	3.25E-07
31	ENST00000421085	ENSG00000073464	349	0.01	0.96600
31	ENST00000421515	ENSG00000197885	122	0.48	0.02669
31	ENST00000424445	ENSG00000185250	11	0.68	NA
31	ENST00000424789	ENSG00000170921	6768	-0.35	8.36E-12
31	ENST00000424848	ENSG00000105810	8735	0.02	0.87892
31	ENST00000425263	ENSG00000138078	1854	-0.15	0.18123
31	ENST00000428897	ENSG00000152463	2	0.26	NA
31	ENST00000430095	ENSG00000002016	430	0.04	0.85322
31	ENST00000431054	ENSG00000072682	2594	0.06	0.53433
31	ENST00000432334	ENSG00000132669	707	-0.19	0.22454
31	ENST00000432747	ENSG00000005020	430	-0.36	0.01035
31	ENST00000432829	ENSG00000107099	204	-0.45	0.01236
31	ENST00000433197	ENSG00000178607	472	0.23	0.14311
31	ENST00000433360	ENSG00000158528	649	-0.41	3.74E-05
31	ENST00000435213	ENSG00000136895	232	-0.05	0.89868
31	ENST00000435224	ENSG00000166016	829	-0.25	0.04103
31	ENST00000435336	ENSG00000106266	1218	0.08	0.54752
31	ENST00000435510	ENSG00000148572	416	-0.10	0.59411
31	ENST00000436342	ENSG00000158161	1439	-0.22	0.00608
31	ENST00000436575	ENSG00000164535	1120	0.03	0.85013
31	ENST00000436636	ENSG00000154310	230	0.14	0.65076
31	ENST00000437048	ENSG00000141252	2533	-0.21	0.00150
31	ENST00000437219	ENSG00000167716	2655	-0.06	0.67560
31	ENST00000437412	ENSG00000118495	3622	-0.28	0.00025
31	ENST00000437600	ENSG00000257923	11499	-0.72	7.29E-57
31	ENST00000438321	ENSG00000163808	1491	0.15	0.09102
31	ENST00000438447	ENSG00000133401	1112	-0.74	7.57E-22
31	ENST00000440460	ENSG00000150764	820	-0.54	3.74E-08
31	ENST00000441049	ENSG00000188010	95	0.42	0.23357
31	ENST00000441800	ENSG00000151687	104	-0.06	0.90457

31	ENST00000443029	ENSG00000206562	443	0.10	0.58534
31	ENST00000443967	ENSG00000170085	328	-0.29	0.10653
31	ENST00000446165	ENSG00000173875	865	0.14	0.14795
31	ENST00000446425	ENSG00000173960	557	-0.25	0.04966
31	ENST00000447388	ENSG00000066136	1225	-0.23	0.01667
31	ENST00000447944	ENSG00000138035	1434	-0.27	0.00048
31	ENST00000448498	ENSG00000144671	8	-0.09	NA
31	ENST00000448593	ENSG00000131351	495	0.02	0.92859
31	ENST00000449759	ENSG00000103485	991	-0.30	0.01676
31	ENST00000450761	ENSG00000134986	1303	0.18	0.05462
31	ENST00000452449	ENSG00000065060	1914	-0.24	0.00044
31	ENST00000455432	ENSG00000211460	2247	0.04	0.71191
31	ENST00000458578	ENSG00000185651	2051	-0.10	0.35861
31	ENST00000459638	ENSG00000114541	16	-0.64	0.50848
31	ENST00000460259	ENSG00000160194	1242	0.14	0.14056
31	ENST00000460723	ENSG00000241878	719	-0.36	0.00033
31	ENST00000460843	ENSG00000181090	4809	-0.11	0.05545
31	ENST00000463469	ENSG00000204634	896	-0.06	0.67974
31	ENST00000463747	ENSG00000136240	6035	-0.40	6.62E-15
31	ENST00000464497	ENSG00000122705	4810	0.03	0.79886
31	ENST00000464747	ENSG00000116044	3608	-0.17	0.00964
31	ENST00000465039	ENSG00000144791	2644	-0.09	0.29448
31	ENST00000465754	ENSG00000137101	3	-1.73	NA
31	ENST00000472647	ENSG00000143156	484	-0.33	0.00958
31	ENST00000475045	ENSG00000159216	1455	-0.02	0.90175
31	ENST00000476620	ENSG00000086289	653	-0.08	0.67990
31	ENST00000487694	ENSG00000185008	377	-0.38	0.00097
31	ENST00000489665	ENSG00000174945	41	-0.81	0.09467
31	ENST00000491853	ENSG00000143294	2705	-0.04	0.75621
31	ENST00000492590	ENSG00000189283	34	-0.84	0.15339
31	ENST00000492622	ENSG00000102531	7691	-0.47	1.44E-20
31	ENST00000493964	ENSG00000142609	5	-0.05	NA
31	ENST00000495893	ENSG00000173889	2902	-0.12	0.13411
31	ENST00000497019	ENSG00000198400	5	-1.69	NA
31	ENST00000498165	ENSG00000163590	438	-0.72	4.04E-12
31	ENST00000502463	ENSG00000249375	11	1.15	NA
31	ENST00000503008	ENSG00000145416	63	-0.41	0.43565
31	ENST00000504652	ENSG00000145041	2190	-0.28	8.29E-07
31	ENST00000508235	ENSG00000063978	2519	-0.15	0.06879
31	ENST00000508803	ENSG00000109685	7474	-0.31	8.19E-16
31	ENST00000509479	ENSG00000196782	807	-0.65	6.66E-15
31	ENST00000510118	ENSG00000071242	2597	-0.28	2.94E-06
31	ENST00000512091	ENSG00000150471	15	-0.97	0.20363
31	ENST00000512825	ENSG00000132517	11	-0.97	NA
31	ENST00000513034	ENSG00000173320	1778	-0.19	0.08625
31	ENST00000518659	ENSG00000145934	352	-0.02	0.95056
31	ENST00000518721	ENSG00000153317	1792	-0.58	5.51E-20
31	ENST00000519442	ENSG00000039600	2	-1.80	NA

31	ENST00000519973	ENSG00000147454	2196	-0.14	0.12652
31	ENST00000520369	ENSG00000169122	55	-0.41	0.32493
31	ENST00000521548	ENSG00000214050	26	-0.10	0.91109
31	ENST00000521913	ENSG00000092964	3446	-0.36	1.37E-09
31	ENST00000522495	ENSG00000131203	82	-1.55	7.78E-11
31	ENST00000523601	ENSG00000104375	312	-0.23	0.32114
31	ENST00000524189	ENSG00000197892	511	-0.28	0.02852
31	ENST00000524249	ENSG00000250565	108	-0.33	0.30936
31	ENST00000524981	ENSG00000188596	19	0.62	0.38418
31	ENST00000525350	ENSG00000236287	1222	0.06	0.64870
31	ENST00000525908	ENSG00000173715	197	-0.75	8.79E-05
31	ENST00000527733	ENSG00000170242	2890	0.09	0.26759
31	ENST00000529230	ENSG00000175216	8845	0.03	0.71233
31	ENST00000530478	ENSG00000178685	514	0.30	0.08494
31	ENST00000530562	ENSG00000166435	442	-0.59	2.67E-07
31	ENST00000532462	ENSG00000100504	3059	-0.03	0.77136
31	ENST00000532692	ENSG00000064199	43	0.10	0.88513
31	ENST00000533559	ENSG00000168522	681	0.06	0.71243
31	ENST00000534127	ENSG00000166444	1435	-0.24	0.02084
31	ENST00000534300	ENSG00000110497	1618	-0.18	0.01477
31	ENST00000534396	ENSG00000137509	2355	0.12	0.08359
31	ENST00000535621	ENSG00000179889	4465	0.03	0.69909
31	ENST00000536378	ENSG00000076242	2010	-0.16	0.02291
31	ENST00000536681	ENSG00000064763	290	-0.21	0.27815
31	ENST00000537713	ENSG00000138029	1511	-0.34	1.06E-07
31	ENST00000538010	ENSG00000110987	328	-0.14	0.42799
31	ENST00000538029	ENSG00000139187	18	-1.35	0.08582
31	ENST00000539542	ENSG00000172869	2857	-0.44	3.51E-10
31	ENST00000539888	ENSG00000057252	2614	-0.25	8.28E-05
31	ENST00000539896	ENSG00000169403	4	-4.33	NA
31	ENST00000540010	ENSG00000056558	41	-0.21	0.75906
31	ENST00000540394	ENSG00000159403	513	-0.24	0.09062
31	ENST00000541595	ENSG00000270011	6	-1.48	NA
31	ENST00000541687	ENSG00000005436	487	-0.02	0.95761
31	ENST00000542267	ENSG00000145743	521	-0.55	4.97E-07
31	ENST00000543915	ENSG00000077238	862	-0.29	0.00553
31	ENST00000544246	ENSG00000184226	12	0.95	0.33211
31	ENST00000544838	ENSG00000139437	453	-0.08	0.72953
31	ENST00000545260	ENSG00000148498	874	-0.72	3.73E-21
31	ENST00000545383	ENSG00000073146	4	0.40	NA
31	ENST00000546373	ENSG00000135678	1104	-0.21	0.04313
31	ENST00000548559	ENSG00000004455	6406	-0.02	0.76836
31	ENST00000549441	ENSG00000178401	196	-1.03	1.04E-09
31	ENST00000549982	ENSG00000198015	1767	-0.19	0.01645
31	ENST00000550164	ENSG00000139613	3630	-0.22	0.00270
31	ENST00000551935	ENSG00000129521	655	-0.16	0.28227
31	ENST00000552810	ENSG00000198707	608	-0.06	0.82075
31	ENST00000553824	ENSG00000129473	644	0.20	0.18340

31	ENST00000554335	ENSG00000020577	535	-0.22	0.04795
31	ENST00000554546	ENSG00000133961	736	-0.20	0.09107
31	ENST00000554922	ENSG00000165521	71	-0.23	0.58323
31	ENST00000557217	ENSG00000092020	312	-0.42	0.00112
31	ENST00000557431	ENSG00000119705	453	0.42	0.01146
31	ENST00000557842	ENSG00000140543	67	0.46	0.30412
31	ENST00000558447	ENSG00000104067	6482	0.04	0.58435
31	ENST00000558518	ENSG00000130164	6975	-0.34	2.27E-08
31	ENST00000561302	ENSG00000169758	11	0.00	NA
31	ENST00000561490	ENSG00000047346	1034	0.05	0.76111
31	ENST00000563110	ENSG00000284906	44	0.23	0.73703
31	ENST00000563298	ENSG00000138621	520	-0.18	0.22264
31	ENST00000565380	ENSG00000103994	7479	-0.01	0.91574
31	ENST00000566228	ENSG00000048471	827	-0.54	3.85E-08
31	ENST00000567134	ENSG00000169371	391	0.00	0.98986
31	ENST00000571227	ENSG00000262246	80	0.13	0.79910
31	ENST00000571589	ENSG00000186260	2155	-0.33	4.64E-08
31	ENST00000573882	ENSG00000141527	110	0.19	0.67209
31	ENST00000575069	ENSG00000185624	36499	-0.13	0.02030
31	ENST00000580248	ENSG00000143183	2372	-0.10	0.26617
31	ENST00000581444	ENSG00000134490	361	-0.30	0.07920
31	ENST00000581486	ENSG00000266412	8192	0.05	0.61168
31	ENST00000582783	ENSG00000160392	686	0.08	0.61268
31	ENST00000582857	ENSG00000108641	528	-0.12	0.51572
31	ENST00000584601	ENSG00000141736	3574	0.02	0.88464
31	ENST00000584709	ENSG00000141293	2	0.72	NA
31	ENST00000585493	ENSG00000198551	268	0.16	0.58536
31	ENST00000586255	ENSG00000188321	215	-0.45	0.04093
31	ENST00000587340	ENSG00000131848	256	-0.35	0.05349
31	ENST00000590333	ENSG00000160469	186	-0.27	0.26441
31	ENST00000591680	ENSG00000186566	2114	-0.14	0.07427
31	ENST00000592854	ENSG00000214212	3	0.60	NA
31	ENST00000595618	ENSG00000099331	3683	-0.64	1.30E-33
31	ENST00000599117	ENSG00000196235	4709	-0.19	0.00274
31	ENST00000599538	ENSG00000105053	578	-0.01	0.97597
31	ENST00000599564	ENSG00000089351	2286	-0.31	5.75E-06
31	ENST00000601545	ENSG00000077312	1988	-0.03	0.81378
31	ENST00000601968	ENSG00000183207	4699	-0.22	0.00549
31	ENST00000602122	ENSG00000105699	218	-0.23	0.32145
31	ENST00000602142	ENSG00000141968	46	-0.18	0.77135
31	ENST00000602762	ENSG00000170035	1226	0.02	0.89030
31	ENST00000604030	ENSG00000109686	1970	-0.87	8.64E-48
31	ENST00000604900	ENSG00000183283	3600	-0.09	0.46610
31	ENST00000606162	ENSG00000122378	820	-0.24	0.04860
31	ENST00000610355	ENSG00000145244	9	-0.76	NA
31	ENST00000610897	ENSG00000078369	8813	-0.24	1.90E-05
31	ENST00000611255	ENSG00000148655	65	-1.90	2.08E-11
31	ENST00000611266	ENSG00000091039	2778	-0.13	0.27458

31	ENST00000613167	ENSG00000102934	135	-0.20	0.57687
31	ENST00000614113	ENSG00000105974	1098	0.49	1.57E-06
31	ENST00000615198	ENSG00000214575	6	0.22	NA
31	ENST00000615438	ENSG00000135549	29	-0.33	0.60499
31	ENST00000615519	ENSG00000154511	192	-0.37	0.09013
31	ENST00000616973	ENSG00000025434	601	0.15	0.33638
31	ENST00000617695	ENSG00000196569	17	-0.24	0.84236
31	ENST00000617998	ENSG00000181222	15299	-0.06	0.41699
31	ENST00000622683	ENSG00000275832	6365	0.23	0.00325
31	ENST00000622785	ENSG00000121211	145	0.04	0.92859
31	ENST00000622833	ENSG00000157045	375	-0.42	0.00295
31	ENST00000622999	ENSG00000124226	1699	-0.38	3.92E-07
31	ENST00000625761	ENSG00000104856	200	-0.36	0.20799
31	ENST00000625837	ENSG00000215301	12412	0.07	0.17712
31	ENST00000627851	ENSG00000197798	275	-0.25	0.17199
31	ENST00000628545	ENSG00000174332	250	-0.79	3.25E-07
31	ENST00000630942	ENSG00000158560	26	0.22	0.77136
31	ENST00000634891	ENSG00000198838	2	2.81	NA
31	ENST00000636395	ENSG00000129646	231	-0.31	0.14766
31	ENST00000636863	ENSG00000113638	1280	0.09	0.53262
31	ENST00000637125	ENSG00000153179	1074	-0.08	0.62050
31	ENST00000637919	ENSG00000182621	288	-0.59	0.00123
31	ENST00000638048	ENSG00000138670	171	0.12	0.70654
31	ENST00000638991	ENSG00000156113	3	-0.07	NA
31	ENST00000640961	ENSG00000109911	634	-0.16	0.41113
31	ENST00000641815	ENSG00000166900	721	-0.25	0.03261
31	ENST00000643064	ENSG00000139687	3157	-0.35	6.64E-06
31	ENST00000644347	ENSG00000147044	1355	-0.14	0.16148
31	ENST00000644362	ENSG00000102144	21399	-0.32	3.14E-11
31	ENST00000644980	ENSG00000225210	19	-0.50	0.56603
31	ENST00000645527	ENSG00000137710	7754	-0.31	7.70E-08
31	ENST00000647893	ENSG00000197594	350	-0.64	3.11E-06
31	ENST00000648911	ENSG00000149557	9	-0.01	NA
31	ENST00000649869	ENSG00000175643	393	0.19	0.19826
31	ENST00000650085	ENSG00000033011	1851	-0.04	0.77965
31	ENST00000650688	ENSG00000140941	2342	-0.20	0.01149
31	ENST00000651335	ENSG00000157168	126	-0.53	0.03436
31	ENST00000651934	ENSG00000170581	1331	-0.48	9.74E-10
31	ENST00000652176	ENSG00000151746	1372	-0.65	9.34E-18
31	ENST00000652315	ENSG00000088387	1790	-0.21	0.01022
31	ENST00000652691	ENSG00000197471	5	-1.01	NA
31	ENST00000654597	ENSG00000160808	4	-0.27	NA
31	ENST00000663148	ENSG00000075711	2558	-0.25	0.00446
31	ENST00000664852	ENSG00000078747	2592	-0.29	4.74E-05
31	ENST00000664864	ENSG00000141837	10	-0.43	NA
31	ENST00000672724	ENSG00000130939	3864	-0.31	2.93E-06

Supplementary Table 6 lists all genes that were targeted by ASO 31 and RNA-seq data was available. The transcript ID is given together with the ENSEMBL gene ID. Mean expression, log2 fold change and the adjusted p-value (padj) were calculated using DESeq2. *IDO1* (ENSG00000131203) is marked in bold.

Supplementary Table 7

ASO	ENSEMBL_Transcript_ID	ENSEMBL_Gene_ID	mean_expression	log ₂ (FoldChange)	padj
32	ENST00000170564	ENSG00000076650	501	0.04	0.81014
32	ENST00000181796	ENSG00000065809	4821	0.07	0.44443
32	ENST00000217246	ENSG00000172264	46	-0.51	0.33471
32	ENST00000220514	ENSG00000104147	593	-0.08	0.63617
32	ENST00000221957	ENSG00000105355	1850	-0.02	0.90164
32	ENST00000225576	ENSG00000175106	200	-0.27	0.21567
32	ENST00000228347	ENSG00000013503	682	-0.03	0.87587
32	ENST00000228515	ENSG00000110925	581	0.23	0.13463
32	ENST00000229243	ENSG00000111644	16	-0.40	0.74175
32	ENST00000230053	ENSG00000112309	5	0.50	NA
32	ENST00000231498	ENSG00000113569	13262	-0.21	0.00027
32	ENST00000232375	ENSG00000114268	366	-0.10	0.74747
32	ENST00000237177	ENSG00000118412	2123	-0.09	0.48134
32	ENST00000238789	ENSG00000119778	793	0.09	0.55007
32	ENST00000242505	ENSG00000138286	307	-0.49	0.00150
32	ENST00000242810	ENSG00000114796	1180	-0.27	0.01840
32	ENST00000244043	ENSG00000124212	39	-1.22	0.01093
32	ENST00000244137	ENSG00000124299	2247	-0.34	0.00014
32	ENST00000245663	ENSG00000130584	86	-1.16	2.43E-06
32	ENST00000247461	ENSG00000127022	39606	-0.31	1.21E-09
32	ENST00000249700	ENSG00000128872	82	0.75	0.01476
32	ENST00000251241	ENSG00000108406	2259	-0.51	3.68E-10
32	ENST00000251507	ENSG00000152061	474	-0.69	4.23E-07
32	ENST00000252108	ENSG00000110344	2589	-0.21	0.00420
32	ENST00000253861	ENSG00000131558	2192	-1.55	#####
32	ENST00000254260	ENSG00000131941	571	-0.28	0.02529
32	ENST00000254442	ENSG00000091157	846	-0.47	2.05E-07
32	ENST00000254480	ENSG00000173473	5710	-0.47	1.36E-22
32	ENST00000256190	ENSG00000133812	1340	-1.20	1.73E-37
32	ENST00000256637	ENSG00000134243	1994	-0.36	1.03E-05
32	ENST00000258145	ENSG00000135677	6420	-0.59	9.85E-32
32	ENST00000258390	ENSG00000135905	829	-0.19	0.19470
32	ENST00000260746	ENSG00000138175	415	-0.59	8.63E-06
32	ENST00000261038	ENSG00000138463	610	-0.42	3.57E-05
32	ENST00000261405	ENSG00000110799	42	0.05	0.95408
32	ENST00000261637	ENSG00000120800	2905	-0.51	7.09E-14
32	ENST00000261667	ENSG00000102753	1978	-0.27	0.00283
32	ENST00000262077	ENSG00000124789	4066	-0.09	0.20113
32	ENST00000262210	ENSG00000104218	589	0.08	0.72521
32	ENST00000262304	ENSG00000008710	7485	0.13	0.26041
32	ENST00000262352	ENSG00000106688	753	0.17	0.18442
32	ENST00000262539	ENSG00000070159	1081	-0.13	0.21827
32	ENST00000262710	ENSG00000100813	5116	-0.03	0.64674
32	ENST00000262735	ENSG00000186951	960	-0.55	1.81E-10
32	ENST00000262932	ENSG00000166997	354	-0.15	0.46935
32	ENST00000263253	ENSG00000100393	5869	-0.02	0.86008

32	ENST00000263630	ENSG00000115355	2747	-0.25	0.00931
32	ENST00000264498	ENSG00000138685	4677	0.39	0.00010
32	ENST00000264658	ENSG00000108306	1561	-0.66	5.72E-14
32	ENST00000265174	ENSG00000138801	1446	-0.13	0.28618
32	ENST00000265986	ENSG00000119912	2138	-0.27	0.00232
32	ENST00000267116	ENSG00000139645	5107	-0.20	0.00327
32	ENST00000268251	ENSG00000183044	5	-0.67	NA
32	ENST00000269391	ENSG00000141576	92	-1.24	8.38E-05
32	ENST00000271915	ENSG00000143603	4	-0.33	NA
32	ENST00000274695	ENSG00000145996	584	-0.85	6.56E-18
32	ENST00000275820	ENSG00000146909	1106	-0.04	0.79613
32	ENST00000276141	ENSG00000102362	301	-0.44	0.01851
32	ENST00000276297	ENSG00000164741	113	-0.09	0.80691
32	ENST00000280557	ENSG00000139726	1027	-0.39	2.40E-06
32	ENST00000280871	ENSG00000151229	1887	-1.12	5.11E-38
32	ENST00000283365	ENSG00000134769	84	0.24	0.56679
32	ENST00000286234	ENSG00000155792	81	0.20	0.59054
32	ENST00000286827	ENSG00000156299	33	-0.98	0.15523
32	ENST00000290354	ENSG00000159231	101	0.05	0.90851
32	ENST00000293350	ENSG00000161618	797	-0.16	0.36863
32	ENST00000294543	ENSG00000162542	613	-0.32	0.01080
32	ENST00000294623	ENSG00000162613	4926	0.07	0.38977
32	ENST00000294732	ENSG00000066279	10094	-0.04	0.74004
32	ENST00000295872	ENSG00000163611	146	0.28	0.45881
32	ENST00000295966	ENSG00000163689	57	0.17	0.81806
32	ENST00000296292	ENSG00000163933	721	-0.09	0.57859
32	ENST00000296468	ENSG00000164073	293	0.08	0.79995
32	ENST00000296591	ENSG00000164176	5864	-0.70	5.65E-25
32	ENST00000297267	ENSG00000164694	308	-1.67	3.45E-26
32	ENST00000297323	ENSG00000164742	27	-0.85	0.21253
32	ENST00000297875	ENSG00000147041	39	-1.46	0.00196
32	ENST00000299045	ENSG00000166046	263	0.38	0.06186
32	ENST00000299345	ENSG00000150394	6	-1.81	NA
32	ENST00000299687	ENSG00000215421	1063	-0.03	0.85606
32	ENST00000299957	ENSG00000166734	3312	-0.74	5.57E-38
32	ENST00000302097	ENSG00000169548	4	-0.34	NA
32	ENST00000302277	ENSG00000170396	50	-0.17	0.75439
32	ENST00000302692	ENSG00000171612	391	-0.45	0.00146
32	ENST00000303617	ENSG00000148090	328	-0.02	0.95348
32	ENST00000304514	ENSG00000153165	20	0.52	0.50527
32	ENST00000305135	ENSG00000163872	2277	-0.57	4.56E-16
32	ENST00000305513	ENSG00000186532	998	0.07	0.68883
32	ENST00000305997	ENSG00000143797	1015	-0.24	0.03995
32	ENST00000307138	ENSG00000174373	1775	-0.23	0.02594
32	ENST00000310078	ENSG00000173744	3148	-0.19	0.01302
32	ENST00000311160	ENSG00000136205	3132	0.00	0.98233
32	ENST00000312719	ENSG00000249853	20	-0.55	0.48841
32	ENST00000313565	ENSG00000102984	105	-0.02	0.95903

32	ENST00000315576	ENSG00000127507	540	-0.01	0.96194
32	ENST00000317233	ENSG00000144218	36	0.29	0.67242
32	ENST00000317907	ENSG00000018699	423	-0.28	0.08660
32	ENST00000320152	ENSG00000099256	127	-0.87	0.00289
32	ENST00000321196	ENSG00000179104	323	-0.93	3.71E-09
32	ENST00000322434	ENSG00000178338	360	0.03	0.89372
32	ENST00000323116	ENSG00000058063	1517	-0.20	0.07506
32	ENST00000324109	ENSG00000107554	5899	0.01	0.94580
32	ENST00000328705	ENSG00000180881	52	-0.15	0.78662
32	ENST00000330368	ENSG00000184378	79	0.10	0.86037
32	ENST00000332175	ENSG00000173482	2197	-0.40	8.14E-09
32	ENST00000333027	ENSG00000100330	1296	-0.31	0.00056
32	ENST00000334660	ENSG00000187446	4753	-0.26	1.42E-05
32	ENST00000334746	ENSG00000011114	1703	-0.19	0.03772
32	ENST00000335681	ENSG00000170485	1701	0.03	0.82620
32	ENST00000335693	ENSG00000175600	22	-1.40	0.04010
32	ENST00000336714	ENSG00000101310	1529	-0.14	0.17674
32	ENST00000337006	ENSG00000135049	1119	-0.74	3.69E-15
32	ENST00000337351	ENSG00000007392	1138	-0.06	0.67624
32	ENST00000338034	ENSG00000006744	3978	-0.01	0.90882
32	ENST00000338448	ENSG00000099864	1455	-0.64	1.31E-08
32	ENST00000338797	ENSG00000105662	860	-0.30	0.01796
32	ENST00000339824	ENSG00000171435	16	-1.05	0.25248
32	ENST00000339861	ENSG00000187764	447	-0.32	0.03406
32	ENST00000340951	ENSG00000187609	226	-1.04	1.42E-09
32	ENST00000341114	ENSG00000104951	23	0.01	0.99472
32	ENST00000342771	ENSG00000158321	542	-0.89	2.78E-12
32	ENST00000345044	ENSG00000133460	126	0.09	0.80691
32	ENST00000345254	ENSG00000176986	4290	-0.09	0.24525
32	ENST00000345496	ENSG00000184787	2091	-1.03	3.51E-47
32	ENST00000346991	ENSG00000137812	4083	-0.14	0.15799
32	ENST00000347136	ENSG00000148358	5816	-0.38	8.05E-17
32	ENST00000347140	ENSG00000179912	353	-0.93	1.67E-10
32	ENST00000351429	ENSG00000156239	229	-0.05	0.87021
32	ENST00000353332	ENSG00000163719	1253	-0.12	0.30143
32	ENST00000355114	ENSG00000196357	90	-0.11	0.81556
32	ENST00000355123	ENSG00000198399	1148	-0.11	0.42171
32	ENST00000355202	ENSG00000198182	170	0.28	0.36988
32	ENST00000355264	ENSG00000185009	1721	-0.18	0.02582
32	ENST00000355327	ENSG00000187720	1414	-1.13	2.38E-53
32	ENST00000355621	ENSG00000186591	3147	-0.58	9.61E-24
32	ENST00000356000	ENSG00000133318	6615	-0.50	9.85E-17
32	ENST00000356146	ENSG00000100490	198	-0.13	0.65352
32	ENST00000356865	ENSG00000206190	7	-1.33	NA
32	ENST00000357115	ENSG00000198589	3383	-0.74	9.41E-33
32	ENST00000357505	ENSG00000244754	1824	0.00	0.98866
32	ENST00000358015	ENSG00000119318	5854	-0.14	0.04201
32	ENST00000358716	ENSG00000198604	1875	-0.01	0.96922

32	ENST00000358951	ENSG00000118873	2141	0.11	0.24557
32	ENST00000359513	ENSG00000175224	2905	-0.10	0.25302
32	ENST00000360448	ENSG00000164674	5	-0.75	NA
32	ENST00000360802	ENSG00000137073	3025	-0.02	0.87010
32	ENST00000361226	ENSG00000198853	2542	-0.29	1.49E-05
32	ENST00000361507	ENSG00000033327	557	-0.28	0.03504
32	ENST00000361658	ENSG00000083290	399	-0.17	0.29168
32	ENST00000361719	ENSG00000152822	24	0.76	0.28242
32	ENST00000366535	ENSG00000035687	1113	-0.09	0.47813
32	ENST00000366574	ENSG00000198626	94	0.32	0.41791
32	ENST00000366641	ENSG00000135766	604	-0.11	0.61703
32	ENST00000366910	ENSG00000186205	1257	-0.14	0.13777
32	ENST00000366922	ENSG00000067704	3550	-0.18	0.03334
32	ENST00000366974	ENSG00000203705	294	-0.03	0.92127
32	ENST00000367186	ENSG00000213079	1806	-0.18	0.04659
32	ENST00000367682	ENSG00000203734	1	1.40	NA
32	ENST00000367845	ENSG00000118514	9	1.42	NA
32	ENST00000367996	ENSG00000158859	18	0.17	0.86914
32	ENST00000368301	ENSG00000160789	30918	0.27	0.00042
32	ENST00000368972	ENSG00000118690	58	-0.02	0.97217
32	ENST00000369037	ENSG00000164494	434	-1.03	3.40E-20
32	ENST00000369983	ENSG00000107862	4028	-0.54	3.17E-26
32	ENST00000370096	ENSG00000060718	9	-0.44	NA
32	ENST00000371153	ENSG00000132854	43	-2.11	5.75E-07
32	ENST00000371839	ENSG00000186094	7	-1.75	NA
32	ENST00000372907	ENSG00000102387	5	-0.29	NA
32	ENST00000373181	ENSG00000124615	40	0.32	0.63525
32	ENST00000373652	ENSG00000153832	62	-0.59	0.10632
32	ENST00000373830	ENSG00000180098	524	-0.05	0.81506
32	ENST00000374431	ENSG00000198121	67	-0.73	0.13723
32	ENST00000374466	ENSG00000169826	576	-0.20	0.21375
32	ENST00000374724	ENSG00000070214	2778	-0.05	0.65267
32	ENST00000374751	ENSG00000108094	1435	-0.07	0.63910
32	ENST00000375715	ENSG00000169071	2097	-0.71	7.25E-22
32	ENST00000376718	ENSG00000106772	212	-1.68	1.45E-22
32	ENST00000377067	ENSG00000179399	841	-1.05	6.74E-19
32	ENST00000377182	ENSG00000165072	1543	-0.04	0.73192
32	ENST00000377669	ENSG00000118922	1073	-0.49	5.43E-07
32	ENST00000377966	ENSG00000122707	435	-0.52	5.19E-06
32	ENST00000378494	ENSG00000143919	173	-0.64	0.00646
32	ENST00000378628	ENSG00000130962	344	0.07	0.78291
32	ENST00000378814	ENSG00000137177	3883	-0.71	1.20E-44
32	ENST00000378839	ENSG00000151468	282	-0.20	0.39318
32	ENST00000379980	ENSG00000133026	2225	-0.66	8.24E-20
32	ENST00000379992	ENSG00000174482	10	-4.27	NA
32	ENST00000380094	ENSG00000134461	173	0.32	0.22171
32	ENST00000381470	ENSG00000158856	257	0.13	0.65196
32	ENST00000381624	ENSG00000174898	3	-0.36	NA

32	ENST00000381750	ENSG00000120158	1073	-0.05	0.70526
32	ENST00000381774	ENSG00000103381	579	-0.16	0.29824
32	ENST00000383699	ENSG00000175161	7	-1.64	NA
32	ENST00000388752	ENSG00000112651	31	0.09	0.91384
32	ENST00000389253	ENSG00000079805	4556	-0.47	5.37E-18
32	ENST00000389484	ENSG00000168702	177	-2.36	4.85E-27
32	ENST00000389672	ENSG00000080224	44	-0.35	0.60556
32	ENST00000389915	ENSG00000152102	4029	-0.21	0.02009
32	ENST00000392332	ENSG00000198130	685	-0.06	0.74747
32	ENST00000392533	ENSG00000135090	349	-0.76	2.88E-07
32	ENST00000393305	ENSG00000172780	13	0.27	0.82573
32	ENST00000394123	ENSG00000145907	9991	0.02	0.82838
32	ENST00000395146	ENSG00000172493	3754	-0.29	1.88E-05
32	ENST00000395443	ENSG00000198218	2096	-0.16	0.06455
32	ENST00000395734	ENSG00000047849	8816	-0.92	6.80E-78
32	ENST00000396578	ENSG00000169031	1522	-0.75	4.91E-15
32	ENST00000396720	ENSG00000063169	594	0.16	0.37281
32	ENST00000396865	ENSG00000177058	663	-0.36	0.00931
32	ENST00000397712	ENSG00000186522	1681	-0.29	0.00119
32	ENST00000399022	ENSG00000141425	2290	-0.29	0.00209
32	ENST00000400100	ENSG00000128739	75	-0.24	0.56915
32	ENST00000400445	ENSG00000172915	439	-0.18	0.32767
32	ENST00000400585	ENSG00000099954	4	-2.67	NA
32	ENST00000401449	ENSG00000177426	1430	-0.14	0.15586
32	ENST00000402655	ENSG00000186153	70	-1.07	0.00080
32	ENST00000404816	ENSG00000049323	2520	-1.44	#####
32	ENST00000404826	ENSG00000146555	116	-2.28	2.82E-14
32	ENST00000404895	ENSG00000156687	45	0.12	0.86132
32	ENST00000405460	ENSG00000164199	7	0.34	NA
32	ENST00000405837	ENSG00000168000	107	0.06	0.90200
32	ENST00000406486	ENSG00000197077	4006	-0.48	2.76E-19
32	ENST00000406961	ENSG00000084676	511	-0.55	0.00042
32	ENST00000407464	ENSG00000169635	330	0.10	0.71271
32	ENST00000408927	ENSG00000138698	1215	-0.18	0.12431
32	ENST00000409198	ENSG00000183091	18	-1.18	0.16630
32	ENST00000409257	ENSG00000183077	750	-0.36	0.00824
32	ENST00000409261	ENSG00000176771	1017	-0.43	0.00020
32	ENST00000409418	ENSG00000137478	627	-0.73	1.90E-12
32	ENST00000412611	ENSG00000179152	520	-0.19	0.19582
32	ENST00000414689	ENSG00000149932	976	0.00	0.99942
32	ENST00000415447	ENSG00000100280	4191	-0.05	0.65906
32	ENST00000421184	ENSG00000015413	4	0.36	NA
32	ENST00000422809	ENSG00000156273	1940	0.16	0.09411
32	ENST00000425241	ENSG00000177463	2702	-0.25	0.00168
32	ENST00000425327	ENSG00000144847	2	-3.74	NA
32	ENST00000428738	ENSG00000122068	1970	-0.14	0.26282
32	ENST00000429436	ENSG00000075413	1947	-0.54	4.75E-12
32	ENST00000429845	ENSG00000163491	64	0.12	0.82659

32	ENST00000430628	ENSG00000166819	5	1.61	NA
32	ENST00000432829	ENSG00000107099	204	-1.32	1.37E-13
32	ENST00000433055	ENSG00000163923	184	-0.19	0.50267
32	ENST00000435213	ENSG00000136895	232	-0.05	0.90082
32	ENST00000436342	ENSG00000158161	1439	-0.57	8.24E-14
32	ENST00000436443	ENSG00000178568	356	-1.52	2.08E-16
32	ENST00000437932	ENSG00000163110	4040	0.17	0.00224
32	ENST00000441037	ENSG00000273540	16	2.15	0.01149
32	ENST00000441879	ENSG00000161217	1926	-0.16	0.10675
32	ENST00000443967	ENSG00000170085	328	-0.44	0.01146
32	ENST00000446231	ENSG00000157106	7849	-0.18	0.00345
32	ENST00000448392	ENSG00000103978	2331	-0.27	0.00072
32	ENST00000448413	ENSG00000144455	1190	-0.50	2.71E-10
32	ENST00000448507	ENSG00000132405	2090	-0.09	0.27441
32	ENST00000449576	ENSG00000134324	671	-0.19	0.15963
32	ENST00000450253	ENSG00000151247	1561	0.08	0.38428
32	ENST00000454872	ENSG00000177694	34	-0.87	0.11719
32	ENST00000455762	ENSG00000185049	717	0.25	0.07786
32	ENST00000457734	ENSG00000120756	262	-0.11	0.66456
32	ENST00000463477	ENSG00000153707	78	-1.42	3.37E-06
32	ENST00000465385	ENSG00000099953	83	-0.29	0.58298
32	ENST00000466493	ENSG00000204130	481	-0.04	0.84731
32	ENST00000469037	ENSG00000189180	1185	0.04	0.82269
32	ENST00000471642	ENSG00000132676	2241	-0.41	1.97E-09
32	ENST00000472413	ENSG00000183426	238	-0.19	0.44935
32	ENST00000477474	ENSG00000109689	725	-0.08	0.65642
32	ENST00000479252	ENSG00000171488	593	-0.15	0.35052
32	ENST00000485419	ENSG00000283154	207	-0.28	0.37510
32	ENST00000487159	ENSG00000182606	1819	-0.04	0.77171
32	ENST00000490107	ENSG00000185420	307	-1.59	3.64E-18
32	ENST00000498111	ENSG00000144648	2	-1.99	NA
32	ENST00000503581	ENSG00000188107	6	0.04	NA
32	ENST00000503650	ENSG00000251574	8	2.92	NA
32	ENST00000504154	ENSG00000145147	130	-0.56	0.08148
32	ENST00000504652	ENSG00000145041	2190	-0.30	1.16E-06
32	ENST00000507958	ENSG00000145526	12	-2.05	NA
32	ENST00000509176	ENSG00000184305	197	-0.22	0.39775
32	ENST00000510197	ENSG00000189157	3	1.08	NA
32	ENST00000511725	ENSG00000131508	1776	-0.41	8.97E-11
32	ENST00000512467	ENSG00000183775	93	-0.33	0.33601
32	ENST00000512729	ENSG00000179046	5	2.95	NA
32	ENST00000513000	ENSG00000109452	256	-0.52	0.00926
32	ENST00000513200	ENSG00000185261	1422	-0.37	0.00126
32	ENST00000515059	ENSG00000138696	63	-0.55	0.17867
32	ENST00000517570	ENSG00000168502	1572	-0.09	0.38435
32	ENST00000518476	ENSG00000176571	4	-0.08	NA
32	ENST00000519519	ENSG00000180694	617	-0.20	0.20731
32	ENST00000519949	ENSG00000204764	464	-0.12	0.59214

32	ENST00000522495	ENSG00000131203	82	-3.52	4.20E-29
32	ENST00000524974	ENSG00000178104	1156	0.24	0.01949
32	ENST00000525621	ENSG00000105397	2454	-0.41	2.69E-09
32	ENST00000527893	ENSG00000110696	2148	-0.01	0.92822
32	ENST00000529230	ENSG00000175216	8845	-0.08	0.25347
32	ENST00000532677	ENSG00000254986	1265	-0.03	0.86336
32	ENST00000534300	ENSG00000110497	1618	-0.76	1.23E-29
32	ENST00000535342	ENSG00000154240	132	0.16	0.64985
32	ENST00000535520	ENSG00000123106	769	-0.56	1.60E-05
32	ENST00000535977	ENSG00000197562	830	-0.08	0.60357
32	ENST00000537909	ENSG00000149654	3	-4.64	NA
32	ENST00000538255	ENSG00000136943	141	-0.21	0.50964
32	ENST00000543086	ENSG00000082805	3192	-1.12	2.20E-75
32	ENST00000544246	ENSG00000184226	12	-0.03	0.98447
32	ENST00000544604	ENSG00000183579	636	-0.81	1.70E-14
32	ENST00000544803	ENSG00000144320	964	-0.05	0.73350
32	ENST00000544915	ENSG00000029153	1089	0.01	0.95314
32	ENST00000546604	ENSG00000205323	84	0.10	0.85567
32	ENST00000547925	ENSG00000170473	468	0.06	0.78677
32	ENST00000549379	ENSG00000198673	17	0.95	0.16994
32	ENST00000552551	ENSG00000170421	51537	0.39	1.67E-11
32	ENST00000558239	ENSG00000128918	60	0.48	0.18440
32	ENST00000560386	ENSG00000134146	250	-0.33	0.10373
32	ENST00000561069	ENSG00000034053	43	-1.58	0.00042
32	ENST00000561100	ENSG00000166073	588	-0.39	0.00291
32	ENST00000562124	ENSG00000075131	596	-0.02	0.93781
32	ENST00000563298	ENSG00000138621	520	0.17	0.29103
32	ENST00000564415	ENSG00000103051	2108	-0.57	6.97E-18
32	ENST00000566621	ENSG00000186073	299	-0.02	0.94043
32	ENST00000567887	ENSG00000127603	11468	-0.58	2.10E-29
32	ENST00000568007	ENSG00000196470	541	0.14	0.42814
32	ENST00000569304	ENSG00000103769	2741	0.03	0.77118
32	ENST00000573584	ENSG00000108559	2479	-0.20	0.00482
32	ENST00000576479	ENSG00000262655	244	-2.01	2.23E-25
32	ENST00000578921	ENSG00000168461	8589	-0.18	0.00320
32	ENST00000580248	ENSG00000143183	2372	-0.14	0.09414
32	ENST00000581396	ENSG00000175662	1633	-0.35	3.57E-05
32	ENST00000585493	ENSG00000198551	268	0.34	0.16850
32	ENST00000586570	ENSG00000041353	734	0.12	0.55389
32	ENST00000589222	ENSG00000141376	406	-1.54	1.90E-23
32	ENST00000589332	ENSG00000186496	80	0.32	0.43390
32	ENST00000590332	ENSG00000197050	227	0.13	0.61262
32	ENST00000591399	ENSG00000132471	1671	0.00	0.98143
32	ENST00000592179	ENSG00000154065	93	-0.04	0.94004
32	ENST00000592854	ENSG00000214212	3	-0.23	NA
32	ENST00000593767	ENSG00000104973	1590	-0.14	0.11359
32	ENST00000605935	ENSG00000171467	1191	0.02	0.88870
32	ENST00000606320	ENSG00000051825	1967	-0.40	5.31E-07

32	ENST00000611255	ENSG00000148655	65	-1.20	0.00016
32	ENST00000613266	ENSG00000086666	1292	-0.11	0.41697
32	ENST00000615230	ENSG00000049249	3	2.29	NA
32	ENST00000615949	ENSG00000198105	379	0.00	0.99858
32	ENST00000617722	ENSG00000215126	136	0.42	0.21386
32	ENST00000618921	ENSG00000196873	82	0.63	0.07826
32	ENST00000619168	ENSG00000183049	1218	-1.39	3.61E-57
32	ENST00000620048	ENSG00000213047	384	0.21	0.32129
32	ENST00000629350	ENSG00000134058	661	-0.05	0.83503
32	ENST00000634499	ENSG00000021645	7	0.51	NA
32	ENST00000634891	ENSG00000198838	2	4.20	NA
32	ENST00000635293	ENSG00000141510	3488	-0.05	0.60750
32	ENST00000635833	ENSG00000108370	24	1.01	0.11984
32	ENST00000637521	ENSG00000136854	3498	-0.33	1.54E-07
32	ENST00000638717	ENSG00000112425	149	0.02	0.96698
32	ENST00000641145	ENSG00000141905	8895	-0.43	5.94E-13
32	ENST00000642238	ENSG00000132849	867	-1.02	2.31E-28
32	ENST00000642610	ENSG00000284770	156	0.55	0.05629
32	ENST00000642696	ENSG00000100150	401	-0.06	0.79499
32	ENST00000642900	ENSG00000174780	4274	0.03	0.76052
32	ENST00000642955	ENSG00000188517	4589	-1.12	1.17E-74
32	ENST00000644820	ENSG00000186487	6	0.20	NA
32	ENST00000645780	ENSG00000073910	812	-0.57	1.49E-07
32	ENST00000648594	ENSG00000070831	4954	0.22	0.00013
32	ENST00000648638	ENSG00000054118	7269	-0.09	0.23670
32	ENST00000648844	ENSG00000153207	4739	0.11	0.19422
32	ENST00000648908	ENSG00000081923	256	-0.23	0.31666
32	ENST00000648948	ENSG00000167632	1175	-1.01	5.22E-28
32	ENST00000649704	ENSG00000151611	87	0.03	0.95108
32	ENST00000652299	ENSG00000052850	10	-0.10	NA
32	ENST00000652557	ENSG00000123607	571	-0.17	0.28538
32	ENST00000656129	ENSG00000228801	58	0.02	0.97582
32	ENST00000656437	ENSG00000142599	2989	-0.34	0.00041
32	ENST00000661030	ENSG00000162618	2	2.39	NA
32	ENST00000662345	ENSG00000224613	4	-0.25	NA

Supplementary Table 7 lists all genes that were targeted by ASO 32 and RNA-seq data was available. The transcript ID is given together with the ENSEMBL gene ID. Mean expression, log2 fold change and the adjusted p-value (padj) were calculated using DESeq2. *IDO1* (ENSG00000131203) is marked in bold.

Supplementary Table 8

ASO	ENSEMBL_Transcript_ID	ENSEMBL_Gene_ID	mean_expression	log ₂ (FoldChange)	padj
35	ENST00000064778	ENSG00000054965	1694	-0.52	2.09E-15
35	ENST000000202677	ENSG000000188559	590	-0.54	4.95E-07
35	ENST000000204005	ENSG00000090006	2538	-1.01	2.12E-40
35	ENST000000207157	ENSG00000092607	156	0.05	0.90632
35	ENST000000217246	ENSG000000172264	46	-0.33	0.63179
35	ENST000000222511	ENSG000000105793	509	-0.53	6.69E-07
35	ENST000000230640	ENSG00000039123	3687	-0.30	3.40E-06
35	ENST000000238892	ENSG000000119878	610	-0.82	1.92E-17
35	ENST000000239367	ENSG000000120256	1121	-0.50	0.00759
35	ENST000000251775	ENSG000000114520	684	-0.90	5.07E-18
35	ENST000000258484	ENSG000000135999	840	-0.03	0.90663
35	ENST000000261211	ENSG00000059758	643	-0.50	1.18E-05
35	ENST000000261413	ENSG000000113048	4059	-0.23	7.48E-06
35	ENST000000261491	ENSG000000102780	1198	-0.64	1.63E-16
35	ENST000000261842	ENSG000000081014	1576	-0.86	2.66E-42
35	ENST000000262726	ENSG000000186976	8	0.69	NA
35	ENST000000264956	ENSG000000072840	1082	-1.06	1.32E-38
35	ENST000000265071	ENSG000000113361	3121	-2.46	0
35	ENST000000265724	ENSG000000085563	276	-0.42	0.00605
35	ENST000000265997	ENSG000000107864	173	-0.20	0.46896
35	ENST000000266037	ENSG000000088538	39	-0.05	0.96787
35	ENST000000266534	ENSG000000139173	182	-1.72	4.25E-20
35	ENST000000267085	ENSG000000139631	471	-0.26	0.17038
35	ENST000000271588	ENSG000000143341	312	-1.51	2.03E-30
35	ENST000000272793	ENSG000000144357	1584	-0.40	1.19E-06
35	ENST000000273666	ENSG000000145087	115	-1.43	8.01E-06
35	ENST000000280200	ENSG000000150637	59	-0.36	0.58707
35	ENST000000281146	ENSG000000151470	178	-0.80	5.04E-05
35	ENST000000282268	ENSG000000152422	240	-0.50	0.00405
35	ENST000000283228	ENSG000000153233	43	-0.06	0.95614
35	ENST000000284509	ENSG000000104043	114	-0.30	0.36714
35	ENST000000286827	ENSG000000156299	33	-0.53	0.55152
35	ENST000000289292	ENSG000000158352	33	-1.47	0.00195
35	ENST000000291560	ENSG000000160207	72	0.17	0.79939
35	ENST000000295966	ENSG000000163689	57	0.03	0.98183
35	ENST000000297323	ENSG000000164742	27	-0.48	0.58235
35	ENST000000297848	ENSG000000187955	180	-0.66	0.00154
35	ENST000000299413	ENSG000000166326	4189	-0.35	4.41E-09
35	ENST000000299633	ENSG000000166503	1184	0.15	0.32905
35	ENST000000301831	ENSG000000168038	362	-0.33	0.04613
35	ENST000000301905	ENSG000000168078	1167	-0.53	5.62E-09
35	ENST000000303145	ENSG000000111554	290	0.02	0.97388
35	ENST000000303329	ENSG000000172379	92	-1.38	5.93E-07
35	ENST000000304987	ENSG000000170145	1537	-0.19	0.05563
35	ENST000000310396	ENSG000000106034	140	-0.29	0.38647
35	ENST000000310430	ENSG000000173273	2132	-0.59	1.16E-20

35	ENST00000310758	ENSG00000155849	7	0.01	NA
35	ENST00000312428	ENSG00000118997	132	0.09	0.88026
35	ENST00000313070	ENSG00000081803	39	-0.10	0.93109
35	ENST00000314191	ENSG00000253729	36777	-0.28	7.65E-10
35	ENST00000314622	ENSG00000178694	563	-0.12	0.60997
35	ENST00000316549	ENSG00000181804	22	-0.04	0.98164
35	ENST00000319653	ENSG00000155816	12	-0.73	NA
35	ENST00000320672	ENSG00000145687	316	-1.04	1.37E-16
35	ENST00000321728	ENSG00000166501	459	0.07	0.80753
35	ENST00000324109	ENSG00000107554	5899	-0.39	1.96E-14
35	ENST00000324765	ENSG00000147202	509	-1.46	6.79E-35
35	ENST00000327171	ENSG00000156958	1078	-0.76	4.01E-23
35	ENST00000327946	ENSG00000182771	8	-0.49	NA
35	ENST00000330423	ENSG00000183785	8	-0.81	NA
35	ENST00000331299	ENSG00000183032	16	-0.43	NA
35	ENST00000331710	ENSG00000183735	738	-0.30	0.01344
35	ENST00000334126	ENSG00000168014	2589	-0.10	0.37753
35	ENST00000334241	ENSG00000186300	139	-0.33	0.31709
35	ENST00000335693	ENSG00000175600	22	-1.19	0.09397
35	ENST00000336199	ENSG00000117020	27	-1.05	0.07768
35	ENST00000336926	ENSG00000127946	1326	-0.23	0.00133
35	ENST00000338144	ENSG00000165675	492	-0.65	7.20E-08
35	ENST00000340417	ENSG00000189308	1047	-0.62	7.95E-13
35	ENST00000340811	ENSG00000057294	147	-1.24	1.51E-10
35	ENST00000341502	ENSG00000150527	887	-0.21	0.14840
35	ENST00000345097	ENSG00000053254	1975	-0.41	5.50E-14
35	ENST00000351747	ENSG00000174844	3	-0.56	NA
35	ENST00000354212	ENSG00000187391	11	0.41	NA
35	ENST00000354619	ENSG00000086619	54	-0.16	0.82479
35	ENST00000354638	ENSG00000104044	15	-2.14	NA
35	ENST00000354914	ENSG00000168079	8	-0.33	NA
35	ENST00000355182	ENSG00000133104	1894	-0.71	4.28E-24
35	ENST00000355520	ENSG00000079482	534	-0.70	7.61E-11
35	ENST00000356539	ENSG00000197980	15	0.29	NA
35	ENST00000357033	ENSG00000198947	1923	0.19	0.02652
35	ENST00000357115	ENSG00000198589	3383	-0.94	1.28E-64
35	ENST00000357248	ENSG00000080503	3830	-0.80	1.43E-46
35	ENST00000357731	ENSG00000172260	1043	-1.61	2.52E-68
35	ENST00000357749	ENSG00000188419	1129	-0.73	3.95E-23
35	ENST00000357988	ENSG00000172943	1496	-1.17	1.97E-62
35	ENST00000358506	ENSG00000213639	5205	-0.26	0.00084
35	ENST00000358657	ENSG00000050438	6	-1.94	NA
35	ENST00000359926	ENSG00000087495	4	1.47	NA
35	ENST00000360057	ENSG00000196511	71	-1.37	1.48E-05
35	ENST00000360359	ENSG00000064999	1232	-0.66	6.37E-22
35	ENST00000360647	ENSG00000163848	1747	-0.62	6.80E-16
35	ENST00000361511	ENSG00000086717	16	0.16	NA
35	ENST00000367007	ENSG00000143473	237	-0.39	0.06542

35	ENST00000367584	ENSG00000112419	2732	-0.06	0.60851
35	ENST00000367607	ENSG00000135837	3742	-0.85	3.09E-41
35	ENST00000368620	ENSG00000165752	467	-0.22	0.30813
35	ENST00000368977	ENSG00000135537	121	-0.34	0.27934
35	ENST00000369485	ENSG00000111880	921	-0.40	0.00026
35	ENST00000370396	ENSG00000171100	204	-0.03	0.95913
35	ENST00000370474	ENSG00000154079	55	0.23	0.76647
35	ENST00000370557	ENSG00000101974	1416	-0.32	0.00053
35	ENST00000370818	ENSG00000147257	3	0.76	NA
35	ENST00000370859	ENSG00000137968	67	0.26	0.61410
35	ENST00000370978	ENSG00000056277	315	-0.34	0.07595
35	ENST00000371269	ENSG00000116133	9540	-0.16	0.00334
35	ENST00000371839	ENSG00000186094	7	0.89	NA
35	ENST00000372086	ENSG00000070759	65	0.13	0.87831
35	ENST00000373173	ENSG00000155008	1347	-0.28	0.00127
35	ENST00000373504	ENSG00000204116	363	-0.37	0.03647
35	ENST00000373855	ENSG00000119397	1142	-0.17	0.38216
35	ENST00000374879	ENSG00000241697	4	-1.34	NA
35	ENST00000375715	ENSG00000169071	2097	-0.35	9.53E-07
35	ENST00000376462	ENSG00000120549	1981	0.17	0.07582
35	ENST00000376716	ENSG00000197619	193	-0.34	0.20401
35	ENST00000377067	ENSG00000179399	841	-0.34	0.00891
35	ENST00000378069	ENSG00000069535	629	-0.43	0.00048
35	ENST00000378653	ENSG00000165164	25	-0.38	0.70219
35	ENST00000378839	ENSG00000151468	282	-0.42	0.02922
35	ENST00000380701	ENSG00000164989	113	-1.08	1.94E-05
35	ENST00000380787	ENSG00000101871	1607	-0.22	0.02206
35	ENST00000381095	ENSG00000146938	14	-0.66	NA
35	ENST00000381971	ENSG00000107249	536	-0.84	1.28E-13
35	ENST00000382254	ENSG00000154162	31	-0.78	0.10071
35	ENST00000389394	ENSG00000115423	4	0.12	NA
35	ENST00000389672	ENSG00000080224	44	-0.24	0.78269
35	ENST00000391860	ENSG00000177614	66	-1.04	0.00045
35	ENST00000391959	ENSG00000077157	1072	-0.37	0.00019
35	ENST00000393217	ENSG00000133640	70	0.25	0.58903
35	ENST00000393330	ENSG00000127324	335	0.48	0.00410
35	ENST00000393567	ENSG00000157423	5	0.61	NA
35	ENST00000394054	ENSG00000144802	809	0.26	0.04562
35	ENST00000394650	ENSG00000005059	351	-0.04	0.92640
35	ENST00000394945	ENSG00000152377	6047	-0.50	2.02E-24
35	ENST00000395527	ENSG00000128487	10546	-0.65	3.54E-67
35	ENST00000395542	ENSG00000106078	4265	-0.34	3.47E-11
35	ENST00000395601	ENSG00000172164	299	-0.86	2.17E-11
35	ENST00000396113	ENSG00000156170	386	0.18	0.35133
35	ENST00000396328	ENSG00000166415	378	-0.50	0.00308
35	ENST00000397821	ENSG00000147010	838	-0.22	0.13078
35	ENST00000398576	ENSG00000136167	271	-1.43	5.88E-19
35	ENST00000399273	ENSG00000170160	9	0.04	NA

35	ENST00000399609	ENSG00000185739	9	-0.69	NA
35	ENST00000400445	ENSG00000172915	439	-0.23	0.22487
35	ENST00000402676	ENSG00000131016	11520	-0.46	6.34E-11
35	ENST00000403593	ENSG00000139410	239	-1.44	8.27E-17
35	ENST00000403729	ENSG00000163297	43	-0.67	0.26222
35	ENST00000403766	ENSG00000134882	1472	-0.39	3.38E-08
35	ENST00000405269	ENSG00000183023	5	-0.04	NA
35	ENST00000405709	ENSG00000184903	426	-1.08	5.41E-15
35	ENST00000406053	ENSG00000115239	607	-0.25	0.07700
35	ENST00000409911	ENSG00000176204	3	0.06	NA
35	ENST00000412964	ENSG00000163006	569	-0.48	0.00025
35	ENST00000413025	ENSG00000183621	85	-0.21	0.68636
35	ENST00000413393	ENSG00000166974	1292	0.09	0.53137
35	ENST00000416240	ENSG00000004864	2477	-0.64	1.68E-24
35	ENST00000418871	ENSG00000170949	676	-0.49	3.33E-05
35	ENST00000421544	ENSG00000164418	886	-0.98	1.81E-26
35	ENST00000423059	ENSG00000005108	11	-1.55	NA
35	ENST00000423760	ENSG00000106443	1635	-0.24	0.01237
35	ENST00000424834	ENSG00000182957	233	0.00	0.99910
35	ENST00000425146	ENSG00000077264	16	0.70	NA
35	ENST00000426972	ENSG00000153904	883	-0.09	0.49987
35	ENST00000428675	ENSG00000115896	65	-1.67	2.18E-06
35	ENST00000431807	ENSG00000144395	375	0.10	0.71657
35	ENST00000432059	ENSG00000120519	230	0.03	0.94555
35	ENST00000446828	ENSG00000073803	477	-0.11	0.65368
35	ENST00000448413	ENSG00000144455	1190	-0.10	0.39317
35	ENST00000450716	ENSG00000114279	576	-0.27	0.02848
35	ENST00000454584	ENSG00000148935	8	0.36	NA
35	ENST00000462832	ENSG00000163806	66	0.36	0.52426
35	ENST00000463477	ENSG00000153707	78	-0.30	0.51971
35	ENST00000468573	ENSG00000133019	126	0.26	0.34439
35	ENST00000469481	ENSG00000101972	5867	0.01	0.94262
35	ENST00000474897	ENSG00000215193	2847	-0.04	0.73965
35	ENST00000474957	ENSG00000137941	591	-0.36	0.00525
35	ENST00000478722	ENSG00000171723	530	0.01	0.96265
35	ENST00000486921	ENSG00000082482	27	0.00	0.99850
35	ENST00000488612	ENSG00000182185	101	-0.69	0.05620
35	ENST00000492661	ENSG00000196549	71	-0.06	0.94578
35	ENST00000498004	ENSG00000169239	221	0.05	0.90668
35	ENST00000498382	ENSG00000143786	17	-0.48	NA
35	ENST00000502459	ENSG00000138640	1053	0.13	0.34123
35	ENST00000507958	ENSG00000145526	12	0.23	NA
35	ENST00000508366	ENSG00000205464	67	0.21	0.69665
35	ENST00000510708	ENSG00000169570	458	-0.59	1.25E-07
35	ENST00000510784	ENSG00000111913	85	-0.27	0.55005
35	ENST00000515518	ENSG00000186952	15	0.01	NA
35	ENST00000518476	ENSG00000176571	4	1.06	NA
35	ENST00000518696	ENSG00000172172	648	-0.10	0.61706

35	ENST00000519949	ENSG00000204764	464	-0.69	1.30E-06
35	ENST00000521585	ENSG00000170091	2	1.06	NA
35	ENST00000522495	ENSG00000131203	82	-1.32	5.37E-08
35	ENST00000522676	ENSG00000163116	3	-0.70	NA
35	ENST00000524717	ENSG00000184384	664	-0.81	1.73E-16
35	ENST00000535157	ENSG00000136155	10	-0.12	NA
35	ENST00000541323	ENSG00000104213	266	-0.12	0.73328
35	ENST00000541923	ENSG00000164120	40	-0.43	0.50455
35	ENST00000545314	ENSG00000162433	1933	-0.36	2.13E-07
35	ENST00000547103	ENSG00000165899	10	0.23	NA
35	ENST00000547776	ENSG00000185046	11	-0.36	NA
35	ENST00000554546	ENSG00000133961	736	-0.68	5.46E-13
35	ENST00000555044	ENSG00000119725	88	-0.22	0.66749
35	ENST00000557398	ENSG00000185442	76	-0.06	0.93546
35	ENST00000558583	ENSG00000237515	69	-1.03	0.00011
35	ENST00000561490	ENSG00000047346	1034	0.03	0.91694
35	ENST00000565914	ENSG00000103121	431	-0.49	0.00195
35	ENST00000567109	ENSG00000140945	689	-0.91	9.58E-27
35	ENST00000570194	ENSG00000149927	11	-0.34	NA
35	ENST00000586115	ENSG00000186020	316	-0.48	0.00057
35	ENST00000586570	ENSG00000041353	734	-0.08	0.75827
35	ENST00000610897	ENSG00000078369	8813	-0.68	3.13E-40
35	ENST00000611250	ENSG00000102221	1003	-0.65	1.55E-18
35	ENST00000620350	ENSG00000129295	50	-2.11	1.41E-08
35	ENST00000620860	ENSG00000070785	579	-0.30	0.02089
35	ENST00000634891	ENSG00000198838	2	-0.84	NA
35	ENST00000635860	ENSG00000153930	14	-0.35	NA
35	ENST00000635978	ENSG00000175344	21	-0.23	0.85862
35	ENST00000637919	ENSG00000182621	288	-1.08	1.02E-10
35	ENST00000639629	ENSG00000216937	144	-0.20	0.57244
35	ENST00000641051	ENSG00000109339	6	-0.69	NA
35	ENST00000641499	ENSG00000164162	77	0.26	0.62049
35	ENST00000644820	ENSG00000186487	6	0.82	NA
35	ENST00000645463	ENSG00000253438	24	-1.25	0.00870
35	ENST00000646667	ENSG00000092439	4000	-0.19	0.02371
35	ENST00000647444	ENSG00000184007	7711	-0.37	9.45E-15
35	ENST00000648377	ENSG00000183722	229	-0.02	0.97285
35	ENST00000649996	ENSG00000080493	63	-0.45	0.32635
35	ENST00000651278	ENSG00000177138	8	2.19	NA
35	ENST00000651989	ENSG00000033122	22	-1.27	0.07189
35	ENST00000652502	ENSG00000197168	2	-1.82	NA
35	ENST00000674285	ENSG00000157703	149	-0.08	0.86509

Supplementary Table 8 lists all genes that were targeted by ASO 35 and RNA-seq data was available. The transcript ID is given together with the ENSEMBL gene ID. Mean expression, log2 fold change and the adjusted p-value (padj) were calculated using DESeq2. *IDO1* (ENSG00000131203) is marked in bold.

Supplementary Table 9

ASO	ENSEMBL_Transcript_ID	ENSEMBL_Gene_ID	mean_expression	log ₂ (FoldChange)	padj
40	ENST00000007516	ENSG00000004779	927	-0.23	0.07182
40	ENST00000008527	ENSG00000008405	899	-0.11	0.33123
40	ENST00000011619	ENSG00000010017	1551	-0.51	3.56E-09
40	ENST00000025008	ENSG00000023287	2811	-0.01	0.92326
40	ENST00000052754	ENSG00000011465	77	0.85	0.00630
40	ENST00000064778	ENSG00000054965	1694	-0.91	1.41E-44
40	ENST00000081029	ENSG00000061794	1615	0.01	0.92987
40	ENST00000159111	ENSG00000127663	1705	0.02	0.88404
40	ENST00000160373	ENSG00000077063	77	-0.77	0.00338
40	ENST00000163416	ENSG00000066455	1030	0.19	0.08311
40	ENST00000169298	ENSG00000073849	126	-1.08	0.00012
40	ENST00000173229	ENSG00000065320	5	-1.39	NA
40	ENST00000176763	ENSG00000072786	722	-0.27	0.00438
40	ENST00000178638	ENSG00000074410	1125	-0.67	4.05E-12
40	ENST00000178640	ENSG00000137764	653	-1.04	4.84E-22
40	ENST00000185206	ENSG00000112782	28	0.46	0.43441
40	ENST00000190611	ENSG00000079156	265	-0.08	0.79220
40	ENST00000196169	ENSG00000083544	847	-0.23	0.08022
40	ENST00000202556	ENSG00000088808	301	-0.45	0.00067
40	ENST00000202677	ENSG00000188559	590	-0.43	7.39E-05
40	ENST00000204566	ENSG00000090487	2507	-0.31	1.51E-05
40	ENST00000204726	ENSG00000090615	6456	0.03	0.75583
40	ENST00000205061	ENSG00000090863	7994	-0.13	0.01663
40	ENST00000206020	ENSG00000091640	777	-0.02	0.92761
40	ENST00000206474	ENSG00000092036	223	-0.34	0.05878
40	ENST00000215790	ENSG00000099992	114	0.46	0.08351
40	ENST00000216024	ENSG00000100206	35	-0.34	0.61016
40	ENST00000216218	ENSG00000100380	7307	-0.05	0.58931
40	ENST00000216373	ENSG00000100485	790	0.12	0.35960
40	ENST00000216484	ENSG00000100596	1493	-0.23	0.00879
40	ENST00000217246	ENSG00000172264	46	-0.37	0.49401
40	ENST00000219478	ENSG00000103199	676	0.05	0.82151
40	ENST00000220244	ENSG00000103888	10	-1.50	NA
40	ENST00000220514	ENSG00000104147	593	-0.45	1.09E-05
40	ENST00000221130	ENSG00000104687	3792	-0.34	3.40E-08
40	ENST00000221132	ENSG00000104689	701	-0.06	0.74181
40	ENST00000221138	ENSG00000104695	1242	0.01	0.92565
40	ENST00000221462	ENSG00000104866	1073	-0.07	0.55693
40	ENST00000222330	ENSG00000105723	676	-0.21	0.06262
40	ENST00000222345	ENSG00000105738	1990	-0.66	2.24E-28
40	ENST00000222673	ENSG00000105953	8461	-0.92	4.81E-76
40	ENST00000223398	ENSG00000106665	531	-0.16	0.26010
40	ENST00000223528	ENSG00000106692	1651	-0.20	0.06363
40	ENST00000224073	ENSG00000107223	5063	-0.08	0.55719
40	ENST00000224140	ENSG00000107290	6680	-0.28	6.18E-06
40	ENST00000225235	ENSG00000108239	261	-0.25	0.27942

40	ENST00000225519	ENSG00000197417	100	-0.72	0.00470
40	ENST00000225576	ENSG00000175106	200	-0.25	0.24912
40	ENST00000226725	ENSG00000109466	645	-0.17	0.14881
40	ENST00000227756	ENSG00000110328	5	-0.37	NA
40	ENST00000229179	ENSG00000111581	2173	-0.53	1.85E-20
40	ENST00000229340	ENSG00000111737	1423	-0.06	0.61262
40	ENST00000229812	ENSG00000112079	1634	-0.45	3.45E-11
40	ENST00000230036	ENSG00000112293	119	-0.26	0.42538
40	ENST00000230419	ENSG00000112655	2004	-0.44	2.16E-08
40	ENST00000230640	ENSG00000039123	3687	0.12	0.11093
40	ENST00000231238	ENSG00000113312	996	-0.22	0.02102
40	ENST00000231498	ENSG00000113569	13262	-0.20	0.00020
40	ENST00000233027	ENSG00000114904	1280	-0.12	0.41477
40	ENST00000233055	ENSG00000085449	857	-0.38	8.21E-05
40	ENST00000233057	ENSG00000055332	2423	-0.10	0.31060
40	ENST00000233099	ENSG00000008869	887	-0.16	0.20948
40	ENST00000234296	ENSG00000115942	1597	-0.12	0.29231
40	ENST00000235532	ENSG00000116885	96	0.14	0.79085
40	ENST00000236698	ENSG00000118007	2103	-0.51	1.47E-07
40	ENST00000237536	ENSG00000149639	5085	-0.19	9.12E-05
40	ENST00000237696	ENSG00000118849	66	-0.57	0.14818
40	ENST00000238497	ENSG00000119541	1376	0.08	0.56105
40	ENST00000238856	ENSG00000119844	774	0.18	0.10197
40	ENST00000238961	ENSG00000119906	1108	-0.84	2.84E-20
40	ENST00000239026	ENSG00000119969	4888	-0.21	0.00587
40	ENST00000239891	ENSG00000120697	495	0.06	0.77056
40	ENST00000240139	ENSG00000120910	295	-0.07	0.77503
40	ENST00000240423	ENSG00000121152	1867	-0.02	0.88327
40	ENST00000240499	ENSG00000131127	410	-0.14	0.54407
40	ENST00000242505	ENSG00000138286	307	-0.52	0.00014
40	ENST00000242804	ENSG00000198342	10	0.35	NA
40	ENST00000242810	ENSG00000114796	1180	-0.22	0.03751
40	ENST00000243662	ENSG00000123892	127	0.22	0.52116
40	ENST00000244137	ENSG00000124299	2247	-0.28	0.00084
40	ENST00000245206	ENSG00000125166	4746	0.05	0.63748
40	ENST00000246166	ENSG00000257365	120	-0.45	0.05129
40	ENST00000248600	ENSG00000127952	435	-0.32	0.01677
40	ENST00000249373	ENSG00000128602	65	-0.70	0.08533
40	ENST00000249700	ENSG00000128872	82	0.27	0.48755
40	ENST00000249923	ENSG00000129083	3708	0.02	0.90710
40	ENST00000250454	ENSG00000129518	642	-0.06	0.73392
40	ENST00000251076	ENSG00000104093	2473	-0.04	0.79061
40	ENST00000251241	ENSG00000108406	2259	-0.76	9.66E-27
40	ENST00000251472	ENSG00000105613	132	-0.52	0.01125
40	ENST00000251507	ENSG00000152061	474	-0.74	1.09E-09
40	ENST00000251527	ENSG00000117868	6362	-0.26	4.80E-08
40	ENST00000251636	ENSG00000067248	1734	0.05	0.72361
40	ENST00000251775	ENSG00000114520	684	-0.01	0.96196

40	ENST00000252085	ENSG00000253159	11	0.81	NA
40	ENST00000252087	ENSG00000240764	7	0.14	NA
40	ENST00000252575	ENSG00000130287	3	1.13	NA
40	ENST00000252590	ENSG00000130300	188	-1.33	1.92E-19
40	ENST00000252744	ENSG00000130449	1290	-0.24	0.00539
40	ENST00000252996	ENSG00000130699	1329	-0.13	0.19047
40	ENST00000253039	ENSG00000130741	14908	-0.07	0.25349
40	ENST00000253115	ENSG00000130818	843	-0.22	0.05337
40	ENST00000253407	ENSG00000131094	278	0.52	0.08014
40	ENST00000253496	ENSG00000131187	114	0.93	0.00028
40	ENST00000253778	ENSG00000131459	395	0.22	0.18088
40	ENST00000253812	ENSG00000254245	10	-0.81	NA
40	ENST00000253861	ENSG00000131558	2192	-1.25	#####
40	ENST00000253925	ENSG00000131626	3297	-0.03	0.73392
40	ENST00000253928	ENSG00000059122	1448	-0.24	0.01641
40	ENST00000254480	ENSG00000173473	5710	-0.45	2.51E-26
40	ENST00000254630	ENSG00000132300	2154	-0.04	0.73030
40	ENST00000254759	ENSG00000132423	256	0.13	0.57303
40	ENST00000255152	ENSG00000132801	109	-0.14	0.70697
40	ENST00000255559	ENSG00000133195	272	-0.80	1.57E-10
40	ENST00000255882	ENSG00000241973	3396	-0.24	7.92E-05
40	ENST00000256084	ENSG00000133710	354	0.20	0.14536
40	ENST00000256117	ENSG00000133740	204	-0.19	0.35613
40	ENST00000256339	ENSG00000133958	14	-0.87	0.25303
40	ENST00000256429	ENSG00000134046	1644	0.15	0.11992
40	ENST00000256458	ENSG00000134070	160	-0.04	0.92827
40	ENST00000256637	ENSG00000134243	1994	-0.28	0.00030
40	ENST00000257209	ENSG00000134775	78	-0.46	0.23923
40	ENST00000257247	ENSG00000124942	48128	0.49	5.82E-19
40	ENST00000257570	ENSG00000135114	157	0.73	0.00046
40	ENST00000257836	ENSG00000135378	129	0.24	0.39182
40	ENST00000257963	ENSG00000135503	743	-0.18	0.25847
40	ENST00000258104	ENSG00000135636	46	0.34	0.48890
40	ENST00000258145	ENSG00000135677	6420	-0.29	6.97E-10
40	ENST00000258149	ENSG00000135679	2576	-0.07	0.44845
40	ENST00000258180	ENSG00000135709	156	0.21	0.41485
40	ENST00000258229	ENSG00000135749	833	-0.45	6.11E-06
40	ENST00000258390	ENSG00000135905	829	-0.31	0.00581
40	ENST00000258399	ENSG00000135913	1963	-0.23	0.00270
40	ENST00000258428	ENSG00000135945	1020	-0.15	0.26165
40	ENST00000258729	ENSG00000136231	3013	-0.15	0.06765
40	ENST00000258886	ENSG00000136381	4402	0.13	0.08014
40	ENST00000259119	ENSG00000136603	6394	-0.01	0.91755
40	ENST00000259873	ENSG00000204568	1625	0.00	0.99956
40	ENST00000260327	ENSG00000137770	2727	-0.24	0.00829
40	ENST00000260408	ENSG00000137845	5459	-0.13	0.05050
40	ENST00000260506	ENSG00000137942	1475	-0.04	0.77579
40	ENST00000260570	ENSG00000138002	967	-0.29	0.00273

40	ENST00000260641	ENSG00000138071	6115	-0.02	0.87702
40	ENST00000260723	ENSG00000138152	8	-1.37	NA
40	ENST00000260746	ENSG00000138175	415	-0.24	0.10012
40	ENST00000261303	ENSG00000100764	2105	-0.01	0.94450
40	ENST00000261326	ENSG00000075643	1009	-0.07	0.59523
40	ENST00000261349	ENSG00000070018	3067	-0.07	0.40967
40	ENST00000261369	ENSG00000064652	330	-0.15	0.49890
40	ENST00000261377	ENSG00000005189	440	-0.06	0.74298
40	ENST00000261381	ENSG00000103489	4	-1.20	NA
40	ENST00000261383	ENSG00000158486	15	-0.58	0.53483
40	ENST00000261405	ENSG00000110799	42	0.97	0.01431
40	ENST00000261413	ENSG00000113048	4059	-0.04	0.63989
40	ENST00000261461	ENSG00000066027	999	-0.20	0.03312
40	ENST00000261509	ENSG00000129116	8349	0.09	0.13836
40	ENST00000261534	ENSG00000009830	1348	-0.01	0.95489
40	ENST00000261636	ENSG00000120805	895	-0.14	0.14825
40	ENST00000261699	ENSG00000087299	550	-0.11	0.50104
40	ENST00000261726	ENSG00000111249	13	-1.64	0.05097
40	ENST00000261739	ENSG00000076513	828	-0.15	0.22098
40	ENST00000261772	ENSG00000090861	6563	0.02	0.88733
40	ENST00000261778	ENSG00000103047	675	-0.87	1.88E-20
40	ENST00000261835	ENSG00000036530	3	0.98	NA
40	ENST00000261837	ENSG00000069966	2988	-0.03	0.77806
40	ENST00000261839	ENSG00000128833	3284	-0.50	3.43E-12
40	ENST00000261854	ENSG00000138600	2095	-0.04	0.82318
40	ENST00000261866	ENSG00000104133	3099	-0.57	3.96E-19
40	ENST00000261884	ENSG00000103671	597	-0.17	0.20836
40	ENST00000261951	ENSG00000113300	2870	-0.19	0.00950
40	ENST00000261978	ENSG00000119681	1265	-0.29	0.00431
40	ENST00000262039	ENSG00000078142	1209	-0.04	0.75584
40	ENST00000262053	ENSG00000123268	1024	0.13	0.30020
40	ENST00000262077	ENSG00000124789	4066	0.03	0.75467
40	ENST00000262105	ENSG00000104738	10227	-0.39	5.50E-24
40	ENST00000262120	ENSG00000128791	1102	-0.20	0.06312
40	ENST00000262126	ENSG00000101745	806	-0.12	0.43460
40	ENST00000262150	ENSG00000071991	3	-0.81	NA
40	ENST00000262187	ENSG00000106615	2182	-0.14	0.16775
40	ENST00000262215	ENSG00000066777	1723	-0.32	4.50E-05
40	ENST00000262305	ENSG00000090565	1379	-0.49	3.09E-09
40	ENST00000262320	ENSG00000103126	2019	0.08	0.51127
40	ENST00000262352	ENSG00000106688	753	0.23	0.02731
40	ENST00000262410	ENSG00000186868	53	-0.20	0.73743
40	ENST00000262510	ENSG00000140853	1243	-0.12	0.37361
40	ENST00000262519	ENSG00000099381	2448	0.11	0.16394
40	ENST00000262570	ENSG00000106554	2061	0.03	0.85840
40	ENST00000262605	ENSG00000124120	1290	-0.09	0.43589
40	ENST00000262715	ENSG00000129566	1536	0.09	0.40834
40	ENST00000262719	ENSG00000081913	876	-0.14	0.22900

40	ENST00000262738	ENSG00000075275	7931	-0.29	9.88E-06
40	ENST00000262768	ENSG00000035862	15395	-0.36	1.57E-12
40	ENST00000262854	ENSG00000086758	27562	-0.03	0.70476
40	ENST00000262919	ENSG00000088812	1516	-0.22	0.00097
40	ENST00000263073	ENSG00000070366	1283	-0.14	0.14987
40	ENST00000263119	ENSG00000099991	3062	-0.02	0.85362
40	ENST00000263212	ENSG00000100034	801	-0.05	0.76716
40	ENST00000263269	ENSG00000105464	73	0.31	0.39123
40	ENST00000263379	ENSG00000104998	495	0.24	0.05878
40	ENST00000263433	ENSG00000125503	1492	-0.10	0.46068
40	ENST00000263468	ENSG00000110318	379	0.02	0.94634
40	ENST00000263563	ENSG00000107719	248	-0.10	0.72985
40	ENST00000263630	ENSG00000115355	2747	-0.19	0.04053
40	ENST00000263635	ENSG00000115183	3448	-0.11	0.10361
40	ENST00000263702	ENSG00000116353	754	-0.10	0.39843
40	ENST00000263707	ENSG00000115112	14	0.66	0.49539
40	ENST00000263733	ENSG00000116199	3180	-0.14	0.04854
40	ENST00000263734	ENSG00000116016	3989	0.04	0.61617
40	ENST00000263881	ENSG00000011566	684	-0.33	0.00245
40	ENST00000263904	ENSG00000115145	697	-0.05	0.75790
40	ENST00000263966	ENSG00000058056	2366	-0.18	0.01745
40	ENST00000264021	ENSG00000118096	407	0.05	0.84281
40	ENST00000264144	ENSG00000058085	311	-0.54	0.00051
40	ENST00000264156	ENSG00000076003	6946	-0.12	0.07463
40	ENST00000264159	ENSG00000121988	308	-0.93	4.81E-11
40	ENST00000264254	ENSG00000115539	311	0.29	0.06714
40	ENST00000264501	ENSG00000138688	3117	-0.11	0.23076
40	ENST00000264596	ENSG00000109674	595	-0.08	0.69925
40	ENST00000264644	ENSG00000108352	125	-0.59	0.03217
40	ENST00000264658	ENSG00000108306	1561	-0.47	9.82E-09
40	ENST00000264663	ENSG00000112992	8599	0.16	0.00076
40	ENST00000264741	ENSG00000144668	2	-1.39	NA
40	ENST00000264866	ENSG00000109680	286	-0.23	0.24630
40	ENST00000264914	ENSG00000113273	1639	-0.35	1.70E-06
40	ENST00000265022	ENSG00000058866	4	-1.20	NA
40	ENST00000265062	ENSG00000075785	3576	-0.09	0.21118
40	ENST00000265080	ENSG00000113319	26	-0.39	0.59131
40	ENST00000265109	ENSG00000039560	6860	-0.39	8.13E-14
40	ENST00000265271	ENSG00000091009	714	-0.04	0.86453
40	ENST00000265293	ENSG00000113645	1967	-0.15	0.04617
40	ENST00000265299	ENSG00000106125	34	0.39	0.57601
40	ENST00000265371	ENSG00000099250	400	-0.53	2.96E-05
40	ENST00000265381	ENSG00000107282	17	-0.60	0.49280
40	ENST00000265382	ENSG00000107242	100	-0.28	0.46553
40	ENST00000265563	ENSG00000114302	3067	-0.33	9.50E-10
40	ENST00000265586	ENSG00000114770	1269	-0.08	0.53253
40	ENST00000265689	ENSG00000110721	991	-0.35	0.00031
40	ENST00000265709	ENSG00000029534	48	-0.08	0.89626

40	ENST00000265717	ENSG00000005249	332	0.16	0.38818
40	ENST00000265724	ENSG00000085563	276	0.26	0.09487
40	ENST00000265807	ENSG00000104611	1502	-0.20	0.02824
40	ENST00000265986	ENSG00000119912	2138	-0.24	0.00355
40	ENST00000265990	ENSG00000095564	2887	-0.25	0.00165
40	ENST00000265997	ENSG00000107864	173	-0.17	0.49024
40	ENST00000266079	ENSG00000101161	6224	-0.17	0.00542
40	ENST00000266254	ENSG00000100271	31	-0.67	0.21763
40	ENST00000266458	ENSG00000139112	2814	0.00	0.98665
40	ENST00000266509	ENSG00000139155	376	-0.23	0.33231
40	ENST00000267484	ENSG00000139970	15	0.76	0.28007
40	ENST00000267615	ENSG00000100605	1698	0.12	0.29118
40	ENST00000267889	ENSG00000140323	53	0.64	0.13976
40	ENST00000268053	ENSG00000140459	50	-0.32	0.61705
40	ENST00000268097	ENSG00000213614	2004	-0.19	0.00291
40	ENST00000268717	ENSG00000141030	2503	-0.10	0.28008
40	ENST00000268719	ENSG00000141034	466	0.09	0.61016
40	ENST00000269081	ENSG00000154263	9	-0.15	NA
40	ENST00000269209	ENSG00000141441	811	0.03	0.88152
40	ENST00000270776	ENSG00000142657	4828	-0.23	0.00065
40	ENST00000271915	ENSG00000143603	4	-0.48	NA
40	ENST00000271971	ENSG00000135773	3	-0.33	NA
40	ENST00000272238	ENSG00000143882	4	-0.44	NA
40	ENST00000272321	ENSG00000143951	242	-0.31	0.15659
40	ENST00000272322	ENSG00000143952	502	-0.19	0.21735
40	ENST00000272542	ENSG00000144136	2858	-0.12	0.07153
40	ENST00000273009	ENSG00000144535	1059	-0.08	0.56441
40	ENST00000273853	ENSG00000145241	836	0.02	0.93740
40	ENST00000273980	ENSG00000145348	523	-0.12	0.53540
40	ENST00000274030	ENSG00000145390	1091	0.01	0.97784
40	ENST00000274181	ENSG00000145536	194	0.07	0.85366
40	ENST00000274625	ENSG00000156427	201	-1.22	5.29E-16
40	ENST00000274695	ENSG00000145996	584	-0.60	2.57E-11
40	ENST00000274979	ENSG00000146205	139	0.18	0.55177
40	ENST00000275820	ENSG00000146909	1106	-0.04	0.77579
40	ENST00000277120	ENSG00000148053	5	-1.07	NA
40	ENST00000277570	ENSG00000148426	438	0.07	0.76400
40	ENST00000277632	ENSG00000148481	513	-0.05	0.82189
40	ENST00000278060	ENSG00000148832	4	0.45	NA
40	ENST00000278353	ENSG00000149084	829	-0.27	0.03927
40	ENST00000278483	ENSG00000149196	643	-0.06	0.71790
40	ENST00000278550	ENSG00000149256	60	-1.47	6.41E-05
40	ENST00000279387	ENSG00000149923	2568	-0.28	0.00170
40	ENST00000279873	ENSG00000150347	2387	0.28	2.06E-06
40	ENST00000280285	ENSG00000150712	3008	0.11	0.11629
40	ENST00000280333	ENSG00000150760	2627	-0.32	4.29E-06
40	ENST00000280871	ENSG00000151229	1887	-0.58	2.75E-13
40	ENST00000280886	ENSG00000151240	820	-0.13	0.21660

40	ENST00000281081	ENSG00000151413	258	-0.34	0.11398
40	ENST00000281092	ENSG00000151422	1865	-0.17	0.05191
40	ENST00000281282	ENSG00000128849	78	-0.31	0.44558
40	ENST00000281441	ENSG00000151715	18	-1.43	0.10471
40	ENST00000281513	ENSG00000151779	1947	-0.25	0.00098
40	ENST00000281631	ENSG00000151883	808	0.14	0.26220
40	ENST00000281741	ENSG00000087301	467	-0.11	0.57257
40	ENST00000281828	ENSG00000116120	2642	0.09	0.37405
40	ENST00000281928	ENSG00000123066	3208	-0.52	2.30E-18
40	ENST00000282185	ENSG00000152348	251	-0.35	0.09109
40	ENST00000282268	ENSG00000152422	240	-0.51	0.00166
40	ENST00000282272	ENSG00000065413	640	-0.39	5.18E-05
40	ENST00000282356	ENSG00000152495	248	-0.11	0.67390
40	ENST00000282486	ENSG00000152601	3742	0.08	0.26640
40	ENST00000283131	ENSG00000153147	4536	-0.04	0.70619
40	ENST00000283206	ENSG00000153214	386	0.17	0.36944
40	ENST00000283233	ENSG00000153237	3	1.30	NA
40	ENST00000283365	ENSG00000134769	84	0.89	0.00049
40	ENST00000283928	ENSG00000153814	257	-0.40	0.00984
40	ENST00000284073	ENSG00000153944	3639	-0.54	1.98E-17
40	ENST00000284268	ENSG00000154122	6708	0.02	0.81954
40	ENST00000284637	ENSG00000154447	2850	0.18	0.00073
40	ENST00000284776	ENSG00000154556	5787	-0.50	1.25E-16
40	ENST00000285737	ENSG00000102910	2731	-0.38	1.23E-11
40	ENST00000285928	ENSG00000155530	29	-0.76	0.23309
40	ENST00000285968	ENSG00000155561	6657	-0.09	0.11958
40	ENST00000286063	ENSG00000128655	3	-0.34	NA
40	ENST00000286122	ENSG00000172530	741	-0.18	0.08294
40	ENST00000286744	ENSG00000156218	220	-0.70	1.02E-05
40	ENST00000286827	ENSG00000156299	33	-0.75	0.26552
40	ENST00000286918	ENSG00000156381	1130	-0.04	0.87647
40	ENST00000287218	ENSG00000156639	955	-0.45	2.42E-06
40	ENST00000287437	ENSG00000156831	366	-0.50	0.00232
40	ENST00000287598	ENSG00000156970	3682	0.13	0.06110
40	ENST00000287713	ENSG00000157064	50	-1.77	2.86E-07
40	ENST00000287727	ENSG00000157077	752	-0.50	3.08E-06
40	ENST00000287878	ENSG00000106617	130	-0.30	0.28822
40	ENST00000288221	ENSG00000187672	9	-1.78	NA
40	ENST00000288235	ENSG00000157483	7430	-0.02	0.76622
40	ENST00000288532	ENSG00000110871	487	-0.27	0.03543
40	ENST00000288642	ENSG00000138101	275	-0.18	0.33251
40	ENST00000288723	ENSG00000157869	376	-0.30	0.07758
40	ENST00000289119	ENSG00000158201	484	-1.30	4.43E-30
40	ENST00000290949	ENSG00000159720	1901	-0.10	0.26350
40	ENST00000291386	ENSG00000160075	2861	-0.26	0.00016
40	ENST00000291416	ENSG00000116525	204	-0.27	0.20738
40	ENST00000291552	ENSG00000160201	96	-0.10	0.83162
40	ENST00000291906	ENSG00000160447	2670	-0.03	0.80093

40	ENST00000292069	ENSG00000198046	13	-2.91	0.00286
40	ENST00000292140	ENSG00000176531	325	0.17	0.53027
40	ENST00000292147	ENSG00000105755	544	0.06	0.82388
40	ENST00000292928	ENSG00000161298	15	-1.16	0.13051
40	ENST00000293328	ENSG00000173757	3528	-0.11	0.04453
40	ENST00000293618	ENSG00000161813	3708	-0.24	0.00107
40	ENST00000294304	ENSG00000162337	8265	-0.12	0.10795
40	ENST00000294543	ENSG00000162542	613	-0.27	0.02182
40	ENST00000294613	ENSG00000162604	512	-0.20	0.19661
40	ENST00000295095	ENSG00000075884	4	-2.26	NA
40	ENST00000295220	ENSG00000163075	4	-0.01	NA
40	ENST00000295400	ENSG00000163235	31	-0.40	0.63236
40	ENST00000295628	ENSG00000163428	4920	-0.18	0.00809
40	ENST00000295754	ENSG00000163513	2283	-0.08	0.26552
40	ENST00000295770	ENSG00000163527	9211	-0.13	0.02144
40	ENST00000295888	ENSG00000163625	2789	-0.22	0.00491
40	ENST00000295902	ENSG00000163637	141	0.82	0.00012
40	ENST00000295971	ENSG00000163694	832	-0.14	0.20642
40	ENST00000296181	ENSG00000082781	7674	-0.09	0.15592
40	ENST00000296380	ENSG00000164002	368	0.00	0.99058
40	ENST00000296402	ENSG00000145349	955	-0.12	0.28562
40	ENST00000296543	ENSG00000164134	2978	0.01	0.93707
40	ENST00000296550	ENSG00000170390	494	-0.50	5.63E-05
40	ENST00000296684	ENSG00000164258	633	0.01	0.97418
40	ENST00000296953	ENSG00000164463	349	0.02	0.95298
40	ENST00000296955	ENSG00000164465	1275	-0.34	1.08E-05
40	ENST00000297063	ENSG00000164542	330	0.02	0.92761
40	ENST00000297145	ENSG00000164603	212	-0.20	0.42885
40	ENST00000297267	ENSG00000164694	308	-0.85	5.26E-10
40	ENST00000297323	ENSG00000164742	27	-1.14	0.05220
40	ENST00000297405	ENSG00000164796	3	1.52	NA
40	ENST00000297540	ENSG00000164902	1057	0.15	0.22915
40	ENST00000297623	ENSG00000164972	4	0.61	NA
40	ENST00000297632	ENSG00000164983	692	-0.10	0.59107
40	ENST00000297770	ENSG00000165078	3	-3.86	NA
40	ENST00000297814	ENSG00000165115	117	0.19	0.63455
40	ENST00000297848	ENSG00000187955	180	-0.27	0.28424
40	ENST00000297979	ENSG00000148120	2025	0.34	1.17E-05
40	ENST00000298097	ENSG00000165355	675	-0.31	0.00124
40	ENST00000298125	ENSG00000139668	673	-0.28	0.01156
40	ENST00000298139	ENSG00000165392	1027	-0.20	0.11002
40	ENST00000298307	ENSG00000165516	907	-0.06	0.62848
40	ENST00000298310	ENSG00000165525	1424	0.10	0.44287
40	ENST00000298355	ENSG00000100505	14	-0.56	0.57185
40	ENST00000298492	ENSG00000165660	546	-0.59	5.38E-06
40	ENST00000298573	ENSG00000111266	1758	-0.01	0.94135
40	ENST00000298832	ENSG00000119685	1224	-0.48	5.01E-09
40	ENST00000298875	ENSG00000165934	3302	-0.58	5.36E-23

40	ENST00000298910	ENSG00000188906	90	0.11	0.82626
40	ENST00000299045	ENSG00000166046	263	0.52	0.00250
40	ENST00000299106	ENSG00000166086	90	-0.84	0.00508
40	ENST00000299167	ENSG00000102893	2786	-0.24	1.42E-05
40	ENST00000299345	ENSG00000150394	6	-0.96	NA
40	ENST00000299492	ENSG00000166387	38	0.21	0.72370
40	ENST00000299954	ENSG00000154217	3828	-0.75	2.03E-37
40	ENST00000299957	ENSG00000166734	3312	-0.31	1.71E-08
40	ENST00000300060	ENSG00000166825	646	0.01	0.96028
40	ENST00000300141	ENSG00000074603	2267	-0.47	1.16E-10
40	ENST00000300737	ENSG00000167323	1107	0.03	0.85894
40	ENST00000301030	ENSG00000167522	7371	-0.28	8.25E-08
40	ENST00000301159	ENSG00000267796	21	-1.56	0.01420
40	ENST00000301335	ENSG00000167703	671	0.12	0.45217
40	ENST00000301831	ENSG00000168038	362	-0.47	0.00061
40	ENST00000301923	ENSG00000100354	4754	-0.42	1.64E-15
40	ENST00000301981	ENSG00000168904	223	0.16	0.52328
40	ENST00000302190	ENSG00000169439	3996	-0.16	0.02777
40	ENST00000302495	ENSG00000169495	56	-0.12	0.85940
40	ENST00000302708	ENSG00000166199	482	-0.25	0.06322
40	ENST00000302850	ENSG00000171105	1198	-0.35	2.61E-06
40	ENST00000303052	ENSG00000169118	1033	-0.39	7.54E-07
40	ENST00000303142	ENSG00000171984	30	0.32	0.64738
40	ENST00000303436	ENSG00000168374	4045	0.14	0.03596
40	ENST00000303538	ENSG00000121892	5969	-0.40	1.16E-15
40	ENST00000303635	ENSG00000171735	884	-0.44	2.69E-07
40	ENST00000303904	ENSG00000168090	3224	-0.26	2.70E-05
40	ENST00000304330	ENSG00000103932	1819	-0.22	0.00041
40	ENST00000304363	ENSG00000110066	1234	-0.04	0.74147
40	ENST00000304381	ENSG00000170537	421	-0.21	0.17804
40	ENST00000304613	ENSG00000171798	256	-0.79	2.85E-06
40	ENST00000304685	ENSG00000143344	166	-0.24	0.36555
40	ENST00000304743	ENSG00000100731	3217	-0.26	0.00070
40	ENST00000304992	ENSG00000174231	32229	-0.13	0.01009
40	ENST00000305031	ENSG00000198108	677	-0.17	0.27853
40	ENST00000305135	ENSG00000163872	2277	-0.39	2.30E-09
40	ENST00000305249	ENSG00000115353	41	-0.10	0.88566
40	ENST00000305560	ENSG00000171763	885	0.05	0.73100
40	ENST00000305798	ENSG00000168785	48	-1.08	0.00086
40	ENST00000305997	ENSG00000143797	1015	-0.17	0.15987
40	ENST00000306078	ENSG00000171126	104	-0.27	0.47071
40	ENST00000306107	ENSG00000170017	2901	0.41	1.77E-10
40	ENST00000306156	ENSG00000171132	348	-0.45	0.00184
40	ENST00000306378	ENSG00000171634	5499	-0.32	2.28E-08
40	ENST00000306593	ENSG00000242419	7	0.24	NA
40	ENST00000306627	ENSG00000170142	891	-0.48	6.61E-07
40	ENST00000306858	ENSG00000168143	574	0.64	2.18E-08
40	ENST00000307017	ENSG00000170185	1388	-0.09	0.51442

40	ENST00000307102	ENSG00000169032	2276	-0.19	0.00969
40	ENST00000307465	ENSG00000138769	12	0.31	0.77579
40	ENST00000307471	ENSG00000169193	86	-0.16	0.77345
40	ENST00000307712	ENSG00000100934	3180	-0.08	0.31932
40	ENST00000307767	ENSG00000171928	828	-0.02	0.89983
40	ENST00000307845	ENSG00000115756	3039	0.10	0.19791
40	ENST00000307892	ENSG00000103018	2147	-0.34	6.07E-08
40	ENST00000308159	ENSG00000102900	2146	0.00	0.99956
40	ENST00000308177	ENSG00000240184	236	0.06	0.85105
40	ENST00000308249	ENSG00000175175	10	-0.98	NA
40	ENST00000308275	ENSG00000167196	1606	-0.17	0.06713
40	ENST00000308660	ENSG00000173926	57	-0.27	0.54986
40	ENST00000308736	ENSG00000150990	1710	-0.28	0.00146
40	ENST00000309469	ENSG00000130734	504	-0.14	0.45024
40	ENST00000309558	ENSG00000173705	134	-0.41	0.11342
40	ENST00000309955	ENSG00000003402	1493	-0.14	0.19540
40	ENST00000309983	ENSG00000137364	506	-0.19	0.28649
40	ENST00000310018	ENSG00000105929	49	-0.91	0.03548
40	ENST00000310298	ENSG00000073417	2345	-0.02	0.82820
40	ENST00000310343	ENSG00000134909	687	-0.02	0.90900
40	ENST00000310396	ENSG00000106034	140	0.18	0.58546
40	ENST00000310421	ENSG00000175073	1603	0.05	0.70197
40	ENST00000310430	ENSG00000173273	2132	-0.14	0.09198
40	ENST00000310513	ENSG00000149187	6788	-0.19	0.00019
40	ENST00000310806	ENSG00000129534	2252	-0.29	0.00136
40	ENST00000310842	ENSG00000146707	176	0.07	0.84070
40	ENST00000311051	ENSG00000166313	477	-0.08	0.75228
40	ENST00000311117	ENSG00000005483	2906	0.04	0.66866
40	ENST00000311128	ENSG00000174839	1125	-0.23	0.01797
40	ENST00000311160	ENSG00000136205	3132	-0.08	0.30447
40	ENST00000311180	ENSG00000174840	1619	-0.08	0.48405
40	ENST00000311672	ENSG00000173660	2373	0.01	0.92432
40	ENST00000311772	ENSG00000117751	1390	0.02	0.89671
40	ENST00000311806	ENSG00000172939	3095	-0.13	0.02338
40	ENST00000311907	ENSG00000180210	2	-3.03	NA
40	ENST00000311956	ENSG00000175220	2564	-0.26	1.27E-05
40	ENST00000312358	ENSG00000072195	468	0.00	0.99465
40	ENST00000312431	ENSG00000151914	9575	-0.14	0.12465
40	ENST00000312561	ENSG00000174718	859	-0.66	4.02E-14
40	ENST00000312655	ENSG00000175155	200	0.13	0.66476
40	ENST00000313324	ENSG00000178397	5	1.23	NA
40	ENST00000313334	ENSG00000134717	1565	-0.29	0.00010
40	ENST00000313486	ENSG00000174238	1932	-0.56	4.69E-17
40	ENST00000313565	ENSG00000102984	105	-0.01	0.98056
40	ENST00000313655	ENSG00000136982	481	-0.44	0.01133
40	ENST00000313838	ENSG00000171962	54	0.41	0.35389
40	ENST00000314358	ENSG00000120733	4909	-0.02	0.80327
40	ENST00000314393	ENSG00000178764	475	-0.42	0.00224

40	ENST00000314565	ENSG00000165714	545	-0.14	0.25917
40	ENST00000315127	ENSG00000179151	2511	-0.04	0.67609
40	ENST00000315285	ENSG00000021574	749	-0.12	0.47733
40	ENST00000315576	ENSG00000127507	540	0.14	0.34118
40	ENST00000316218	ENSG00000065485	563	-0.10	0.51512
40	ENST00000316519	ENSG00000081760	1737	-0.08	0.42923
40	ENST00000316549	ENSG00000181804	22	-0.41	0.65007
40	ENST00000317233	ENSG00000144218	36	0.04	0.96123
40	ENST00000317243	ENSG00000172006	179	0.25	0.27724
40	ENST00000317868	ENSG00000125703	331	-0.16	0.41395
40	ENST00000318217	ENSG00000176658	29	-1.40	0.03378
40	ENST00000318602	ENSG00000175899	297	-0.53	9.78E-05
40	ENST00000318709	ENSG00000105778	1988	-0.26	0.00209
40	ENST00000318833	ENSG00000180787	97	-0.26	0.49068
40	ENST00000319194	ENSG00000166938	1429	-0.31	6.29E-05
40	ENST00000319327	ENSG00000184716	7	0.75	NA
40	ENST00000319331	ENSG00000175928	21	0.82	0.21448
40	ENST00000319432	ENSG00000125633	1344	0.00	0.98315
40	ENST00000319481	ENSG00000141447	491	-0.02	0.93223
40	ENST00000319580	ENSG00000166839	49	-1.61	3.08E-05
40	ENST00000319653	ENSG00000155816	12	0.54	0.55423
40	ENST00000320152	ENSG00000099256	127	-0.35	0.28490
40	ENST00000320203	ENSG00000157110	970	-0.29	0.00161
40	ENST00000320394	ENSG00000174628	155	-0.75	0.00100
40	ENST00000320580	ENSG00000175115	4326	-0.40	3.57E-16
40	ENST00000320610	ENSG00000130856	1128	-0.06	0.59522
40	ENST00000320865	ENSG00000175711	299	-0.51	0.00387
40	ENST00000320876	ENSG00000101596	4048	-0.26	0.00083
40	ENST00000321105	ENSG00000177302	3448	-0.12	0.05197
40	ENST00000321196	ENSG00000179104	323	-1.61	1.19E-29
40	ENST00000321322	ENSG00000177103	9	-0.79	NA
40	ENST00000321437	ENSG00000166128	429	0.19	0.33265
40	ENST00000321521	ENSG00000145725	1715	-0.53	1.00E-08
40	ENST00000321728	ENSG00000166501	459	1.02	4.04E-21
40	ENST00000321867	ENSG00000177169	2968	0.13	0.06507
40	ENST00000322217	ENSG00000176182	198	0.06	0.85600
40	ENST00000322349	ENSG00000102189	884	0.13	0.43433
40	ENST00000322954	ENSG00000137831	897	0.01	0.94559
40	ENST00000323060	ENSG00000125741	966	-0.67	1.83E-19
40	ENST00000323116	ENSG00000058063	1517	-0.03	0.85700
40	ENST00000324501	ENSG00000080815	1492	0.01	0.94332
40	ENST00000324631	ENSG00000165995	74	-0.03	0.96364
40	ENST00000324765	ENSG00000147202	509	-1.21	1.90E-24
40	ENST00000324774	ENSG00000110931	1512	-0.31	0.00044
40	ENST00000325006	ENSG00000158467	613	-1.08	3.65E-23
40	ENST00000325324	ENSG00000086200	1081	-0.42	1.47E-05
40	ENST00000325722	ENSG00000142687	2393	-0.53	5.98E-22
40	ENST00000326035	ENSG00000177453	19	-1.63	0.01512

40	ENST00000326448	ENSG00000068885	372	-0.20	0.26969
40	ENST00000326639	ENSG00000138709	630	-0.12	0.46932
40	ENST00000326648	ENSG00000180357	3037	-0.56	2.74E-27
40	ENST00000326685	ENSG00000173210	80	0.19	0.59484
40	ENST00000326735	ENSG00000159363	2719	-0.27	0.00012
40	ENST00000327040	ENSG00000156011	1201	0.06	0.60240
40	ENST00000327134	ENSG00000180370	3856	-0.08	0.43791
40	ENST00000327705	ENSG00000165810	8	-4.86	NA
40	ENST00000327791	ENSG00000015153	546	-0.08	0.67521
40	ENST00000327946	ENSG00000182771	8	0.69	NA
40	ENST00000328089	ENSG00000171621	710	0.01	0.98007
40	ENST00000328252	ENSG00000182752	7296	-0.11	0.12288
40	ENST00000328459	ENSG00000165914	434	-0.07	0.74580
40	ENST00000329235	ENSG00000182287	724	-0.43	0.00065
40	ENST00000329321	ENSG00000183840	34	0.32	0.62848
40	ENST00000329517	ENSG00000185838	241	-0.29	0.17638
40	ENST00000330208	ENSG00000126091	408	-0.50	0.00216
40	ENST00000330212	ENSG00000184307	326	-0.30	0.08972
40	ENST00000330387	ENSG00000182158	6649	-0.17	9.87E-05
40	ENST00000330459	ENSG00000182481	10860	-0.07	0.22660
40	ENST00000330636	ENSG00000214113	578	-0.52	8.15E-10
40	ENST00000330722	ENSG00000205420	2	0.53	NA
40	ENST00000330843	ENSG00000156675	1314	0.01	0.94558
40	ENST00000330909	ENSG00000151276	646	-1.84	1.72E-45
40	ENST00000331134	ENSG00000182446	6044	-0.40	6.35E-19
40	ENST00000331238	ENSG00000185924	17	-1.53	0.04001
40	ENST00000331299	ENSG00000183032	16	0.20	0.85600
40	ENST00000331886	ENSG00000065357	1058	0.20	0.02121
40	ENST00000331923	ENSG00000159086	1305	-0.02	0.93853
40	ENST00000332175	ENSG00000173482	2197	-0.66	2.07E-27
40	ENST00000333003	ENSG00000120798	565	-0.37	0.00507
40	ENST00000333213	ENSG00000182173	723	0.09	0.60504
40	ENST00000333229	ENSG00000185658	3020	0.00	0.98783
40	ENST00000333274	ENSG00000184349	933	-0.78	2.95E-19
40	ENST00000333371	ENSG00000184056	52	0.02	0.97915
40	ENST00000333837	ENSG00000184613	790	0.37	0.00023
40	ENST00000333957	ENSG00000111731	1403	0.05	0.74147
40	ENST00000334049	ENSG00000141404	516	-0.20	0.16071
40	ENST00000334256	ENSG00000186432	3147	-0.05	0.66514
40	ENST00000334344	ENSG00000189079	3488	-0.08	0.37505
40	ENST00000334414	ENSG00000127329	987	-0.62	2.60E-17
40	ENST00000334464	ENSG00000165650	2925	0.03	0.78489
40	ENST00000334512	ENSG00000108175	2131	0.04	0.71088
40	ENST00000334701	ENSG00000080824	23551	-0.02	0.83977
40	ENST00000334705	ENSG00000176853	2186	0.02	0.90929
40	ENST00000334736	ENSG00000158636	1332	0.01	0.92469
40	ENST00000334955	ENSG00000187257	1023	-0.11	0.42644
40	ENST00000334956	ENSG00000197702	3867	-0.20	0.00043

40	ENST00000335117	ENSG00000256229	71	-1.20	0.00031
40	ENST00000335185	ENSG00000186714	3	0.92	NA
40	ENST00000335251	ENSG00000164066	498	-0.11	0.60361
40	ENST00000335255	ENSG00000141568	3769	-0.34	9.03E-13
40	ENST00000335327	ENSG00000132970	13	-1.15	0.23121
40	ENST00000335464	ENSG00000109066	935	-0.11	0.47562
40	ENST00000335473	ENSG00000133454	2	-1.49	NA
40	ENST00000335574	ENSG00000101294	5601	-0.07	0.32628
40	ENST00000335613	ENSG00000167992	9	-0.77	NA
40	ENST00000335681	ENSG00000170485	1701	-0.17	0.06859
40	ENST00000335693	ENSG00000175600	22	-0.91	0.17527
40	ENST00000335754	ENSG00000113812	1035	-0.18	0.10112
40	ENST00000335870	ENSG00000170260	429	-0.48	0.00024
40	ENST00000335894	ENSG00000103599	112	-0.14	0.73392
40	ENST00000335934	ENSG00000115129	366	0.28	0.07211
40	ENST00000335968	ENSG00000185418	239	-0.04	0.91140
40	ENST00000336053	ENSG00000092199	12902	0.07	0.24071
40	ENST00000336148	ENSG00000197275	86	-0.01	0.98059
40	ENST00000336314	ENSG00000155506	20964	-0.02	0.82294
40	ENST00000336349	ENSG00000179119	1222	0.16	0.09417
40	ENST00000336755	ENSG00000147905	836	-0.58	1.21E-10
40	ENST00000336868	ENSG00000167693	936	-0.59	2.07E-11
40	ENST00000336926	ENSG00000127946	1326	-0.22	0.00137
40	ENST00000336990	ENSG00000141391	157	-0.10	0.77392
40	ENST00000337006	ENSG00000135049	1119	-0.50	9.04E-09
40	ENST00000337138	ENSG00000100644	7677	-0.02	0.80322
40	ENST00000337179	ENSG00000173598	880	0.03	0.85666
40	ENST00000337221	ENSG00000168077	15757	-0.12	0.04967
40	ENST00000337338	ENSG00000171492	1086	0.04	0.83053
40	ENST00000337351	ENSG00000007392	1138	-0.22	0.03896
40	ENST00000337414	ENSG00000047648	8	0.64	NA
40	ENST00000337432	ENSG00000108384	525	-0.40	0.00011
40	ENST00000337530	ENSG00000165185	900	-0.38	1.28E-06
40	ENST00000337537	ENSG00000154001	1736	-0.58	2.67E-16
40	ENST00000337612	ENSG00000099968	1403	-0.21	0.01729
40	ENST00000337682	ENSG00000139146	2448	-0.02	0.84181
40	ENST00000337827	ENSG00000100626	42	-0.36	0.52396
40	ENST00000337963	ENSG00000132950	220	-0.25	0.27757
40	ENST00000338316	ENSG00000078295	4	-0.16	NA
40	ENST00000338458	ENSG00000163947	243	-0.02	0.94469
40	ENST00000338625	ENSG00000102743	612	-0.24	0.09608
40	ENST00000339077	ENSG00000122550	678	-0.03	0.87936
40	ENST00000339269	ENSG00000101391	1025	-0.16	0.08238
40	ENST00000339284	ENSG00000178217	2	0.57	NA
40	ENST00000339394	ENSG00000162512	844	-0.33	0.00079
40	ENST00000339399	ENSG00000136938	4014	0.16	0.10463
40	ENST00000339474	ENSG00000176809	134	-0.32	0.32520
40	ENST00000339488	ENSG00000244694	7	-0.64	NA

40	ENST00000339582	ENSG00000179603	4	-2.13	NA
40	ENST00000339824	ENSG00000171435	16	-0.67	0.47902
40	ENST00000340171	ENSG00000174928	20	0.11	0.91146
40	ENST00000340415	ENSG00000172794	6	0.73	NA
40	ENST00000340748	ENSG00000130816	8185	-0.06	0.31074
40	ENST00000341165	ENSG00000188554	4485	-0.07	0.30791
40	ENST00000341285	ENSG00000118564	1101	-0.26	0.00111
40	ENST00000341516	ENSG00000139990	1029	0.09	0.44516
40	ENST00000341594	ENSG00000131018	3571	-0.21	0.00276
40	ENST00000341618	ENSG00000156265	68	-0.61	0.10677
40	ENST00000341865	ENSG00000188112	241	0.18	0.39182
40	ENST00000341885	ENSG00000176261	454	-0.36	0.01765
40	ENST00000341893	ENSG00000182504	1245	-0.10	0.46172
40	ENST00000342136	ENSG00000159110	137	-1.22	2.01E-09
40	ENST00000342228	ENSG00000168575	742	-0.71	4.98E-11
40	ENST00000342287	ENSG00000167081	326	-0.52	0.00774
40	ENST00000342480	ENSG00000114631	3283	0.02	0.81670
40	ENST00000342704	ENSG00000078699	721	-0.44	1.49E-05
40	ENST00000342771	ENSG00000158321	542	-0.87	3.08E-14
40	ENST00000343028	ENSG00000064115	4147	-0.16	0.01305
40	ENST00000343053	ENSG00000188986	5007	-0.01	0.95672
40	ENST00000343218	ENSG00000113657	9271	0.54	2.83E-35
40	ENST00000343348	ENSG00000092421	19	-1.82	0.00643
40	ENST00000343526	ENSG00000122779	1674	-0.03	0.85542
40	ENST00000343813	ENSG00000116237	6211	-0.16	0.00982
40	ENST00000343882	ENSG00000118689	1239	-0.55	7.18E-17
40	ENST00000343958	ENSG00000180263	480	0.09	0.64436
40	ENST00000343979	ENSG00000196646	276	-0.06	0.82749
40	ENST00000344113	ENSG00000054654	5080	-0.29	0.00018
40	ENST00000344517	ENSG00000135776	673	-0.13	0.38871
40	ENST00000344546	ENSG00000167863	2143	0.12	0.51681
40	ENST00000344773	ENSG00000158019	446	-0.48	0.00101
40	ENST00000345094	ENSG00000134077	1720	0.07	0.48914
40	ENST00000345097	ENSG00000053254	1975	-0.13	0.05352
40	ENST00000346085	ENSG00000049618	4189	-0.19	0.00325
40	ENST00000346183	ENSG00000072736	1161	-0.30	9.49E-05
40	ENST00000346991	ENSG00000137812	4083	-0.37	1.21E-07
40	ENST00000347053	ENSG00000164597	1157	-0.43	6.63E-11
40	ENST00000347404	ENSG00000049130	610	-0.41	0.00090
40	ENST00000348403	ENSG00000165209	1222	0.01	0.94170
40	ENST00000349004	ENSG00000101079	1077	-0.18	0.05182
40	ENST00000349213	ENSG00000054267	1280	-0.10	0.36635
40	ENST00000349499	ENSG00000159212	19	-0.58	0.43584
40	ENST00000349748	ENSG00000092529	22	0.15	0.87500
40	ENST00000349830	ENSG00000104728	153	-0.20	0.58937
40	ENST00000350027	ENSG00000143498	157	-0.21	0.48592
40	ENST00000350082	ENSG00000112144	554	0.06	0.77374
40	ENST00000352241	ENSG00000187098	973	0.30	9.50E-05

40	ENST00000352397	ENSG00000100243	4826	-0.01	0.93284
40	ENST00000352886	ENSG00000176974	2009	-0.21	0.00152
40	ENST00000353267	ENSG00000118260	1219	-0.40	1.96E-05
40	ENST00000353442	ENSG00000105983	1554	-0.41	2.41E-08
40	ENST00000353487	ENSG00000157837	911	-0.05	0.71085
40	ENST00000354181	ENSG00000140199	1524	0.26	0.00424
40	ENST00000354212	ENSG00000187391	11	0.19	NA
40	ENST00000354366	ENSG00000119720	974	-0.41	2.02E-06
40	ENST00000354370	ENSG00000164749	13	-1.40	0.13071
40	ENST00000354410	ENSG00000068305	1806	-0.20	0.00375
40	ENST00000354446	ENSG00000182923	419	-0.20	0.20822
40	ENST00000354449	ENSG00000197548	918	-0.54	3.47E-10
40	ENST00000354534	ENSG00000196876	11	0.16	NA
40	ENST00000354552	ENSG00000168386	18	1.36	0.07453
40	ENST00000354586	ENSG00000198252	816	-0.13	0.43344
40	ENST00000354883	ENSG00000144741	307	-0.18	0.38656
40	ENST00000354960	ENSG00000138735	139	-0.24	0.32310
40	ENST00000354992	ENSG00000133424	2	-3.07	NA
40	ENST00000355014	ENSG00000196189	11	-0.14	NA
40	ENST00000355044	ENSG00000107518	6	-1.10	NA
40	ENST00000355086	ENSG00000196935	1768	-0.19	0.02824
40	ENST00000355112	ENSG00000197299	1872	-0.04	0.77978
40	ENST00000355123	ENSG00000198399	1148	-0.05	0.74447
40	ENST00000355377	ENSG00000103528	267	0.37	0.03305
40	ENST00000355520	ENSG00000079482	534	-0.36	0.00201
40	ENST00000355621	ENSG00000186591	3147	-0.50	1.03E-21
40	ENST00000355774	ENSG00000119684	878	-0.25	0.02642
40	ENST00000355849	ENSG00000131773	267	0.39	0.04726
40	ENST00000355977	ENSG00000198160	1436	-0.25	0.02026
40	ENST00000355999	ENSG00000198648	667	-0.41	9.29E-05
40	ENST00000356056	ENSG00000066933	2053	-0.18	0.04962
40	ENST00000356079	ENSG00000119004	768	-0.18	0.12341
40	ENST00000356136	ENSG00000198382	889	-0.29	0.00376
40	ENST00000356146	ENSG00000100490	198	-0.05	0.88533
40	ENST00000356175	ENSG00000196712	5557	-0.58	4.14E-16
40	ENST00000356206	ENSG00000197217	1808	-0.15	0.06671
40	ENST00000356218	ENSG00000139926	573	0.09	0.58266
40	ENST00000356221	ENSG00000130177	1752	-0.10	0.22098
40	ENST00000356271	ENSG00000008838	3449	-0.62	1.92E-29
40	ENST00000356297	ENSG00000147485	13	-0.03	0.98492
40	ENST00000356309	ENSG00000146918	4126	-0.20	0.00146
40	ENST00000356401	ENSG00000177479	3223	-0.46	8.50E-19
40	ENST00000356415	ENSG00000116473	1090	0.06	0.68400
40	ENST00000356443	ENSG00000101605	10	0.47	NA
40	ENST00000356458	ENSG00000214595	84	-1.09	0.00030
40	ENST00000356607	ENSG00000142655	767	-0.38	0.00073
40	ENST00000356608	ENSG00000121270	7	0.34	NA
40	ENST00000356711	ENSG00000041515	265	-0.21	0.23076

40	ENST00000356766	ENSG00000197181	11	1.35	NA
40	ENST00000356920	ENSG00000188219	52	-0.80	0.09704
40	ENST00000357033	ENSG00000198947	1923	0.30	3.94E-05
40	ENST00000357060	ENSG00000197748	9	-0.31	NA
40	ENST00000357103	ENSG00000006831	3550	0.06	0.44873
40	ENST00000357137	ENSG00000196236	1173	-0.27	0.00114
40	ENST00000357156	ENSG00000125971	65	-0.01	0.99058
40	ENST00000357162	ENSG00000132549	1904	-0.73	8.97E-24
40	ENST00000357258	ENSG00000181722	1624	-0.37	4.10E-06
40	ENST00000357422	ENSG00000183625	3	0.38	NA
40	ENST00000357424	ENSG00000159224	2	0.04	NA
40	ENST00000357430	ENSG00000123983	6809	0.16	0.01228
40	ENST00000357485	ENSG00000196843	155	0.32	0.15886
40	ENST00000357505	ENSG00000244754	1824	-0.72	3.40E-15
40	ENST00000357533	ENSG00000083067	101	-0.31	0.39447
40	ENST00000357641	ENSG00000096070	1196	0.19	0.03602
40	ENST00000357814	ENSG00000109065	595	-0.07	0.67892
40	ENST00000358024	ENSG00000133069	50	0.05	0.94716
40	ENST00000358075	ENSG00000102158	3026	-0.17	0.00976
40	ENST00000358184	ENSG00000196188	2	-0.85	NA
40	ENST00000358220	ENSG00000047056	658	-0.18	0.23068
40	ENST00000358296	ENSG00000197020	369	0.26	0.14828
40	ENST00000358308	ENSG00000213390	255	0.21	0.32090
40	ENST00000358395	ENSG00000101236	1282	0.49	5.05E-12
40	ENST00000358460	ENSG00000182518	145	-0.31	0.24075
40	ENST00000358691	ENSG00000198265	3263	-0.17	0.02766
40	ENST00000358812	ENSG00000172469	410	-0.30	0.11235
40	ENST00000358825	ENSG00000170325	466	-0.10	0.59747
40	ENST00000358869	ENSG00000197712	1670	0.06	0.50215
40	ENST00000359015	ENSG00000197442	974	-0.20	0.05062
40	ENST00000359062	ENSG00000172572	22634	-0.19	2.33E-05
40	ENST00000359139	ENSG00000100239	2420	-0.22	0.00108
40	ENST00000359154	ENSG00000198373	1195	-0.23	0.00792
40	ENST00000359263	ENSG00000138119	8188	-0.15	0.00115
40	ENST00000359513	ENSG00000175224	2905	-0.01	0.94488
40	ENST00000359568	ENSG00000160299	3818	-0.10	0.20928
40	ENST00000359827	ENSG00000221866	2	-2.52	NA
40	ENST00000359843	ENSG00000111206	6367	-0.51	4.38E-38
40	ENST00000359860	ENSG00000172661	1551	-0.08	0.48681
40	ENST00000359867	ENSG00000213923	2631	-0.07	0.44073
40	ENST00000359872	ENSG00000108684	3	1.89	NA
40	ENST00000360013	ENSG00000160145	79	0.26	0.57907
40	ENST00000360156	ENSG00000125354	576	-0.39	0.00012
40	ENST00000360187	ENSG00000196458	231	-0.06	0.83758
40	ENST00000360256	ENSG00000185010	155	-0.39	0.10471
40	ENST00000360448	ENSG00000164674	5	-0.73	NA
40	ENST00000360449	ENSG00000139117	1135	-0.36	0.00017
40	ENST00000360586	ENSG00000198554	1503	-0.48	1.03E-09

40	ENST00000360647	ENSG00000163848	1747	-0.04	0.80322
40	ENST00000360655	ENSG00000166833	9152	-0.03	0.76403
40	ENST00000360663	ENSG00000107758	884	-0.23	0.02976
40	ENST00000360689	ENSG00000033170	542	-0.34	0.00080
40	ENST00000360768	ENSG00000196715	2181	-0.48	1.96E-14
40	ENST00000360839	ENSG00000131503	125	0.30	0.37847
40	ENST00000361078	ENSG00000055917	3970	-0.02	0.89952
40	ENST00000361127	ENSG00000198799	1166	0.00	0.99659
40	ENST00000361209	ENSG00000148219	129	-0.34	0.16295
40	ENST00000361226	ENSG00000198853	2542	-0.13	0.06496
40	ENST00000361246	ENSG00000198752	7834	-0.11	0.08468
40	ENST00000361264	ENSG00000198876	3089	-0.22	0.00014
40	ENST00000361271	ENSG00000165996	183	-0.36	0.11194
40	ENST00000361297	ENSG00000086015	2525	-0.21	0.00134
40	ENST00000361511	ENSG00000086717	16	0.09	0.93812
40	ENST00000361582	ENSG00000198919	379	-0.08	0.72503
40	ENST00000361618	ENSG00000198948	125	0.27	0.42443
40	ENST00000361654	ENSG00000130779	3569	-0.17	0.03426
40	ENST00000361658	ENSG00000083290	399	-0.07	0.70616
40	ENST00000361673	ENSG00000198796	222	0.27	0.18562
40	ENST00000361719	ENSG00000152822	24	0.73	0.27576
40	ENST00000361733	ENSG00000198909	1030	-0.21	0.01277
40	ENST00000361837	ENSG00000162062	915	-0.11	0.44936
40	ENST00000361924	ENSG00000144674	3529	0.04	0.82317
40	ENST00000361961	ENSG00000139116	2371	-0.14	0.16802
40	ENST00000362031	ENSG00000129515	1229	-0.08	0.59081
40	ENST00000366513	ENSG00000162852	855	-0.07	0.65695
40	ENST00000366541	ENSG00000054282	278	-0.26	0.15592
40	ENST00000366574	ENSG00000198626	94	0.70	0.01467
40	ENST00000366592	ENSG00000077585	91	-0.15	0.72426
40	ENST00000366600	ENSG00000162885	1329	-0.43	9.38E-08
40	ENST00000366651	ENSG00000143633	231	-0.05	0.87168
40	ENST00000366691	ENSG00000116574	64	-0.29	0.46720
40	ENST00000366835	ENSG00000196187	939	-0.23	0.01829
40	ENST00000366844	ENSG00000154380	4375	0.03	0.72355
40	ENST00000366974	ENSG00000203705	294	0.02	0.94882
40	ENST00000366987	ENSG00000162772	539	0.40	0.00074
40	ENST00000367033	ENSG00000076356	862	-0.24	0.03347
40	ENST00000367097	ENSG00000130338	2044	-0.47	2.17E-15
40	ENST00000367147	ENSG00000174514	2	1.89	NA
40	ENST00000367187	ENSG00000133056	3376	-0.06	0.49464
40	ENST00000367202	ENSG00000143845	99	0.07	0.89336
40	ENST00000367265	ENSG00000117139	2098	0.10	0.29840
40	ENST00000367302	ENSG00000134369	2389	-0.25	0.00479
40	ENST00000367321	ENSG00000120254	3279	-0.68	2.91E-31
40	ENST00000367350	ENSG00000118193	2519	-0.09	0.56636
40	ENST00000367384	ENSG00000120265	1571	-0.17	0.02572
40	ENST00000367435	ENSG00000134371	1887	-0.06	0.63943

40	ENST00000367478	ENSG00000047410	11762	0.02	0.85840
40	ENST00000367545	ENSG00000152818	2535	-0.87	6.23E-49
40	ENST00000367559	ENSG00000135828	133	0.38	0.07975
40	ENST00000367590	ENSG00000143324	1453	-0.39	9.23E-07
40	ENST00000367669	ENSG00000143207	1065	-0.14	0.19642
40	ENST00000368008	ENSG00000158793	656	0.03	0.88137
40	ENST00000368226	ENSG00000152894	2382	-0.35	4.91E-05
40	ENST00000368468	ENSG00000111885	600	0.37	0.00424
40	ENST00000368488	ENSG00000111860	213	-0.02	0.96074
40	ENST00000368559	ENSG00000143552	10	-0.42	NA
40	ENST00000368655	ENSG00000143614	3458	-0.44	2.29E-20
40	ENST00000368814	ENSG00000159445	1228	0.14	0.17902
40	ENST00000368851	ENSG00000112394	7	-1.00	NA
40	ENST00000368918	ENSG00000143458	544	-1.28	5.21E-23
40	ENST00000368977	ENSG00000135537	121	0.00	0.99748
40	ENST00000369005	ENSG00000138162	1143	0.17	0.11183
40	ENST00000369016	ENSG00000143420	3573	-0.10	0.24131
40	ENST00000369094	ENSG00000159208	12	0.52	0.59081
40	ENST00000369144	ENSG00000107581	8412	0.04	0.74298
40	ENST00000369207	ENSG00000188316	3	-2.56	NA
40	ENST00000369620	ENSG00000160211	6838	-0.21	0.00199
40	ENST00000369686	ENSG00000134245	57	0.60	0.12831
40	ENST00000369747	ENSG00000118420	160	-0.07	0.82755
40	ENST00000369774	ENSG00000107957	4014	-0.06	0.48755
40	ENST00000369797	ENSG00000148843	3664	0.05	0.56835
40	ENST00000369878	ENSG00000148842	1270	-0.35	1.01E-05
40	ENST00000369902	ENSG00000107882	544	-0.50	6.53E-08
40	ENST00000369939	ENSG00000116299	61	0.56	0.18051
40	ENST00000369983	ENSG00000107862	4028	-0.20	7.00E-05
40	ENST00000370192	ENSG00000188641	514	-0.86	5.94E-11
40	ENST00000370355	ENSG00000099194	38413	0.20	1.12E-05
40	ENST00000370384	ENSG00000135314	189	-0.22	0.46563
40	ENST00000370399	ENSG00000069702	632	-0.11	0.47299
40	ENST00000370401	ENSG00000013619	751	-0.15	0.34837
40	ENST00000370521	ENSG00000065243	2614	-0.33	0.00064
40	ENST00000370571	ENSG00000171502	7	-0.51	NA
40	ENST00000370608	ENSG00000153898	182	-0.27	0.30409
40	ENST00000370728	ENSG00000117114	603	-0.36	0.00192
40	ENST00000370794	ENSG00000077254	2634	-0.18	0.02157
40	ENST00000370818	ENSG00000147257	3	-1.65	NA
40	ENST00000370828	ENSG00000076716	210	-0.41	0.01209
40	ENST00000370836	ENSG00000171004	1839	-0.15	0.11551
40	ENST00000370859	ENSG00000137968	67	0.00	0.99634
40	ENST00000371026	ENSG00000152763	46	-0.05	0.93707
40	ENST00000371037	ENSG00000118473	21	0.50	0.57114
40	ENST00000371088	ENSG00000203965	291	-0.28	0.19806
40	ENST00000371117	ENSG00000170927	26	-0.87	0.08483
40	ENST00000371153	ENSG00000132854	43	-1.51	6.48E-05

40	ENST00000371317	ENSG00000232119	1105	-0.26	0.00301
40	ENST00000371372	ENSG00000148408	7	-2.06	NA
40	ENST00000371410	ENSG00000101882	657	0.14	0.42754
40	ENST00000371497	ENSG00000182463	2667	-0.75	1.95E-22
40	ENST00000371514	ENSG00000116171	1237	-0.21	0.01253
40	ENST00000371518	ENSG00000020256	1712	0.11	0.26383
40	ENST00000371538	ENSG00000162377	1922	0.04	0.67659
40	ENST00000371627	ENSG00000107854	3607	0.00	0.98059
40	ENST00000371655	ENSG00000169213	165	0.55	0.01151
40	ENST00000371711	ENSG00000158470	2154	-0.15	0.03205
40	ENST00000371790	ENSG00000152779	4	-0.80	NA
40	ENST00000371822	ENSG00000131725	1327	0.11	0.28365
40	ENST00000371839	ENSG00000186094	7	0.04	NA
40	ENST00000371856	ENSG00000124214	3488	-0.37	3.76E-10
40	ENST00000371917	ENSG00000124198	4517	-0.34	1.39E-10
40	ENST00000371941	ENSG00000124126	1849	-0.28	0.00030
40	ENST00000371992	ENSG00000085998	2333	-0.37	5.74E-07
40	ENST00000371998	ENSG00000124151	1867	-0.29	2.18E-05
40	ENST00000372086	ENSG00000070759	65	0.48	0.28718
40	ENST00000372136	ENSG00000165698	124	-0.15	0.73743
40	ENST00000372224	ENSG00000142945	3333	0.05	0.58175
40	ENST00000372236	ENSG00000170734	1019	-0.05	0.72303
40	ENST00000372348	ENSG00000097007	11818	0.05	0.41171
40	ENST00000372429	ENSG00000136878	1267	-0.31	5.35E-05
40	ENST00000372476	ENSG00000066056	63	-1.37	0.00221
40	ENST00000372486	ENSG00000148335	1710	0.23	0.01207
40	ENST00000372577	ENSG00000095319	9356	-0.13	0.00826
40	ENST00000372600	ENSG00000136802	4641	0.08	0.34309
40	ENST00000372771	ENSG00000117000	1333	-0.22	0.01794
40	ENST00000372868	ENSG00000064205	8031	-0.54	6.33E-15
40	ENST00000372979	ENSG00000122882	998	-0.23	0.00923
40	ENST00000373023	ENSG00000204084	1222	-0.18	0.05939
40	ENST00000373030	ENSG00000101052	550	-0.07	0.68822
40	ENST00000373053	ENSG00000156026	910	-0.15	0.16044
40	ENST00000373165	ENSG00000147180	9	-0.26	NA
40	ENST00000373207	ENSG00000138316	12	-1.51	0.13302
40	ENST00000373210	ENSG00000134698	526	-0.37	0.00139
40	ENST00000373233	ENSG00000124177	2474	-0.19	0.00886
40	ENST00000373235	ENSG00000116819	14	-0.14	0.91723
40	ENST00000373257	ENSG00000132793	469	0.09	0.66890
40	ENST00000373275	ENSG00000165288	2110	0.14	0.10104
40	ENST00000373344	ENSG00000085224	5109	-0.18	0.02990
40	ENST00000373345	ENSG00000124143	9	-0.02	NA
40	ENST00000373365	ENSG00000124767	2996	-0.18	0.00762
40	ENST00000373479	ENSG00000112130	516	0.33	0.00497
40	ENST00000373493	ENSG00000162521	8497	-0.18	0.00893
40	ENST00000373510	ENSG00000160062	270	-0.25	0.19364
40	ENST00000373538	ENSG00000136933	1027	0.00	0.98631

40	ENST00000373545	ENSG00000067177	1205	-0.37	2.30E-06
40	ENST00000373563	ENSG00000204120	2188	0.00	0.99591
40	ENST00000373589	ENSG00000147099	644	-0.23	0.46047
40	ENST00000373644	ENSG00000138336	23	-0.55	0.48307
40	ENST00000373652	ENSG00000153832	62	-0.68	0.03750
40	ENST00000373664	ENSG00000080839	1635	-0.29	6.43E-05
40	ENST00000373789	ENSG00000182010	262	-0.10	0.63608
40	ENST00000373816	ENSG00000162419	743	-0.10	0.50226
40	ENST00000373827	ENSG00000151150	247	0.09	0.72430
40	ENST00000373830	ENSG00000180098	524	-0.50	8.36E-05
40	ENST00000373839	ENSG00000204138	1740	-0.86	4.03E-24
40	ENST00000373855	ENSG00000119397	1142	-0.02	0.94540
40	ENST00000373912	ENSG00000117748	1342	-0.17	0.05097
40	ENST00000373913	ENSG00000080845	1899	0.16	0.05344
40	ENST00000373930	ENSG00000106780	2978	-0.13	0.05719
40	ENST00000373954	ENSG00000009780	307	-0.47	0.00333
40	ENST00000374012	ENSG00000025293	2857	-0.22	0.00059
40	ENST00000374142	ENSG00000204160	630	0.10	0.53000
40	ENST00000374193	ENSG00000148225	133	-0.02	0.96948
40	ENST00000374222	ENSG00000158062	1179	-0.02	0.90254
40	ENST00000374380	ENSG00000101019	1101	-0.40	1.72E-08
40	ENST00000374479	ENSG00000179163	547	0.18	0.17652
40	ENST00000374492	ENSG00000088298	787	-0.06	0.74147
40	ENST00000374512	ENSG00000112511	537	0.01	0.96820
40	ENST00000374580	ENSG00000204217	3072	-1.38	1.01E-82
40	ENST00000374624	ENSG00000119328	491	0.05	0.81954
40	ENST00000374706	ENSG00000108100	1369	-0.14	0.07463
40	ENST00000375023	ENSG00000204301	14	-0.77	0.32963
40	ENST00000375077	ENSG00000106789	1442	-0.29	0.00027
40	ENST00000375098	ENSG00000106785	1650	-0.27	0.00021
40	ENST00000375213	ENSG00000091436	2356	-0.19	0.00763
40	ENST00000375300	ENSG00000160584	1342	0.04	0.73087
40	ENST00000375482	ENSG00000127084	17	1.10	0.14264
40	ENST00000375571	ENSG00000101367	4689	0.05	0.61368
40	ENST00000375587	ENSG00000188312	376	-1.79	5.65E-42
40	ENST00000375664	ENSG00000095787	3462	-0.17	0.01241
40	ENST00000375712	ENSG00000101350	3365	-0.28	3.34E-07
40	ENST00000375715	ENSG00000169071	2097	-0.57	3.03E-17
40	ENST00000375735	ENSG00000187240	1620	0.00	0.99248
40	ENST00000375759	ENSG00000065526	6692	0.09	0.22904
40	ENST00000375849	ENSG00000116138	1124	-0.24	0.01158
40	ENST00000375856	ENSG00000185950	7678	0.05	0.69959
40	ENST00000375915	ENSG00000204442	5	-2.43	NA
40	ENST00000375938	ENSG00000131044	8	0.60	NA
40	ENST00000375991	ENSG00000135070	1212	-0.13	0.29409
40	ENST00000376042	ENSG00000147082	8	-2.87	NA
40	ENST00000376104	ENSG00000150672	167	-0.26	0.28530
40	ENST00000376137	ENSG00000136754	969	-0.06	0.69164

40	ENST00000376236	ENSG00000077420	119	-0.27	0.43441
40	ENST00000376279	ENSG00000175198	528	-0.54	6.99E-05
40	ENST00000376355	ENSG00000125246	70	-1.32	0.00021
40	ENST00000376442	ENSG00000204560	1512	-0.11	0.17665
40	ENST00000376544	ENSG00000106829	413	-0.16	0.31276
40	ENST00000376705	ENSG00000185352	18	-1.66	0.01680
40	ENST00000376747	ENSG00000102595	1687	-0.33	0.00011
40	ENST00000376873	ENSG00000134873	6	-3.85	NA
40	ENST00000376874	ENSG00000188026	270	-0.33	0.04551
40	ENST00000376950	ENSG00000197779	525	0.02	0.92565
40	ENST00000377038	ENSG00000160049	2665	-0.44	8.61E-11
40	ENST00000377067	ENSG00000179399	841	-0.84	3.62E-15
40	ENST00000377071	ENSG00000089094	1411	-0.17	0.04525
40	ENST00000377252	ENSG00000120594	2758	-0.32	2.05E-06
40	ENST00000377263	ENSG00000178585	210	-0.44	0.03881
40	ENST00000377275	ENSG00000165997	1108	-0.12	0.37900
40	ENST00000377298	ENSG00000171603	11940	-0.38	6.63E-11
40	ENST00000377365	ENSG00000204767	185	-0.41	0.04759
40	ENST00000377656	ENSG00000106714	223	-0.38	0.07051
40	ENST00000377799	ENSG00000107614	362	-0.32	0.07182
40	ENST00000377833	ENSG00000107611	32	0.25	0.72167
40	ENST00000377918	ENSG00000118946	43	-0.10	0.87647
40	ENST00000377957	ENSG00000204923	37	0.29	0.65614
40	ENST00000378060	ENSG00000136100	1019	-0.08	0.56036
40	ENST00000378061	ENSG00000204947	15	-1.25	0.18306
40	ENST00000378079	ENSG00000204952	3	0.58	NA
40	ENST00000378164	ENSG00000064313	1488	-0.27	0.00035
40	ENST00000378214	ENSG00000137261	159	-0.40	0.06420
40	ENST00000378289	ENSG00000152457	519	-0.24	0.08463
40	ENST00000378295	ENSG00000078900	149	-0.26	0.30003
40	ENST00000378494	ENSG00000143919	173	-0.89	1.23E-05
40	ENST00000378653	ENSG00000165164	25	0.18	0.84452
40	ENST00000378785	ENSG00000215915	3	-1.43	NA
40	ENST00000378814	ENSG00000137177	3883	-0.36	1.96E-14
40	ENST00000378954	ENSG00000119787	1245	0.02	0.88566
40	ENST00000379028	ENSG00000091129	490	-1.66	1.82E-66
40	ENST00000379052	ENSG00000112183	19	0.70	0.31355
40	ENST00000379068	ENSG00000101868	4267	0.07	0.29734
40	ENST00000379186	ENSG00000165006	2196	-0.07	0.52407
40	ENST00000379214	ENSG00000205213	2224	0.17	0.01066
40	ENST00000379310	ENSG00000102763	1177	-0.11	0.33783
40	ENST00000379333	ENSG00000089057	717	-0.19	0.10778
40	ENST00000379509	ENSG00000172954	1683	0.02	0.89962
40	ENST00000379558	ENSG00000189350	81	-0.18	0.72897
40	ENST00000379565	ENSG00000177189	3636	-0.07	0.48755
40	ENST00000379643	ENSG00000184368	544	0.01	0.97146
40	ENST00000379705	ENSG00000133107	27	-0.65	0.32461
40	ENST00000379719	ENSG00000205339	13072	-0.24	3.83E-06

40	ENST00000379826	ENSG00000120693	552	-0.45	1.16E-05
40	ENST00000379980	ENSG00000133026	2225	-0.30	1.91E-05
40	ENST00000379982	ENSG00000164292	4972	-0.16	0.01168
40	ENST00000379992	ENSG00000174482	10	-2.47	NA
40	ENST00000380127	ENSG00000057608	5732	-0.12	0.07568
40	ENST00000380155	ENSG00000169895	2495	-0.26	0.00045
40	ENST00000380317	ENSG00000099385	760	0.26	0.03957
40	ENST00000380338	ENSG00000171843	1248	-0.06	0.73030
40	ENST00000380393	ENSG00000132670	950	-0.25	0.00461
40	ENST00000380486	ENSG00000157617	721	-0.52	6.21E-11
40	ENST00000380637	ENSG00000185437	2	-1.70	NA
40	ENST00000380639	ENSG00000049883	878	-0.34	0.00046
40	ENST00000380647	ENSG00000044459	1062	-0.02	0.93127
40	ENST00000380701	ENSG00000164989	113	-0.09	0.82921
40	ENST00000380815	ENSG00000112699	575	-0.61	3.20E-09
40	ENST00000380913	ENSG00000146950	24	-0.16	0.87012
40	ENST00000380934	ENSG00000147862	3044	0.20	0.00510
40	ENST00000380958	ENSG00000152520	805	-0.46	2.03E-05
40	ENST00000381055	ENSG00000049192	1453	-0.47	3.27E-06
40	ENST00000381070	ENSG00000153015	526	-0.14	0.43733
40	ENST00000381309	ENSG00000107077	1031	0.04	0.82654
40	ENST00000381318	ENSG00000205726	1800	-0.16	0.05207
40	ENST00000381414	ENSG00000103534	31	1.00	0.01962
40	ENST00000381466	ENSG00000205740	54	0.05	0.94443
40	ENST00000381624	ENSG00000174898	3	-2.24	NA
40	ENST00000381655	ENSG00000132932	5	0.49	NA
40	ENST00000381801	ENSG00000139505	963	-0.08	0.59933
40	ENST00000381897	ENSG00000035928	3421	0.14	0.07182
40	ENST00000381938	ENSG00000121895	109	0.24	0.52875
40	ENST00000381989	ENSG00000102699	3745	-0.15	0.03602
40	ENST00000382062	ENSG00000118004	5	0.47	NA
40	ENST00000382110	ENSG00000171853	1402	-0.02	0.87126
40	ENST00000382254	ENSG00000154162	31	-1.65	2.38E-05
40	ENST00000382303	ENSG00000107104	1172	-0.36	6.06E-05
40	ENST00000382381	ENSG00000167972	101	-0.97	0.00132
40	ENST00000382496	ENSG00000112902	2	-0.31	NA
40	ENST00000383314	ENSG00000101654	1737	-0.21	0.00176
40	ENST00000383408	ENSG00000154864	5973	-0.64	1.27E-42
40	ENST00000383463	ENSG00000183624	1008	-0.11	0.27996
40	ENST00000383472	ENSG00000088756	170	0.15	0.62265
40	ENST00000383699	ENSG00000175161	7	0.03	NA
40	ENST00000383703	ENSG00000144749	4601	-0.32	3.45E-12
40	ENST00000383768	ENSG00000206559	7	-0.60	NA
40	ENST00000383811	ENSG00000163703	23	-0.64	0.39182
40	ENST00000388781	ENSG00000091128	2	0.24	NA
40	ENST00000388996	ENSG00000184156	4	-3.35	NA
40	ENST00000389082	ENSG00000170456	3912	-0.79	1.67E-46
40	ENST00000389301	ENSG00000187741	2827	-0.46	2.92E-14

40	ENST00000389386	ENSG00000075399	193	0.10	0.70680
40	ENST00000389394	ENSG00000115423	4	-0.57	NA
40	ENST00000389484	ENSG00000168702	177	-2.16	6.61E-29
40	ENST00000389609	ENSG00000181982	25	-0.85	0.23265
40	ENST00000389641	ENSG00000176155	1905	-0.72	4.10E-17
40	ENST00000389658	ENSG00000101680	8173	-0.19	2.02E-06
40	ENST00000389672	ENSG00000080224	44	0.05	0.95258
40	ENST00000389794	ENSG00000143669	454	0.23	0.09575
40	ENST00000389840	ENSG00000187775	384	0.11	0.65020
40	ENST00000389915	ENSG00000152102	4029	-0.27	0.00031
40	ENST00000389934	ENSG00000121101	11	-0.11	NA
40	ENST00000389960	ENSG00000137501	39	0.07	0.93523
40	ENST00000391860	ENSG00000177614	66	0.05	0.91800
40	ENST00000392332	ENSG00000198130	685	-0.03	0.88408
40	ENST00000392370	ENSG00000064989	6	0.93	NA
40	ENST00000392403	ENSG00000116539	4968	-0.73	6.90E-33
40	ENST00000392476	ENSG00000129657	2203	-0.24	5.21E-05
40	ENST00000392521	ENSG00000122966	3170	-0.03	0.79981
40	ENST00000392650	ENSG00000069188	5	0.70	NA
40	ENST00000392745	ENSG00000131323	1436	-0.56	2.48E-16
40	ENST00000392782	ENSG00000123636	1451	-1.00	7.14E-22
40	ENST00000392793	ENSG00000109927	12	0.39	0.80807
40	ENST00000392837	ENSG00000111785	546	0.01	0.97906
40	ENST00000392870	ENSG00000198873	652	-0.21	0.09999
40	ENST00000392901	ENSG00000187164	1732	-0.02	0.89671
40	ENST00000393066	ENSG00000108395	1656	-0.29	6.93E-06
40	ENST00000393077	ENSG00000151532	702	-0.65	2.39E-12
40	ENST00000393094	ENSG00000166266	843	-0.19	0.05499
40	ENST00000393140	ENSG00000175785	2	0.19	NA
40	ENST00000393232	ENSG00000106459	608	-0.13	0.42358
40	ENST00000393295	ENSG00000240682	171	-0.05	0.90496
40	ENST00000393330	ENSG00000127324	335	0.97	5.84E-13
40	ENST00000393346	ENSG00000073921	5302	-0.06	0.53874
40	ENST00000393359	ENSG00000135966	1502	0.04	0.79607
40	ENST00000393446	ENSG00000004866	869	-0.30	0.00783
40	ENST00000393483	ENSG00000135951	32	-0.62	0.29339
40	ENST00000393487	ENSG00000071073	70	-0.88	0.00108
40	ENST00000393567	ENSG00000157423	5	1.27	NA
40	ENST00000393651	ENSG00000135250	1086	-0.58	1.03E-16
40	ENST00000393736	ENSG00000134533	675	-0.01	0.98019
40	ENST00000393743	ENSG00000137628	344	-0.44	0.00200
40	ENST00000393758	ENSG00000067840	97	-0.05	0.92469
40	ENST00000393784	ENSG00000113719	14668	-0.08	0.14808
40	ENST00000394071	ENSG00000156030	2658	0.11	0.12174
40	ENST00000394232	ENSG00000185518	130	-0.61	0.02049
40	ENST00000394235	ENSG00000109381	1270	-0.01	0.93435
40	ENST00000394253	ENSG00000164663	436	-0.44	0.00076
40	ENST00000394287	ENSG00000125686	4185	-0.03	0.70132

40	ENST00000394305	ENSG00000169599	284	-0.16	0.41687
40	ENST00000394417	ENSG00000169764	1578	0.11	0.29624
40	ENST00000394420	ENSG00000159579	996	0.11	0.32461
40	ENST00000394456	ENSG00000125651	1847	-0.09	0.35311
40	ENST00000394518	ENSG00000170776	6268	-0.20	7.73E-05
40	ENST00000394576	ENSG00000081853	9	0.09	NA
40	ENST00000394670	ENSG00000010244	4575	-0.13	0.12867
40	ENST00000394705	ENSG00000119737	66	0.36	0.44844
40	ENST00000394789	ENSG00000164037	5	0.52	NA
40	ENST00000394817	ENSG00000120725	972	-0.32	0.00184
40	ENST00000394854	ENSG00000138814	2418	-0.22	0.00034
40	ENST00000394968	ENSG00000140015	933	-0.67	3.66E-12
40	ENST00000395010	ENSG00000172731	312	-0.08	0.72897
40	ENST00000395184	ENSG00000138639	12	0.21	0.87400
40	ENST00000395211	ENSG00000136842	366	0.69	3.72E-05
40	ENST00000395246	ENSG00000158985	950	-0.33	0.00034
40	ENST00000395314	ENSG00000126777	6305	0.07	0.63543
40	ENST00000395347	ENSG00000165449	67	-0.30	0.39178
40	ENST00000395395	ENSG00000175787	156	-0.12	0.73547
40	ENST00000395407	ENSG00000137819	150	0.75	0.00035
40	ENST00000395477	ENSG00000165238	471	-0.13	0.50743
40	ENST00000395491	ENSG00000034152	2173	-0.09	0.44240
40	ENST00000395527	ENSG00000128487	10546	-0.19	3.55E-06
40	ENST00000395611	ENSG00000107643	535	-0.33	0.00503
40	ENST00000395726	ENSG00000108591	1645	-0.01	0.97571
40	ENST00000395734	ENSG00000047849	8816	-0.55	6.06E-34
40	ENST00000395745	ENSG00000132153	5615	0.03	0.77004
40	ENST00000395863	ENSG00000101144	182	-0.70	3.51E-05
40	ENST00000395891	ENSG00000002746	64	-0.62	0.05593
40	ENST00000395925	ENSG00000106571	1222	0.27	0.00114
40	ENST00000395957	ENSG00000164924	17764	0.13	0.01320
40	ENST00000395965	ENSG00000113391	999	-0.46	2.98E-08
40	ENST00000396039	ENSG00000124171	291	-0.20	0.36386
40	ENST00000396049	ENSG00000114978	3081	-0.08	0.48100
40	ENST00000396153	ENSG00000185104	2131	-0.80	8.50E-43
40	ENST00000396193	ENSG00000154678	370	0.70	1.02E-08
40	ENST00000396299	ENSG00000146592	475	0.01	0.97571
40	ENST00000396328	ENSG00000166415	378	0.07	0.80794
40	ENST00000396356	ENSG00000110693	31	-0.27	0.68454
40	ENST00000396373	ENSG00000139083	947	-0.24	0.01526
40	ENST00000396496	ENSG00000183323	666	-0.69	4.13E-13
40	ENST00000396512	ENSG00000100412	3940	-0.24	0.00037
40	ENST00000396556	ENSG00000144645	2147	-0.39	4.61E-11
40	ENST00000396559	ENSG00000166669	93	-0.55	0.06282
40	ENST00000396594	ENSG00000159921	1452	-0.01	0.97139
40	ENST00000396604	ENSG00000166478	554	-0.02	0.92116
40	ENST00000396625	ENSG00000081052	3662	-0.61	6.61E-29
40	ENST00000396652	ENSG00000171243	8	-1.47	NA

40	ENST00000396679	ENSG00000123219	1011	-0.41	0.00021
40	ENST00000396703	ENSG00000182247	395	-0.39	0.00387
40	ENST00000396721	ENSG00000170786	14	0.99	0.23858
40	ENST00000396741	ENSG00000008256	1219	-0.16	0.08941
40	ENST00000396865	ENSG00000177058	663	-0.22	0.12508
40	ENST00000397053	ENSG00000151461	1207	-0.09	0.51915
40	ENST00000397146	ENSG00000123243	4	-0.84	NA
40	ENST00000397176	ENSG00000065675	4	-1.12	NA
40	ENST00000397195	ENSG00000007168	6069	-0.35	8.10E-12
40	ENST00000397261	ENSG00000241553	2335	-0.08	0.60321
40	ENST00000397350	ENSG00000124523	242	-0.78	2.69E-06
40	ENST00000397457	ENSG00000188428	222	-0.32	0.10928
40	ENST00000397560	ENSG00000006459	232	-0.20	0.41072
40	ENST00000397601	ENSG00000139793	1423	0.19	0.04338
40	ENST00000397622	ENSG00000146842	2043	0.02	0.89789
40	ENST00000397682	ENSG00000160298	970	-0.18	0.12540
40	ENST00000397747	ENSG00000197646	3	-1.18	NA
40	ENST00000397786	ENSG00000108510	5041	-0.55	4.00E-22
40	ENST00000397809	ENSG00000173588	589	-0.05	0.87199
40	ENST00000397906	ENSG00000100154	1701	-1.46	#####
40	ENST00000397910	ENSG00000181143	15666	0.11	0.56441
40	ENST00000398027	ENSG00000078487	25	-0.16	0.87976
40	ENST00000398052	ENSG00000125388	106	-0.22	0.53632
40	ENST00000398119	ENSG00000102786	1483	0.07	0.58143
40	ENST00000398155	ENSG00000086712	1203	-0.33	0.00038
40	ENST00000398250	ENSG00000203805	7	-0.56	NA
40	ENST00000398571	ENSG00000115464	5332	-0.32	2.57E-07
40	ENST00000398587	ENSG00000253873	28	-0.33	0.63865
40	ENST00000398594	ENSG00000254122	35	-0.65	0.29527
40	ENST00000398600	ENSG00000157601	124	-1.08	1.52E-05
40	ENST00000398604	ENSG00000253767	18	-0.01	0.99534
40	ENST00000398610	ENSG00000253846	88	0.20	0.59369
40	ENST00000398958	ENSG00000180198	3509	0.03	0.71407
40	ENST00000399034	ENSG00000122545	3521	-0.06	0.60925
40	ENST00000399151	ENSG00000142197	168	-0.12	0.69626
40	ENST00000399201	ENSG00000185917	421	0.01	0.96671
40	ENST00000399231	ENSG00000197535	1794	-0.33	1.24E-06
40	ENST00000399273	ENSG00000170160	9	-2.52	NA
40	ENST00000399351	ENSG00000177054	464	-0.02	0.93835
40	ENST00000399362	ENSG00000163539	2033	-0.50	1.06E-12
40	ENST00000399391	ENSG00000188162	129	0.34	0.30841
40	ENST00000399408	ENSG00000103222	9470	-0.19	5.51E-05
40	ENST00000399429	ENSG00000215018	2	-3.19	NA
40	ENST00000399451	ENSG00000206560	2450	-0.07	0.48292
40	ENST00000399503	ENSG00000095015	767	0.01	0.93972
40	ENST00000399767	ENSG00000015475	478	-0.68	2.96E-06
40	ENST00000399799	ENSG00000067900	2708	-0.06	0.48755
40	ENST00000399820	ENSG00000157796	633	-0.64	7.69E-11

40	ENST00000399881	ENSG00000215262	16	-0.38	0.67599
40	ENST00000400100	ENSG00000128739	75	-0.38	0.28360
40	ENST00000400183	ENSG00000155313	1190	-0.15	0.17137
40	ENST00000400206	ENSG00000283900	6	-0.33	NA
40	ENST00000400301	ENSG00000090686	2982	0.24	0.00064
40	ENST00000400324	ENSG00000139734	2417	-0.49	1.35E-13
40	ENST00000400331	ENSG00000183742	7	1.74	NA
40	ENST00000400345	ENSG00000049759	1976	-0.77	4.58E-37
40	ENST00000400358	ENSG00000167037	4	-0.07	NA
40	ENST00000400485	ENSG00000159256	529	0.07	0.72370
40	ENST00000400522	ENSG00000215529	5	-1.08	NA
40	ENST00000400546	ENSG00000154654	115	-0.73	0.01127
40	ENST00000400585	ENSG00000099954	4	-1.54	NA
40	ENST00000401000	ENSG00000163125	2758	-0.18	0.00844
40	ENST00000401604	ENSG00000185532	7	-1.24	NA
40	ENST00000401642	ENSG00000184178	603	-0.57	2.25E-08
40	ENST00000402655	ENSG00000186153	70	-0.80	0.00757
40	ENST00000402676	ENSG00000131016	11520	-0.23	0.00370
40	ENST00000402738	ENSG00000138641	29	-0.18	0.82749
40	ENST00000403299	ENSG00000100065	1593	0.34	0.00282
40	ENST00000403625	ENSG00000069020	1016	-0.26	0.00379
40	ENST00000403681	ENSG00000149948	244	-1.72	1.86E-32
40	ENST00000403733	ENSG00000151718	2752	0.07	0.42797
40	ENST00000403766	ENSG00000134882	1472	0.02	0.91342
40	ENST00000404460	ENSG00000115762	2162	-0.34	2.95E-06
40	ENST00000404826	ENSG00000146555	116	-1.59	1.34E-09
40	ENST00000404875	ENSG00000130714	1987	-0.41	7.90E-08
40	ENST00000405015	ENSG00000115504	1052	-0.23	0.06262
40	ENST00000405546	ENSG00000168397	1277	-0.08	0.51923
40	ENST00000405592	ENSG00000057935	752	-0.14	0.15400
40	ENST00000405709	ENSG00000184903	426	-1.15	7.02E-17
40	ENST00000406117	ENSG00000100344	263	-0.02	0.96690
40	ENST00000406427	ENSG00000130653	80	-0.71	0.04413
40	ENST00000406470	ENSG00000003147	73	-0.02	0.97938
40	ENST00000406477	ENSG00000188677	1437	-0.54	5.22E-15
40	ENST00000406486	ENSG00000197077	4006	-0.24	3.51E-06
40	ENST00000406610	ENSG00000116117	339	-1.49	1.08E-29
40	ENST00000406697	ENSG00000182326	774	0.02	0.89624
40	ENST00000406949	ENSG00000126773	1599	-0.19	0.08073
40	ENST00000406961	ENSG00000084676	511	-0.30	0.05898
40	ENST00000406979	ENSG00000144451	375	0.14	0.49330
40	ENST00000407008	ENSG00000087095	639	-0.40	5.85E-05
40	ENST00000407010	ENSG00000214960	42	-0.24	0.73888
40	ENST00000407071	ENSG00000162849	29	-3.26	1.07E-10
40	ENST00000407149	ENSG00000184838	13	0.78	0.47967
40	ENST00000407426	ENSG00000163811	2333	0.02	0.84655
40	ENST00000407558	ENSG00000122390	1184	-0.10	0.34633
40	ENST00000407835	ENSG00000093009	1360	-0.74	7.69E-22

40	ENST00000408903	ENSG00000171444	1037	-0.45	2.66E-07
40	ENST00000408927	ENSG00000138698	1215	-0.26	0.00670
40	ENST00000408931	ENSG00000164532	126	0.03	0.93853
40	ENST00000409039	ENSG00000197653	5	0.71	NA
40	ENST00000409061	ENSG00000157999	3	0.58	NA
40	ENST00000409078	ENSG00000074054	2879	-0.10	0.17090
40	ENST00000409085	ENSG00000115977	1673	-0.20	0.01269
40	ENST00000409190	ENSG00000162520	340	-0.45	0.00439
40	ENST00000409198	ENSG00000183091	18	-0.21	0.85571
40	ENST00000409261	ENSG00000176771	1017	-0.33	0.00228
40	ENST00000409262	ENSG00000187605	2245	-0.10	0.37186
40	ENST00000409402	ENSG00000134278	1316	-0.20	0.01704
40	ENST00000409404	ENSG00000165323	159	-2.36	4.94E-31
40	ENST00000409418	ENSG00000137478	627	-0.38	0.00015
40	ENST00000409508	ENSG00000105877	11	0.54	NA
40	ENST00000409645	ENSG00000152127	2939	-0.25	2.41E-05
40	ENST00000409705	ENSG00000115514	637	-0.04	0.80787
40	ENST00000409746	ENSG00000152229	382	-0.04	0.89541
40	ENST00000409792	ENSG00000181555	4698	-0.18	0.00317
40	ENST00000409798	ENSG00000163002	500	0.00	0.98704
40	ENST00000409914	ENSG00000196604	103	-0.55	0.08665
40	ENST00000409931	ENSG00000167202	1413	0.02	0.88262
40	ENST00000410040	ENSG00000115604	430	-0.02	0.92009
40	ENST00000410066	ENSG00000144331	26	-0.14	0.87421
40	ENST00000410075	ENSG00000075292	4276	0.06	0.65261
40	ENST00000411426	ENSG00000189057	2023	-0.06	0.63748
40	ENST00000411863	ENSG00000178665	84	-0.28	0.38748
40	ENST00000411990	ENSG00000123836	1132	-0.02	0.93036
40	ENST00000412232	ENSG00000020181	417	-0.45	0.00339
40	ENST00000412512	ENSG00000116396	398	-0.08	0.72554
40	ENST00000412830	ENSG00000136045	1246	-0.06	0.68822
40	ENST00000413209	ENSG00000186575	4352	0.01	0.90323
40	ENST00000413366	ENSG00000154229	4321	-0.68	2.94E-21
40	ENST00000413393	ENSG00000166974	1292	0.14	0.17002
40	ENST00000413464	ENSG00000148840	3076	-0.12	0.11546
40	ENST00000413764	ENSG00000054392	64	-0.54	0.13221
40	ENST00000414097	ENSG00000104419	2708	0.17	0.17855
40	ENST00000414318	ENSG00000131374	959	-0.92	1.13E-25
40	ENST00000414443	ENSG00000184182	121	-0.14	0.71392
40	ENST00000414645	ENSG00000156162	941	-0.38	0.00011
40	ENST00000415009	ENSG00000155034	1900	-0.24	0.00053
40	ENST00000415149	ENSG00000114439	4385	-0.08	0.34633
40	ENST00000415447	ENSG00000100280	4191	0.13	0.09115
40	ENST00000415654	ENSG00000243716	130	-0.30	0.45866
40	ENST00000415766	ENSG00000102904	12	0.13	0.91937
40	ENST00000415905	ENSG00000119414	2109	0.04	0.70451
40	ENST00000416240	ENSG00000004864	2477	-0.22	0.00249
40	ENST00000416431	ENSG00000146215	7	0.61	NA

40	ENST00000416614	ENSG00000087269	1965	0.11	0.37308
40	ENST00000416671	ENSG00000183765	652	0.03	0.84932
40	ENST00000416849	ENSG00000059377	45	-0.22	0.72167
40	ENST00000416984	ENSG00000104299	506	0.16	0.31963
40	ENST00000417172	ENSG00000122786	4771	-0.11	0.21139
40	ENST00000417641	ENSG00000028116	816	-0.12	0.41921
40	ENST00000418170	ENSG00000100281	1307	-0.30	0.00049
40	ENST00000418234	ENSG00000104881	2363	0.03	0.89037
40	ENST00000418310	ENSG00000106683	1713	-0.13	0.15653
40	ENST00000418814	ENSG00000082269	499	-0.13	0.34815
40	ENST00000419016	ENSG00000086065	2211	0.14	0.05984
40	ENST00000419735	ENSG00000146776	310	-0.26	0.22838
40	ENST00000419967	ENSG00000105618	2777	-0.43	3.10E-11
40	ENST00000420455	ENSG00000142188	303	-0.28	0.11301
40	ENST00000420542	ENSG00000117461	931	-0.20	0.09086
40	ENST00000420765	ENSG00000168781	648	0.08	0.63206
40	ENST00000420826	ENSG00000188612	2103	0.17	0.04606
40	ENST00000421184	ENSG00000015413	4	-1.68	NA
40	ENST00000421544	ENSG00000164418	886	0.23	0.03771
40	ENST00000421630	ENSG00000274386	5	-1.71	NA
40	ENST00000421745	ENSG00000115760	7161	-0.38	3.52E-10
40	ENST00000421802	ENSG00000159128	895	0.13	0.32400
40	ENST00000422365	ENSG00000178460	5	0.13	NA
40	ENST00000422377	ENSG00000009413	1871	-0.31	0.00230
40	ENST00000422809	ENSG00000156273	1940	0.07	0.51744
40	ENST00000422945	ENSG00000078304	3077	-0.13	0.08433
40	ENST00000423462	ENSG00000165983	440	-0.12	0.60361
40	ENST00000423698	ENSG00000012061	1677	-0.30	0.00012
40	ENST00000423760	ENSG00000106443	1635	-0.21	0.02387
40	ENST00000424526	ENSG00000141449	1009	-0.75	1.31E-13
40	ENST00000424834	ENSG00000182957	233	-0.23	0.36087
40	ENST00000424843	ENSG00000147650	502	-0.08	0.68888
40	ENST00000425013	ENSG00000011275	1923	-0.19	0.00251
40	ENST00000425146	ENSG00000077264	16	-0.29	0.79531
40	ENST00000425248	ENSG00000158623	812	-0.31	0.00110
40	ENST00000426335	ENSG00000149182	3277	0.12	0.21041
40	ENST00000426480	ENSG00000144381	24177	0.05	0.66518
40	ENST00000426508	ENSG00000187535	1044	-0.51	2.84E-11
40	ENST00000426518	ENSG00000114026	1041	-0.26	0.00136
40	ENST00000426654	ENSG00000102908	1423	-0.24	0.04314
40	ENST00000426664	ENSG00000172765	796	-0.37	0.00039
40	ENST00000426755	ENSG00000163964	534	0.10	0.55301
40	ENST00000426851	ENSG00000197024	710	0.01	0.98090
40	ENST00000426972	ENSG00000153904	883	-0.20	0.01731
40	ENST00000427067	ENSG00000136960	4	-1.96	NA
40	ENST00000427836	ENSG00000178385	1058	-0.12	0.30609
40	ENST00000427926	ENSG00000070371	1218	-0.71	2.02E-10
40	ENST00000428670	ENSG00000070961	3862	0.23	0.00032

40	ENST00000428675	ENSG00000115896	65	-0.38	0.40235
40	ENST00000428762	ENSG00000189056	20	1.81	0.00624
40	ENST00000429027	ENSG00000052126	2738	-0.28	0.00425
40	ENST00000429436	ENSG00000075413	1947	-0.51	2.86E-13
40	ENST00000430046	ENSG00000157107	661	-0.09	0.55681
40	ENST00000430249	ENSG00000021826	33084	-0.10	0.01403
40	ENST00000430935	ENSG00000105948	488	-0.22	0.21249
40	ENST00000431330	ENSG00000170445	2497	-0.13	0.10396
40	ENST00000431473	ENSG00000177181	34	-0.70	0.18891
40	ENST00000431666	ENSG00000125505	2847	-0.22	0.00500
40	ENST00000431818	ENSG00000163913	1469	-0.19	0.02280
40	ENST00000432328	ENSG00000179715	60	-1.08	0.00204
40	ENST00000432334	ENSG00000132669	707	0.03	0.91024
40	ENST00000432416	ENSG00000144401	525	-0.03	0.89841
40	ENST00000432641	ENSG00000196636	310	0.02	0.94557
40	ENST00000432747	ENSG00000005020	430	-0.60	1.69E-06
40	ENST00000432802	ENSG00000154930	7	-0.32	NA
40	ENST00000432825	ENSG00000147912	129	-0.36	0.20600
40	ENST00000432907	ENSG00000160199	781	-0.31	0.00086
40	ENST00000433011	ENSG00000196440	276	-0.64	3.64E-06
40	ENST00000433154	ENSG00000249961	3	-0.02	NA
40	ENST00000433239	ENSG00000106013	3	-1.77	NA
40	ENST00000433700	ENSG00000096872	150	-0.28	0.30798
40	ENST00000434592	ENSG00000004534	1407	-0.45	5.21E-08
40	ENST00000435030	ENSG00000168280	69	-0.34	0.37215
40	ENST00000435041	ENSG00000198833	1427	0.14	0.15084
40	ENST00000435323	ENSG00000166979	1669	-0.25	0.00022
40	ENST00000435336	ENSG00000106266	1218	0.08	0.51744
40	ENST00000435420	ENSG00000118961	532	-0.09	0.56997
40	ENST00000435532	ENSG00000069869	935	-0.20	0.03095
40	ENST00000435564	ENSG00000115252	100	0.40	0.17942
40	ENST00000435803	ENSG00000179869	51	0.23	0.74447
40	ENST00000435956	ENSG00000161558	284	-0.30	0.09592
40	ENST00000436008	ENSG00000137266	282	-0.85	2.08E-07
40	ENST00000436265	ENSG00000183066	21	-0.01	0.99218
40	ENST00000436367	ENSG00000124788	1349	0.01	0.95839
40	ENST00000436443	ENSG00000178568	356	-1.74	8.65E-26
40	ENST00000436535	ENSG00000187595	1	-1.24	NA
40	ENST00000436556	ENSG00000158552	381	0.26	0.21766
40	ENST00000436575	ENSG00000164535	1120	0.10	0.44324
40	ENST00000436817	ENSG00000156515	2831	-0.09	0.17648
40	ENST00000437219	ENSG00000167716	2655	-0.21	0.02632
40	ENST00000437398	ENSG00000100014	414	-0.14	0.50225
40	ENST00000437504	ENSG00000132623	275	0.34	0.03757
40	ENST00000437600	ENSG00000257923	11499	-0.69	6.59E-52
40	ENST00000437932	ENSG00000163110	4040	-0.12	0.02943
40	ENST00000438146	ENSG00000100320	3423	0.00	0.97538
40	ENST00000438284	ENSG00000196639	739	-0.05	0.74628

40	ENST00000438321	ENSG00000163808	1491	-0.24	0.00187
40	ENST00000438447	ENSG00000133401	1112	-0.22	0.01560
40	ENST00000438724	ENSG00000139746	3124	0.07	0.48529
40	ENST00000438796	ENSG00000186001	1226	-0.32	0.00185
40	ENST00000439040	ENSG00000133657	6692	0.05	0.54388
40	ENST00000439055	ENSG00000153093	3	0.60	NA
40	ENST00000439275	ENSG00000115963	1943	0.23	0.01860
40	ENST00000439617	ENSG00000162946	22	-1.41	0.02243
40	ENST00000440575	ENSG00000081087	942	-0.64	1.98E-14
40	ENST00000441595	ENSG00000150054	107	0.28	0.38462
40	ENST00000442448	ENSG00000157554	206	-0.71	1.68E-05
40	ENST00000443700	ENSG00000152056	507	-0.24	0.06433
40	ENST00000443967	ENSG00000170085	328	0.15	0.46278
40	ENST00000444457	ENSG00000105819	1962	-0.14	0.18508
40	ENST00000444746	ENSG00000080345	7406	-0.07	0.50889
40	ENST00000444766	ENSG00000108506	850	-0.18	0.08711
40	ENST00000445597	ENSG00000185842	428	0.10	0.65969
40	ENST00000445716	ENSG00000234545	365	-0.24	0.18979
40	ENST00000446165	ENSG00000173875	865	0.07	0.56201
40	ENST00000446231	ENSG00000157106	7849	-0.23	8.09E-06
40	ENST00000446284	ENSG00000119321	1895	0.09	0.19300
40	ENST00000446378	ENSG00000164309	84	-0.71	0.04278
40	ENST00000446394	ENSG00000165338	1468	-0.23	0.06039
40	ENST00000446828	ENSG00000073803	477	-0.06	0.78165
40	ENST00000446896	ENSG00000162980	963	-0.34	0.00321
40	ENST00000447063	ENSG00000250305	8	-0.29	NA
40	ENST00000447079	ENSG00000167258	4591	-0.05	0.55866
40	ENST00000448002	ENSG00000161040	84	-0.34	0.38399
40	ENST00000448083	ENSG00000175592	182	0.42	0.07864
40	ENST00000448225	ENSG00000163412	71	0.33	0.43669
40	ENST00000448504	ENSG00000141337	507	-0.85	5.31E-16
40	ENST00000448525	ENSG00000103249	4894	-0.16	0.09882
40	ENST00000448552	ENSG00000168802	18	0.59	0.52799
40	ENST00000448612	ENSG00000184465	737	-0.42	0.00066
40	ENST00000448775	ENSG00000166250	896	-0.75	2.33E-22
40	ENST00000449131	ENSG00000167995	77	0.22	0.60270
40	ENST00000449552	ENSG00000108448	2384	-0.30	1.41E-06
40	ENST00000449592	ENSG00000188735	781	-1.30	4.60E-37
40	ENST00000449802	ENSG00000144426	1799	-0.51	3.88E-09
40	ENST00000450536	ENSG00000135597	764	0.08	0.58969
40	ENST00000450593	ENSG00000168243	13	-0.65	0.49064
40	ENST00000450689	ENSG00000164659	755	-0.29	0.00160
40	ENST00000450716	ENSG00000114279	576	-0.50	9.70E-07
40	ENST00000450761	ENSG00000134986	1303	0.24	0.00522
40	ENST00000451246	ENSG00000180822	473	0.01	0.97906
40	ENST00000451320	ENSG00000164144	732	0.02	0.92747
40	ENST00000451479	ENSG00000100036	299	-0.08	0.77503
40	ENST00000451613	ENSG00000157426	296	-0.32	0.07742

40	ENST00000451677	ENSG00000152464	367	0.28	0.10617
40	ENST00000452510	ENSG00000145833	4024	-0.16	0.04312
40	ENST00000452825	ENSG00000126012	6501	0.02	0.84045
40	ENST00000453026	ENSG00000223960	481	-0.19	0.26640
40	ENST00000453304	ENSG00000182168	18	-1.49	0.01833
40	ENST00000454872	ENSG00000177694	34	-0.81	0.11439
40	ENST00000455490	ENSG00000242852	4	-0.50	NA
40	ENST00000455511	ENSG00000196510	1604	-0.41	1.43E-11
40	ENST00000455611	ENSG00000164164	2224	0.07	0.55488
40	ENST00000456357	ENSG00000164713	1494	0.16	0.26887
40	ENST00000456935	ENSG00000104774	684	-0.30	0.00272
40	ENST00000457542	ENSG00000137802	1737	-0.12	0.21113
40	ENST00000457734	ENSG00000120756	262	-0.20	0.36691
40	ENST00000457812	ENSG00000173166	3131	-0.05	0.67557
40	ENST00000458578	ENSG00000185651	2051	-0.15	0.11183
40	ENST00000458591	ENSG00000092108	1099	-0.14	0.26916
40	ENST00000458657	ENSG00000198520	29	-0.71	0.25351
40	ENST00000460522	ENSG00000143353	232	-0.25	0.40702
40	ENST00000460723	ENSG00000241878	719	-0.06	0.70289
40	ENST00000460843	ENSG00000181090	4809	-0.15	0.00487
40	ENST00000461557	ENSG00000117395	2248	0.07	0.54319
40	ENST00000461783	ENSG00000146426	99	0.19	0.65325
40	ENST00000461985	ENSG00000158825	640	0.07	0.62848
40	ENST00000462718	ENSG00000165568	6	-0.54	NA
40	ENST00000463448	ENSG00000137210	503	0.10	0.59059
40	ENST00000463469	ENSG00000204634	896	-0.44	3.58E-08
40	ENST00000463477	ENSG00000153707	78	-0.63	0.04168
40	ENST00000463670	ENSG00000163472	227	-0.22	0.32794
40	ENST00000463747	ENSG00000136240	6035	-0.18	0.00252
40	ENST00000464233	ENSG00000169855	7619	0.27	1.09E-08
40	ENST00000464588	ENSG00000162415	211	-0.38	0.12574
40	ENST00000465385	ENSG00000099953	83	-0.24	0.63706
40	ENST00000466232	ENSG00000005486	1954	0.26	0.00111
40	ENST00000467509	ENSG00000162600	140	-0.19	0.62520
40	ENST00000468220	ENSG00000113946	253	-2.48	9.94E-60
40	ENST00000468435	ENSG00000147854	2260	-0.17	0.02769
40	ENST00000468542	ENSG00000213186	169	-0.27	0.32473
40	ENST00000468573	ENSG00000133019	126	0.10	0.73795
40	ENST00000468748	ENSG00000145191	1431	-0.02	0.89354
40	ENST00000469143	ENSG00000213551	1595	0.02	0.88769
40	ENST00000469902	ENSG00000221955	295	0.46	0.00045
40	ENST00000470096	ENSG00000115998	244	-0.08	0.81954
40	ENST00000470180	ENSG00000143612	6832	-0.23	0.00043
40	ENST00000471181	ENSG00000012048	3510	-0.18	0.00844
40	ENST00000471642	ENSG00000132676	2241	-0.68	2.42E-30
40	ENST00000471714	ENSG00000154175	32	0.42	0.49254
40	ENST00000472403	ENSG00000180336	5	-1.61	NA
40	ENST00000472413	ENSG00000183426	238	-0.41	0.02949

40	ENST00000472470	ENSG00000105971	824	0.30	0.01468
40	ENST00000472531	ENSG00000196418	576	-1.11	2.94E-25
40	ENST00000472748	ENSG00000115840	866	0.02	0.89166
40	ENST00000473755	ENSG00000154743	784	-0.50	1.66E-07
40	ENST00000473989	ENSG00000157741	1965	-0.10	0.29417
40	ENST00000474524	ENSG00000144893	14	-0.26	0.82777
40	ENST00000474602	ENSG00000081377	400	-0.49	0.00022
40	ENST00000474759	ENSG00000157445	996	-0.94	3.36E-23
40	ENST00000474805	ENSG00000204977	386	0.13	0.51934
40	ENST00000474889	ENSG00000144724	96	-1.66	1.84E-15
40	ENST00000474957	ENSG00000137941	591	-0.36	0.00259
40	ENST00000475045	ENSG00000159216	1455	-0.09	0.33035
40	ENST00000475057	ENSG00000196284	130	-0.72	0.00184
40	ENST00000475184	ENSG00000150093	16952	0.15	0.01641
40	ENST00000475866	ENSG00000176092	38	0.37	0.49882
40	ENST00000475975	ENSG00000187860	85	-0.13	0.82294
40	ENST00000476719	ENSG00000165695	13	-0.06	0.95996
40	ENST00000476842	ENSG00000168273	122	0.32	0.28072
40	ENST00000479212	ENSG00000178075	76	0.22	0.58650
40	ENST00000481247	ENSG00000183826	268	-0.72	2.33E-07
40	ENST00000482491	ENSG00000143748	1011	-0.23	0.00392
40	ENST00000482614	ENSG00000107371	538	0.14	0.24218
40	ENST00000483649	ENSG00000204147	362	-0.10	0.64679
40	ENST00000483862	ENSG00000157224	723	0.03	0.89465
40	ENST00000485250	ENSG00000136243	842	-0.67	3.73E-10
40	ENST00000485419	ENSG00000283154	207	-0.25	0.41988
40	ENST00000485760	ENSG00000173406	633	0.15	0.28424
40	ENST00000486442	ENSG00000119771	469	-0.21	0.15653
40	ENST00000486911	ENSG00000155621	402	0.12	0.57530
40	ENST00000486921	ENSG00000082482	27	0.01	0.98783
40	ENST00000487096	ENSG00000116221	4969	-0.03	0.77056
40	ENST00000487099	ENSG00000148200	213	-0.81	2.01E-06
40	ENST00000487159	ENSG00000182606	1819	-0.12	0.21061
40	ENST00000487694	ENSG00000185008	377	-0.41	0.00024
40	ENST00000487863	ENSG00000198482	522	0.08	0.67386
40	ENST00000488625	ENSG00000148516	913	-0.53	1.59E-07
40	ENST00000488683	ENSG00000169504	5996	-0.20	0.00285
40	ENST00000488834	ENSG00000124783	7927	0.05	0.50226
40	ENST00000489671	ENSG00000114126	1213	-0.62	4.43E-09
40	ENST00000489738	ENSG00000135241	1110	0.04	0.77392
40	ENST00000490508	ENSG00000115459	260	-0.49	0.00123
40	ENST00000490798	ENSG00000101104	800	-0.10	0.52479
40	ENST00000491853	ENSG00000143294	2705	0.08	0.48539
40	ENST00000491959	ENSG00000170044	2	-3.65	NA
40	ENST00000492026	ENSG00000119636	124	-0.20	0.48822
40	ENST00000492039	ENSG00000243667	123	-0.14	0.65512
40	ENST00000492230	ENSG00000177599	8	0.93	NA
40	ENST00000492590	ENSG00000189283	34	-1.41	0.00561

40	ENST00000492597	ENSG00000078070	567	-0.60	1.52E-09
40	ENST00000492661	ENSG00000196549	71	0.43	0.32145
40	ENST00000493536	ENSG00000163597	4244	-0.07	0.29739
40	ENST00000493964	ENSG00000142609	5	-0.07	NA
40	ENST00000494598	ENSG00000114805	11	-2.59	NA
40	ENST00000495075	ENSG00000175110	750	-0.07	0.62131
40	ENST00000496384	ENSG00000157764	1095	-0.55	4.58E-08
40	ENST00000496455	ENSG00000163655	4333	-0.09	0.26332
40	ENST00000496728	ENSG00000166925	1244	0.25	0.02572
40	ENST00000497424	ENSG00000125779	1001	-0.04	0.77640
40	ENST00000497599	ENSG00000171121	105	-0.34	0.25694
40	ENST00000498165	ENSG00000163590	438	-1.00	7.69E-22
40	ENST00000498272	ENSG00000116205	565	-0.05	0.83953
40	ENST00000498289	ENSG00000000460	820	0.00	0.99704
40	ENST00000498382	ENSG00000143786	17	-0.80	0.31822
40	ENST00000502161	ENSG00000245573	78	0.13	0.81810
40	ENST00000502459	ENSG00000138640	1053	0.07	0.59918
40	ENST00000503008	ENSG00000145416	63	-1.69	5.84E-06
40	ENST00000503039	ENSG00000113761	805	-0.47	2.01E-06
40	ENST00000503283	ENSG00000186010	56	-0.16	0.77878
40	ENST00000503650	ENSG00000251574	8	2.37	NA
40	ENST00000504273	ENSG00000109762	596	-0.20	0.14752
40	ENST00000504352	ENSG00000132570	483	-0.49	4.73E-05
40	ENST00000504381	ENSG00000017260	3518	0.13	0.05430
40	ENST00000504592	ENSG00000153064	130	0.45	0.09842
40	ENST00000504652	ENSG00000145041	2190	-0.33	1.38E-09
40	ENST00000505306	ENSG00000005884	9029	-0.31	1.77E-10
40	ENST00000506087	ENSG00000170088	558	-0.25	0.08893
40	ENST00000506583	ENSG00000109667	21	0.21	0.79512
40	ENST00000506823	ENSG00000174473	30	-0.35	0.66656
40	ENST00000506886	ENSG00000196104	23	-0.50	0.53632
40	ENST00000506997	ENSG00000153037	324	0.00	0.99465
40	ENST00000508053	ENSG00000138829	3419	-0.08	0.42454
40	ENST00000508235	ENSG00000063978	2519	0.00	0.98783
40	ENST00000508366	ENSG00000205464	67	-0.29	0.48755
40	ENST00000508775	ENSG00000026297	123	-0.40	0.27241
40	ENST00000508780	ENSG00000173221	673	0.27	0.00766
40	ENST00000508803	ENSG00000109685	7474	-0.22	2.09E-08
40	ENST00000508883	ENSG00000078795	6	-0.07	NA
40	ENST00000509093	ENSG00000138663	686	0.05	0.79987
40	ENST00000509104	ENSG00000113389	9795	-0.18	0.00017
40	ENST00000509176	ENSG00000184305	197	-0.52	0.00583
40	ENST00000509479	ENSG00000196782	807	-0.65	6.25E-15
40	ENST00000509702	ENSG00000109819	663	-0.62	1.28E-07
40	ENST00000510118	ENSG00000071242	2597	-0.19	0.00219
40	ENST00000510520	ENSG00000145491	21	0.12	0.91673
40	ENST00000510961	ENSG00000138792	4	0.00	NA
40	ENST00000511181	ENSG00000049860	4196	-0.48	2.67E-16

40	ENST00000511217	ENSG00000156463	235	0.50	0.01228
40	ENST00000511449	ENSG00000173542	1104	-0.08	0.66062
40	ENST00000511642	ENSG00000112576	5091	-0.13	0.26574
40	ENST00000511685	ENSG00000218336	114	-0.78	0.00014
40	ENST00000511725	ENSG00000131508	1776	-0.27	5.80E-06
40	ENST00000511884	ENSG00000169851	4973	-0.26	6.40E-09
40	ENST00000511885	ENSG00000130997	9	0.28	NA
40	ENST00000512091	ENSG00000150471	15	-1.13	0.11863
40	ENST00000512123	ENSG00000138759	3089	-0.33	9.50E-10
40	ENST00000512467	ENSG00000183775	93	-0.26	0.45438
40	ENST00000512701	ENSG00000155158	128	0.07	0.86685
40	ENST00000513042	ENSG00000214944	494	-0.05	0.81156
40	ENST00000513200	ENSG00000185261	1422	-0.45	9.13E-06
40	ENST00000513238	ENSG00000169116	11	-0.08	NA
40	ENST00000513610	ENSG00000145555	18244	-0.49	7.45E-38
40	ENST00000513724	ENSG00000163293	17	-0.17	0.88291
40	ENST00000515001	ENSG00000153044	818	-0.04	0.83415
40	ENST00000515059	ENSG00000138696	63	-0.27	0.55745
40	ENST00000515601	ENSG00000180104	5826	-0.17	0.00361
40	ENST00000515764	ENSG00000250317	204	-0.15	0.56863
40	ENST00000517309	ENSG00000156471	3618	-0.06	0.46932
40	ENST00000517417	ENSG00000204956	47	0.24	0.66195
40	ENST00000517434	ENSG00000253731	47	-0.30	0.53478
40	ENST00000517566	ENSG00000164830	783	-0.41	3.15E-05
40	ENST00000517820	ENSG00000147679	532	0.06	0.79092
40	ENST00000518069	ENSG00000253485	23	0.00	0.99790
40	ENST00000518164	ENSG00000156482	4449	0.04	0.80824
40	ENST00000518325	ENSG00000253537	152	-0.08	0.82265
40	ENST00000518476	ENSG00000176571	4	-1.01	NA
40	ENST00000518659	ENSG00000145934	352	0.02	0.94240
40	ENST00000518721	ENSG00000153317	1792	-0.31	2.25E-06
40	ENST00000519250	ENSG00000076554	1499	-0.20	0.04353
40	ENST00000519374	ENSG00000113732	2015	-0.14	0.13970
40	ENST00000519479	ENSG00000253953	63	-0.11	0.83700
40	ENST00000519560	ENSG00000184347	39	-2.85	1.42E-12
40	ENST00000519569	ENSG00000080823	161	0.09	0.84676
40	ENST00000519638	ENSG00000147475	1394	-0.27	0.00051
40	ENST00000519716	ENSG00000130477	439	0.17	0.31989
40	ENST00000519949	ENSG00000204764	464	-0.71	3.89E-07
40	ENST00000520010	ENSG00000166743	1	0.60	NA
40	ENST00000520137	ENSG00000022567	781	-0.12	0.38363
40	ENST00000520369	ENSG00000169122	55	0.19	0.70038
40	ENST00000520388	ENSG00000132837	12	0.24	NA
40	ENST00000520539	ENSG00000104517	5917	-0.10	0.12938
40	ENST00000520790	ENSG00000253305	41	-0.19	0.77192
40	ENST00000520878	ENSG00000113240	415	0.09	0.66314
40	ENST00000520908	ENSG00000134516	128	-0.11	0.74552
40	ENST00000520915	ENSG00000198064	46	0.08	0.92893

40	ENST00000521308	ENSG00000198624	80	0.17	0.69629
40	ENST00000521508	ENSG00000253710	298	-0.54	0.00031
40	ENST00000521548	ENSG00000214050	26	0.02	0.98090
40	ENST00000521585	ENSG00000170091	2	2.98	NA
40	ENST00000521903	ENSG00000156802	4487	-0.12	0.15444
40	ENST00000522208	ENSG00000113269	784	-0.05	0.75790
40	ENST00000522227	ENSG00000044115	19394	-0.06	0.34040
40	ENST00000522370	ENSG00000171530	810	0.09	0.67892
40	ENST00000522378	ENSG00000171320	1056	0.01	0.94132
40	ENST00000522495	ENSG00000131203	82	-1.92	1.02E-15
40	ENST00000522605	ENSG00000253910	33	-0.98	0.03646
40	ENST00000523094	ENSG00000113282	2953	-0.14	0.08089
40	ENST00000523111	ENSG00000169139	1149	-0.05	0.78489
40	ENST00000523288	ENSG00000153310	1690	-0.31	1.48E-08
40	ENST00000523361	ENSG00000104231	621	0.08	0.67521
40	ENST00000523390	ENSG00000254221	70	0.12	0.76998
40	ENST00000523638	ENSG00000254004	574	-0.15	0.38090
40	ENST00000524160	ENSG00000256061	5	-0.55	NA
40	ENST00000524300	ENSG00000040341	635	-0.35	0.00164
40	ENST00000524717	ENSG00000184384	664	-1.27	5.35E-38
40	ENST00000525071	ENSG00000110660	945	0.09	0.53929
40	ENST00000525144	ENSG00000149571	21	-1.36	0.02502
40	ENST00000525266	ENSG00000147789	1093	0.11	0.34101
40	ENST00000525539	ENSG00000166473	5	-0.94	NA
40	ENST00000525566	ENSG00000198431	13137	-0.11	0.03374
40	ENST00000526559	ENSG00000068971	352	0.05	0.84118
40	ENST00000526760	ENSG00000174483	50	-0.19	0.71743
40	ENST00000527372	ENSG00000196535	1872	0.24	0.00205
40	ENST00000527524	ENSG00000149403	4	-0.55	NA
40	ENST00000527636	ENSG00000187079	13462	-0.16	0.00245
40	ENST00000527661	ENSG00000176148	1232	-0.40	2.21E-08
40	ENST00000529006	ENSG00000173120	4926	-0.23	1.05E-06
40	ENST00000529388	ENSG00000133794	505	0.25	0.07472
40	ENST00000530173	ENSG00000141279	4464	0.02	0.81137
40	ENST00000530247	ENSG00000232040	175	0.19	0.48419
40	ENST00000530639	ENSG00000135362	3247	-0.01	0.91871
40	ENST00000531066	ENSG00000166689	337	-0.42	0.00079
40	ENST00000531428	ENSG00000011405	3425	-0.19	0.02643
40	ENST00000532219	ENSG00000254996	62	0.34	0.44240
40	ENST00000532428	ENSG00000149089	404	0.22	0.18044
40	ENST00000532947	ENSG00000169519	654	-0.05	0.76101
40	ENST00000533028	ENSG00000117620	580	-0.47	0.00031
40	ENST00000533144	ENSG00000151364	92	-0.20	0.61215
40	ENST00000533523	ENSG00000254505	29	0.04	0.96416
40	ENST00000533625	ENSG00000139865	30	-0.20	0.78393
40	ENST00000534094	ENSG00000183793	40	-0.30	0.62407
40	ENST00000534127	ENSG00000166444	1435	0.17	0.11216
40	ENST00000534300	ENSG00000110497	1618	-0.44	1.42E-12

40	ENST00000534526	ENSG00000139132	354	-0.49	0.00129
40	ENST00000535157	ENSG00000136155	10	1.73	NA
40	ENST00000535342	ENSG00000154240	132	-0.27	0.36944
40	ENST00000535468	ENSG00000044090	1077	-0.05	0.75443
40	ENST00000535520	ENSG00000123106	769	-0.16	0.31086
40	ENST00000535699	ENSG00000134376	253	0.19	0.36460
40	ENST00000535977	ENSG00000197562	830	-0.12	0.41752
40	ENST00000536244	ENSG00000112078	2727	-0.04	0.69629
40	ENST00000536329	ENSG00000165304	2543	-0.11	0.23264
40	ENST00000536676	ENSG00000186231	1	0.00	NA
40	ENST00000536831	ENSG00000052749	2175	0.06	0.59081
40	ENST00000536837	ENSG00000089053	4753	-0.43	5.44E-21
40	ENST00000536932	ENSG00000072609	730	-0.35	0.00086
40	ENST00000537098	ENSG00000153815	4390	-0.94	#####
40	ENST00000537226	ENSG00000214029	430	-0.18	0.30327
40	ENST00000537384	ENSG00000188191	962	-0.33	0.00236
40	ENST00000537760	ENSG00000133818	467	-0.01	0.97146
40	ENST00000538168	ENSG00000101638	5	-0.42	NA
40	ENST00000538260	ENSG00000114098	917	-0.29	0.00219
40	ENST00000538336	ENSG00000122642	5721	-0.04	0.68561
40	ENST00000538366	ENSG00000075945	623	0.09	0.53644
40	ENST00000538517	ENSG00000132000	316	0.04	0.88305
40	ENST00000538689	ENSG00000079459	2098	-0.29	4.72E-05
40	ENST00000539011	ENSG00000136425	39	0.52	0.26010
40	ENST00000539542	ENSG00000172869	2857	-0.33	5.37E-06
40	ENST00000539644	ENSG00000179195	3817	-0.10	0.22530
40	ENST00000539925	ENSG00000111321	4565	0.41	1.29E-10
40	ENST00000539935	ENSG00000182389	14	-0.15	0.90015
40	ENST00000540166	ENSG00000167986	11297	-0.47	9.47E-25
40	ENST00000540271	ENSG00000134539	7	0.57	NA
40	ENST00000540470	ENSG00000133106	3	-0.09	NA
40	ENST00000540630	ENSG00000138347	413	-0.39	0.00341
40	ENST00000540643	ENSG00000198089	973	-0.52	1.38E-07
40	ENST00000540651	ENSG00000143761	8113	-0.03	0.81356
40	ENST00000540797	ENSG00000140455	1462	-0.16	0.03113
40	ENST00000540900	ENSG00000126653	761	0.06	0.76480
40	ENST00000541110	ENSG00000124496	512	-0.26	0.05314
40	ENST00000541158	ENSG00000165409	2	-1.72	NA
40	ENST00000541337	ENSG00000158458	73	-0.31	0.49973
40	ENST00000541923	ENSG00000164120	40	0.11	0.87638
40	ENST00000541977	ENSG00000231887	112	-0.41	0.26220
40	ENST00000542210	ENSG00000090975	784	0.17	0.13455
40	ENST00000542267	ENSG00000145743	521	-0.86	2.98E-16
40	ENST00000542328	ENSG00000197150	1230	-0.39	4.02E-06
40	ENST00000542454	ENSG00000168398	48	0.64	0.17580
40	ENST00000543086	ENSG00000082805	3192	-0.46	1.56E-16
40	ENST00000543571	ENSG00000131023	1476	-0.07	0.55033
40	ENST00000544028	ENSG00000078618	5017	0.03	0.75677

40	ENST00000544257	ENSG00000166532	4103	-0.13	0.11525
40	ENST00000544378	ENSG00000091592	309	0.01	0.96968
40	ENST00000544408	ENSG00000100372	965	0.02	0.91690
40	ENST00000544583	ENSG00000159842	3389	-0.26	1.31E-06
40	ENST00000545028	ENSG00000150361	23	0.47	0.53676
40	ENST00000545168	ENSG00000119125	5300	-0.06	0.43293
40	ENST00000545358	ENSG00000169246	134	-0.97	0.01423
40	ENST00000545560	ENSG00000198542	4	1.15	NA
40	ENST00000546604	ENSG00000205323	84	0.17	0.71690
40	ENST00000547103	ENSG00000165899	10	1.77	NA
40	ENST00000547776	ENSG00000185046	11	-0.28	NA
40	ENST00000548143	ENSG00000185721	1227	0.09	0.58546
40	ENST00000548446	ENSG00000170653	1184	0.14	0.13940
40	ENST00000548458	ENSG00000235162	662	-0.25	0.03292
40	ENST00000549190	ENSG00000134283	2055	-0.05	0.62036
40	ENST00000549372	ENSG00000089060	687	0.31	0.00460
40	ENST00000549396	ENSG00000139220	5	-0.59	NA
40	ENST00000549503	ENSG00000184304	23	-2.25	6.17E-05
40	ENST00000550042	ENSG00000067798	98	-0.94	2.09E-05
40	ENST00000550286	ENSG00000094914	2043	0.01	0.96241
40	ENST00000550574	ENSG00000167553	11867	0.13	0.01010
40	ENST00000550665	ENSG00000169203	56	-0.43	0.43441
40	ENST00000551063	ENSG00000110844	553	0.23	0.05593
40	ENST00000551295	ENSG00000018236	196	0.13	0.65725
40	ENST00000551935	ENSG00000129521	655	0.54	1.67E-07
40	ENST00000552085	ENSG00000139343	267	0.04	0.91314
40	ENST00000552205	ENSG00000184752	701	0.23	0.09660
40	ENST00000552848	ENSG00000111481	5228	-0.12	0.07417
40	ENST00000552912	ENSG00000122970	662	-0.34	0.00164
40	ENST00000553558	ENSG00000187105	3	0.11	NA
40	ENST00000554073	ENSG00000214274	17	0.62	0.45100
40	ENST00000554218	ENSG00000139971	11	-0.35	NA
40	ENST00000554335	ENSG00000020577	535	-0.23	0.03828
40	ENST00000554546	ENSG00000133961	736	-0.51	1.28E-07
40	ENST00000555000	ENSG00000054983	129	-0.30	0.28442
40	ENST00000555044	ENSG00000119725	88	-0.38	0.30554
40	ENST00000555185	ENSG00000027075	518	-0.23	0.05339
40	ENST00000555220	ENSG00000089775	1350	-0.06	0.68114
40	ENST00000555265	ENSG00000100629	647	-0.13	0.43441
40	ENST00000555661	ENSG00000140043	93	-0.21	0.55220
40	ENST00000556509	ENSG00000205683	4	0.05	NA
40	ENST00000556810	ENSG00000070269	392	-0.33	0.01362
40	ENST00000557217	ENSG00000092020	312	-0.39	0.00250
40	ENST00000557325	ENSG00000187097	472	-0.28	0.04738
40	ENST00000557398	ENSG00000185442	76	-0.32	0.46444
40	ENST00000557647	ENSG00000178974	805	-0.16	0.13259
40	ENST00000557978	ENSG00000105717	80	-0.16	0.71235
40	ENST00000558181	ENSG00000128915	2391	-0.29	1.17E-05

40	ENST00000558239	ENSG00000128918	60	0.43	0.22273
40	ENST00000558518	ENSG00000130164	6975	-0.21	0.00141
40	ENST00000558555	ENSG00000105419	420	-0.81	1.84E-11
40	ENST00000558663	ENSG00000103852	702	-0.23	0.06630
40	ENST00000558745	ENSG00000140391	4970	-0.23	0.00030
40	ENST00000559757	ENSG00000157450	1372	0.08	0.43320
40	ENST00000560219	ENSG00000188095	11	0.80	NA
40	ENST00000560374	ENSG00000103942	46	-0.96	0.01284
40	ENST00000560386	ENSG00000134146	250	-0.46	0.00602
40	ENST00000561028	ENSG00000129535	28	-0.05	0.96380
40	ENST00000561069	ENSG00000034053	43	-1.67	3.24E-05
40	ENST00000562128	ENSG00000197162	674	0.04	0.82528
40	ENST00000562520	ENSG00000102935	109	0.50	0.07142
40	ENST00000562663	ENSG00000205517	289	-0.29	0.21871
40	ENST00000562840	ENSG00000260456	17	0.05	0.96467
40	ENST00000563573	ENSG00000140743	999	0.24	0.01399
40	ENST00000563588	ENSG00000156873	707	-0.48	0.00072
40	ENST00000564218	ENSG00000176723	17	0.60	0.53810
40	ENST00000564415	ENSG00000103051	2108	-0.24	0.00028
40	ENST00000564704	ENSG00000135740	84	-0.15	0.75465
40	ENST00000565380	ENSG00000103994	7479	-0.37	2.98E-15
40	ENST00000565468	ENSG00000261115	17	-1.36	0.04347
40	ENST00000566029	ENSG00000177200	3274	-0.29	0.00072
40	ENST00000566108	ENSG00000090905	3756	-0.08	0.35810
40	ENST00000566228	ENSG00000048471	827	-0.82	1.24E-18
40	ENST00000566392	ENSG00000168676	2	-2.61	NA
40	ENST00000566417	ENSG00000169752	548	0.07	0.66903
40	ENST00000566625	ENSG00000179965	182	-0.27	0.31662
40	ENST00000566983	ENSG00000140650	1294	0.18	0.07894
40	ENST00000567109	ENSG00000140945	689	-1.07	3.07E-36
40	ENST00000567134	ENSG00000169371	391	-0.10	0.62346
40	ENST00000567287	ENSG00000141076	2177	-0.03	0.83559
40	ENST00000567887	ENSG00000127603	11468	-0.26	1.01E-07
40	ENST00000568235	ENSG00000005187	62	0.34	0.49945
40	ENST00000569304	ENSG00000103769	2741	-0.11	0.09338
40	ENST00000570137	ENSG00000166446	1116	-0.22	0.01394
40	ENST00000570827	ENSG00000154914	335	-0.03	0.90008
40	ENST00000571252	ENSG00000262576	25	-1.23	0.05036
40	ENST00000572559	ENSG00000153406	1543	-0.01	0.97446
40	ENST00000572887	ENSG00000102967	512	-0.09	0.65032
40	ENST00000573521	ENSG00000261934	35	-0.24	0.72942
40	ENST00000573600	ENSG00000175826	978	0.15	0.50802
40	ENST00000573882	ENSG00000141527	110	-0.71	0.02294
40	ENST00000573984	ENSG00000167740	300	-0.28	0.14342
40	ENST00000574590	ENSG00000120071	3683	-0.05	0.65229
40	ENST00000574777	ENSG00000185527	6	1.32	NA
40	ENST00000574788	ENSG00000129204	2	-2.99	NA
40	ENST00000574848	ENSG00000189067	5658	-0.12	0.06342

40	ENST00000575858	ENSG00000170310	220	-1.42	2.46E-20
40	ENST00000576222	ENSG00000262209	20	-1.24	0.06433
40	ENST00000576742	ENSG00000167723	31	0.79	0.17766
40	ENST00000578646	ENSG00000101752	2219	0.05	0.65684
40	ENST00000578921	ENSG00000168461	8589	-0.25	1.40E-06
40	ENST00000579197	ENSG00000225190	737	0.06	0.70695
40	ENST00000580191	ENSG00000134504	789	-0.25	0.02880
40	ENST00000580380	ENSG00000189159	2584	0.03	0.81027
40	ENST00000581298	ENSG00000002919	600	-0.20	0.21061
40	ENST00000581589	ENSG00000180901	771	0.05	0.73379
40	ENST00000582809	ENSG00000146872	1343	-0.14	0.09512
40	ENST00000582970	ENSG00000173821	15229	-0.28	1.83E-11
40	ENST00000583700	ENSG00000101773	1848	-0.03	0.88137
40	ENST00000584205	ENSG00000171953	489	-0.21	0.14030
40	ENST00000585493	ENSG00000198551	268	0.06	0.87168
40	ENST00000585682	ENSG00000164125	16	-0.24	0.81954
40	ENST00000585916	ENSG00000078043	1131	-0.28	0.02361
40	ENST00000586115	ENSG00000186020	316	0.24	0.11301
40	ENST00000586717	ENSG00000188878	197	-0.06	0.88626
40	ENST00000587199	ENSG00000120784	403	0.15	0.45632
40	ENST00000587566	ENSG00000007047	705	-0.38	0.00295
40	ENST00000588268	ENSG00000197808	34	-0.96	0.02177
40	ENST00000588522	ENSG00000104936	1056	-0.50	8.60E-08
40	ENST00000589222	ENSG00000141376	406	-1.56	2.28E-29
40	ENST00000589797	ENSG00000141699	1978	0.04	0.75365
40	ENST00000590510	ENSG00000167642	253	0.96	3.10E-12
40	ENST00000590646	ENSG00000133243	1910	-0.54	2.49E-10
40	ENST00000590751	ENSG00000180479	56	0.04	0.96042
40	ENST00000590800	ENSG00000184828	414	0.09	0.67018
40	ENST00000591247	ENSG00000161654	1313	0.06	0.60449
40	ENST00000591569	ENSG00000189114	308	-0.05	0.84895
40	ENST00000591680	ENSG00000186566	2114	-0.24	0.00044
40	ENST00000592534	ENSG00000171291	7	-2.08	NA
40	ENST00000592554	ENSG00000108950	13	-2.06	0.00763
40	ENST00000592611	ENSG00000150477	318	-0.18	0.35711
40	ENST00000592854	ENSG00000214212	3	-0.17	NA
40	ENST00000592883	ENSG00000087903	437	-0.25	0.12090
40	ENST00000593767	ENSG00000104973	1590	-0.29	1.90E-05
40	ENST00000593942	ENSG00000104883	35	-0.56	0.30733
40	ENST00000594325	ENSG00000006016	2997	-0.80	5.26E-37
40	ENST00000594773	ENSG00000064607	3536	-0.50	2.25E-23
40	ENST00000595851	ENSG00000083807	283	-0.47	0.00849
40	ENST00000596053	ENSG00000160352	884	-0.48	2.96E-06
40	ENST00000596559	ENSG00000198538	552	0.17	0.26677
40	ENST00000597342	ENSG00000204514	37	-0.93	0.05054
40	ENST00000597960	ENSG00000105701	6193	0.09	0.61022
40	ENST00000599386	ENSG00000130669	1469	0.05	0.76101
40	ENST00000600335	ENSG00000132010	14	0.03	0.98431

40	ENST00000600404	ENSG00000121413	37	-0.36	0.51617
40	ENST00000601065	ENSG00000104852	2460	-0.23	0.04434
40	ENST00000602142	ENSG00000141968	46	-0.15	0.82124
40	ENST00000602662	ENSG00000158747	979	0.23	0.30241
40	ENST00000602840	ENSG00000154582	881	0.10	0.48105
40	ENST00000603067	ENSG00000270647	2933	-0.12	0.25314
40	ENST00000604900	ENSG00000183283	3600	0.12	0.23119
40	ENST00000606098	ENSG00000154814	590	-0.21	0.10596
40	ENST00000606445	ENSG00000176788	20770	0.01	0.97556
40	ENST00000606738	ENSG00000269113	980	-0.10	0.47962
40	ENST00000606978	ENSG00000204929	5	0.04	NA
40	ENST00000607016	ENSG00000272325	1604	-0.43	5.81E-11
40	ENST00000607452	ENSG00000170634	85	-0.52	0.10323
40	ENST00000609454	ENSG00000100124	815	0.01	0.97066
40	ENST00000609672	ENSG00000147065	25911	0.23	1.09E-10
40	ENST00000609923	ENSG00000122912	651	-0.48	0.00016
40	ENST00000610020	ENSG00000122484	1204	-0.36	0.00090
40	ENST00000610355	ENSG00000145244	9	0.83	NA
40	ENST00000610556	ENSG00000172403	196	-0.28	0.17200
40	ENST00000610773	ENSG00000141127	954	-0.24	0.01388
40	ENST00000611185	ENSG00000145860	3639	0.04	0.68315
40	ENST00000611255	ENSG00000148655	65	-1.38	1.09E-06
40	ENST00000611745	ENSG00000177679	10	0.28	NA
40	ENST00000612520	ENSG00000271425	320	0.19	0.30156
40	ENST00000612742	ENSG00000123600	662	-0.24	0.02103
40	ENST00000612828	ENSG00000154529	245	0.10	0.68454
40	ENST00000612892	ENSG00000183671	372	-0.41	0.01753
40	ENST00000612955	ENSG00000132938	71	-0.01	0.98778
40	ENST00000613048	ENSG00000066468	82	-0.81	0.00096
40	ENST00000613065	ENSG00000213096	454	-0.08	0.68209
40	ENST00000613078	ENSG00000139597	8	-0.40	NA
40	ENST00000613740	ENSG00000145242	603	0.08	0.62848
40	ENST00000614189	ENSG00000180628	1280	-0.09	0.51338
40	ENST00000614352	ENSG00000163328	130	-0.70	0.00216
40	ENST00000614479	ENSG00000173230	5545	0.14	0.18445
40	ENST00000614508	ENSG00000275835	1350	-0.28	0.00059
40	ENST00000614703	ENSG00000130340	2072	0.03	0.77272
40	ENST00000614987	ENSG00000100784	468	-0.62	4.40E-07
40	ENST00000615182	ENSG00000276234	765	-0.19	0.09296
40	ENST00000615189	ENSG00000100003	94	0.08	0.85366
40	ENST00000615547	ENSG00000198843	1402	0.08	0.39848
40	ENST00000615660	ENSG00000217128	1740	-0.46	1.04E-06
40	ENST00000615901	ENSG00000115306	24900	0.21	9.33E-05
40	ENST00000615926	ENSG00000116580	2484	-0.32	2.79E-05
40	ENST00000616212	ENSG00000068028	955	-0.04	0.83347
40	ENST00000616417	ENSG00000248905	266	0.19	0.35595
40	ENST00000616739	ENSG00000163431	3	1.37	NA
40	ENST00000616989	ENSG00000205309	54	-0.39	0.41710

40	ENST00000617277	ENSG00000162779	4	1.40	NA
40	ENST00000617380	ENSG00000276547	39	-0.64	0.23818
40	ENST00000617695	ENSG00000196569	17	0.88	0.26422
40	ENST00000617908	ENSG00000198722	2420	-0.12	0.11881
40	ENST00000618621	ENSG00000145012	5681	-0.94	2.41E-56
40	ENST00000618760	ENSG00000089250	3	-0.23	NA
40	ENST00000618819	ENSG00000169410	1195	-0.25	0.00121
40	ENST00000618914	ENSG00000120992	1301	-0.25	0.00376
40	ENST00000619168	ENSG00000183049	1218	-1.01	9.44E-39
40	ENST00000619387	ENSG00000275700	1267	0.04	0.79803
40	ENST00000620048	ENSG00000213047	384	-0.06	0.83821
40	ENST00000620277	ENSG00000130826	3829	0.05	0.55171
40	ENST00000620350	ENSG00000129295	50	-0.75	0.06255
40	ENST00000620612	ENSG00000273136	191	-0.02	0.96693
40	ENST00000620676	ENSG00000048707	4814	-0.31	3.37E-07
40	ENST00000620860	ENSG00000070785	579	-0.27	0.02990
40	ENST00000621776	ENSG00000051341	1320	0.03	0.86372
40	ENST00000621914	ENSG00000006125	11466	-0.31	1.79E-12
40	ENST00000622180	ENSG00000274349	111	-0.34	0.30609
40	ENST00000622583	ENSG00000172613	526	-0.03	0.88302
40	ENST00000622785	ENSG00000121211	145	-0.04	0.93513
40	ENST00000623028	ENSG00000144560	1684	-0.12	0.14989
40	ENST00000623858	ENSG00000279170	93	-0.28	0.41406
40	ENST00000625099	ENSG00000254827	7	-1.10	NA
40	ENST00000626119	ENSG00000111652	1706	-0.44	1.33E-10
40	ENST00000626778	ENSG00000083099	884	-0.21	0.10405
40	ENST00000627217	ENSG00000148737	1327	0.26	0.01076
40	ENST00000627814	ENSG00000188227	18	-2.17	0.00130
40	ENST00000628542	ENSG00000079819	1750	-0.14	0.19097
40	ENST00000628545	ENSG00000174332	250	-0.39	0.02431
40	ENST00000629042	ENSG00000143401	3163	-0.03	0.79543
40	ENST00000630626	ENSG00000141084	890	-0.28	0.00767
40	ENST00000631210	ENSG00000169057	2787	-0.17	0.01305
40	ENST00000634499	ENSG00000021645	7	0.35	NA
40	ENST00000635253	ENSG00000116641	1250	0.03	0.85105
40	ENST00000635978	ENSG00000175344	21	-0.31	0.74164
40	ENST00000636006	ENSG00000109265	509	-0.43	0.00028
40	ENST00000636200	ENSG00000198954	1010	0.22	0.03514
40	ENST00000636203	ENSG00000189337	2893	-0.32	1.08E-06
40	ENST00000636209	ENSG00000178031	14	-0.27	0.81335
40	ENST00000636213	ENSG00000179133	7	0.06	NA
40	ENST00000636347	ENSG00000198689	1203	-0.51	2.63E-11
40	ENST00000636680	ENSG00000144642	574	-1.03	6.03E-18
40	ENST00000636699	ENSG00000283378	6	0.50	NA
40	ENST00000637138	ENSG00000132359	2044	-0.21	0.00044
40	ENST00000637419	ENSG00000131149	3954	-0.07	0.33277
40	ENST00000637504	ENSG00000162341	772	-0.08	0.62555
40	ENST00000637651	ENSG00000082397	43	0.40	0.42515

40	ENST00000637698	ENSG00000104237	15	-0.67	0.46893
40	ENST00000637812	ENSG00000125386	1219	-0.45	4.22E-07
40	ENST00000637919	ENSG00000182621	288	-0.34	0.09331
40	ENST00000637938	ENSG00000153404	89	-0.59	0.04511
40	ENST00000637974	ENSG00000110395	1639	-0.12	0.25698
40	ENST00000638048	ENSG00000138670	171	0.18	0.51808
40	ENST00000638053	ENSG00000075407	810	0.11	0.38776
40	ENST00000638118	ENSG00000143839	2	1.85	NA
40	ENST00000638429	ENSG00000107779	1344	-0.22	0.00982
40	ENST00000638717	ENSG00000112425	149	-0.22	0.49539
40	ENST00000638991	ENSG00000156113	3	0.69	NA
40	ENST00000639996	ENSG00000275895	153	-0.41	0.12090
40	ENST00000640035	ENSG00000172748	49	-0.62	0.21736
40	ENST00000640069	ENSG00000029363	6035	-0.02	0.90065
40	ENST00000640168	ENSG00000084093	2628	0.00	0.99659
40	ENST00000640234	ENSG00000243335	343	-0.24	0.15516
40	ENST00000640575	ENSG00000170417	105	0.06	0.89962
40	ENST00000640615	ENSG00000234745	4284	0.02	0.88434
40	ENST00000640961	ENSG00000109911	634	-0.14	0.47719
40	ENST00000641206	ENSG00000140836	8328	-0.25	4.43E-10
40	ENST00000641498	ENSG00000171848	5569	0.01	0.90066
40	ENST00000641597	ENSG00000092621	7875	-0.03	0.80054
40	ENST00000641834	ENSG00000167747	3216	0.02	0.91585
40	ENST00000642319	ENSG00000230124	834	-0.23	0.04285
40	ENST00000642529	ENSG00000250312	151	-0.77	0.00095
40	ENST00000642720	ENSG00000147481	12	0.62	NA
40	ENST00000642955	ENSG00000188517	4589	-1.44	#####
40	ENST00000643230	ENSG00000170381	3	2.11	NA
40	ENST00000643584	ENSG00000136143	969	-0.20	0.02430
40	ENST00000643750	ENSG00000165475	62	-0.14	0.76046
40	ENST00000644092	ENSG00000095002	1986	-0.25	0.00260
40	ENST00000644269	ENSG00000091137	7	-0.09	NA
40	ENST00000644362	ENSG00000102144	21399	0.18	0.00072
40	ENST00000644820	ENSG00000186487	6	-0.69	NA
40	ENST00000645093	ENSG00000157542	240	-0.38	0.04338
40	ENST00000645295	ENSG00000160539	2	-1.30	NA
40	ENST00000645453	ENSG00000266714	698	-0.08	0.62879
40	ENST00000645463	ENSG00000253438	24	-3.87	9.32E-12
40	ENST00000645559	ENSG00000106546	1284	0.23	0.00623
40	ENST00000645759	ENSG00000114423	1233	-0.07	0.59534
40	ENST00000645780	ENSG00000073910	812	-0.23	0.04312
40	ENST00000645898	ENSG00000168016	708	0.51	1.26E-08
40	ENST00000646001	ENSG00000156869	437	0.05	0.82829
40	ENST00000646038	ENSG00000166436	591	-0.21	0.33049
40	ENST00000646273	ENSG00000134532	13	-1.45	0.03269
40	ENST00000646647	ENSG00000100888	4747	0.11	0.09164
40	ENST00000646648	ENSG00000070081	876	0.11	0.52458
40	ENST00000646873	ENSG00000160221	220	0.12	0.66471

40	ENST00000647005	ENSG00000079335	124	-0.24	0.43160
40	ENST00000647176	ENSG00000196312	1478	-0.54	1.42E-08
40	ENST00000647232	ENSG00000074803	9	0.52	NA
40	ENST00000647658	ENSG00000162687	102	-0.47	0.10723
40	ENST00000647958	ENSG00000163666	11	0.42	NA
40	ENST00000647964	ENSG00000168216	565	0.05	0.83700
40	ENST00000648114	ENSG00000144711	1081	0.13	0.34591
40	ENST00000648195	ENSG00000163710	174	-0.30	0.24036
40	ENST00000648300	ENSG00000074416	3512	0.11	0.15998
40	ENST00000648350	ENSG00000100138	3441	0.01	0.94907
40	ENST00000648506	ENSG00000227124	376	-0.55	2.55E-05
40	ENST00000648594	ENSG00000070831	4954	0.03	0.72932
40	ENST00000648702	ENSG00000173436	183	0.09	0.79368
40	ENST00000648739	ENSG00000205754	6	-0.59	NA
40	ENST00000648853	ENSG00000184500	651	0.25	0.06101
40	ENST00000648894	ENSG00000112245	308	-0.08	0.81215
40	ENST00000648948	ENSG00000167632	1175	-0.87	3.00E-26
40	ENST00000648957	ENSG00000163870	2537	0.09	0.34786
40	ENST00000649142	ENSG00000177842	464	-0.30	0.06674
40	ENST00000649217	ENSG00000172175	787	0.20	0.07177
40	ENST00000649279	ENSG00000152217	236	-0.06	0.85786
40	ENST00000649501	ENSG00000185513	145	-0.58	0.02585
40	ENST00000649528	ENSG00000114861	1735	-0.03	0.88806
40	ENST00000649830	ENSG00000108556	22	-0.62	0.42568
40	ENST00000650449	ENSG00000197056	712	-0.33	0.00629
40	ENST00000650688	ENSG00000140941	2342	0.19	0.01334
40	ENST00000650759	ENSG00000231527	120	-0.82	0.00098
40	ENST00000650792	ENSG00000011376	1918	-0.42	1.85E-14
40	ENST00000650821	ENSG00000118777	13	0.24	0.83274
40	ENST00000650983	ENSG00000188404	3	-4.15	NA
40	ENST00000651257	ENSG00000158966	931	0.06	0.67851
40	ENST00000651335	ENSG00000157168	126	-0.40	0.13396
40	ENST00000651602	ENSG00000140044	689	0.16	0.23117
40	ENST00000651687	ENSG00000113356	172	-0.15	0.66189
40	ENST00000651865	ENSG00000140694	1613	-0.21	0.00479
40	ENST00000651929	ENSG00000022267	513	-0.25	0.02450
40	ENST00000651955	ENSG00000148337	4330	-0.01	0.92153
40	ENST00000652102	ENSG00000049769	68	-0.07	0.92761
40	ENST00000652176	ENSG00000151746	1372	-0.81	1.48E-26
40	ENST00000652315	ENSG00000088387	1790	-0.87	5.63E-37
40	ENST00000652598	ENSG00000175854	688	-0.09	0.56864
40	ENST00000652600	ENSG00000131724	3155	-0.05	0.55866
40	ENST00000652605	ENSG00000094841	249	0.18	0.40618
40	ENST00000655425	ENSG00000130021	428	-0.15	0.35158
40	ENST00000656437	ENSG00000142599	2989	-0.29	0.00114
40	ENST00000657225	ENSG00000154493	2	-0.42	NA
40	ENST00000659705	ENSG00000163681	2260	-0.19	0.00449
40	ENST00000660610	ENSG00000184381	253	-0.53	0.00032

40	ENST00000661030	ENSG00000162618	2	-0.43	NA
40	ENST00000663578	ENSG00000246273	201	0.19	0.41489
40	ENST00000664306	ENSG00000101846	1093	0.01	0.93784
40	ENST00000664495	ENSG00000162599	5579	-0.06	0.75159
40	ENST00000664783	ENSG00000107829	404	-0.19	0.31425
40	ENST00000664852	ENSG00000078747	2592	-0.04	0.74488
40	ENST00000664864	ENSG00000141837	10	-0.69	NA
40	ENST00000670016	ENSG00000182150	1828	-0.20	0.02454
40	ENST00000671701	ENSG00000138190	415	-0.35	0.01584
40	ENST00000672018	ENSG00000033030	765	-0.22	0.07950
40	ENST00000672724	ENSG00000130939	3864	-0.66	9.51E-28
40	ENST00000672739	ENSG00000214367	492	0.08	0.72897
40	ENST00000672902	ENSG00000112541	8101	-0.13	0.37600
40	ENST00000672955	ENSG00000145362	29	-1.05	0.04524
40	ENST00000672957	ENSG00000138303	759	-0.42	6.93E-06
40	ENST00000673317	ENSG00000100478	162	-0.62	0.00541
40	ENST00000673352	ENSG00000156110	878	-0.78	1.53E-18
40	ENST00000673446	ENSG00000173214	1015	-0.46	1.16E-06
40	ENST00000673631	ENSG00000182986	765	0.10	0.50039
40	ENST00000673712	ENSG00000175782	587	-0.13	0.37041
40	ENST00000673785	ENSG00000001626	20	-0.52	0.52507
40	ENST00000673981	ENSG00000119703	42	0.21	0.75290
40	ENST00000674063	ENSG00000051382	1096	0.04	0.82852
40	ENST00000674117	ENSG00000099139	17	-0.67	0.39472
40	ENST00000674475	ENSG00000197321	2017	-0.50	3.47E-11

Supplementary Table 9 lists all genes that were targeted by ASO 40 and RNA-seq data was available. The transcript ID is given together with the ENSEMBL gene ID. Mean expression, log2 fold change and the adjusted p-value (padj) were calculated using DESeq2. *IDO1* (ENSG00000131203) is marked in bold.

Supplementary Table 10

ASO	ENSEMBL_Transcript_ID	ENSEMBL_Gene_ID	mean_expression	log ₂ (FoldChange)	padj
50	ENST00000006275	ENSG00000007255	72	-1.34	2.39E-05
50	ENST00000013125	ENSG00000012983	1530	-0.14	0.16450
50	ENST00000056233	ENSG00000050344	95	-1.11	2.31E-05
50	ENST00000061240	ENSG00000038295	834	-0.38	0.00126
50	ENST00000064778	ENSG00000054965	1694	-0.87	1.12E-41
50	ENST00000066544	ENSG00000004897	3712	-0.08	0.34305
50	ENST00000080059	ENSG00000061273	3588	-0.45	2.93E-16
50	ENST00000083182	ENSG00000062725	1098	0.07	0.52960
50	ENST00000156471	ENSG00000021776	4377	-0.01	0.94630
50	ENST00000159111	ENSG00000127663	1705	-0.12	0.20412
50	ENST00000169298	ENSG00000073849	126	-0.64	0.02751
50	ENST00000178640	ENSG00000137764	653	-0.88	1.64E-16
50	ENST00000181796	ENSG00000065809	4821	-0.27	6.02E-07
50	ENST00000181839	ENSG00000065883	2752	0.00	0.98196
50	ENST00000186436	ENSG00000075568	1839	-0.11	0.23524
50	ENST00000199389	ENSG00000086232	6064	-0.12	0.02864
50	ENST00000200181	ENSG00000132470	3803	-0.02	0.88915
50	ENST00000201586	ENSG00000088002	3	1.70	NA
50	ENST00000202556	ENSG00000088808	301	-0.56	4.28E-06
50	ENST00000202677	ENSG00000188559	590	-1.09	4.18E-27
50	ENST00000202816	ENSG00000089048	345	-0.03	0.90628
50	ENST00000202967	ENSG00000089163	10	0.64	0.62820
50	ENST00000204566	ENSG00000090487	2507	-0.59	5.30E-20
50	ENST00000204679	ENSG00000090581	1415	-0.78	1.96E-30
50	ENST00000205061	ENSG00000090863	7994	-0.79	3.57E-73
50	ENST00000205636	ENSG00000091317	1383	-0.22	0.02292
50	ENST00000206020	ENSG00000091640	777	-0.23	0.05467
50	ENST00000207157	ENSG00000092607	156	-0.24	0.29015
50	ENST00000209884	ENSG00000076321	764	0.04	0.79421
50	ENST00000216024	ENSG00000100206	35	-0.46	0.40725
50	ENST00000216044	ENSG00000100226	2603	-0.31	4.35E-07
50	ENST00000216190	ENSG00000100353	4775	0.07	0.28569
50	ENST00000216373	ENSG00000100485	790	-0.37	3.56E-05
50	ENST00000216484	ENSG00000100596	1493	-0.21	0.01205
50	ENST00000216487	ENSG00000100599	331	-0.59	0.00018
50	ENST00000216489	ENSG00000100601	293	-0.52	6.79E-05
50	ENST00000217246	ENSG00000172264	46	-0.06	0.91677
50	ENST00000217289	ENSG00000101311	1134	-0.37	8.69E-06
50	ENST00000217446	ENSG00000101464	490	-0.36	0.00338
50	ENST00000217455	ENSG00000101473	618	0.02	0.92386
50	ENST00000219139	ENSG00000125149	541	0.04	0.80456
50	ENST00000219299	ENSG00000103021	466	-0.26	0.03588
50	ENST00000219368	ENSG00000103089	30	0.29	0.70487
50	ENST00000219439	ENSG00000103160	616	-1.07	1.05E-28
50	ENST00000220325	ENSG00000103966	1265	-0.29	6.75E-05
50	ENST00000220592	ENSG00000123908	9994	0.07	0.17477

50	ENST00000220616	ENSG00000042832	10	0.17	0.90673
50	ENST00000221114	ENSG00000104671	233	0.20	0.34017
50	ENST00000221538	ENSG00000104941	7	-0.82	NA
50	ENST00000221671	ENSG00000105072	350	0.16	0.36049
50	ENST00000221856	ENSG00000105255	142	-0.72	0.00092
50	ENST00000222345	ENSG00000105738	1990	-1.23	3.02E-94
50	ENST00000222402	ENSG00000078967	391	-0.29	0.04851
50	ENST00000222673	ENSG00000105953	8461	-1.00	1.22E-91
50	ENST00000223210	ENSG00000106479	112	-0.18	0.60207
50	ENST00000223398	ENSG00000106665	531	-0.51	1.37E-06
50	ENST00000223642	ENSG00000106804	84	-0.33	0.32508
50	ENST00000225235	ENSG00000108239	261	-0.03	0.92357
50	ENST00000225298	ENSG00000011260	1422	-0.14	0.15758
50	ENST00000225538	ENSG00000108405	68	-1.20	6.85E-05
50	ENST00000225576	ENSG00000175106	200	0.14	0.51459
50	ENST00000226067	ENSG00000108924	14	-0.10	0.93089
50	ENST00000228741	ENSG00000111145	1009	-0.20	0.07757
50	ENST00000229812	ENSG00000112079	1634	-0.16	0.04911
50	ENST00000230419	ENSG00000112655	2004	-0.45	5.56E-09
50	ENST00000233809	ENSG00000115457	1311	-0.05	0.80666
50	ENST00000235307	ENSG00000116667	234	0.17	0.39453
50	ENST00000236698	ENSG00000118007	2103	-1.90	1.61E-95
50	ENST00000236957	ENSG00000114942	6755	-0.12	0.23319
50	ENST00000238616	ENSG00000119638	2641	-0.52	6.57E-16
50	ENST00000238831	ENSG00000119820	1321	-0.23	0.00267
50	ENST00000239026	ENSG00000119969	4888	-0.08	0.38810
50	ENST00000239367	ENSG00000120256	1121	-0.54	0.00109
50	ENST00000240095	ENSG00000104635	4956	0.07	0.42041
50	ENST00000240499	ENSG00000131127	410	0.19	0.30003
50	ENST00000242066	ENSG00000006468	719	-0.12	0.33108
50	ENST00000242804	ENSG00000198342	10	0.33	0.77397
50	ENST00000243077	ENSG00000123384	11450	-0.21	0.00162
50	ENST00000243662	ENSG00000123892	127	-0.77	0.00187
50	ENST00000245441	ENSG00000104067	6482	0.05	0.47106
50	ENST00000245543	ENSG00000125449	501	-0.28	0.02574
50	ENST00000247178	ENSG00000126775	576	-0.64	1.84E-08
50	ENST00000247986	ENSG00000117245	23	-0.39	0.60380
50	ENST00000248306	ENSG00000127720	154	0.54	0.01073
50	ENST00000249636	ENSG00000033800	1311	0.10	0.22480
50	ENST00000250454	ENSG00000129518	642	-0.32	0.00320
50	ENST00000250495	ENSG00000129559	389	-0.39	0.02365
50	ENST00000250559	ENSG00000127314	2722	-0.12	0.15223
50	ENST00000250894	ENSG00000138834	1826	0.08	0.51210
50	ENST00000251076	ENSG00000104093	2473	0.08	0.46843
50	ENST00000251127	ENSG00000102452	245	0.27	0.08048
50	ENST00000251143	ENSG00000103544	2486	-1.64	#####
50	ENST00000251287	ENSG00000099822	3665	-0.05	0.70963
50	ENST00000251507	ENSG00000152061	474	-0.48	0.00013

50	ENST00000251527	ENSG00000117868	6362	-0.32	1.22E-12
50	ENST00000251691	ENSG00000112379	931	-1.14	5.02E-41
50	ENST00000251722	ENSG00000085982	1381	-0.42	1.59E-09
50	ENST00000251775	ENSG00000114520	684	-0.13	0.36154
50	ENST00000252032	ENSG00000088854	172	-0.51	0.01795
50	ENST00000252595	ENSG00000130304	153	-1.18	8.55E-11
50	ENST00000252744	ENSG00000130449	1290	-0.44	2.53E-09
50	ENST00000252992	ENSG00000130695	1383	0.14	0.12700
50	ENST00000253031	ENSG00000130733	974	-0.70	7.14E-16
50	ENST00000253079	ENSG00000130783	6	0.30	NA
50	ENST00000253247	ENSG00000130935	1820	-0.12	0.23049
50	ENST00000253693	ENSG00000131375	1412	-0.04	0.70124
50	ENST00000253812	ENSG00000254245	10	-0.87	0.32874
50	ENST00000253861	ENSG00000131558	2192	-0.74	5.08E-37
50	ENST00000254325	ENSG00000132005	919	-0.15	0.24062
50	ENST00000254480	ENSG00000173473	5710	-0.20	1.33E-05
50	ENST00000254799	ENSG00000132463	2982	-0.13	0.16633
50	ENST00000254898	ENSG00000132561	831	0.16	0.13728
50	ENST00000254963	ENSG00000132622	16	-0.90	0.20819
50	ENST00000255152	ENSG00000132801	109	-0.21	0.48003
50	ENST00000255305	ENSG00000132953	1801	-0.35	1.75E-05
50	ENST00000255559	ENSG00000133195	272	-1.05	1.33E-17
50	ENST00000255681	ENSG00000133315	995	-0.38	0.00029
50	ENST00000256062	ENSG00000133687	5818	0.20	6.49E-06
50	ENST00000256190	ENSG00000133812	1340	-1.03	7.20E-35
50	ENST00000256339	ENSG00000133958	14	-2.21	0.00104
50	ENST00000256925	ENSG00000134508	1720	-0.14	0.09209
50	ENST00000257181	ENSG00000134748	2253	-0.03	0.78059
50	ENST00000257209	ENSG00000134775	78	-0.70	0.03153
50	ENST00000257215	ENSG00000134780	510	0.36	0.00400
50	ENST00000257247	ENSG00000124942	48128	0.65	1.10E-32
50	ENST00000257570	ENSG00000135114	157	-0.13	0.68592
50	ENST00000257626	ENSG00000186088	39	0.10	0.87234
50	ENST00000257934	ENSG00000135476	2861	0.15	0.02174
50	ENST00000258111	ENSG00000135643	76	-0.18	0.61603
50	ENST00000258383	ENSG00000135900	889	-0.06	0.73602
50	ENST00000258390	ENSG00000135905	829	-0.38	0.00028
50	ENST00000258499	ENSG00000136014	6	-2.05	NA
50	ENST00000258729	ENSG00000136231	3013	-0.27	0.00012
50	ENST00000258947	ENSG00000136436	2819	-0.03	0.79082
50	ENST00000258991	ENSG00000136478	1314	-0.15	0.14576
50	ENST00000259234	ENSG00000136715	1126	-0.26	0.00130
50	ENST00000259455	ENSG00000136928	2	-4.47	NA
50	ENST00000259881	ENSG00000204540	116	0.14	0.65910
50	ENST00000260129	ENSG00000137574	1113	0.16	0.14994
50	ENST00000260197	ENSG00000137642	3667	-0.12	0.08311
50	ENST00000260327	ENSG00000137770	2727	-0.48	9.26E-10
50	ENST00000260408	ENSG00000137845	5459	-0.15	0.01504

50	ENST00000260605	ENSG00000138036	131	-0.49	0.06237
50	ENST00000260731	ENSG00000138160	4360	0.12	0.10701
50	ENST00000260970	ENSG00000138398	1059	0.00	0.98070
50	ENST00000261207	ENSG00000058272	2486	-0.37	5.15E-07
50	ENST00000261226	ENSG00000057704	8	0.40	NA
50	ENST00000261245	ENSG00000020426	249	-0.65	0.00036
50	ENST00000261275	ENSG00000104059	13	-3.46	9.76E-06
50	ENST00000261381	ENSG00000103489	4	-1.71	NA
50	ENST00000261383	ENSG00000158486	15	-1.25	0.09031
50	ENST00000261396	ENSG00000069248	2040	-0.49	1.37E-13
50	ENST00000261413	ENSG00000113048	4059	-0.41	1.64E-18
50	ENST00000261425	ENSG00000109790	2173	-0.03	0.77895
50	ENST00000261427	ENSG00000078140	2262	-0.31	0.00029
50	ENST00000261455	ENSG00000065600	402	-0.80	1.97E-14
50	ENST00000261509	ENSG00000129116	8349	-0.55	6.07E-38
50	ENST00000261584	ENSG00000083093	1189	-0.13	0.26280
50	ENST00000261588	ENSG00000047578	1116	-1.16	1.94E-45
50	ENST00000261590	ENSG00000046604	7886	-0.30	1.09E-08
50	ENST00000261609	ENSG00000128731	12587	-0.08	0.17227
50	ENST00000261674	ENSG00000061936	1502	0.01	0.93602
50	ENST00000261681	ENSG00000072415	1338	0.12	0.25472
50	ENST00000261716	ENSG00000160551	6602	-0.71	2.43E-40
50	ENST00000261726	ENSG00000111249	13	-3.12	9.09E-05
50	ENST00000261739	ENSG00000076513	828	-0.06	0.64723
50	ENST00000261745	ENSG00000111300	1712	0.15	0.03833
50	ENST00000261778	ENSG00000103047	675	-0.58	4.62E-10
50	ENST00000261798	ENSG00000113712	3797	0.11	0.10076
50	ENST00000261800	ENSG00000086570	61	-0.94	0.00384
50	ENST00000261839	ENSG00000128833	3284	-1.51	#####
50	ENST00000261854	ENSG00000138600	2095	-0.41	5.29E-07
50	ENST00000261875	ENSG00000074696	4112	-0.08	0.24717
50	ENST00000261942	ENSG00000113194	3211	-0.37	1.60E-09
50	ENST00000262031	ENSG00000076067	2067	-0.67	5.06E-22
50	ENST00000262053	ENSG00000123268	1024	0.09	0.47816
50	ENST00000262065	ENSG00000108960	196	-0.59	0.00041
50	ENST00000262138	ENSG00000075461	22	-0.99	0.08914
50	ENST00000262144	ENSG00000103091	877	-0.62	1.88E-15
50	ENST00000262207	ENSG00000121005	103	-0.80	0.00165
50	ENST00000262291	ENSG00000062716	11245	-0.25	0.00485
50	ENST00000262320	ENSG00000103126	2019	0.06	0.59271
50	ENST00000262367	ENSG00000005339	5545	0.10	0.14729
50	ENST00000262410	ENSG00000186868	53	-0.61	0.13566
50	ENST00000262424	ENSG00000103196	219	-1.64	2.02E-29
50	ENST00000262432	ENSG00000165055	1057	-0.35	3.76E-07
50	ENST00000262435	ENSG00000108854	820	-0.66	9.58E-13
50	ENST00000262510	ENSG00000140853	1243	-0.04	0.77397
50	ENST00000262715	ENSG00000129566	1536	-0.07	0.53107
50	ENST00000262764	ENSG00000087157	1229	-0.01	0.91842

50	ENST00000262811	ENSG00000099308	940	-0.13	0.19184
50	ENST00000262848	ENSG00000183943	920	-0.21	0.01629
50	ENST00000262942	ENSG00000241685	208	0.17	0.47662
50	ENST00000262966	ENSG00000008382	260	-0.13	0.55876
50	ENST00000263026	ENSG00000103319	3519	-0.25	2.03E-06
50	ENST00000263035	ENSG00000181192	864	-0.50	9.14E-10
50	ENST00000263073	ENSG00000070366	1283	-0.65	8.41E-21
50	ENST00000263087	ENSG00000083457	413	0.12	0.62820
50	ENST00000263119	ENSG00000099991	3062	-0.40	4.93E-14
50	ENST00000263168	ENSG00000116489	5268	0.04	0.66404
50	ENST00000263212	ENSG00000100034	801	-0.83	1.47E-22
50	ENST00000263256	ENSG00000100418	2417	-0.04	0.75805
50	ENST00000263265	ENSG00000105559	87	-0.20	0.56241
50	ENST00000263383	ENSG00000105135	1817	-0.06	0.66711
50	ENST00000263433	ENSG00000125503	1492	-0.39	6.52E-06
50	ENST00000263559	ENSG00000122958	1387	-0.34	5.70E-05
50	ENST00000263563	ENSG00000107719	248	-0.48	0.00617
50	ENST00000263579	ENSG00000110063	923	0.12	0.26281
50	ENST00000263650	ENSG00000021762	1832	0.15	0.07223
50	ENST00000263694	ENSG00000060688	2269	-0.02	0.82289
50	ENST00000263702	ENSG00000116353	754	-0.46	1.07E-08
50	ENST00000263707	ENSG00000115112	14	-0.31	0.77754
50	ENST00000263708	ENSG00000088179	810	0.12	0.41799
50	ENST00000263736	ENSG00000068784	569	-0.32	0.02984
50	ENST00000263791	ENSG00000128829	2912	0.00	0.98038
50	ENST00000263857	ENSG00000068654	4774	-0.06	0.35473
50	ENST00000263904	ENSG00000115145	697	-1.25	2.85E-44
50	ENST00000263932	ENSG00000120949	45	-0.77	0.06007
50	ENST00000263980	ENSG00000090020	810	-0.03	0.85739
50	ENST00000264012	ENSG00000062038	7	-1.10	NA
50	ENST00000264042	ENSG00000006607	1866	-0.32	0.00011
50	ENST00000264159	ENSG00000121988	308	-0.68	1.61E-06
50	ENST00000264170	ENSG00000115919	4014	0.34	1.00E-11
50	ENST00000264234	ENSG00000114638	47	-0.85	0.01927
50	ENST00000264313	ENSG00000109171	1564	-0.03	0.79817
50	ENST00000264377	ENSG00000114948	37	-0.13	0.83260
50	ENST00000264501	ENSG00000138688	3117	0.07	0.43838
50	ENST00000264663	ENSG00000112992	8599	0.19	1.90E-05
50	ENST00000264710	ENSG00000084733	3825	-0.73	9.43E-42
50	ENST00000264718	ENSG00000198522	613	-0.04	0.82454
50	ENST00000264720	ENSG00000115207	2597	-0.21	0.00022
50	ENST00000264731	ENSG00000073282	40	0.13	0.83595
50	ENST00000264741	ENSG00000144668	2	-1.47	NA
50	ENST00000264758	ENSG00000087274	3363	-0.47	4.35E-26
50	ENST00000264808	ENSG00000138738	233	-0.23	0.25332
50	ENST00000264832	ENSG00000090339	603	-0.60	1.84E-06
50	ENST00000264866	ENSG00000109680	286	-0.14	0.49499
50	ENST00000264868	ENSG00000091490	1768	-0.46	8.81E-16

50	ENST00000264914	ENSG00000113273	1639	-0.36	5.12E-07
50	ENST00000264952	ENSG00000114124	23	-0.40	0.59478
50	ENST00000264977	ENSG00000073711	201	-0.54	0.01481
50	ENST00000265062	ENSG00000075785	3576	-0.02	0.85393
50	ENST00000265080	ENSG00000113319	26	-1.21	0.02431
50	ENST00000265081	ENSG00000113318	1390	-0.28	0.00114
50	ENST00000265085	ENSG00000113742	2965	-0.09	0.30640
50	ENST00000265109	ENSG00000039560	6860	-0.41	1.44E-15
50	ENST00000265239	ENSG00000114473	182	-0.11	0.69181
50	ENST00000265260	ENSG00000081154	2293	-0.49	2.45E-09
50	ENST00000265351	ENSG00000124571	3026	-0.21	0.00039
50	ENST00000265371	ENSG00000099250	400	-0.84	1.16E-12
50	ENST00000265382	ENSG00000107242	100	-0.05	0.90500
50	ENST00000265465	ENSG00000014138	320	-0.57	8.89E-05
50	ENST00000265755	ENSG00000006704	3251	-0.54	4.62E-19
50	ENST00000265825	ENSG00000106328	3	1.07	NA
50	ENST00000265849	ENSG00000122512	883	-0.62	1.16E-12
50	ENST00000265997	ENSG00000107864	173	-0.25	0.20562
50	ENST00000266037	ENSG00000088538	39	0.18	0.76365
50	ENST00000266058	ENSG00000187122	7	-0.21	NA
50	ENST00000266254	ENSG00000100271	31	-1.04	0.02567
50	ENST00000266534	ENSG00000139173	182	-0.60	0.00218
50	ENST00000267811	ENSG00000140262	4219	-0.68	2.72E-37
50	ENST00000267978	ENSG00000140400	2430	-0.36	2.49E-06
50	ENST00000268043	ENSG00000140451	916	-0.51	1.58E-09
50	ENST00000268130	ENSG00000140527	4	1.40	NA
50	ENST00000268154	ENSG00000140548	445	0.14	0.41732
50	ENST00000268251	ENSG00000183044	5	-1.76	NA
50	ENST00000268459	ENSG00000140807	29	-2.18	1.59E-06
50	ENST00000268712	ENSG00000141027	7687	-0.46	1.19E-21
50	ENST00000269051	ENSG00000141314	36	-1.07	0.01020
50	ENST00000269142	ENSG00000141384	428	-0.51	4.68E-06
50	ENST00000269391	ENSG00000141576	92	-1.27	3.55E-06
50	ENST00000269701	ENSG00000105127	1223	-0.08	0.43966
50	ENST00000270112	ENSG00000142149	1182	-0.53	2.02E-12
50	ENST00000270115	ENSG00000161328	88	-0.30	0.37126
50	ENST00000270530	ENSG00000142459	381	-1.22	1.21E-24
50	ENST00000271277	ENSG00000143079	2153	-0.02	0.82095
50	ENST00000271373	ENSG00000143158	864	0.15	0.25223
50	ENST00000271469	ENSG00000117143	2028	0.05	0.56203
50	ENST00000271588	ENSG00000143341	312	-0.80	6.93E-10
50	ENST00000271640	ENSG00000143379	1708	-0.72	9.41E-26
50	ENST00000271915	ENSG00000143603	4	-2.05	NA
50	ENST00000272238	ENSG00000143882	4	-1.15	NA
50	ENST00000272321	ENSG00000143951	242	-0.54	0.00314
50	ENST00000272421	ENSG00000144031	7	0.70	NA
50	ENST00000272542	ENSG00000144136	2858	-0.09	0.16230
50	ENST00000272647	ENSG00000144233	1072	-0.61	2.80E-15

50	ENST00000272746	ENSG00000115935	2780	-0.12	0.11608
50	ENST00000272793	ENSG00000144357	1584	-0.32	8.12E-05
50	ENST00000273009	ENSG00000144535	1059	-0.10	0.38717
50	ENST00000273037	ENSG00000144559	410	-0.83	1.66E-13
50	ENST00000273077	ENSG00000127838	1005	-0.03	0.90092
50	ENST00000273130	ENSG00000144635	868	0.09	0.50119
50	ENST00000273183	ENSG00000144681	239	0.37	0.01498
50	ENST00000273353	ENSG00000144821	4	0.27	NA
50	ENST00000273398	ENSG00000114573	4484	-0.37	2.05E-10
50	ENST00000274000	ENSG00000138660	441	-0.30	0.03588
50	ENST00000274361	ENSG00000145700	7	-0.09	NA
50	ENST00000274498	ENSG00000145819	544	-0.62	4.56E-08
50	ENST00000274695	ENSG00000145996	584	-0.82	9.80E-21
50	ENST00000275072	ENSG00000146281	482	-0.10	0.49521
50	ENST00000275364	ENSG00000146535	2654	-0.25	6.19E-05
50	ENST00000275954	ENSG00000147027	1195	0.16	0.10961
50	ENST00000276141	ENSG00000102362	301	-0.26	0.15248
50	ENST00000276204	ENSG00000147251	580	0.22	0.16959
50	ENST00000276297	ENSG00000164741	113	-0.18	0.52102
50	ENST00000276480	ENSG00000147488	16	0.86	0.20166
50	ENST00000277462	ENSG00000148334	3592	-0.03	0.78151
50	ENST00000277554	ENSG00000148411	3681	-0.59	1.09E-16
50	ENST00000277570	ENSG00000148426	438	0.09	0.64563
50	ENST00000278422	ENSG00000213593	1722	-0.05	0.57155
50	ENST00000278483	ENSG00000149196	643	-0.41	5.41E-05
50	ENST00000279873	ENSG00000150347	2387	0.05	0.51364
50	ENST00000279907	ENSG00000111647	1196	0.02	0.86500
50	ENST00000280333	ENSG00000150760	2627	-0.45	1.71E-11
50	ENST00000280557	ENSG00000139726	1027	-0.23	0.00383
50	ENST00000280571	ENSG00000150977	212	-0.35	0.09898
50	ENST00000280758	ENSG00000151136	5	0.03	NA
50	ENST00000281081	ENSG00000151413	258	-0.45	0.02032
50	ENST00000281092	ENSG00000151422	1865	0.03	0.83155
50	ENST00000281141	ENSG00000151465	2234	-0.09	0.30301
50	ENST00000281171	ENSG00000151490	85	0.21	0.52870
50	ENST00000281441	ENSG00000151715	18	-1.01	0.24265
50	ENST00000281513	ENSG00000151779	1947	-0.14	0.11114
50	ENST00000281772	ENSG00000144445	492	0.13	0.45236
50	ENST00000281821	ENSG00000116106	175	0.26	0.29067
50	ENST00000282041	ENSG00000152223	1867	-0.24	0.00287
50	ENST00000282111	ENSG00000152284	30	-0.67	0.21814
50	ENST00000282226	ENSG00000152380	38	-0.39	0.41545
50	ENST00000282356	ENSG00000152495	248	-0.13	0.55565
50	ENST00000282541	ENSG00000152642	580	-0.26	0.03677
50	ENST00000282588	ENSG00000213949	3319	0.36	1.76E-11
50	ENST00000282878	ENSG00000152932	36	-0.99	0.04478
50	ENST00000282908	ENSG00000152953	563	-0.45	5.57E-06
50	ENST00000283147	ENSG00000153162	6166	-0.75	1.77E-45

50	ENST00000283228	ENSG00000153233	43	0.83	0.04065
50	ENST00000283233	ENSG00000153237	3	-0.15	NA
50	ENST00000283351	ENSG00000153339	1636	0.04	0.70131
50	ENST00000283365	ENSG00000134769	84	-0.04	0.92757
50	ENST00000283928	ENSG00000153814	257	-0.12	0.53107
50	ENST00000284110	ENSG00000153976	31	-0.30	0.60266
50	ENST00000284268	ENSG00000154122	6708	-0.14	0.00430
50	ENST00000284273	ENSG00000154127	193	-0.61	0.00048
50	ENST00000284719	ENSG00000138430	1514	-0.32	1.93E-05
50	ENST00000284776	ENSG00000154556	5787	-0.13	0.07227
50	ENST00000286234	ENSG00000155792	81	-0.19	0.57527
50	ENST00000286548	ENSG00000156052	1174	-0.59	4.33E-11
50	ENST00000286744	ENSG00000156218	220	-0.70	6.02E-06
50	ENST00000286760	ENSG00000156232	577	-0.01	0.94677
50	ENST00000286827	ENSG00000156299	33	-1.10	0.05415
50	ENST00000287218	ENSG00000156639	955	-0.17	0.13873
50	ENST00000287437	ENSG00000156831	366	-0.60	0.00013
50	ENST00000287546	ENSG00000156931	880	-0.42	3.79E-05
50	ENST00000287701	ENSG00000147421	942	-0.61	4.61E-10
50	ENST00000287713	ENSG00000157064	50	-0.97	0.00456
50	ENST00000287727	ENSG00000157077	752	-0.37	0.00071
50	ENST00000288350	ENSG00000157578	36	-0.10	0.88580
50	ENST00000288699	ENSG00000157851	5	-0.74	NA
50	ENST00000288912	ENSG00000158023	105	0.24	0.45611
50	ENST00000289292	ENSG00000158352	33	-0.65	0.18352
50	ENST00000289316	ENSG00000158373	3298	-0.12	0.31976
50	ENST00000289371	ENSG00000158417	2333	0.11	0.32267
50	ENST00000290101	ENSG00000076864	629	0.00	0.98431
50	ENST00000290244	ENSG00000205758	366	-0.31	0.03465
50	ENST00000290607	ENSG00000159433	1154	-0.15	0.21305
50	ENST00000291539	ENSG00000160191	37	-0.50	0.31696
50	ENST00000291560	ENSG00000160207	72	-0.03	0.95313
50	ENST00000292246	ENSG00000160746	911	-1.65	7.10E-57
50	ENST00000292599	ENSG00000161021	2626	-0.34	8.36E-09
50	ENST00000292852	ENSG00000269190	98	-0.97	2.29E-05
50	ENST00000293771	ENSG00000161914	128	-0.12	0.70925
50	ENST00000293981	ENSG00000162076	904	0.39	0.00022
50	ENST00000294168	ENSG00000162227	601	-0.75	2.36E-12
50	ENST00000294179	ENSG00000162236	1198	-0.01	0.95454
50	ENST00000294353	ENSG00000162378	1311	-0.27	0.00284
50	ENST00000294543	ENSG00000162542	613	-2.30	1.82E-96
50	ENST00000295031	ENSG00000162929	508	-0.39	0.01381
50	ENST00000295055	ENSG00000162949	8	-1.78	NA
50	ENST00000295065	ENSG00000162959	71	0.21	0.62618
50	ENST00000295400	ENSG00000163235	31	-1.66	0.00446
50	ENST00000295797	ENSG00000163558	2371	-0.33	1.70E-07
50	ENST00000295958	ENSG00000163683	527	0.06	0.73368
50	ENST00000295971	ENSG00000163694	832	-0.69	6.96E-17

50	ENST00000296043	ENSG00000138771	2764	-0.53	5.64E-23
50	ENST00000296149	ENSG00000163832	739	-0.09	0.52165
50	ENST00000296252	ENSG00000163898	155	0.19	0.52428
50	ENST00000296486	ENSG00000164089	413	-0.08	0.66778
50	ENST00000296861	ENSG00000146072	2147	0.04	0.66388
50	ENST00000296953	ENSG00000164463	349	0.12	0.52647
50	ENST00000297029	ENSG00000006747	12	0.70	0.34683
50	ENST00000297313	ENSG00000147509	27	0.07	0.93137
50	ENST00000297405	ENSG00000164796	3	0.80	NA
50	ENST00000297423	ENSG00000164808	647	-1.19	8.75E-36
50	ENST00000297440	ENSG00000164818	3060	-0.05	0.50924
50	ENST00000297814	ENSG00000165115	117	0.57	0.02925
50	ENST00000297875	ENSG00000147041	39	-1.22	0.00329
50	ENST00000297979	ENSG00000148120	2025	0.18	0.03970
50	ENST00000298097	ENSG00000165355	675	-0.22	0.02149
50	ENST00000298125	ENSG00000139668	673	0.12	0.33726
50	ENST00000298130	ENSG00000165389	1543	-0.80	5.35E-22
50	ENST00000298705	ENSG00000165807	30	-0.28	0.64274
50	ENST00000298767	ENSG00000062650	2459	0.09	0.26886
50	ENST00000298876	ENSG00000165935	7	0.05	NA
50	ENST00000298912	ENSG00000165959	62	-0.35	0.42161
50	ENST00000299088	ENSG00000100802	197	-0.97	4.86E-09
50	ENST00000299192	ENSG00000155393	667	-0.19	0.07614
50	ENST00000299505	ENSG00000166398	795	-0.31	0.00214
50	ENST00000299565	ENSG00000169684	870	-0.25	0.00664
50	ENST00000299736	ENSG00000166582	1136	-0.10	0.29374
50	ENST00000299954	ENSG00000154217	3828	-1.11	1.58E-81
50	ENST00000300456	ENSG00000167114	2443	0.10	0.22857
50	ENST00000300737	ENSG00000167323	1107	-0.21	0.01658
50	ENST00000300896	ENSG00000170832	2423	-0.42	5.26E-16
50	ENST00000301031	ENSG00000167523	234	0.07	0.79307
50	ENST00000301178	ENSG00000167601	5502	-0.04	0.58999
50	ENST00000301180	ENSG00000066084	2727	-0.52	1.28E-21
50	ENST00000301364	ENSG00000167721	5147	0.08	0.05866
50	ENST00000301633	ENSG00000089685	4115	0.06	0.51590
50	ENST00000301656	ENSG00000171446	18	-1.75	0.00357
50	ENST00000301873	ENSG00000168056	2602	-0.13	0.22950
50	ENST00000302251	ENSG00000170962	114	-0.15	0.60781
50	ENST00000302558	ENSG00000169629	180	-0.06	0.85882
50	ENST00000302850	ENSG00000171105	1198	-0.78	1.53E-28
50	ENST00000302874	ENSG00000168228	317	-1.08	8.44E-13
50	ENST00000302937	ENSG00000170892	961	-0.40	0.00022
50	ENST00000303142	ENSG00000171984	30	-0.59	0.30256
50	ENST00000303329	ENSG00000172379	92	-1.67	4.65E-10
50	ENST00000303334	ENSG00000172828	157	-0.32	0.14755
50	ENST00000303575	ENSG00000170348	7205	0.09	0.09050
50	ENST00000303635	ENSG00000171735	884	-0.38	7.29E-06
50	ENST00000303924	ENSG00000170961	166	0.17	0.58104

50	ENST00000304032	ENSG00000157985	1964	-1.32	9.03E-73
50	ENST00000304363	ENSG00000110066	1234	-0.06	0.58288
50	ENST00000304514	ENSG00000153165	20	-0.14	0.87060
50	ENST00000304760	ENSG00000169291	3	-2.23	NA
50	ENST00000304858	ENSG00000170606	6240	-0.61	1.11E-28
50	ENST00000304987	ENSG00000170145	1537	-0.30	8.90E-05
50	ENST00000304992	ENSG00000174231	32229	0.12	0.02020
50	ENST00000305108	ENSG00000171840	265	-2.94	2.50E-53
50	ENST00000305135	ENSG00000163872	2277	-0.45	7.59E-13
50	ENST00000305560	ENSG00000171763	885	-0.42	2.18E-06
50	ENST00000305768	ENSG00000121289	639	0.22	0.06893
50	ENST00000305798	ENSG00000168785	48	-0.79	0.01475
50	ENST00000305879	ENSG00000170627	16	-1.14	0.07318
50	ENST00000305921	ENSG00000170836	828	-0.38	2.73E-05
50	ENST00000305997	ENSG00000143797	1015	-0.26	0.00803
50	ENST00000306108	ENSG00000171103	388	-0.65	1.65E-08
50	ENST00000306156	ENSG00000171132	348	-0.19	0.26361
50	ENST00000306315	ENSG00000168916	147	0.51	0.02992
50	ENST00000306320	ENSG00000154153	2067	-0.09	0.28796
50	ENST00000306390	ENSG00000171236	22	-0.10	0.90150
50	ENST00000306402	ENSG00000095637	25	-0.84	0.11712
50	ENST00000306764	ENSG00000172348	2	-0.34	NA
50	ENST00000307017	ENSG00000170185	1388	-0.38	9.32E-06
50	ENST00000307138	ENSG00000174373	1775	-0.04	0.75011
50	ENST00000307602	ENSG00000168172	2016	-0.21	0.01860
50	ENST00000307630	ENSG00000170027	9903	-0.06	0.27974
50	ENST00000307767	ENSG00000171928	828	0.20	0.05122
50	ENST00000308191	ENSG00000171408	1126	-0.23	0.00761
50	ENST00000308249	ENSG00000175175	10	-1.45	0.08869
50	ENST00000308436	ENSG00000149016	363	-0.25	0.09678
50	ENST00000308488	ENSG00000048649	2490	-0.04	0.74190
50	ENST00000308508	ENSG00000173546	1255	-0.17	0.14278
50	ENST00000308660	ENSG00000173926	57	-0.29	0.45019
50	ENST00000309032	ENSG00000002330	1213	0.05	0.69867
50	ENST00000309048	ENSG00000175279	12	0.09	0.93367
50	ENST00000309137	ENSG00000172775	1924	-0.20	0.00239
50	ENST00000309415	ENSG00000172985	11	-0.66	0.51565
50	ENST00000309422	ENSG00000173511	1753	-0.45	5.10E-08
50	ENST00000309469	ENSG00000130734	504	-0.21	0.15698
50	ENST00000309507	ENSG00000132321	109	-0.77	0.00455
50	ENST00000309755	ENSG00000146021	96	-0.73	0.01799
50	ENST00000309863	ENSG00000135968	1474	-0.62	1.73E-10
50	ENST00000309971	ENSG00000119392	2725	-0.95	6.10E-75
50	ENST00000310018	ENSG00000105929	49	0.13	0.81972
50	ENST00000310604	ENSG00000172992	749	-0.65	4.22E-09
50	ENST00000310653	ENSG00000175582	2605	-0.21	0.00022
50	ENST00000310715	ENSG00000156042	18	-0.27	0.74685
50	ENST00000311127	ENSG00000173706	6623	-0.56	4.12E-24

50	ENST00000311148	ENSG00000184227	58	-0.28	0.54723
50	ENST00000311160	ENSG00000136205	3132	-0.15	0.02037
50	ENST00000311227	ENSG00000074219	945	-0.41	2.01E-06
50	ENST00000311350	ENSG00000122557	643	0.14	0.29631
50	ENST00000312397	ENSG00000175467	1327	0.00	0.99694
50	ENST00000312431	ENSG00000151914	9575	-0.33	1.04E-05
50	ENST00000312719	ENSG00000249853	20	-0.37	0.60414
50	ENST00000312994	ENSG00000081177	645	-0.24	0.01476
50	ENST00000313056	ENSG00000181396	998	-0.20	0.07547
50	ENST00000313070	ENSG00000081803	39	-0.98	0.03522
50	ENST00000313334	ENSG00000134717	1565	-0.12	0.17107
50	ENST00000313486	ENSG00000174238	1932	-0.53	1.20E-15
50	ENST00000313546	ENSG00000139323	349	-0.28	0.06232
50	ENST00000313669	ENSG00000160963	33	-0.69	0.13566
50	ENST00000313698	ENSG00000111271	530	-0.58	2.60E-08
50	ENST00000314088	ENSG00000180573	4543	-0.16	0.27980
50	ENST00000314117	ENSG00000181826	480	0.17	0.20152
50	ENST00000314358	ENSG00000120733	4909	-0.51	1.24E-32
50	ENST00000314565	ENSG00000165714	545	-0.43	3.08E-06
50	ENST00000314607	ENSG00000146463	2672	-0.99	4.62E-47
50	ENST00000315073	ENSG00000146063	1559	0.02	0.85704
50	ENST00000315273	ENSG00000151693	1821	-0.18	0.00646
50	ENST00000315322	ENSG00000128581	723	-0.11	0.46511
50	ENST00000315571	ENSG00000179241	382	-0.44	0.00044
50	ENST00000315588	ENSG00000063322	1634	-0.15	0.04225
50	ENST00000316334	ENSG00000139517	657	-0.06	0.68397
50	ENST00000316423	ENSG00000109814	1490	0.23	0.00069
50	ENST00000316534	ENSG00000144061	75	-0.05	0.91744
50	ENST00000316615	ENSG00000177885	3290	-0.41	5.24E-10
50	ENST00000316731	ENSG00000146574	413	-0.13	0.48305
50	ENST00000316902	ENSG00000092068	12	-0.32	0.79082
50	ENST00000317025	ENSG00000147548	2952	-0.13	0.02596
50	ENST00000317058	ENSG00000176476	367	-0.51	0.00020
50	ENST00000317147	ENSG00000125107	11938	-0.10	0.05500
50	ENST00000317376	ENSG00000107742	76	-0.49	0.15141
50	ENST00000317398	ENSG00000083814	36	0.19	0.77919
50	ENST00000317568	ENSG00000126391	1900	-0.34	0.00025
50	ENST00000317977	ENSG00000154025	8	-0.55	NA
50	ENST00000318003	ENSG00000132024	1825	-0.59	3.78E-17
50	ENST00000318066	ENSG00000177889	1401	-0.27	0.00010
50	ENST00000318130	ENSG00000116406	1816	-0.12	0.18524
50	ENST00000318160	ENSG00000180875	44	-2.50	7.91E-11
50	ENST00000318522	ENSG00000143924	2291	-0.33	2.06E-06
50	ENST00000318579	ENSG00000005102	100	-0.37	0.34969
50	ENST00000318596	ENSG00000181035	190	-0.35	0.10017
50	ENST00000318709	ENSG00000105778	1988	-0.06	0.62813
50	ENST00000318876	ENSG00000165861	400	-0.50	0.00151
50	ENST00000319080	ENSG00000175727	2507	-0.02	0.84961

50	ENST00000319194	ENSG00000166938	1429	-0.50	2.54E-12
50	ENST00000319285	ENSG00000179958	1453	-0.32	0.00444
50	ENST00000319432	ENSG00000125633	1344	-0.37	2.68E-06
50	ENST00000319449	ENSG00000176783	1115	-0.34	1.46E-05
50	ENST00000319562	ENSG00000152767	8856	-0.55	1.67E-33
50	ENST00000319670	ENSG00000104880	689	-0.84	3.14E-18
50	ENST00000319725	ENSG00000107164	3099	-0.26	5.70E-05
50	ENST00000319980	ENSG00000032742	243	-0.45	0.00742
50	ENST00000320057	ENSG00000144730	16	0.57	0.44447
50	ENST00000320129	ENSG00000178187	7	-2.13	NA
50	ENST00000320152	ENSG00000099256	127	-0.43	0.13238
50	ENST00000320394	ENSG00000174628	155	-0.11	0.72767
50	ENST00000320567	ENSG00000175707	5	-0.89	NA
50	ENST00000320640	ENSG00000129636	1393	-0.27	8.50E-05
50	ENST00000320892	ENSG00000151692	49	-1.06	0.00090
50	ENST00000320934	ENSG00000160613	1804	-0.21	0.00188
50	ENST00000321196	ENSG00000179104	323	-0.71	4.55E-07
50	ENST00000321341	ENSG00000082212	1068	-0.61	1.65E-13
50	ENST00000321556	ENSG00000158828	1223	-0.26	0.00658
50	ENST00000321582	ENSG00000175764	130	-0.01	0.97518
50	ENST00000321599	ENSG00000176095	2316	-0.30	3.36E-06
50	ENST00000321662	ENSG00000180998	65	-0.34	0.34924
50	ENST00000322266	ENSG00000102882	980	-0.02	0.91662
50	ENST00000322285	ENSG00000122012	880	-0.43	5.80E-06
50	ENST00000322349	ENSG00000102189	884	-0.38	0.00166
50	ENST00000322954	ENSG00000137831	897	-0.28	0.00702
50	ENST00000323557	ENSG00000112146	1272	-0.71	7.19E-25
50	ENST00000323563	ENSG00000102738	263	-0.25	0.20266
50	ENST00000323817	ENSG00000155111	439	-0.62	3.73E-08
50	ENST00000324109	ENSG00000107554	5899	-0.06	0.39249
50	ENST00000324432	ENSG00000091073	445	-0.03	0.87452
50	ENST00000324501	ENSG00000080815	1492	-0.18	0.02142
50	ENST00000324631	ENSG00000165995	74	-0.73	0.00933
50	ENST00000324765	ENSG00000147202	509	-1.94	9.14E-59
50	ENST00000324774	ENSG00000110931	1512	-0.33	0.00012
50	ENST00000325212	ENSG00000166004	3407	0.33	1.40E-06
50	ENST00000325636	ENSG00000180425	54	-0.15	0.79133
50	ENST00000325680	ENSG00000119596	3368	-0.11	0.11576
50	ENST00000325722	ENSG00000142687	2393	-0.04	0.63356
50	ENST00000325844	ENSG00000181991	1536	-1.06	2.33E-56
50	ENST00000325954	ENSG00000022840	3607	0.02	0.79160
50	ENST00000325974	ENSG00000122674	698	0.00	0.97937
50	ENST00000326035	ENSG00000177453	19	-0.59	0.41889
50	ENST00000326291	ENSG00000083535	734	-0.18	0.25257
50	ENST00000326648	ENSG00000180357	3037	-0.80	1.79E-55
50	ENST00000326685	ENSG00000173210	80	0.13	0.70053
50	ENST00000326737	ENSG00000180423	142	0.35	0.15234
50	ENST00000326877	ENSG00000178177	680	-0.34	0.00504

50	ENST00000327347	ENSG00000086475	1722	-0.12	0.12054
50	ENST00000327367	ENSG00000166949	3045	-0.01	0.91551
50	ENST00000327423	ENSG00000183530	2610	-0.75	2.03E-34
50	ENST00000327671	ENSG00000172728	568	-0.34	0.00365
50	ENST00000327757	ENSG00000163803	22	0.27	0.69048
50	ENST00000327813	ENSG00000183762	255	-0.30	0.11712
50	ENST00000327835	ENSG00000164684	638	-0.69	1.07E-11
50	ENST00000327858	ENSG00000077942	17059	-0.12	0.05756
50	ENST00000327979	ENSG00000042062	3	-0.51	NA
50	ENST00000328041	ENSG00000185052	10	-1.42	0.23642
50	ENST00000328086	ENSG00000155592	681	-0.29	0.00180
50	ENST00000328194	ENSG00000184014	3626	-0.02	0.85894
50	ENST00000328257	ENSG00000214517	2763	-0.51	2.61E-23
50	ENST00000328300	ENSG00000188153	9297	0.04	0.53917
50	ENST00000328457	ENSG00000182836	4	-0.78	NA
50	ENST00000328705	ENSG00000180881	52	0.00	0.99879
50	ENST00000328834	ENSG00000182973	1250	-1.66	3.15E-93
50	ENST00000329474	ENSG00000079691	1006	-0.68	2.95E-13
50	ENST00000329559	ENSG00000183648	400	0.17	0.44857
50	ENST00000330125	ENSG00000184708	789	0.07	0.61634
50	ENST00000330208	ENSG00000126091	408	0.17	0.39182
50	ENST00000330317	ENSG00000160193	1178	-0.56	7.53E-16
50	ENST00000330636	ENSG00000214113	578	-1.28	1.19E-51
50	ENST00000330676	ENSG00000185561	191	0.06	0.86894
50	ENST00000330714	ENSG00000183486	31	-0.99	0.06741
50	ENST00000331057	ENSG00000185716	412	-0.28	0.04740
50	ENST00000331242	ENSG00000135164	1619	0.20	0.09762
50	ENST00000332175	ENSG00000173482	2197	-0.09	0.26138
50	ENST00000332408	ENSG00000185634	28	0.26	0.73462
50	ENST00000333274	ENSG00000184349	933	-0.08	0.54004
50	ENST00000333461	ENSG00000141750	1847	-0.60	9.40E-14
50	ENST00000334049	ENSG00000141404	516	-0.70	1.46E-10
50	ENST00000334370	ENSG00000105429	3945	-0.35	6.19E-06
50	ENST00000334464	ENSG00000165650	2925	-0.06	0.48839
50	ENST00000334534	ENSG00000149346	322	-0.07	0.70430
50	ENST00000334660	ENSG00000187446	4753	-0.24	7.92E-06
50	ENST00000334701	ENSG00000080824	23551	0.09	0.27187
50	ENST00000334955	ENSG00000187257	1023	-0.18	0.09100
50	ENST00000335185	ENSG00000186714	3	0.50	NA
50	ENST00000335263	ENSG00000140153	462	-0.25	0.05242
50	ENST00000335325	ENSG00000186187	371	-0.17	0.22157
50	ENST00000335420	ENSG00000128607	1674	-0.14	0.08822
50	ENST00000335473	ENSG00000133454	2	-2.39	NA
50	ENST00000335509	ENSG00000186815	2774	-0.86	1.68E-45
50	ENST00000335574	ENSG00000101294	5601	-0.25	3.01E-07
50	ENST00000335621	ENSG00000186710	18	1.18	0.02632
50	ENST00000335643	ENSG00000186625	311	-0.11	0.57048
50	ENST00000335670	ENSG00000069667	71	-0.39	0.31159

50	ENST00000335693	ENSG00000175600	22	-1.20	0.04315
50	ENST00000335866	ENSG00000106070	2858	0.00	0.97438
50	ENST00000335894	ENSG00000103599	112	-0.19	0.56500
50	ENST00000336075	ENSG00000168765	346	0.00	0.98171
50	ENST00000336156	ENSG00000100364	3844	-0.30	1.29E-07
50	ENST00000336199	ENSG00000117020	27	-0.12	0.86034
50	ENST00000336314	ENSG00000155506	20964	-0.15	0.00055
50	ENST00000336505	ENSG00000173611	698	-0.48	5.23E-06
50	ENST00000336564	ENSG00000124444	236	-0.23	0.19986
50	ENST00000336596	ENSG00000044524	42	0.08	0.89413
50	ENST00000336648	ENSG00000159267	988	-0.33	7.05E-05
50	ENST00000336714	ENSG00000101310	1529	0.00	0.97832
50	ENST00000336868	ENSG00000167693	936	-0.62	7.32E-13
50	ENST00000336926	ENSG00000127946	1326	-0.76	1.84E-36
50	ENST00000337014	ENSG00000169660	353	-0.19	0.23508
50	ENST00000337273	ENSG00000083312	8069	0.00	0.98208
50	ENST00000337288	ENSG00000084090	5596	-0.17	0.01511
50	ENST00000337318	ENSG00000189319	652	-0.20	0.09106
50	ENST00000337351	ENSG00000007392	1138	-0.25	0.01041
50	ENST00000337743	ENSG00000089123	201	0.14	0.49825
50	ENST00000337827	ENSG00000100626	42	-0.07	0.90420
50	ENST00000337929	ENSG00000103522	9	-2.22	0.02515
50	ENST00000338056	ENSG00000105784	40	-0.60	0.25428
50	ENST00000338145	ENSG00000109332	3913	-0.10	0.11238
50	ENST00000338148	ENSG00000185414	1124	-0.30	0.00024
50	ENST00000338458	ENSG00000163947	243	-0.58	0.00015
50	ENST00000339137	ENSG00000187753	11	-0.05	0.97200
50	ENST00000339468	ENSG00000100027	21	-1.05	0.13264
50	ENST00000339746	ENSG00000135299	5	-2.24	NA
50	ENST00000339859	ENSG00000166348	645	-0.28	0.02653
50	ENST00000340171	ENSG00000174928	20	-0.07	0.93763
50	ENST00000340415	ENSG00000172794	6	-0.03	NA
50	ENST00000340533	ENSG00000166347	447	0.12	0.50855
50	ENST00000340553	ENSG00000170802	710	0.01	0.95170
50	ENST00000340587	ENSG00000106852	76	-0.12	0.76619
50	ENST00000340648	ENSG00000160208	4563	-0.44	3.28E-23
50	ENST00000340940	ENSG00000188883	24	-1.82	0.00065
50	ENST00000340951	ENSG00000187609	226	-0.34	0.04548
50	ENST00000341130	ENSG00000188051	2	-3.36	NA
50	ENST00000341162	ENSG00000119616	1073	-0.36	0.00016
50	ENST00000341164	ENSG00000166704	27	0.77	0.15835
50	ENST00000341394	ENSG00000135387	14287	-0.09	0.03914
50	ENST00000341533	ENSG00000161048	353	-0.17	0.35808
50	ENST00000341550	ENSG00000111653	465	-0.60	1.65E-08
50	ENST00000341590	ENSG00000073712	4656	-0.17	0.02337
50	ENST00000341594	ENSG00000131018	3571	0.05	0.59815
50	ENST00000341653	ENSG00000125952	1047	0.02	0.90468
50	ENST00000341657	ENSG00000185722	4947	-0.49	1.58E-30

50	ENST00000341695	ENSG00000138777	1255	0.08	0.53400
50	ENST00000341785	ENSG00000143340	327	-0.34	0.03398
50	ENST00000341865	ENSG00000188112	241	-0.20	0.31671
50	ENST00000342228	ENSG00000168575	742	-0.22	0.09456
50	ENST00000342287	ENSG00000167081	326	-0.54	0.00374
50	ENST00000342380	ENSG00000188886	7	-2.00	NA
50	ENST00000342415	ENSG00000168566	1298	-0.21	0.01711
50	ENST00000342502	ENSG00000166130	1321	0.36	4.62E-08
50	ENST00000342704	ENSG00000078699	721	-0.47	1.75E-06
50	ENST00000342771	ENSG00000158321	542	-0.78	7.27E-12
50	ENST00000343067	ENSG00000159023	1654	-0.82	7.24E-44
50	ENST00000343546	ENSG00000178467	1644	-0.36	1.16E-06
50	ENST00000343632	ENSG00000100083	1391	-0.68	1.02E-24
50	ENST00000343761	ENSG00000163331	37	-1.62	0.00031
50	ENST00000343796	ENSG00000113580	6665	-0.30	3.51E-09
50	ENST00000344034	ENSG00000115241	2994	-0.33	1.31E-06
50	ENST00000344293	ENSG00000165632	539	-0.30	0.00511
50	ENST00000344641	ENSG00000148187	2955	0.11	0.09852
50	ENST00000344773	ENSG00000158019	446	-0.26	0.09917
50	ENST00000344951	ENSG00000036257	2567	-0.16	0.04464
50	ENST00000344954	ENSG00000151702	73	0.13	0.77397
50	ENST00000345093	ENSG00000181852	1088	-0.17	0.10386
50	ENST00000345097	ENSG00000053254	1975	-0.06	0.39896
50	ENST00000345127	ENSG00000139174	52	-2.05	4.15E-12
50	ENST00000345146	ENSG00000138413	2420	-0.25	0.00050
50	ENST00000345617	ENSG00000068024	2269	-0.25	0.00019
50	ENST00000345728	ENSG00000149781	24	-0.58	0.51486
50	ENST00000346085	ENSG00000049618	4189	-0.39	1.46E-11
50	ENST00000346183	ENSG00000072736	1161	-0.13	0.13070
50	ENST00000346991	ENSG00000137812	4083	0.25	0.00065
50	ENST00000347140	ENSG00000179912	353	-1.29	2.28E-23
50	ENST00000347635	ENSG00000093000	4538	0.08	0.17237
50	ENST00000348035	ENSG00000136238	5133	0.00	0.98620
50	ENST00000348165	ENSG00000009335	3542	-0.73	1.21E-35
50	ENST00000348502	ENSG00000068366	4553	-0.06	0.55380
50	ENST00000349004	ENSG00000101079	1077	-0.51	7.68E-12
50	ENST00000349456	ENSG00000163001	389	-0.19	0.25092
50	ENST00000349533	ENSG00000116678	601	-1.04	5.70E-20
50	ENST00000349792	ENSG00000143398	3579	-0.41	1.26E-11
50	ENST00000350221	ENSG00000150667	48	0.22	0.69555
50	ENST00000350721	ENSG00000175054	2657	-0.19	0.02004
50	ENST00000352632	ENSG00000160460	6	0.13	NA
50	ENST00000353196	ENSG00000131473	25518	-0.16	0.00029
50	ENST00000353364	ENSG00000135655	1492	-0.11	0.29620
50	ENST00000353442	ENSG00000105983	1554	-0.29	0.00013
50	ENST00000354179	ENSG00000165671	7472	-0.36	1.23E-15
50	ENST00000354212	ENSG00000187391	11	-0.25	0.83029
50	ENST00000354300	ENSG00000196850	1246	-0.10	0.39134

50	ENST00000354449	ENSG00000197548	918	-0.91	1.50E-27
50	ENST00000354489	ENSG00000111837	3	-1.33	NA
50	ENST00000354534	ENSG00000196876	11	-1.88	0.01603
50	ENST00000354552	ENSG00000168386	18	1.94	0.00237
50	ENST00000354619	ENSG00000086619	54	0.12	0.80750
50	ENST00000354638	ENSG00000104044	15	0.27	0.78779
50	ENST00000354650	ENSG00000010810	1994	-0.01	0.92828
50	ENST00000354764	ENSG00000197121	1128	-0.38	0.00069
50	ENST00000354870	ENSG00000168487	4202	-0.05	0.61393
50	ENST00000354883	ENSG00000144741	307	-0.59	4.74E-05
50	ENST00000354957	ENSG00000198093	3	-0.67	NA
50	ENST00000354992	ENSG00000133424	2	-5.55	NA
50	ENST00000355044	ENSG00000107518	6	-0.16	NA
50	ENST00000355086	ENSG00000196935	1768	0.02	0.88621
50	ENST00000355112	ENSG00000197299	1872	-0.34	3.42E-05
50	ENST00000355114	ENSG00000196357	90	-0.10	0.80534
50	ENST00000355166	ENSG00000062524	3	-2.36	NA
50	ENST00000355280	ENSG00000141503	3480	-0.06	0.50955
50	ENST00000355286	ENSG00000112319	2578	-0.01	0.90805
50	ENST00000355354	ENSG00000196776	1463	-0.16	0.04624
50	ENST00000355387	ENSG00000187147	2157	-0.15	0.05986
50	ENST00000355439	ENSG00000215790	899	-0.50	6.18E-09
50	ENST00000355528	ENSG00000141556	4004	-0.45	1.06E-20
50	ENST00000355557	ENSG00000196387	236	0.36	0.01481
50	ENST00000355630	ENSG00000196588	1853	-0.55	2.17E-14
50	ENST00000355774	ENSG00000119684	878	0.13	0.26490
50	ENST00000355899	ENSG00000102024	12098	-0.26	2.57E-07
50	ENST00000355917	ENSG00000047579	220	-0.63	0.00119
50	ENST00000355972	ENSG00000101040	942	0.00	0.97911
50	ENST00000356031	ENSG00000152582	330	0.35	0.02780
50	ENST00000356083	ENSG00000196739	1764	-0.25	0.00520
50	ENST00000356146	ENSG00000100490	198	0.01	0.96948
50	ENST00000356206	ENSG00000197217	1808	0.07	0.40525
50	ENST00000356218	ENSG00000139926	573	0.31	0.00395
50	ENST00000356341	ENSG00000149269	971	0.17	0.08280
50	ENST00000356401	ENSG00000177479	3223	-0.10	0.11601
50	ENST00000356438	ENSG00000198331	37	-0.12	0.85517
50	ENST00000356711	ENSG00000041515	265	-0.42	0.00260
50	ENST00000356920	ENSG00000188219	52	-0.26	0.64723
50	ENST00000356956	ENSG00000197081	18019	-0.29	6.78E-19
50	ENST00000356970	ENSG00000121940	1655	0.01	0.90326
50	ENST00000357033	ENSG00000198947	1923	0.55	6.04E-17
50	ENST00000357037	ENSG00000177469	11245	0.09	0.26628
50	ENST00000357115	ENSG00000198589	3383	-0.27	3.60E-06
50	ENST00000357162	ENSG00000132549	1904	-0.75	2.19E-25
50	ENST00000357232	ENSG00000197410	3	1.68	NA
50	ENST00000357258	ENSG00000181722	1624	-0.55	2.90E-13
50	ENST00000357276	ENSG00000138375	801	0.03	0.84194

50	ENST00000357447	ENSG00000151474	67	-0.96	0.00066
50	ENST00000357505	ENSG00000244754	1824	-0.80	4.65E-19
50	ENST00000357533	ENSG00000083067	101	-0.14	0.70521
50	ENST00000357681	ENSG00000058668	2757	-0.16	0.02091
50	ENST00000357716	ENSG00000196277	8	-0.07	NA
50	ENST00000357731	ENSG00000172260	1043	-0.54	7.72E-09
50	ENST00000357847	ENSG00000146416	480	-0.75	2.16E-13
50	ENST00000357947	ENSG00000095587	4	-0.62	NA
50	ENST00000357988	ENSG00000172943	1496	-0.09	0.35896
50	ENST00000357996	ENSG00000171055	518	-0.16	0.22210
50	ENST00000358015	ENSG00000119318	5854	-0.06	0.36381
50	ENST00000358075	ENSG00000102158	3026	-0.14	0.03943
50	ENST00000358077	ENSG00000196730	91	-1.00	0.00024
50	ENST00000358151	ENSG00000173258	457	-0.53	0.00017
50	ENST00000358293	ENSG00000196227	806	0.01	0.92935
50	ENST00000358337	ENSG00000120314	1896	0.05	0.65591
50	ENST00000358395	ENSG00000101236	1282	-0.22	0.00852
50	ENST00000358460	ENSG00000182518	145	-0.61	0.00344
50	ENST00000358461	ENSG00000196526	3605	0.20	0.00080
50	ENST00000358657	ENSG00000050438	6	-1.27	NA
50	ENST00000358691	ENSG00000198265	3263	-0.11	0.18554
50	ENST00000358776	ENSG00000196177	188	-0.05	0.85114
50	ENST00000358869	ENSG00000197712	1670	0.28	1.90E-06
50	ENST00000358935	ENSG00000198060	892	-0.32	0.00642
50	ENST00000359015	ENSG00000197442	974	-0.10	0.37417
50	ENST00000359062	ENSG00000172572	22634	-0.22	3.32E-07
50	ENST00000359139	ENSG00000100239	2420	-0.41	1.90E-11
50	ENST00000359171	ENSG00000110713	6883	-0.10	0.03868
50	ENST00000359246	ENSG00000197724	2042	-0.14	0.07109
50	ENST00000359263	ENSG00000138119	8188	0.10	0.04070
50	ENST00000359276	ENSG00000047230	945	-0.14	0.17088
50	ENST00000359428	ENSG00000126883	5846	0.06	0.31513
50	ENST00000359568	ENSG00000160299	3818	-0.03	0.75282
50	ENST00000359596	ENSG00000196218	21	-1.60	0.00507
50	ENST00000359655	ENSG00000156502	781	-0.02	0.89244
50	ENST00000359775	ENSG00000175048	273	-0.17	0.39899
50	ENST00000359843	ENSG00000111206	6367	-0.39	6.66E-23
50	ENST00000359901	ENSG00000196912	275	0.29	0.14112
50	ENST00000359918	ENSG00000167311	5	-1.22	NA
50	ENST00000359942	ENSG00000197429	428	-0.32	0.00796
50	ENST00000360057	ENSG00000196511	71	-0.61	0.06296
50	ENST00000360096	ENSG00000196503	6	0.18	NA
50	ENST00000360254	ENSG00000154309	445	-0.32	0.00739
50	ENST00000360256	ENSG00000185010	155	-0.08	0.80386
50	ENST00000360359	ENSG00000064999	1232	-0.39	1.35E-08
50	ENST00000360415	ENSG00000241258	654	-0.41	2.46E-05
50	ENST00000360428	ENSG00000134762	299	0.06	0.77121
50	ENST00000360439	ENSG00000169375	4886	-0.10	0.05317

50	ENST00000360448	ENSG00000164674	5	-1.68	NA
50	ENST00000360449	ENSG00000139117	1135	-0.28	0.00310
50	ENST00000360631	ENSG00000133083	320	-0.49	0.00017
50	ENST00000360689	ENSG00000033170	542	-0.13	0.28164
50	ENST00000360768	ENSG00000196715	2181	-0.77	1.46E-36
50	ENST00000360802	ENSG00000137073	3025	-0.08	0.21956
50	ENST00000360839	ENSG00000131503	125	0.29	0.35564
50	ENST00000361078	ENSG00000055917	3970	-0.05	0.51458
50	ENST00000361175	ENSG00000198682	1898	-0.19	0.01542
50	ENST00000361189	ENSG00000198961	3350	0.18	0.01276
50	ENST00000361209	ENSG00000148219	129	-0.10	0.72561
50	ENST00000361221	ENSG00000074964	1253	-0.30	0.00443
50	ENST00000361226	ENSG00000198853	2542	-0.19	0.00274
50	ENST00000361264	ENSG00000198876	3089	-0.28	3.66E-07
50	ENST00000361297	ENSG00000086015	2525	-0.51	8.85E-20
50	ENST00000361317	ENSG00000171703	1170	0.18	0.09071
50	ENST00000361421	ENSG00000198846	146	-0.35	0.12538
50	ENST00000361521	ENSG00000097021	1748	-0.33	0.00034
50	ENST00000361524	ENSG00000198795	8	-0.48	NA
50	ENST00000361654	ENSG00000130779	3569	-0.49	1.42E-14
50	ENST00000361677	ENSG00000198863	995	-0.15	0.10897
50	ENST00000361719	ENSG00000152822	24	0.19	0.81738
50	ENST00000361731	ENSG00000198818	484	0.01	0.95608
50	ENST00000361732	ENSG00000152942	832	-0.28	0.00633
50	ENST00000361737	ENSG00000163995	386	-0.44	0.00046
50	ENST00000361752	ENSG00000112531	2244	-0.10	0.32801
50	ENST00000361906	ENSG00000198792	2950	-0.23	0.00750
50	ENST00000362003	ENSG00000185619	1113	-0.17	0.06008
50	ENST00000366514	ENSG00000162851	571	-0.27	0.01691
50	ENST00000366543	ENSG00000143702	2350	-0.09	0.25841
50	ENST00000366548	ENSG00000174371	1724	0.27	0.00041
50	ENST00000366621	ENSG00000135750	1297	0.13	0.09914
50	ENST00000366630	ENSG00000116991	637	-0.27	0.01452
50	ENST00000366639	ENSG00000116918	618	0.08	0.60796
50	ENST00000366844	ENSG00000154380	4375	0.00	0.98426
50	ENST00000366862	ENSG00000143756	1135	-0.93	3.41E-28
50	ENST00000366913	ENSG00000117791	388	-0.11	0.49464
50	ENST00000366922	ENSG00000067704	3550	-0.12	0.12909
50	ENST00000366956	ENSG00000152104	6108	0.17	9.49E-05
50	ENST00000367007	ENSG00000143473	237	0.39	0.02337
50	ENST00000367097	ENSG00000130338	2044	-0.31	2.73E-07
50	ENST00000367123	ENSG00000171943	991	-0.64	1.42E-19
50	ENST00000367134	ENSG00000174502	10	-0.62	0.56575
50	ENST00000367162	ENSG00000133059	1105	-0.15	0.11220
50	ENST00000367186	ENSG00000213079	1806	-0.21	0.00499
50	ENST00000367268	ENSG00000143858	3	3.98	NA
50	ENST00000367302	ENSG00000134369	2389	-0.49	2.02E-10
50	ENST00000367321	ENSG00000120254	3279	-0.65	5.11E-30

50	ENST00000367350	ENSG00000118193	2519	-1.20	1.12E-41
50	ENST00000367362	ENSG00000116833	4	-0.39	NA
50	ENST00000367384	ENSG00000120265	1571	0.05	0.61009
50	ENST00000367429	ENSG00000000971	2483	0.10	0.15209
50	ENST00000367463	ENSG00000111962	436	-0.33	0.00351
50	ENST00000367470	ENSG00000157181	1040	-0.24	0.02376
50	ENST00000367505	ENSG00000146414	1241	0.16	0.16520
50	ENST00000367545	ENSG00000152818	2535	-0.18	0.00768
50	ENST00000367584	ENSG00000112419	2732	-0.40	2.78E-10
50	ENST00000367669	ENSG00000143207	1065	-0.39	1.04E-06
50	ENST00000367696	ENSG00000135870	2483	0.00	0.99895
50	ENST00000367742	ENSG00000117523	14641	-0.24	3.17E-05
50	ENST00000367800	ENSG00000135541	1495	0.32	0.00036
50	ENST00000367816	ENSG00000143153	8635	-0.21	0.00042
50	ENST00000367833	ENSG00000143155	1228	-0.01	0.96072
50	ENST00000367858	ENSG00000118515	17727	0.00	0.96573
50	ENST00000367876	ENSG00000143157	4052	-0.01	0.91377
50	ENST00000367888	ENSG00000143198	1359	-0.25	0.00355
50	ENST00000368099	ENSG00000213085	23	0.38	0.62490
50	ENST00000368194	ENSG00000132694	2641	-0.15	0.01358
50	ENST00000368226	ENSG00000152894	2382	-0.90	4.87E-31
50	ENST00000368309	ENSG00000160803	2126	-0.09	0.40282
50	ENST00000368357	ENSG00000111912	2428	0.25	0.00028
50	ENST00000368468	ENSG00000111885	600	0.37	0.00336
50	ENST00000368559	ENSG00000143552	10	-0.74	0.45541
50	ENST00000368564	ENSG00000196911	247	0.00	0.99232
50	ENST00000368655	ENSG00000143614	3458	-0.13	0.01871
50	ENST00000368843	ENSG00000143376	2103	-0.15	0.01957
50	ENST00000368918	ENSG00000143458	544	-1.36	2.44E-26
50	ENST00000368921	ENSG00000213190	651	-0.04	0.81189
50	ENST00000368947	ENSG00000143412	12	-0.11	0.92867
50	ENST00000368972	ENSG00000118690	58	0.30	0.46816
50	ENST00000369002	ENSG00000025796	2700	-0.06	0.56550
50	ENST00000369005	ENSG00000138162	1143	-0.37	1.66E-05
50	ENST00000369037	ENSG00000164494	434	-1.17	3.87E-31
50	ENST00000369042	ENSG00000178409	737	-0.48	1.35E-08
50	ENST00000369046	ENSG00000130348	509	0.12	0.33199
50	ENST00000369075	ENSG00000107651	1949	0.18	0.02336
50	ENST00000369103	ENSG00000148908	131	-0.07	0.84168
50	ENST00000369207	ENSG00000188316	3	-0.68	NA
50	ENST00000369250	ENSG00000151553	958	0.01	0.95004
50	ENST00000369271	ENSG00000169129	240	-1.50	2.00E-27
50	ENST00000369303	ENSG00000135333	44	-1.05	0.02038
50	ENST00000369393	ENSG00000112159	7089	-0.36	1.24E-09
50	ENST00000369503	ENSG00000163393	281	0.09	0.67538
50	ENST00000369577	ENSG00000188994	1879	-0.38	7.13E-06
50	ENST00000369774	ENSG00000107957	4014	-0.05	0.60711
50	ENST00000369780	ENSG00000107954	843	0.00	0.99076

50	ENST00000369831	ENSG00000213366	15	0.19	0.85309
50	ENST00000369847	ENSG00000156374	437	-0.63	2.58E-06
50	ENST00000369902	ENSG00000107882	544	-0.32	0.00077
50	ENST00000369939	ENSG00000116299	61	0.01	0.98601
50	ENST00000369981	ENSG00000196586	533	-0.38	0.00171
50	ENST00000370096	ENSG00000060718	9	-0.67	0.61409
50	ENST00000370225	ENSG00000198691	68	0.38	0.24103
50	ENST00000370244	ENSG00000137936	1833	-0.66	3.02E-30
50	ENST00000370383	ENSG00000172031	28	-0.50	0.52195
50	ENST00000370384	ENSG00000135314	189	0.11	0.71644
50	ENST00000370455	ENSG00000112305	670	-0.65	1.33E-12
50	ENST00000370481	ENSG00000117226	201	-0.22	0.32403
50	ENST00000370521	ENSG00000065243	2614	-1.11	1.32E-39
50	ENST00000370550	ENSG00000153936	930	-1.21	1.92E-26
50	ENST00000370552	ENSG00000172987	16	-2.49	9.78E-06
50	ENST00000370558	ENSG00000097033	1755	0.10	0.32164
50	ENST00000370584	ENSG00000166024	409	0.08	0.65864
50	ENST00000370631	ENSG00000155252	649	0.05	0.77884
50	ENST00000370664	ENSG00000165886	169	-0.50	0.01223
50	ENST00000370689	ENSG00000142875	1364	-0.37	1.42E-05
50	ENST00000370728	ENSG00000117114	603	-0.42	0.00011
50	ENST00000370782	ENSG00000155229	1986	-0.20	0.01028
50	ENST00000370818	ENSG00000147257	3	-0.44	NA
50	ENST00000370836	ENSG00000171004	1839	-0.55	1.15E-14
50	ENST00000370902	ENSG00000171311	496	-0.30	0.00294
50	ENST00000371065	ENSG00000213625	1303	-0.59	7.80E-14
50	ENST00000371130	ENSG00000009694	11	0.20	0.86324
50	ENST00000371253	ENSG00000153292	6	-1.97	NA
50	ENST00000371269	ENSG00000116133	9540	-0.07	0.22492
50	ENST00000371380	ENSG00000138193	302	-0.47	0.00562
50	ENST00000371410	ENSG00000101882	657	0.02	0.92837
50	ENST00000371497	ENSG00000182463	2667	-2.10	#####
50	ENST00000371514	ENSG00000116171	1237	-0.12	0.19024
50	ENST00000371626	ENSG00000117862	72	0.07	0.88094
50	ENST00000371714	ENSG00000117859	3536	-0.36	2.04E-10
50	ENST00000371733	ENSG00000085832	1558	-1.38	2.76E-64
50	ENST00000371822	ENSG00000131725	1327	-0.75	7.03E-26
50	ENST00000371856	ENSG00000124214	3488	-0.15	0.02622
50	ENST00000372057	ENSG00000101935	2227	0.32	8.08E-07
50	ENST00000372070	ENSG00000117448	2214	0.14	0.09716
50	ENST00000372086	ENSG00000070759	65	0.35	0.43237
50	ENST00000372257	ENSG00000117419	2591	0.01	0.91084
50	ENST00000372371	ENSG00000148606	2095	0.03	0.73119
50	ENST00000372492	ENSG00000243710	7	0.08	NA
50	ENST00000372583	ENSG00000127124	855	-0.05	0.70644
50	ENST00000372592	ENSG00000175287	72	-0.70	0.03047
50	ENST00000372596	ENSG00000010803	792	-0.59	3.51E-09
50	ENST00000372731	ENSG00000197694	41493	0.07	0.22953

50	ENST00000372771	ENSG00000117000	1333	-0.04	0.76518
50	ENST00000372852	ENSG00000163909	26	-0.41	0.50103
50	ENST00000372990	ENSG00000158315	32	-0.24	0.74036
50	ENST00000373001	ENSG00000116954	282	0.39	0.01774
50	ENST00000373062	ENSG00000134697	2314	0.21	0.00104
50	ENST00000373191	ENSG00000126070	1861	-0.45	1.81E-09
50	ENST00000373203	ENSG00000106991	3224	-0.11	0.17587
50	ENST00000373206	ENSG00000092847	3386	-0.10	0.16817
50	ENST00000373255	ENSG00000099284	16	-0.81	0.28246
50	ENST00000373314	ENSG00000136830	18325	-0.31	1.55E-08
50	ENST00000373408	ENSG00000198937	105	-0.20	0.62713
50	ENST00000373448	ENSG00000101407	2060	-0.96	7.07E-53
50	ENST00000373456	ENSG00000116514	443	0.21	0.12834
50	ENST00000373493	ENSG00000162521	8497	-0.84	7.05E-49
50	ENST00000373510	ENSG00000160062	270	-0.55	0.00033
50	ENST00000373580	ENSG00000185585	24873	-0.87	5.06E-99
50	ENST00000373624	ENSG00000119522	1828	-0.59	1.91E-21
50	ENST00000373652	ENSG00000153832	62	-1.14	8.63E-05
50	ENST00000373719	ENSG00000147162	7219	0.21	0.00089
50	ENST00000373736	ENSG00000084628	17	-0.84	0.35164
50	ENST00000373816	ENSG00000162419	743	-0.40	0.00012
50	ENST00000373823	ENSG00000148180	3412	-0.23	0.00069
50	ENST00000373827	ENSG00000151150	247	-0.53	0.00045
50	ENST00000373830	ENSG00000180098	524	-0.43	0.00066
50	ENST00000373839	ENSG00000204138	1740	-0.45	2.90E-07
50	ENST00000373912	ENSG00000117748	1342	-0.43	3.95E-10
50	ENST00000373946	ENSG00000088367	2541	-0.37	2.86E-09
50	ENST00000373954	ENSG00000009780	307	0.00	0.98407
50	ENST00000374026	ENSG00000196821	2061	-0.05	0.60677
50	ENST00000374140	ENSG00000138835	972	0.26	0.00084
50	ENST00000374316	ENSG00000096433	16119	-0.30	6.33E-17
50	ENST00000374332	ENSG00000117643	8	-0.47	NA
50	ENST00000374431	ENSG00000198121	67	-0.87	0.03079
50	ENST00000374553	ENSG00000158813	24	-1.56	0.00333
50	ENST00000374580	ENSG00000204217	3072	-1.60	#####
50	ENST00000374595	ENSG00000119326	2079	0.08	0.37417
50	ENST00000374728	ENSG00000095794	903	-0.22	0.04791
50	ENST00000374935	ENSG00000075151	4692	-1.15	8.62E-77
50	ENST00000375114	ENSG00000125970	2869	-0.34	1.82E-08
50	ENST00000375135	ENSG00000102302	523	-0.44	0.00023
50	ENST00000375180	ENSG00000184083	550	-0.57	7.33E-09
50	ENST00000375245	ENSG00000165322	1114	-0.29	0.00428
50	ENST00000375299	ENSG00000169062	1141	-0.83	1.87E-17
50	ENST00000375300	ENSG00000160584	1342	-0.22	0.00284
50	ENST00000375562	ENSG00000204385	2	2.65	NA
50	ENST00000375592	ENSG00000037637	986	-0.16	0.18750
50	ENST00000375608	ENSG00000126217	191	0.06	0.86683
50	ENST00000375712	ENSG00000101350	3365	-0.44	8.68E-18

50	ENST00000375735	ENSG00000187240	1620	0.02	0.85914
50	ENST00000375771	ENSG00000162458	492	-0.48	4.44E-05
50	ENST00000375799	ENSG00000116786	3180	-0.12	0.12428
50	ENST00000375849	ENSG00000116138	1124	-0.10	0.38217
50	ENST00000375940	ENSG00000120539	935	0.09	0.42847
50	ENST00000376091	ENSG00000171365	612	0.44	5.39E-06
50	ENST00000376104	ENSG00000150672	167	-0.24	0.29184
50	ENST00000376236	ENSG00000077420	119	-0.79	0.00128
50	ENST00000376279	ENSG00000175198	528	-0.45	0.00084
50	ENST00000376352	ENSG00000166263	766	-0.50	1.29E-06
50	ENST00000376355	ENSG00000125246	70	-1.25	0.00031
50	ENST00000376462	ENSG00000120549	1981	-0.24	0.00116
50	ENST00000376485	ENSG00000137343	167	-0.10	0.72767
50	ENST00000376503	ENSG00000088386	12	-1.46	0.11852
50	ENST00000376651	ENSG00000135960	33	-0.85	0.07135
50	ENST00000376718	ENSG00000106772	212	-1.06	1.42E-12
50	ENST00000376747	ENSG00000102595	1687	-0.15	0.12570
50	ENST00000376874	ENSG00000188026	270	-0.26	0.10986
50	ENST00000376950	ENSG00000197779	525	0.01	0.97106
50	ENST00000376980	ENSG00000136770	768	-1.20	1.95E-29
50	ENST00000377038	ENSG00000160049	2665	-0.35	3.17E-07
50	ENST00000377067	ENSG00000179399	841	-0.70	4.45E-11
50	ENST00000377075	ENSG00000158158	676	-0.26	0.01059
50	ENST00000377086	ENSG00000054523	5152	-0.19	5.68E-05
50	ENST00000377252	ENSG00000120594	2758	-0.65	5.51E-25
50	ENST00000377263	ENSG00000178585	210	-0.51	0.00990
50	ENST00000377298	ENSG00000171603	11940	-0.02	0.87123
50	ENST00000377577	ENSG00000007923	2908	-0.62	1.19E-32
50	ENST00000377669	ENSG00000118922	1073	-0.35	8.27E-05
50	ENST00000377670	ENSG00000124440	15	-0.25	0.76071
50	ENST00000377810	ENSG00000072518	2064	-0.12	0.11949
50	ENST00000377833	ENSG00000107611	32	0.88	0.04258
50	ENST00000377990	ENSG00000011523	393	-0.26	0.03664
50	ENST00000378116	ENSG00000148468	603	-1.03	3.20E-26
50	ENST00000378165	ENSG00000152465	255	0.09	0.70274
50	ENST00000378295	ENSG00000078900	149	-1.00	1.12E-07
50	ENST00000378302	ENSG00000136144	602	-0.43	2.19E-06
50	ENST00000378454	ENSG00000146038	209	-1.29	2.22E-16
50	ENST00000378455	ENSG00000183337	6036	-0.03	0.71518
50	ENST00000378460	ENSG00000030066	9013	-0.70	2.35E-32
50	ENST00000378473	ENSG00000101333	345	-0.32	0.03285
50	ENST00000378494	ENSG00000143919	173	-0.68	0.00085
50	ENST00000378618	ENSG00000149179	1508	-0.55	2.85E-11
50	ENST00000378621	ENSG00000147036	141	0.65	0.00053
50	ENST00000378653	ENSG00000165164	25	0.85	0.10904
50	ENST00000378747	ENSG00000123240	921	0.39	0.00016
50	ENST00000378814	ENSG00000137177	3883	-0.27	6.18E-09
50	ENST00000378823	ENSG00000113522	188	-0.03	0.93260

50	ENST00000378933	ENSG00000157625	1830	-0.20	0.00337
50	ENST00000379028	ENSG00000091129	490	-1.33	9.14E-47
50	ENST00000379068	ENSG00000101868	4267	-0.03	0.70758
50	ENST00000379145	ENSG00000102230	33	-0.14	0.81626
50	ENST00000379186	ENSG00000165006	2196	-0.07	0.45310
50	ENST00000379226	ENSG00000184831	313	-0.39	0.00520
50	ENST00000379310	ENSG00000102763	1177	-0.13	0.20268
50	ENST00000379333	ENSG00000089057	717	-1.00	9.13E-27
50	ENST00000379535	ENSG00000185787	7576	0.01	0.91508
50	ENST00000379540	ENSG00000086102	3995	0.12	0.01090
50	ENST00000379643	ENSG00000184368	544	-0.05	0.76807
50	ENST00000379645	ENSG00000138741	17	-0.60	0.44375
50	ENST00000379672	ENSG00000006740	138	-0.95	9.19E-07
50	ENST00000379719	ENSG00000205339	13072	-0.16	0.00223
50	ENST00000379834	ENSG00000124784	559	0.07	0.73154
50	ENST00000379883	ENSG00000107201	197	-1.07	4.15E-08
50	ENST00000379938	ENSG00000124782	3429	-0.24	8.22E-07
50	ENST00000379987	ENSG00000168743	104	-1.39	3.29E-09
50	ENST00000379990	ENSG00000145757	4	0.75	NA
50	ENST00000379996	ENSG00000008086	1466	0.03	0.79653
50	ENST00000380118	ENSG00000198721	897	-0.20	0.04349
50	ENST00000380249	ENSG00000188352	2725	-0.22	0.00090
50	ENST00000380265	ENSG00000138642	103	0.18	0.62490
50	ENST00000380345	ENSG00000145685	657	0.09	0.40116
50	ENST00000380492	ENSG00000130150	560	0.08	0.62945
50	ENST00000380637	ENSG00000185437	2	-0.81	NA
50	ENST00000380672	ENSG00000173068	640	-0.49	3.53E-07
50	ENST00000380815	ENSG00000112699	575	-0.45	1.53E-05
50	ENST00000380861	ENSG00000047644	1764	-0.73	2.32E-23
50	ENST00000380877	ENSG00000104064	783	-0.06	0.67193
50	ENST00000380962	ENSG00000205629	732	-0.27	0.00386
50	ENST00000380985	ENSG00000123213	2306	-0.43	7.16E-09
50	ENST00000381031	ENSG00000075234	1507	-0.48	7.46E-11
50	ENST00000381035	ENSG00000099785	217	-0.98	4.04E-11
50	ENST00000381095	ENSG00000146938	14	-3.06	0.00016
50	ENST00000381227	ENSG00000047315	4133	0.02	0.83680
50	ENST00000381318	ENSG00000205726	1800	-0.05	0.63882
50	ENST00000381340	ENSG00000123104	1498	-0.58	4.61E-18
50	ENST00000381480	ENSG00000205744	8	0.10	NA
50	ENST00000381513	ENSG00000066117	2950	0.00	0.99829
50	ENST00000381624	ENSG00000174898	3	-1.36	NA
50	ENST00000381655	ENSG00000132932	5	-0.38	NA
50	ENST00000381669	ENSG00000128298	10	1.57	0.04944
50	ENST00000382031	ENSG00000166963	891	0.35	4.37E-05
50	ENST00000382114	ENSG00000153012	17	-0.80	0.20023
50	ENST00000382199	ENSG00000073792	268	-1.16	5.69E-14
50	ENST00000382303	ENSG00000107104	1172	-0.45	1.72E-07
50	ENST00000382592	ENSG00000150457	1592	-0.08	0.34474

50	ENST00000383408	ENSG00000154864	5973	-0.18	0.00049
50	ENST00000383463	ENSG00000183624	1008	-0.18	0.03133
50	ENST00000383699	ENSG00000175161	7	-2.02	NA
50	ENST00000383701	ENSG00000163378	877	0.06	0.65107
50	ENST00000383738	ENSG00000114646	66	-0.69	0.08769
50	ENST00000383772	ENSG00000077092	4	0.64	NA
50	ENST00000383788	ENSG00000206561	16	0.10	0.92572
50	ENST00000383829	ENSG00000156983	2404	-0.11	0.20580
50	ENST00000383836	ENSG00000196220	61	0.63	0.02299
50	ENST00000388996	ENSG00000184156	4	-1.43	NA
50	ENST00000389082	ENSG00000170456	3912	-0.73	9.40E-41
50	ENST00000389253	ENSG00000079805	4556	-0.51	6.53E-26
50	ENST00000389286	ENSG00000166450	325	-0.50	0.00032
50	ENST00000389386	ENSG00000075399	193	-0.06	0.82454
50	ENST00000389484	ENSG00000168702	177	-1.50	4.34E-16
50	ENST00000389609	ENSG00000181982	25	-1.08	0.08377
50	ENST00000389629	ENSG00000137815	2583	-0.33	8.88E-09
50	ENST00000389658	ENSG00000101680	8173	-0.09	0.05277
50	ENST00000389840	ENSG00000187775	384	0.10	0.64706
50	ENST00000389857	ENSG00000015133	901	-0.10	0.41597
50	ENST00000389938	ENSG00000152292	44	-0.19	0.76122
50	ENST00000390654	ENSG00000050767	4	-1.92	NA
50	ENST00000391901	ENSG00000118156	14	-0.74	0.42791
50	ENST00000391945	ENSG00000104884	1554	-0.06	0.56131
50	ENST00000392011	ENSG00000130147	5798	-0.38	1.11E-19
50	ENST00000392138	ENSG00000189144	159	0.31	0.16430
50	ENST00000392349	ENSG00000128699	986	-0.14	0.15781
50	ENST00000392403	ENSG00000116539	4968	-0.35	2.49E-08
50	ENST00000392452	ENSG00000180611	276	-0.50	0.00062
50	ENST00000392464	ENSG00000170633	765	-0.18	0.12315
50	ENST00000392476	ENSG00000129657	2203	-0.22	0.00020
50	ENST00000392533	ENSG00000135090	349	-1.44	3.52E-28
50	ENST00000392585	ENSG00000183484	3	-4.22	NA
50	ENST00000392650	ENSG00000069188	5	-0.05	NA
50	ENST00000392676	ENSG00000154265	510	-0.14	0.42588
50	ENST00000392745	ENSG00000131323	1436	-0.53	6.71E-15
50	ENST00000392993	ENSG00000175066	1243	-0.10	0.28860
50	ENST00000393004	ENSG00000118407	63	-0.63	0.06549
50	ENST00000393077	ENSG00000151532	702	-0.46	8.54E-07
50	ENST00000393094	ENSG00000166266	843	-0.14	0.17640
50	ENST00000393217	ENSG00000133640	70	0.09	0.83579
50	ENST00000393218	ENSG00000100600	2027	-0.16	0.04426
50	ENST00000393223	ENSG00000087053	3325	0.16	0.00919
50	ENST00000393232	ENSG00000106459	608	-0.04	0.79883
50	ENST00000393295	ENSG00000240682	171	-0.79	0.00014
50	ENST00000393305	ENSG00000172780	13	-0.68	0.47990
50	ENST00000393382	ENSG00000170703	121	0.36	0.16504
50	ENST00000393547	ENSG00000161692	827	-0.15	0.22348

50	ENST00000393567	ENSG00000157423	5	0.10	NA
50	ENST00000393630	ENSG00000061987	1977	-1.30	1.48E-51
50	ENST00000393651	ENSG00000135250	1086	-0.30	3.22E-05
50	ENST00000393713	ENSG00000137522	924	0.00	0.98782
50	ENST00000393758	ENSG00000067840	97	-0.25	0.52394
50	ENST00000393792	ENSG00000168246	586	-0.10	0.45433
50	ENST00000393923	ENSG00000144824	6406	0.25	7.46E-08
50	ENST00000393929	ENSG00000113328	1953	0.21	0.02351
50	ENST00000393946	ENSG00000173227	4284	-0.61	2.67E-31
50	ENST00000394253	ENSG00000164663	436	-0.40	0.00151
50	ENST00000394440	ENSG00000115484	5766	-0.07	0.35987
50	ENST00000394576	ENSG00000081853	9	0.29	NA
50	ENST00000394650	ENSG00000005059	351	0.23	0.16922
50	ENST00000394672	ENSG00000180376	734	0.10	0.56713
50	ENST00000394684	ENSG00000164023	1041	-0.25	0.01524
50	ENST00000394729	ENSG00000163932	477	-0.24	0.06367
50	ENST00000394835	ENSG00000176927	7	0.45	NA
50	ENST00000394886	ENSG00000094880	1223	-0.16	0.08364
50	ENST00000394942	ENSG00000140006	358	-0.04	0.86647
50	ENST00000395184	ENSG00000138639	12	-1.73	0.04418
50	ENST00000395198	ENSG00000148634	2284	-0.17	0.08364
50	ENST00000395270	ENSG00000196313	2880	-0.20	0.00205
50	ENST00000395407	ENSG00000137819	150	-0.37	0.14183
50	ENST00000395477	ENSG00000165238	471	-0.76	6.78E-10
50	ENST00000395511	ENSG00000109016	589	-0.26	0.02611
50	ENST00000395526	ENSG00000188611	22	0.30	0.65361
50	ENST00000395601	ENSG00000172164	299	-0.24	0.10452
50	ENST00000395734	ENSG00000047849	8816	-1.25	#####
50	ENST00000395810	ENSG00000198915	43	-1.87	2.66E-06
50	ENST00000395925	ENSG00000106571	1222	0.10	0.32830
50	ENST00000396153	ENSG00000185104	2131	-1.13	2.11E-84
50	ENST00000396299	ENSG00000146592	475	0.27	0.04804
50	ENST00000396444	ENSG00000138592	2910	0.02	0.88865
50	ENST00000396504	ENSG00000100413	3135	-0.19	0.01451
50	ENST00000396512	ENSG00000100412	3940	-0.08	0.32791
50	ENST00000396578	ENSG00000169031	1522	-0.08	0.52410
50	ENST00000396582	ENSG00000100852	2916	0.18	0.01381
50	ENST00000396594	ENSG00000159921	1452	0.00	0.98851
50	ENST00000396703	ENSG00000182247	395	-0.13	0.44473
50	ENST00000396706	ENSG00000136247	1106	-0.01	0.96526
50	ENST00000396721	ENSG00000170786	14	0.50	0.58641
50	ENST00000396741	ENSG00000008256	1219	0.13	0.17153
50	ENST00000396821	ENSG00000100201	15913	0.02	0.67125
50	ENST00000396863	ENSG00000101057	7432	-0.09	0.09144
50	ENST00000396865	ENSG00000177058	663	-0.16	0.25257
50	ENST00000396946	ENSG00000198286	289	-1.65	4.06E-33
50	ENST00000397010	ENSG00000132170	150	-0.72	0.00095
50	ENST00000397042	ENSG00000170471	3394	-0.02	0.80666

50	ENST00000397081	ENSG00000091428	40	0.13	0.81512
50	ENST00000397166	ENSG00000085788	1137	0.10	0.33441
50	ENST00000397176	ENSG00000065675	4	-0.44	NA
50	ENST00000397224	ENSG00000100350	2647	-0.05	0.64704
50	ENST00000397261	ENSG00000241553	2335	-0.43	1.02E-06
50	ENST00000397350	ENSG00000124523	242	-0.14	0.51159
50	ENST00000397545	ENSG00000141519	328	-0.50	0.00044
50	ENST00000397572	ENSG00000214114	353	-0.30	0.08907
50	ENST00000397809	ENSG00000173588	589	-0.47	0.00231
50	ENST00000397821	ENSG00000147010	838	-0.02	0.93089
50	ENST00000397843	ENSG00000196914	4686	-0.69	2.44E-35
50	ENST00000397899	ENSG00000196872	97	0.62	0.02529
50	ENST00000397906	ENSG00000100154	1701	-1.02	4.48E-71
50	ENST00000398022	ENSG00000101337	2810	-0.34	4.43E-10
50	ENST00000398117	ENSG00000171791	336	-0.11	0.46541
50	ENST00000398155	ENSG00000086712	1203	-0.90	9.46E-28
50	ENST00000398204	ENSG00000008277	478	-0.05	0.80460
50	ENST00000398238	ENSG00000073969	1104	-0.10	0.33998
50	ENST00000398761	ENSG00000107745	1188	-0.96	2.07E-43
50	ENST00000398803	ENSG00000119471	2527	0.05	0.64000
50	ENST00000398844	ENSG00000113615	1973	0.06	0.65604
50	ENST00000398868	ENSG00000184743	6032	0.08	0.20528
50	ENST00000398989	ENSG00000127824	5465	0.00	0.98407
50	ENST00000399151	ENSG00000142197	168	-0.78	2.18E-05
50	ENST00000399408	ENSG00000103222	9470	-0.29	2.28E-11
50	ENST00000399429	ENSG00000215018	2	-0.83	NA
50	ENST00000399537	ENSG00000182095	8368	-0.41	6.70E-10
50	ENST00000399766	ENSG00000204178	687	-0.17	0.09837
50	ENST00000399816	ENSG00000215218	34	-0.21	0.72189
50	ENST00000399848	ENSG00000168675	1643	-1.14	1.35E-61
50	ENST00000400100	ENSG00000128739	75	-0.06	0.89250
50	ENST00000400324	ENSG00000139734	2417	-0.02	0.85629
50	ENST00000400358	ENSG00000167037	4	-0.83	NA
50	ENST00000400445	ENSG00000172915	439	0.17	0.28567
50	ENST00000400525	ENSG00000184470	1017	0.12	0.37648
50	ENST00000400585	ENSG00000099954	4	-3.65	NA
50	ENST00000401500	ENSG00000075702	2000	0.18	0.00699
50	ENST00000401548	ENSG00000167077	604	-0.47	0.00010
50	ENST00000401558	ENSG00000082898	9661	-0.16	0.02454
50	ENST00000401604	ENSG00000185532	7	-2.36	NA
50	ENST00000401707	ENSG00000104356	1125	0.18	0.02151
50	ENST00000402198	ENSG00000168137	5940	0.07	0.37046
50	ENST00000402219	ENSG00000115904	959	-1.45	1.79E-43
50	ENST00000402312	ENSG00000176473	554	-0.11	0.34444
50	ENST00000402655	ENSG00000186153	70	-0.60	0.04445
50	ENST00000402676	ENSG00000131016	11520	-0.10	0.29540
50	ENST00000402714	ENSG00000196405	701	-0.61	1.74E-09
50	ENST00000402988	ENSG00000216588	4	0.60	NA

50	ENST00000403045	ENSG00000075340	60	-0.84	0.00735
50	ENST00000403263	ENSG00000114933	1741	0.19	0.01899
50	ENST00000403733	ENSG00000151718	2752	-0.26	2.27E-05
50	ENST00000404125	ENSG00000068878	3600	0.08	0.29746
50	ENST00000404397	ENSG00000213626	1265	-0.52	2.08E-11
50	ENST00000404460	ENSG00000115762	2162	0.09	0.36346
50	ENST00000404760	ENSG00000100425	2069	0.05	0.63395
50	ENST00000404826	ENSG00000146555	116	-2.16	1.68E-16
50	ENST00000404895	ENSG00000156687	45	-0.05	0.93573
50	ENST00000404910	ENSG00000132329	6	0.90	NA
50	ENST00000405015	ENSG00000115504	1052	-0.26	0.02333
50	ENST00000405315	ENSG00000104805	5982	-0.27	8.76E-07
50	ENST00000405454	ENSG00000162636	7316	0.28	9.90E-06
50	ENST00000405460	ENSG00000164199	7	-0.19	NA
50	ENST00000405592	ENSG00000057935	752	-0.48	2.08E-10
50	ENST00000405805	ENSG00000189403	5015	0.04	0.66256
50	ENST00000405975	ENSG00000115970	1226	-0.48	2.15E-10
50	ENST00000406610	ENSG00000116117	339	-1.93	2.89E-47
50	ENST00000406875	ENSG00000064393	2766	-0.82	1.96E-49
50	ENST00000406979	ENSG00000144451	375	0.24	0.14049
50	ENST00000407008	ENSG00000087095	639	-2.20	#####
50	ENST00000407025	ENSG00000115685	937	0.03	0.78882
50	ENST00000407071	ENSG00000162849	29	-4.19	1.59E-12
50	ENST00000407073	ENSG00000204406	679	-0.50	8.79E-05
50	ENST00000407308	ENSG00000167065	55	-0.21	0.70124
50	ENST00000407558	ENSG00000122390	1184	-0.05	0.69521
50	ENST00000407597	ENSG00000101849	2943	-0.08	0.28150
50	ENST00000407936	ENSG00000100142	841	-0.17	0.29562
50	ENST00000408919	ENSG00000131370	3361	-0.16	0.02644
50	ENST00000408927	ENSG00000138698	1215	0.10	0.39625
50	ENST00000409003	ENSG00000177570	536	-0.54	1.09E-05
50	ENST00000409039	ENSG00000197653	5	0.45	NA
50	ENST00000409078	ENSG00000074054	2879	-0.39	5.40E-14
50	ENST00000409080	ENSG00000091409	5074	-0.18	0.00027
50	ENST00000409261	ENSG00000176771	1017	-0.15	0.23668
50	ENST00000409262	ENSG00000187605	2245	-0.22	0.00904
50	ENST00000409299	ENSG00000101417	374	-0.18	0.27877
50	ENST00000409308	ENSG00000102547	99	-0.77	0.00316
50	ENST00000409359	ENSG00000136002	1495	-0.68	1.03E-24
50	ENST00000409381	ENSG00000187123	333	-0.29	0.04291
50	ENST00000409402	ENSG00000134278	1316	-0.92	1.33E-40
50	ENST00000409418	ENSG00000137478	627	-0.82	7.64E-19
50	ENST00000409478	ENSG00000048991	1198	-1.23	1.18E-47
50	ENST00000409508	ENSG00000105877	11	0.39	0.67654
50	ENST00000409573	ENSG00000144161	305	0.38	0.02064
50	ENST00000409613	ENSG00000115468	55	-0.85	0.04325
50	ENST00000409634	ENSG00000182263	542	0.00	0.98196
50	ENST00000409642	ENSG00000150556	110	-0.05	0.88881

50	ENST00000409663	ENSG00000121210	765	-0.31	0.00315
50	ENST00000409746	ENSG00000152229	382	-0.22	0.18415
50	ENST00000409752	ENSG00000221823	1307	-0.10	0.32563
50	ENST00000409785	ENSG00000176407	1181	-0.25	0.00046
50	ENST00000409792	ENSG00000181555	4698	-0.37	3.71E-12
50	ENST00000409874	ENSG00000156414	1347	-0.41	7.86E-08
50	ENST00000409883	ENSG00000155755	1334	-0.14	0.15763
50	ENST00000409911	ENSG00000176204	3	1.29	NA
50	ENST00000409914	ENSG00000196604	103	0.10	0.81475
50	ENST00000410018	ENSG00000099338	17	0.48	0.57376
50	ENST00000410075	ENSG00000075292	4276	-0.11	0.30477
50	ENST00000410111	ENSG00000132305	3147	-0.05	0.54004
50	ENST00000412331	ENSG00000100129	3335	-0.31	1.56E-08
50	ENST00000412402	ENSG00000128573	207	-0.57	0.00162
50	ENST00000412723	ENSG00000119227	56	-0.36	0.41635
50	ENST00000412830	ENSG00000136045	1246	-0.10	0.36417
50	ENST00000412964	ENSG00000163006	569	-1.01	5.85E-18
50	ENST00000413052	ENSG00000155363	2317	0.21	0.00166
50	ENST00000413209	ENSG00000186575	4352	-0.22	6.07E-05
50	ENST00000413366	ENSG00000154229	4321	-1.49	1.93E-99
50	ENST00000413371	ENSG00000243943	377	0.03	0.89879
50	ENST00000413393	ENSG00000166974	1292	0.13	0.14964
50	ENST00000413473	ENSG00000085831	67	0.12	0.78863
50	ENST00000413555	ENSG00000163468	15598	0.05	0.42195
50	ENST00000413764	ENSG00000054392	64	-0.02	0.97130
50	ENST00000414318	ENSG00000131374	959	-0.80	3.40E-20
50	ENST00000414645	ENSG00000156162	941	-0.30	0.00219
50	ENST00000414689	ENSG00000149932	976	0.07	0.60184
50	ENST00000415076	ENSG00000106603	1937	-0.04	0.74008
50	ENST00000415766	ENSG00000102904	12	-1.99	0.02653
50	ENST00000415827	ENSG00000108799	653	-0.32	0.00368
50	ENST00000416240	ENSG00000004864	2477	-0.97	1.93E-55
50	ENST00000416283	ENSG00000006576	1072	0.02	0.90500
50	ENST00000416668	ENSG00000226124	48	0.06	0.91377
50	ENST00000416671	ENSG00000183765	652	0.22	0.03041
50	ENST00000417536	ENSG00000100092	29	0.54	0.41177
50	ENST00000417647	ENSG00000113141	1901	0.15	0.21015
50	ENST00000417816	ENSG00000078114	574	-0.45	0.00023
50	ENST00000417961	ENSG00000197818	608	-0.63	4.88E-09
50	ENST00000418066	ENSG00000196975	1131	-0.46	6.62E-10
50	ENST00000418310	ENSG00000106683	1713	-0.58	1.33E-18
50	ENST00000418596	ENSG00000155744	1068	-0.16	0.11570
50	ENST00000418814	ENSG00000082269	499	-0.14	0.26437
50	ENST00000419079	ENSG00000144407	19	-0.69	0.21310
50	ENST00000419164	ENSG00000112559	24	-0.80	0.23093
50	ENST00000419255	ENSG00000075223	2850	-0.44	1.85E-10
50	ENST00000419735	ENSG00000146776	310	-0.74	6.00E-06
50	ENST00000419959	ENSG00000165092	51	-0.19	0.70778

50	ENST00000420455	ENSG00000142188	303	-0.17	0.37496
50	ENST00000420699	ENSG00000135976	1142	0.45	0.01900
50	ENST00000420765	ENSG00000168781	648	-1.62	5.82E-57
50	ENST00000420781	ENSG00000187239	690	-1.07	2.11E-30
50	ENST00000421223	ENSG00000136271	3427	-0.01	0.85624
50	ENST00000421544	ENSG00000164418	886	0.07	0.61986
50	ENST00000421745	ENSG00000115760	7161	-0.01	0.90500
50	ENST00000421797	ENSG00000128585	2743	0.19	0.01769
50	ENST00000421802	ENSG00000159128	895	0.04	0.77919
50	ENST00000421999	ENSG00000184220	693	-0.48	6.66E-06
50	ENST00000422000	ENSG00000120647	778	0.05	0.74439
50	ENST00000422127	ENSG00000154358	5343	-0.06	0.58381
50	ENST00000422689	ENSG00000221923	3	-1.45	NA
50	ENST00000422809	ENSG00000156273	1940	0.18	0.02751
50	ENST00000423156	ENSG00000151835	5150	-0.08	0.31135
50	ENST00000423172	ENSG00000129255	1427	-0.23	0.01185
50	ENST00000423698	ENSG00000012061	1677	0.04	0.75044
50	ENST00000423760	ENSG00000106443	1635	0.02	0.85804
50	ENST00000424280	ENSG00000113838	455	-0.04	0.87060
50	ENST00000424459	ENSG00000062194	2096	-0.04	0.71760
50	ENST00000424469	ENSG00000176463	3803	-0.68	6.79E-47
50	ENST00000424555	ENSG00000075213	770	0.13	0.19617
50	ENST00000424789	ENSG00000170921	6768	-0.44	9.93E-19
50	ENST00000424834	ENSG00000182957	233	-0.16	0.50085
50	ENST00000425013	ENSG00000011275	1923	-0.25	6.81E-06
50	ENST00000425103	ENSG00000170871	1432	-0.13	0.17840
50	ENST00000425241	ENSG00000177463	2702	-0.26	0.00012
50	ENST00000426126	ENSG00000186908	715	-0.17	0.25550
50	ENST00000426198	ENSG00000106608	1090	0.04	0.76207
50	ENST00000426480	ENSG00000144381	24177	0.10	0.23363
50	ENST00000426508	ENSG00000187535	1044	-0.50	3.54E-11
50	ENST00000426755	ENSG00000163964	534	-0.48	4.29E-06
50	ENST00000427177	ENSG00000184640	11322	-0.04	0.62813
50	ENST00000427587	ENSG00000118894	572	-0.30	0.02181
50	ENST00000427710	ENSG00000115310	7009	0.09	0.21839
50	ENST00000427836	ENSG00000178385	1058	-0.24	0.00946
50	ENST00000427926	ENSG00000070371	1218	-0.66	3.11E-09
50	ENST00000428074	ENSG00000157214	90	-0.08	0.87729
50	ENST00000428343	ENSG00000196460	2	1.53	NA
50	ENST00000428762	ENSG00000189056	20	2.25	0.00017
50	ENST00000428897	ENSG00000152463	2	-0.12	NA
50	ENST00000429027	ENSG00000052126	2738	-0.37	3.41E-05
50	ENST00000429888	ENSG00000114857	3129	0.38	1.09E-05
50	ENST00000430044	ENSG00000178234	670	-0.62	4.97E-11
50	ENST00000430046	ENSG00000157107	661	-0.09	0.49930
50	ENST00000430249	ENSG00000021826	33084	-0.04	0.40152
50	ENST00000430379	ENSG00000178537	361	-0.52	6.95E-05
50	ENST00000431054	ENSG00000072682	2594	0.15	0.02290

50	ENST00000431162	ENSG00000168026	121	0.20	0.47477
50	ENST00000431639	ENSG00000141499	933	0.10	0.33452
50	ENST00000431917	ENSG00000085978	1226	0.02	0.83447
50	ENST00000431926	ENSG00000136485	3920	-0.70	2.06E-42
50	ENST00000432328	ENSG00000179715	60	-1.69	2.70E-07
50	ENST00000432459	ENSG00000105982	11	0.49	0.60725
50	ENST00000432829	ENSG00000107099	204	-1.79	4.83E-28
50	ENST00000432907	ENSG00000160199	781	-0.49	1.09E-08
50	ENST00000432992	ENSG00000007237	564	-0.37	0.00030
50	ENST00000433154	ENSG00000249961	3	0.10	NA
50	ENST00000433239	ENSG00000106013	3	-0.82	NA
50	ENST00000433700	ENSG00000096872	150	-0.10	0.73690
50	ENST00000433867	ENSG00000105287	848	0.09	0.53800
50	ENST00000434248	ENSG00000128000	732	-0.07	0.61602
50	ENST00000434316	ENSG00000150403	2365	0.24	3.22E-05
50	ENST00000435213	ENSG00000136895	232	-0.75	0.00040
50	ENST00000435564	ENSG00000115252	100	-0.03	0.93960
50	ENST00000435907	ENSG00000182022	950	-0.32	0.00024
50	ENST00000435976	ENSG00000146856	54	0.35	0.42351
50	ENST00000436367	ENSG00000124788	1349	0.04	0.76227
50	ENST00000436443	ENSG00000178568	356	-1.36	6.71E-17
50	ENST00000436632	ENSG00000136940	727	0.11	0.44266
50	ENST00000436636	ENSG00000154310	230	-0.13	0.63257
50	ENST00000436639	ENSG00000080546	253	-0.27	0.09209
50	ENST00000436874	ENSG00000028203	1138	-0.06	0.67490
50	ENST00000436978	ENSG00000163629	2550	-0.22	0.00576
50	ENST00000436985	ENSG00000107890	698	-0.24	0.09120
50	ENST00000437429	ENSG00000168679	17	-0.65	0.28788
50	ENST00000437508	ENSG00000109654	1363	-0.47	1.25E-10
50	ENST00000437600	ENSG00000257923	11499	-1.30	#####
50	ENST00000438189	ENSG00000175544	157	-0.57	0.01313
50	ENST00000438447	ENSG00000133401	1112	-1.34	2.36E-67
50	ENST00000438796	ENSG00000186001	1226	-0.60	5.02E-11
50	ENST00000438828	ENSG00000138380	133	0.12	0.75018
50	ENST00000439326	ENSG00000223547	10	1.37	0.18044
50	ENST00000439617	ENSG00000162946	22	-1.84	0.00158
50	ENST00000439817	ENSG00000198408	3979	0.15	0.01011
50	ENST00000440460	ENSG00000150764	820	-0.69	1.65E-13
50	ENST00000440513	ENSG00000185024	1303	-0.13	0.28150
50	ENST00000440575	ENSG00000081087	942	-0.29	0.00115
50	ENST00000441037	ENSG00000273540	16	1.32	0.13154
50	ENST00000441493	ENSG00000243156	2325	-0.48	2.41E-11
50	ENST00000441560	ENSG00000198513	15	-1.12	0.12578
50	ENST00000442011	ENSG00000120708	34526	-0.57	1.60E-52
50	ENST00000442122	ENSG00000115425	254	0.12	0.53315
50	ENST00000442141	ENSG00000138018	2772	0.01	0.95811
50	ENST00000442253	ENSG00000170915	96	-0.44	0.12590
50	ENST00000442366	ENSG00000164022	1286	0.03	0.80924

50	ENST00000442448	ENSG00000157554	206	-0.45	0.00830
50	ENST00000442510	ENSG00000081237	3	0.47	NA
50	ENST00000443236	ENSG00000160111	98	-1.04	6.23E-05
50	ENST00000443700	ENSG00000152056	507	-0.50	4.44E-06
50	ENST00000443751	ENSG00000180488	1088	-0.03	0.85893
50	ENST00000443967	ENSG00000170085	328	-0.35	0.02564
50	ENST00000444115	ENSG00000164054	2996	0.19	0.05838
50	ENST00000444457	ENSG00000105819	1962	-0.16	0.10286
50	ENST00000444746	ENSG00000080345	7406	-0.12	0.11079
50	ENST00000445275	ENSG00000141198	1359	-0.04	0.71674
50	ENST00000446230	ENSG00000134627	16	-0.67	0.40074
50	ENST00000446488	ENSG00000170322	1276	-0.38	6.98E-08
50	ENST00000446765	ENSG00000162961	609	0.16	0.15922
50	ENST00000446828	ENSG00000073803	477	-0.27	0.06197
50	ENST00000447079	ENSG00000167258	4591	0.05	0.51513
50	ENST00000447353	ENSG00000154479	10	0.22	0.85396
50	ENST00000447706	ENSG00000118197	462	-0.10	0.52463
50	ENST00000447733	ENSG00000100284	1106	-0.14	0.09100
50	ENST00000447944	ENSG00000138035	1434	-0.26	0.00049
50	ENST00000448002	ENSG00000161040	84	-0.24	0.53093
50	ENST00000448183	ENSG00000111859	1912	-0.14	0.05830
50	ENST00000448413	ENSG00000144455	1190	-0.26	0.00068
50	ENST00000448775	ENSG00000166250	896	-1.30	1.10E-63
50	ENST00000449576	ENSG00000134324	671	0.30	0.00333
50	ENST00000449592	ENSG00000188735	781	-1.01	2.14E-23
50	ENST00000449802	ENSG00000144426	1799	-0.16	0.13825
50	ENST00000450454	ENSG00000204219	73	0.29	0.47216
50	ENST00000450593	ENSG00000168243	13	-1.91	0.01008
50	ENST00000451136	ENSG00000030419	263	-0.35	0.05039
50	ENST00000451479	ENSG00000100036	299	0.18	0.37695
50	ENST00000452145	ENSG00000204172	53	-0.89	0.00804
50	ENST00000452449	ENSG00000065060	1914	-0.10	0.22052
50	ENST00000453304	ENSG00000182168	18	-1.17	0.05521
50	ENST00000453773	ENSG00000127948	1795	-0.10	0.30306
50	ENST00000454036	ENSG00000124140	20	-0.31	0.71124
50	ENST00000454584	ENSG00000148935	8	0.14	NA
50	ENST00000454872	ENSG00000177694	34	-0.70	0.15096
50	ENST00000455140	ENSG00000127527	1088	0.07	0.55966
50	ENST00000455511	ENSG00000196510	1604	-0.14	0.04285
50	ENST00000455566	ENSG00000175470	980	-0.15	0.11093
50	ENST00000457380	ENSG00000130988	5	0.18	NA
50	ENST00000457488	ENSG00000035664	242	0.63	6.43E-05
50	ENST00000457812	ENSG00000173166	3131	-0.31	1.02E-06
50	ENST00000458054	ENSG00000196950	3777	-0.32	1.79E-07
50	ENST00000458141	ENSG00000137573	39	-1.11	0.00295
50	ENST00000458198	ENSG00000237190	761	-0.32	0.00034
50	ENST00000458578	ENSG00000185651	2051	-0.31	2.22E-05
50	ENST00000458657	ENSG00000198520	29	-0.62	0.28594

50	ENST00000459638	ENSG00000114541	16	-0.02	0.98407
50	ENST00000459775	ENSG00000168883	1524	-0.16	0.08187
50	ENST00000460056	ENSG00000171509	37	-0.33	0.49403
50	ENST00000460259	ENSG00000160194	1242	-0.32	2.92E-05
50	ENST00000461347	ENSG00000115053	11253	0.00	0.98333
50	ENST00000461610	ENSG00000187037	36	-0.20	0.72916
50	ENST00000461783	ENSG00000146426	99	-0.33	0.32528
50	ENST00000462107	ENSG00000106327	374	0.11	0.57521
50	ENST00000462722	ENSG00000171097	70	-1.19	6.96E-05
50	ENST00000463448	ENSG00000137210	503	0.12	0.44660
50	ENST00000463469	ENSG00000204634	896	0.07	0.54588
50	ENST00000463477	ENSG00000153707	78	-1.12	3.59E-05
50	ENST00000464588	ENSG00000162415	211	-0.76	0.00015
50	ENST00000465754	ENSG00000137101	3	-1.51	NA
50	ENST00000466232	ENSG00000005486	1954	0.09	0.38702
50	ENST00000468435	ENSG00000147854	2260	-0.15	0.05415
50	ENST00000469143	ENSG00000213551	1595	0.07	0.48061
50	ENST00000469185	ENSG00000112763	583	-0.03	0.81663
50	ENST00000469481	ENSG00000101972	5867	0.00	0.99643
50	ENST00000469902	ENSG00000221955	295	-0.52	0.00012
50	ENST00000470180	ENSG00000143612	6832	-1.00	1.03E-71
50	ENST00000470671	ENSG00000198034	22573	0.17	0.01058
50	ENST00000471595	ENSG00000114054	1656	-0.17	0.02640
50	ENST00000471714	ENSG00000154175	32	-1.63	0.00170
50	ENST00000472647	ENSG00000143156	484	-0.17	0.21905
50	ENST00000472729	ENSG00000173163	159	-0.51	0.01078
50	ENST00000473897	ENSG00000170965	8	0.44	NA
50	ENST00000474602	ENSG00000081377	400	-0.95	3.98E-15
50	ENST00000474889	ENSG00000144724	96	-1.64	1.47E-15
50	ENST00000475087	ENSG00000100473	289	-0.13	0.45521
50	ENST00000475243	ENSG00000124164	3600	-0.09	0.16836
50	ENST00000475268	ENSG00000065665	232	0.10	0.71319
50	ENST00000476620	ENSG00000086289	653	0.17	0.19006
50	ENST00000476781	ENSG00000136522	631	0.06	0.68597
50	ENST00000476805	ENSG00000179833	563	0.10	0.56885
50	ENST00000477459	ENSG00000187260	48	-0.84	0.01832
50	ENST00000477571	ENSG00000157800	636	0.22	0.10518
50	ENST00000477973	ENSG00000163602	1099	0.03	0.78166
50	ENST00000478722	ENSG00000171723	530	-1.20	6.36E-31
50	ENST00000478934	ENSG00000223501	1836	0.07	0.49682
50	ENST00000479209	ENSG00000120742	2145	0.39	1.19E-12
50	ENST00000481247	ENSG00000183826	268	-0.90	1.80E-11
50	ENST00000481600	ENSG00000107938	1371	0.17	0.05377
50	ENST00000482278	ENSG00000130640	2393	-0.32	1.98E-08
50	ENST00000485419	ENSG00000283154	207	-0.48	0.04266
50	ENST00000485760	ENSG00000173406	633	0.73	4.99E-15
50	ENST00000486776	ENSG00000125850	4	-1.38	NA
50	ENST00000487078	ENSG00000084693	1488	-0.05	0.61393

50	ENST00000487159	ENSG00000182606	1819	-0.05	0.60759
50	ENST00000487694	ENSG00000185008	377	-0.10	0.48686
50	ENST00000488477	ENSG00000152049	4	-1.27	NA
50	ENST00000488612	ENSG00000182185	101	-1.66	3.51E-09
50	ENST00000488683	ENSG00000169504	5996	-0.22	0.00077
50	ENST00000489671	ENSG00000114126	1213	-0.89	2.31E-18
50	ENST00000490107	ENSG00000185420	307	-1.01	4.15E-10
50	ENST00000490457	ENSG00000172888	1205	0.17	0.03081
50	ENST00000490508	ENSG00000115459	260	-0.28	0.08969
50	ENST00000490798	ENSG00000101104	800	-0.10	0.48998
50	ENST00000491361	ENSG00000163645	6	0.40	NA
50	ENST00000491526	ENSG00000135540	874	-0.41	4.21E-05
50	ENST00000491853	ENSG00000143294	2705	-0.07	0.50851
50	ENST00000491959	ENSG00000170044	2	-4.68	NA
50	ENST00000492590	ENSG00000189283	34	-1.21	0.01504
50	ENST00000492595	ENSG00000121542	272	0.04	0.86287
50	ENST00000492622	ENSG00000102531	7691	-0.04	0.60438
50	ENST00000492661	ENSG00000196549	71	-0.30	0.50872
50	ENST00000494598	ENSG00000114805	11	-1.29	0.07976
50	ENST00000494793	ENSG00000143502	5	-2.00	NA
50	ENST00000495546	ENSG00000187699	63	-0.55	0.12791
50	ENST00000496343	ENSG00000101049	9	-1.24	0.14721
50	ENST00000496391	ENSG00000128563	516	-0.05	0.81226
50	ENST00000497497	ENSG00000165646	2	-4.58	NA
50	ENST00000498004	ENSG00000169239	221	0.06	0.81874
50	ENST00000498165	ENSG00000163590	438	-0.40	0.00021
50	ENST00000498272	ENSG00000116205	565	-0.03	0.89812
50	ENST00000498382	ENSG00000143786	17	0.08	0.93171
50	ENST00000498707	ENSG00000163638	23	-0.50	0.45541
50	ENST00000502463	ENSG00000249375	11	1.13	0.13371
50	ENST00000502484	ENSG00000113448	13128	-0.29	2.28E-05
50	ENST00000502732	ENSG00000143322	3792	-0.09	0.16980
50	ENST00000503581	ENSG00000188107	6	-0.74	NA
50	ENST00000503997	ENSG00000109390	230	-0.01	0.97913
50	ENST00000504123	ENSG00000138767	1344	-0.19	0.05396
50	ENST00000504273	ENSG00000109762	596	-0.15	0.26414
50	ENST00000505286	ENSG00000168818	766	-0.09	0.54274
50	ENST00000505450	ENSG00000007062	103	-1.17	2.20E-05
50	ENST00000506087	ENSG00000170088	558	-0.44	0.00035
50	ENST00000506823	ENSG00000174473	30	0.13	0.87484
50	ENST00000506886	ENSG00000196104	23	-0.91	0.15506
50	ENST00000507958	ENSG00000145526	12	-3.13	0.00066
50	ENST00000508784	ENSG00000151612	1021	0.23	0.00747
50	ENST00000508803	ENSG00000109685	7474	-0.20	1.66E-07
50	ENST00000508859	ENSG00000206077	218	0.20	0.42878
50	ENST00000509176	ENSG00000184305	197	0.15	0.51448
50	ENST00000509193	ENSG00000164300	648	-0.46	1.71E-06
50	ENST00000509479	ENSG00000196782	807	-1.08	6.39E-40

50	ENST00000510520	ENSG00000145491	21	0.66	0.36991
50	ENST00000511320	ENSG00000087206	1004	0.03	0.85401
50	ENST00000511725	ENSG00000131508	1776	-0.17	0.00818
50	ENST00000511736	ENSG00000172262	2952	-0.03	0.80224
50	ENST00000512123	ENSG00000138759	3089	-0.43	1.88E-16
50	ENST00000512223	ENSG00000139154	2358	-0.03	0.82126
50	ENST00000513000	ENSG00000109452	256	0.16	0.47216
50	ENST00000513610	ENSG00000145555	18244	-0.58	5.33E-53
50	ENST00000513970	ENSG00000158402	455	-0.30	0.01636
50	ENST00000514533	ENSG00000175414	692	-0.47	9.67E-06
50	ENST00000515030	ENSG00000151726	537	-0.01	0.96813
50	ENST00000515426	ENSG00000100207	4464	-0.24	2.80E-07
50	ENST00000515780	ENSG00000249242	2	-1.90	NA
50	ENST00000517417	ENSG00000204956	47	0.56	0.14762
50	ENST00000517434	ENSG00000253731	47	-0.11	0.82914
50	ENST00000517566	ENSG00000164830	783	-0.06	0.68775
50	ENST00000517608	ENSG00000104343	543	-0.21	0.20792
50	ENST00000518069	ENSG00000253485	23	0.78	0.24123
50	ENST00000518476	ENSG00000176571	4	1.04	NA
50	ENST00000518659	ENSG00000145934	352	-1.83	4.57E-46
50	ENST00000519250	ENSG00000076554	1499	-0.33	9.19E-05
50	ENST00000519374	ENSG00000113732	2015	-0.07	0.52123
50	ENST00000519560	ENSG00000184347	39	-2.77	9.26E-13
50	ENST00000519728	ENSG00000254087	471	-0.17	0.31823
50	ENST00000519949	ENSG00000204764	464	0.13	0.50507
50	ENST00000520369	ENSG00000169122	55	0.00	0.99352
50	ENST00000520429	ENSG00000112237	1077	-0.84	1.09E-21
50	ENST00000520539	ENSG00000104517	5917	-0.02	0.82154
50	ENST00000520739	ENSG00000104660	930	-0.18	0.05869
50	ENST00000520968	ENSG00000170271	6	0.42	NA
50	ENST00000521198	ENSG00000104205	38	-0.06	0.92763
50	ENST00000521481	ENSG00000094755	7	-2.89	NA
50	ENST00000521645	ENSG00000164933	64	0.28	0.47206
50	ENST00000521769	ENSG00000113263	12	-0.21	0.86408
50	ENST00000521788	ENSG00000184374	3	0.34	NA
50	ENST00000521903	ENSG00000156802	4487	-0.17	0.02110
50	ENST00000521943	ENSG00000198586	2243	-0.17	0.03139
50	ENST00000522227	ENSG00000044115	19394	0.00	0.95739
50	ENST00000522317	ENSG00000169427	2	-1.00	NA
50	ENST00000522371	ENSG00000196591	2818	0.05	0.55467
50	ENST00000522495	ENSG00000131203	82	-2.10	8.90E-19
50	ENST00000522605	ENSG00000253910	33	-0.09	0.88554
50	ENST00000522684	ENSG00000169398	3164	-0.46	6.83E-13
50	ENST00000523277	ENSG00000147536	1774	-0.61	7.17E-17
50	ENST00000523361	ENSG00000104231	621	0.06	0.75973
50	ENST00000523374	ENSG00000251192	156	0.50	0.00985
50	ENST00000523390	ENSG00000254221	70	-0.18	0.60591
50	ENST00000523949	ENSG00000104765	2006	-0.12	0.17178

50	ENST00000524160	ENSG00000256061	5	-0.07	NA
50	ENST00000524189	ENSG00000197892	511	-0.65	7.19E-10
50	ENST00000524195	ENSG00000104381	471	0.18	0.21655
50	ENST00000524205	ENSG00000239704	38	-0.06	0.92469
50	ENST00000524300	ENSG00000040341	635	-0.24	0.03868
50	ENST00000524717	ENSG00000184384	664	-0.55	3.19E-08
50	ENST00000524981	ENSG00000188596	19	0.65	0.29562
50	ENST00000525123	ENSG00000165923	47	0.25	0.63081
50	ENST00000525539	ENSG00000166473	5	0.28	NA
50	ENST00000525566	ENSG00000198431	13137	0.19	2.52E-05
50	ENST00000525729	ENSG00000166323	4	0.30	NA
50	ENST00000527031	ENSG00000105639	38	-0.59	0.24100
50	ENST00000527524	ENSG00000149403	4	-4.35	NA
50	ENST00000527561	ENSG00000181135	671	-0.08	0.56774
50	ENST00000527633	ENSG00000137502	634	0.18	0.12697
50	ENST00000527636	ENSG00000187079	13462	-0.09	0.10916
50	ENST00000528021	ENSG00000204370	474	-0.07	0.75511
50	ENST00000528216	ENSG00000148985	528	-2.15	6.86E-59
50	ENST00000528838	ENSG00000185122	4133	-0.03	0.75939
50	ENST00000529006	ENSG00000173120	4926	-0.10	0.06757
50	ENST00000529047	ENSG00000173599	4616	-0.45	4.98E-10
50	ENST00000529230	ENSG00000175216	8845	-0.14	0.01372
50	ENST00000529681	ENSG00000117983	6	-0.12	NA
50	ENST00000529882	ENSG00000112339	2147	0.09	0.24373
50	ENST00000530101	ENSG00000172803	4	0.42	NA
50	ENST00000530562	ENSG00000166435	442	-0.47	4.05E-05
50	ENST00000530639	ENSG00000135362	3247	-0.14	0.00407
50	ENST00000530656	ENSG00000019485	803	0.23	0.02731
50	ENST00000530758	ENSG00000254999	1504	-0.07	0.59524
50	ENST00000531428	ENSG00000011405	3425	-0.17	0.04315
50	ENST00000531445	ENSG00000181215	2	-1.32	NA
50	ENST00000531499	ENSG00000119714	1	0.13	NA
50	ENST00000531864	ENSG00000197302	315	-0.32	0.07024
50	ENST00000532219	ENSG00000254996	62	0.01	0.98054
50	ENST00000532677	ENSG00000254986	1265	-0.36	1.63E-05
50	ENST00000532947	ENSG00000169519	654	0.05	0.71598
50	ENST00000533028	ENSG00000117620	580	0.01	0.97112
50	ENST00000533559	ENSG00000168522	681	0.14	0.18955
50	ENST00000533902	ENSG00000150687	7782	0.24	3.60E-06
50	ENST00000534300	ENSG00000110497	1618	-0.24	0.00017
50	ENST00000534366	ENSG00000179832	1766	-0.68	1.73E-16
50	ENST00000534898	ENSG00000100890	154	-0.38	0.14038
50	ENST00000535342	ENSG00000154240	132	-0.05	0.89468
50	ENST00000535520	ENSG00000123106	769	-0.32	0.00993
50	ENST00000535621	ENSG00000179889	4465	-0.20	5.35E-05
50	ENST00000536218	ENSG00000105486	2832	-0.26	1.04E-06
50	ENST00000536235	ENSG00000159374	2	-3.92	NA
50	ENST00000536254	ENSG00000189042	243	-0.04	0.89743

50	ENST00000536603	ENSG00000104983	296	-0.12	0.51033
50	ENST00000536792	ENSG00000132964	422	-0.46	0.00074
50	ENST00000537098	ENSG00000153815	4390	-0.82	#####
50	ENST00000537140	ENSG00000182985	445	-0.72	5.22E-12
50	ENST00000537505	ENSG00000029725	2646	-0.16	0.02551
50	ENST00000537969	ENSG00000166321	30	-0.46	0.46683
50	ENST00000538336	ENSG00000122642	5721	-0.29	7.05E-07
50	ENST00000539036	ENSG00000008394	3118	0.14	0.04886
50	ENST00000539198	ENSG00000111186	10	-3.81	0.00330
50	ENST00000539517	ENSG00000139910	2	-2.12	NA
50	ENST00000539565	ENSG00000100479	435	-0.44	0.00015
50	ENST00000539925	ENSG00000111321	4565	0.29	7.28E-06
50	ENST00000540606	ENSG00000107669	867	-0.24	0.02683
50	ENST00000540797	ENSG00000140455	1462	-0.02	0.86500
50	ENST00000540871	ENSG00000100902	105	0.42	0.19613
50	ENST00000540933	ENSG00000089597	28526	-0.27	7.17E-08
50	ENST00000540947	ENSG00000172824	64	-0.27	0.54338
50	ENST00000540980	ENSG00000112592	390	0.01	0.94781
50	ENST00000541189	ENSG00000174099	1059	-0.52	1.20E-12
50	ENST00000541284	ENSG00000080802	878	0.20	0.03833
50	ENST00000541285	ENSG00000091542	5239	-0.36	1.12E-08
50	ENST00000541297	ENSG00000104853	3493	0.03	0.76996
50	ENST00000541812	ENSG00000003096	5523	-0.07	0.25059
50	ENST00000542077	ENSG00000143476	2907	-0.23	4.12E-06
50	ENST00000543095	ENSG00000129493	992	-0.43	2.99E-06
50	ENST00000543117	ENSG00000106052	2599	-0.28	1.99E-05
50	ENST00000543473	ENSG00000111707	1347	-0.06	0.59203
50	ENST00000543571	ENSG00000131023	1476	0.01	0.94858
50	ENST00000543942	ENSG00000185306	6	-0.57	NA
50	ENST00000544246	ENSG00000184226	12	0.68	0.47287
50	ENST00000544583	ENSG00000159842	3389	-0.64	5.23E-38
50	ENST00000544916	ENSG00000111752	695	-0.30	0.00069
50	ENST00000545028	ENSG00000150361	23	-0.44	0.55123
50	ENST00000545249	ENSG00000149357	1343	-0.13	0.19759
50	ENST00000545260	ENSG00000148498	874	-0.54	1.07E-12
50	ENST00000545314	ENSG00000162433	1933	-0.21	0.00336
50	ENST00000545394	ENSG00000129691	998	0.10	0.34722
50	ENST00000545827	ENSG00000103227	40	-1.22	0.00108
50	ENST00000546266	ENSG00000135336	1296	-0.22	0.02659
50	ENST00000546344	ENSG00000105676	1731	-0.14	0.20081
50	ENST00000546361	ENSG00000085872	2398	0.10	0.27411
50	ENST00000546373	ENSG00000135678	1104	-0.12	0.29091
50	ENST00000546463	ENSG00000197111	4414	-0.02	0.80435
50	ENST00000547103	ENSG00000165899	10	1.35	0.18146
50	ENST00000547776	ENSG00000185046	11	0.75	0.41835
50	ENST00000548065	ENSG00000181929	1657	-0.55	3.90E-13
50	ENST00000548143	ENSG00000185721	1227	0.21	0.08323
50	ENST00000549190	ENSG00000134283	2055	0.04	0.73439

50	ENST00000550042	ENSG00000067798	98	-0.86	6.01E-05
50	ENST00000550164	ENSG00000139613	3630	-0.04	0.68450
50	ENST00000550241	ENSG00000135390	3603	-0.09	0.48395
50	ENST00000550422	ENSG00000174233	3461	-0.14	0.10028
50	ENST00000551018	ENSG00000123349	2485	0.01	0.95438
50	ENST00000551291	ENSG00000089009	19043	0.04	0.70124
50	ENST00000551935	ENSG00000129521	655	-0.12	0.39910
50	ENST00000552283	ENSG00000075188	775	-0.47	6.43E-06
50	ENST00000552551	ENSG00000170421	51537	-0.08	0.22572
50	ENST00000552789	ENSG00000111144	1954	-0.17	0.00835
50	ENST00000552828	ENSG00000136026	5903	0.16	0.04261
50	ENST00000553532	ENSG00000111602	2985	-0.01	0.94396
50	ENST00000553558	ENSG00000187105	3	-1.39	NA
50	ENST00000553612	ENSG00000165417	1345	-0.05	0.70615
50	ENST00000554188	ENSG00000211448	1653	-0.36	8.94E-07
50	ENST00000554218	ENSG00000139971	11	-0.64	0.47837
50	ENST00000554479	ENSG00000066629	547	-0.47	3.30E-05
50	ENST00000554546	ENSG00000133961	736	-0.31	0.00221
50	ENST00000554684	ENSG00000100796	2239	0.01	0.95433
50	ENST00000555185	ENSG00000027075	518	-0.32	0.00237
50	ENST00000555265	ENSG00000100629	647	0.33	0.00689
50	ENST00000555677	ENSG00000119650	213	0.11	0.60100
50	ENST00000555989	ENSG00000197555	4479	-0.35	1.13E-09
50	ENST00000556810	ENSG00000070269	392	-0.07	0.71293
50	ENST00000557172	ENSG00000126214	806	-0.07	0.66551
50	ENST00000557325	ENSG00000187097	472	-0.19	0.17401
50	ENST00000557398	ENSG00000185442	76	-0.75	0.02303
50	ENST00000557431	ENSG00000119705	453	-0.09	0.66696
50	ENST00000557794	ENSG00000140479	977	-0.51	1.27E-12
50	ENST00000557978	ENSG00000105717	80	0.09	0.81188
50	ENST00000558014	ENSG00000137872	142	0.36	0.14754
50	ENST00000558017	ENSG00000183208	132	-0.08	0.81245
50	ENST00000558239	ENSG00000128918	60	0.13	0.75226
50	ENST00000558518	ENSG00000130164	6975	0.00	0.96503
50	ENST00000558583	ENSG00000237515	69	-1.72	7.05E-12
50	ENST00000558605	ENSG00000166411	2038	-0.31	4.41E-06
50	ENST00000558745	ENSG00000140391	4970	-0.09	0.22461
50	ENST00000558850	ENSG00000022976	359	-0.09	0.69181
50	ENST00000558873	ENSG00000138617	473	0.20	0.12671
50	ENST00000559000	ENSG00000285253	12	0.61	0.51910
50	ENST00000559228	ENSG00000128923	1066	-0.15	0.21029
50	ENST00000559275	ENSG00000092098	16	-0.31	0.76301
50	ENST00000559488	ENSG00000259207	541	-1.03	2.10E-29
50	ENST00000559757	ENSG00000157450	1372	0.06	0.59092
50	ENST00000559763	ENSG00000185088	874	0.03	0.83344
50	ENST00000560091	ENSG00000156206	2	-1.91	NA
50	ENST00000560210	ENSG00000140297	11	1.08	0.26501
50	ENST00000560234	ENSG00000166803	513	0.08	0.67203

50	ENST00000560626	ENSG00000173517	2409	-1.39	3.59E-66
50	ENST00000560741	ENSG00000172183	146	0.61	0.00083
50	ENST00000560802	ENSG00000069956	3010	0.34	3.81E-08
50	ENST00000560817	ENSG00000103740	10	-1.36	0.10889
50	ENST00000561013	ENSG00000215271	339	-0.29	0.03115
50	ENST00000561069	ENSG00000034053	43	-1.68	1.63E-05
50	ENST00000561302	ENSG00000169758	11	-0.42	0.69813
50	ENST00000561311	ENSG00000171914	2039	-0.26	0.00011
50	ENST00000561500	ENSG00000181019	6174	0.18	0.00163
50	ENST00000561579	ENSG00000159593	1219	-0.39	1.60E-06
50	ENST00000562116	ENSG00000039523	2655	-0.13	0.05783
50	ENST00000562124	ENSG00000075131	596	0.04	0.83714
50	ENST00000562128	ENSG00000197162	674	-0.10	0.52545
50	ENST00000562532	ENSG00000260903	8	-5.15	NA
50	ENST00000562955	ENSG00000198198	3628	0.06	0.46410
50	ENST00000563195	ENSG00000177853	793	0.24	0.07227
50	ENST00000563290	ENSG00000140386	666	-0.07	0.72013
50	ENST00000563392	ENSG00000157349	345	-0.34	0.01195
50	ENST00000563573	ENSG00000140743	999	0.37	2.12E-05
50	ENST00000563924	ENSG00000261371	87	-0.54	0.07773
50	ENST00000564814	ENSG00000181938	610	0.13	0.24291
50	ENST00000565380	ENSG00000103994	7479	-0.22	9.06E-06
50	ENST00000565726	ENSG00000159714	100	-0.03	0.94270
50	ENST00000566029	ENSG00000177200	3274	-0.54	1.73E-12
50	ENST00000566108	ENSG00000090905	3756	0.03	0.77050
50	ENST00000566202	ENSG00000157429	49	0.26	0.57376
50	ENST00000566228	ENSG00000048471	827	-1.09	1.57E-32
50	ENST00000566417	ENSG00000169752	548	0.04	0.82003
50	ENST00000567109	ENSG00000140945	689	-1.91	#####
50	ENST00000567134	ENSG00000169371	391	-0.40	0.00292
50	ENST00000567841	ENSG00000132604	913	0.08	0.46311
50	ENST00000567887	ENSG00000127603	11468	-0.23	2.17E-06
50	ENST00000568007	ENSG00000196470	541	0.19	0.16425
50	ENST00000569304	ENSG00000103769	2741	0.03	0.71848
50	ENST00000569580	ENSG00000260927	5	1.17	NA
50	ENST00000570039	ENSG00000180096	29	0.13	0.84907
50	ENST00000570194	ENSG00000149927	11	-1.05	0.25302
50	ENST00000571252	ENSG00000262576	25	0.06	0.94348
50	ENST00000572933	ENSG00000183914	12	-0.22	0.87361
50	ENST00000573034	ENSG00000266028	2086	-0.31	9.14E-07
50	ENST00000574848	ENSG00000189067	5658	-0.03	0.66175
50	ENST00000575858	ENSG00000170310	220	-1.12	8.57E-14
50	ENST00000576222	ENSG00000262209	20	-0.27	0.73237
50	ENST00000576634	ENSG00000103351	308	-0.21	0.21839
50	ENST00000577513	ENSG00000173065	549	-0.28	0.02265
50	ENST00000579016	ENSG00000167280	894	-0.14	0.30911
50	ENST00000579795	ENSG00000109101	16	-0.69	0.50747
50	ENST00000580191	ENSG00000134504	789	-0.23	0.03587

50	ENST00000580241	ENSG00000179761	22	-0.25	0.71364
50	ENST00000580666	ENSG00000108932	2892	0.04	0.71967
50	ENST00000581120	ENSG00000136463	828	0.00	0.99571
50	ENST00000581396	ENSG00000175662	1633	-0.63	5.74E-19
50	ENST00000581444	ENSG00000134490	361	-1.15	2.35E-17
50	ENST00000581679	ENSG00000166579	1395	0.52	9.58E-12
50	ENST00000582809	ENSG00000146872	1343	-0.17	0.02459
50	ENST00000582970	ENSG00000173821	15229	-0.08	0.14061
50	ENST00000583535	ENSG00000109063	20	-0.71	0.28576
50	ENST00000583600	ENSG00000173838	21	-0.15	0.87125
50	ENST00000583700	ENSG00000101773	1848	-0.03	0.82861
50	ENST00000584348	ENSG00000142494	474	-0.34	0.00137
50	ENST00000585493	ENSG00000198551	268	0.25	0.27087
50	ENST00000586115	ENSG00000186020	316	0.40	0.00130
50	ENST00000586962	ENSG00000267698	54	-0.63	0.10276
50	ENST00000588552	ENSG00000105426	5713	-0.42	2.33E-16
50	ENST00000588852	ENSG00000160633	1992	0.06	0.79646
50	ENST00000588883	ENSG00000167380	428	0.10	0.50972
50	ENST00000589222	ENSG00000141376	406	-1.40	9.91E-25
50	ENST00000589334	ENSG00000091947	899	-0.01	0.96421
50	ENST00000589797	ENSG00000141699	1978	-0.24	0.00160
50	ENST00000590333	ENSG00000160469	186	0.19	0.39547
50	ENST00000590474	ENSG00000108984	1538	-0.15	0.10431
50	ENST00000590800	ENSG00000184828	414	0.07	0.72276
50	ENST00000590918	ENSG00000010310	34	-0.05	0.94316
50	ENST00000591680	ENSG00000186566	2114	-0.62	3.15E-25
50	ENST00000592611	ENSG00000150477	318	0.18	0.29518
50	ENST00000592685	ENSG00000065989	803	-0.49	2.26E-09
50	ENST00000592772	ENSG00000118898	2646	0.06	0.50978
50	ENST00000592883	ENSG00000087903	437	0.00	0.99029
50	ENST00000593135	ENSG00000186185	2852	0.01	0.90262
50	ENST00000593532	ENSG00000131408	1753	-0.06	0.58202
50	ENST00000593562	ENSG00000105737	5	-0.09	NA
50	ENST00000593635	ENSG00000183850	16	-0.14	0.87891
50	ENST00000594594	ENSG00000011243	1326	0.16	0.08747
50	ENST00000594691	ENSG00000236383	3	-2.82	NA
50	ENST00000595618	ENSG00000099331	3683	-0.83	7.50E-57
50	ENST00000595646	ENSG00000204604	429	-0.19	0.24004
50	ENST00000595753	ENSG00000127526	2117	-0.02	0.87066
50	ENST00000595857	ENSG00000225950	3	-0.75	NA
50	ENST00000596019	ENSG00000197124	7	0.12	NA
50	ENST00000596559	ENSG00000198538	552	0.07	0.66080
50	ENST00000597078	ENSG00000197013	20	-0.49	0.42220
50	ENST00000597275	ENSG00000147144	226	-0.78	1.56E-06
50	ENST00000597505	ENSG00000170959	5	-1.33	NA
50	ENST00000598205	ENSG00000105357	93	-2.28	1.12E-20
50	ENST00000598309	ENSG00000130307	15	-1.70	0.03265
50	ENST00000598697	ENSG00000130529	266	0.15	0.47555

50	ENST00000598758	ENSG00000105329	2766	-0.58	9.14E-14
50	ENST00000599157	ENSG00000087076	13	0.04	0.97006
50	ENST00000599207	ENSG00000234465	12	0.73	0.36637
50	ENST00000599538	ENSG00000105053	578	-0.26	0.04081
50	ENST00000599564	ENSG00000089351	2286	-0.63	4.54E-23
50	ENST00000599736	ENSG00000178078	21	0.17	0.86071
50	ENST00000600076	ENSG00000099797	5016	0.18	0.02857
50	ENST00000600322	ENSG00000130755	2	-0.73	NA
50	ENST00000600335	ENSG00000132010	14	0.72	0.38266
50	ENST00000600646	ENSG00000181027	550	0.16	0.20463
50	ENST00000601241	ENSG00000205209	24	0.14	0.85034
50	ENST00000601538	ENSG00000162105	26	-2.79	5.64E-08
50	ENST00000601804	ENSG00000197937	15	-4.17	0.00016
50	ENST00000601935	ENSG00000197372	297	0.30	0.13849
50	ENST00000602122	ENSG00000105699	218	-0.46	0.01151
50	ENST00000602840	ENSG00000154582	881	0.06	0.66416
50	ENST00000603067	ENSG00000270647	2933	0.07	0.52432
50	ENST00000604030	ENSG00000109686	1970	-0.56	2.33E-21
50	ENST00000606738	ENSG00000269113	980	-1.30	2.90E-51
50	ENST00000607016	ENSG00000272325	1604	-0.24	0.00049
50	ENST00000607544	ENSG00000226763	11	-1.26	0.18457
50	ENST00000607635	ENSG00000171453	848	-0.03	0.85580
50	ENST00000607772	ENSG00000153721	79	-0.73	0.01572
50	ENST00000607882	ENSG00000154710	120	-0.34	0.20393
50	ENST00000608872	ENSG00000119402	4923	0.06	0.33998
50	ENST00000609129	ENSG00000273274	2	-2.41	NA
50	ENST00000609672	ENSG00000147065	25911	0.14	0.00015
50	ENST00000609923	ENSG00000122912	651	-0.16	0.29877
50	ENST00000610020	ENSG00000122484	1204	-0.73	2.75E-14
50	ENST00000610213	ENSG00000272886	859	-0.41	3.18E-06
50	ENST00000610722	ENSG00000125885	671	-0.08	0.63081
50	ENST00000610822	ENSG00000107625	972	-0.61	2.81E-10
50	ENST00000611010	ENSG00000160752	4819	-0.27	3.46E-06
50	ENST00000611255	ENSG00000148655	65	-1.85	2.98E-11
50	ENST00000611394	ENSG00000186654	139	-0.55	0.00699
50	ENST00000611507	ENSG00000183291	3192	-0.37	7.95E-11
50	ENST00000611517	ENSG00000186501	1119	-0.40	1.18E-07
50	ENST00000611625	ENSG00000039068	48	-0.63	0.11032
50	ENST00000611745	ENSG00000177679	10	-0.93	0.39104
50	ENST00000612199	ENSG00000196369	350	-0.49	0.00011
50	ENST00000612316	ENSG00000130518	34	0.41	0.51498
50	ENST00000612339	ENSG00000184988	154	-0.07	0.84723
50	ENST00000612372	ENSG00000277149	140	0.14	0.61009
50	ENST00000612630	ENSG00000276043	5136	-0.22	2.25E-05
50	ENST00000612932	ENSG00000274211	1429	-0.54	1.12E-18
50	ENST00000612955	ENSG00000132938	71	-0.08	0.85396
50	ENST00000613048	ENSG00000066468	82	-2.81	4.33E-24
50	ENST00000613215	ENSG00000198856	2052	0.28	0.00032

50	ENST00000613266	ENSG00000086666	1292	-0.08	0.50180
50	ENST00000613434	ENSG00000136758	5088	-0.08	0.27944
50	ENST00000613525	ENSG00000142347	11	-1.16	0.27689
50	ENST00000614300	ENSG00000189339	2589	-0.56	3.35E-24
50	ENST00000614547	ENSG00000179776	98	0.26	0.44734
50	ENST00000614987	ENSG00000100784	468	-0.17	0.26484
50	ENST00000615182	ENSG00000276234	765	-0.13	0.27107
50	ENST00000615189	ENSG00000100003	94	0.03	0.93423
50	ENST00000615198	ENSG00000214575	6	1.33	NA
50	ENST00000615507	ENSG00000166295	1428	-0.30	1.05E-05
50	ENST00000615572	ENSG00000198874	916	-0.70	4.69E-13
50	ENST00000615660	ENSG00000217128	1740	0.07	0.60610
50	ENST00000615845	ENSG00000091536	23	-1.44	0.00428
50	ENST00000615949	ENSG00000198105	379	-0.03	0.89782
50	ENST00000616212	ENSG00000068028	955	-0.30	0.00262
50	ENST00000616305	ENSG00000274070	1504	-0.70	4.57E-23
50	ENST00000616417	ENSG00000248905	266	-0.12	0.57517
50	ENST00000616440	ENSG00000112186	431	-0.89	3.57E-13
50	ENST00000616793	ENSG00000176049	6	-1.72	NA
50	ENST00000616989	ENSG00000205309	54	-0.56	0.16331
50	ENST00000617275	ENSG00000169499	7964	-1.01	2.69E-80
50	ENST00000617277	ENSG00000162779	4	0.94	NA
50	ENST00000617388	ENSG00000163596	50	-0.54	0.11550
50	ENST00000617472	ENSG00000167608	24	-2.66	0.00011
50	ENST00000617722	ENSG00000215126	136	0.55	0.04360
50	ENST00000617923	ENSG00000275111	136	0.02	0.95782
50	ENST00000618101	ENSG00000119508	1420	-0.21	0.00559
50	ENST00000618160	ENSG00000111358	697	-0.13	0.28389
50	ENST00000618621	ENSG00000145012	5681	-0.49	4.24E-16
50	ENST00000618760	ENSG00000089250	3	-1.36	NA
50	ENST00000618787	ENSG00000167637	361	0.20	0.19039
50	ENST00000618819	ENSG00000169410	1195	-0.67	1.13E-23
50	ENST00000618921	ENSG00000196873	82	0.50	0.12312
50	ENST00000619208	ENSG00000186862	116	0.29	0.25195
50	ENST00000619286	ENSG00000271605	3	-1.97	NA
50	ENST00000619387	ENSG00000275700	1267	-0.13	0.25478
50	ENST00000620074	ENSG00000104691	267	-0.09	0.71341
50	ENST00000620195	ENSG00000170100	421	-0.40	0.00034
50	ENST00000620284	ENSG00000278023	44	-0.05	0.93211
50	ENST00000620345	ENSG00000134470	85	0.29	0.45726
50	ENST00000620676	ENSG00000048707	4814	-0.28	3.33E-06
50	ENST00000620860	ENSG00000070785	579	-0.42	0.00015
50	ENST00000621161	ENSG00000131242	84	-0.42	0.19613
50	ENST00000621204	ENSG00000145740	2006	-0.03	0.79883
50	ENST00000621676	ENSG00000160695	715	-0.57	1.52E-09
50	ENST00000621914	ENSG00000006125	11466	-0.35	5.60E-16
50	ENST00000621999	ENSG00000085365	1165	-0.83	2.06E-17
50	ENST00000622583	ENSG00000172613	526	0.08	0.59305

50	ENST00000623858	ENSG00000279170	93	0.46	0.07820
50	ENST00000623927	ENSG00000223802	6	-0.12	NA
50	ENST00000624552	ENSG00000148357	7	1.07	NA
50	ENST00000625099	ENSG00000254827	7	1.47	NA
50	ENST00000625689	ENSG00000128683	170	-0.11	0.69411
50	ENST00000625761	ENSG00000104856	200	-0.91	3.78E-05
50	ENST00000627814	ENSG00000188227	18	-2.26	0.00051
50	ENST00000628018	ENSG00000126247	4450	0.07	0.35560
50	ENST00000628542	ENSG00000079819	1750	-0.42	7.00E-08
50	ENST00000629999	ENSG00000105671	1811	-0.16	0.12175
50	ENST00000630626	ENSG00000141084	890	-0.40	3.10E-05
50	ENST00000630771	ENSG00000060339	2336	-0.03	0.76476
50	ENST00000631210	ENSG00000169057	2787	-0.54	1.19E-21
50	ENST00000634499	ENSG00000021645	7	-0.58	NA
50	ENST00000634891	ENSG00000198838	2	2.29	NA
50	ENST00000635110	ENSG00000078237	177	-0.34	0.08134
50	ENST00000635293	ENSG00000141510	3488	-0.13	0.05553
50	ENST00000635546	ENSG00000123415	844	-0.01	0.93987
50	ENST00000635760	ENSG00000096093	709	0.03	0.88201
50	ENST00000635833	ENSG00000108370	24	0.09	0.91377
50	ENST00000635978	ENSG00000175344	21	-0.11	0.90495
50	ENST00000636006	ENSG00000109265	509	-1.39	1.56E-37
50	ENST00000636136	ENSG00000163673	3	1.60	NA
50	ENST00000636200	ENSG00000198954	1010	0.23	0.01879
50	ENST00000636203	ENSG00000189337	2893	-0.32	6.67E-07
50	ENST00000636209	ENSG00000178031	14	-0.80	0.32994
50	ENST00000636215	ENSG00000175105	500	0.08	0.65987
50	ENST00000636384	ENSG00000136531	5	0.08	NA
50	ENST00000636523	ENSG00000174705	3626	-0.31	4.13E-09
50	ENST00000636680	ENSG00000144642	574	-0.46	0.00028
50	ENST00000636697	ENSG00000283683	5	-0.69	NA
50	ENST00000636707	ENSG00000138107	2864	0.00	0.99688
50	ENST00000636777	ENSG00000158169	1182	-0.04	0.69181
50	ENST00000636817	ENSG00000186184	1375	0.01	0.96648
50	ENST00000637125	ENSG00000153179	1074	0.17	0.12078
50	ENST00000637419	ENSG00000131149	3954	-0.14	0.00572
50	ENST00000637812	ENSG00000125386	1219	-0.57	3.77E-11
50	ENST00000637919	ENSG00000182621	288	-1.32	3.34E-16
50	ENST00000638048	ENSG00000138670	171	-0.02	0.94352
50	ENST00000638062	ENSG00000235387	14	0.54	0.51675
50	ENST00000638429	ENSG00000107779	1344	-0.17	0.05198
50	ENST00000638827	ENSG00000161551	3	0.11	NA
50	ENST00000638991	ENSG00000156113	3	-0.19	NA
50	ENST00000639100	ENSG00000175193	65	0.13	0.77836
50	ENST00000639600	ENSG00000197563	1119	0.11	0.30841
50	ENST00000640168	ENSG00000084093	2628	-0.02	0.86340
50	ENST00000640418	ENSG00000115525	115	-0.22	0.47845
50	ENST00000640575	ENSG00000170417	105	0.12	0.75095

50	ENST00000640666	ENSG00000124155	4605	0.04	0.63090
50	ENST00000641051	ENSG00000109339	6	-1.02	NA
50	ENST00000641145	ENSG00000141905	8895	-0.46	2.43E-18
50	ENST00000641206	ENSG00000140836	8328	0.09	0.06652
50	ENST00000641815	ENSG00000166900	721	0.06	0.69350
50	ENST00000642050	ENSG00000131238	5805	0.21	0.00014
50	ENST00000642236	ENSG00000163781	4657	0.01	0.92249
50	ENST00000642238	ENSG00000132849	867	-0.99	8.96E-34
50	ENST00000642389	ENSG00000204842	1599	0.00	0.97130
50	ENST00000642475	ENSG00000125304	5423	0.15	0.01237
50	ENST00000642955	ENSG00000188517	4589	-0.82	1.68E-51
50	ENST00000643019	ENSG00000155974	5	-1.60	NA
50	ENST00000643034	ENSG00000049167	388	-0.05	0.81674
50	ENST00000644076	ENSG00000100167	49	-0.48	0.33329
50	ENST00000644092	ENSG00000095002	1986	-0.10	0.30195
50	ENST00000644362	ENSG00000102144	21399	0.01	0.86519
50	ENST00000644646	ENSG00000134444	1300	0.07	0.55778
50	ENST00000644820	ENSG00000186487	6	0.88	NA
50	ENST00000644917	ENSG00000070182	19	-1.34	0.03386
50	ENST00000644968	ENSG00000120278	433	-0.97	1.79E-14
50	ENST00000644974	ENSG00000141068	2551	-0.19	0.00619
50	ENST00000644978	ENSG00000138411	332	-0.39	0.00364
50	ENST00000645500	ENSG00000149231	1007	0.28	0.00700
50	ENST00000645527	ENSG00000137710	7754	-0.43	4.27E-15
50	ENST00000645624	ENSG00000127990	1033	0.37	3.97E-05
50	ENST00000645843	ENSG00000164074	355	-0.87	4.02E-13
50	ENST00000645862	ENSG00000164077	380	-0.33	0.00962
50	ENST00000646001	ENSG00000156869	437	-0.13	0.43721
50	ENST00000646065	ENSG00000133816	1324	0.00	0.97863
50	ENST00000646076	ENSG00000102974	2164	-0.14	0.04352
50	ENST00000646273	ENSG00000134532	13	-1.66	0.00976
50	ENST00000646647	ENSG00000100888	4747	-0.10	0.08075
50	ENST00000646648	ENSG00000070081	876	0.40	0.00038
50	ENST00000647005	ENSG00000079335	124	-0.51	0.02871
50	ENST00000647176	ENSG00000196312	1478	-0.95	7.24E-26
50	ENST00000647232	ENSG00000074803	9	0.52	NA
50	ENST00000647536	ENSG00000173809	3	-1.70	NA
50	ENST00000647664	ENSG00000166272	1285	-0.70	4.28E-25
50	ENST00000647814	ENSG00000023839	45	-0.15	0.79383
50	ENST00000647958	ENSG00000163666	11	0.27	0.82670
50	ENST00000648300	ENSG00000074416	3512	-0.13	0.05713
50	ENST00000648544	ENSG00000164543	1023	0.24	0.01119
50	ENST00000648580	ENSG00000145982	358	-0.71	6.55E-10
50	ENST00000648702	ENSG00000173436	183	0.30	0.17178
50	ENST00000648725	ENSG00000156650	1009	0.12	0.24062
50	ENST00000648797	ENSG00000187210	312	-0.57	0.00019
50	ENST00000648817	ENSG00000168724	4131	-0.04	0.65825
50	ENST00000648853	ENSG00000184500	651	0.15	0.30558

50	ENST00000648908	ENSG00000081923	256	-0.38	0.03016
50	ENST00000648947	ENSG00000128908	2545	0.12	0.04977
50	ENST00000649012	ENSG00000108671	4291	-0.06	0.40659
50	ENST00000649065	ENSG00000179455	196	-0.06	0.85062
50	ENST00000649389	ENSG00000140022	1700	-0.40	4.06E-09
50	ENST00000649528	ENSG00000114861	1735	0.00	0.99458
50	ENST00000649564	ENSG00000183287	5	-0.94	NA
50	ENST00000649792	ENSG00000175356	12	-0.38	0.72882
50	ENST00000649812	ENSG00000117298	11850	-0.24	3.34E-06
50	ENST00000649869	ENSG00000175643	393	-0.22	0.11090
50	ENST00000650688	ENSG00000140941	2342	0.06	0.49710
50	ENST00000650759	ENSG00000231527	120	-0.35	0.21373
50	ENST00000650792	ENSG00000011376	1918	-0.32	6.18E-09
50	ENST00000650807	ENSG00000263001	4262	-0.61	2.89E-31
50	ENST00000651028	ENSG00000174428	121	-0.64	0.00304
50	ENST00000651092	ENSG00000099204	9205	0.01	0.92914
50	ENST00000651184	ENSG00000159871	15	0.71	0.32699
50	ENST00000651278	ENSG00000177138	8	0.27	NA
50	ENST00000651335	ENSG00000157168	126	0.10	0.75155
50	ENST00000651472	ENSG00000013810	4341	-0.06	0.47251
50	ENST00000651676	ENSG00000197753	3	-0.45	NA
50	ENST00000651925	ENSG00000286112	7	-1.14	NA
50	ENST00000651934	ENSG00000170581	1331	-1.41	9.70E-76
50	ENST00000651955	ENSG00000148337	4330	-0.34	1.75E-08
50	ENST00000652107	ENSG00000116062	4427	0.05	0.45254
50	ENST00000652176	ENSG00000151746	1372	-0.54	1.57E-12
50	ENST00000652315	ENSG00000088387	1790	-0.19	0.01447
50	ENST00000652320	ENSG00000057657	447	0.11	0.61393
50	ENST00000652600	ENSG00000131724	3155	-0.30	1.34E-07
50	ENST00000653858	ENSG00000166848	995	0.12	0.24367
50	ENST00000656437	ENSG00000142599	2989	-0.43	1.68E-07
50	ENST00000659705	ENSG00000163681	2260	-0.24	0.00016
50	ENST00000661030	ENSG00000162618	2	2.09	NA
50	ENST00000664217	ENSG00000006695	913	0.03	0.86097
50	ENST00000664306	ENSG00000101846	1093	0.22	0.00155
50	ENST00000664495	ENSG00000162599	5579	0.37	0.00174
50	ENST00000664864	ENSG00000141837	10	-1.06	0.27273
50	ENST00000668689	ENSG00000287918	16	0.66	0.40284
50	ENST00000671701	ENSG00000138190	415	-0.44	0.00109
50	ENST00000672453	ENSG00000122507	364	-0.31	0.02018
50	ENST00000672724	ENSG00000130939	3864	-0.74	2.19E-35
50	ENST00000672902	ENSG00000112541	8101	0.31	0.00307
50	ENST00000672955	ENSG00000145362	29	0.36	0.52357
50	ENST00000672957	ENSG00000138303	759	-0.70	1.67E-15
50	ENST00000673384	ENSG00000169126	115	-0.52	0.07825
50	ENST00000673704	ENSG00000187555	4460	0.12	0.05723
50	ENST00000673738	ENSG00000170236	9	-0.36	NA
50	ENST00000673740	ENSG00000265590	97	-0.74	0.01579

50	ENST00000673785	ENSG00000001626	20	0.05	0.95516
50	ENST00000673816	ENSG00000115415	2762	-0.04	0.69893
50	ENST00000673907	ENSG00000242220	4	0.65	NA
50	ENST00000674063	ENSG00000051382	1096	-0.59	1.58E-11
50	ENST00000674117	ENSG00000099139	17	-0.28	0.72767
50	ENST00000674284	ENSG00000120458	228	0.05	0.83680

Supplementary Table 10 lists all genes that were targeted by ASO 50 and RNA-seq data was available. The transcript ID is given together with the ENSEMBL gene ID. Mean expression, log2 fold change and the adjusted p-value (padj) were calculated using DESeq2. *IDO1* (ENSG00000131203) is marked in bold.

Supplementary Table 11

ASO	ENSEMBL_Transcript_ID	ENSEMBL_Gene_ID	mean_expression	log ₂ (FoldChange)	padj
52	ENST00000005260	ENSG00000006453	1303	-0.17	0.02964
52	ENST00000011619	ENSG00000010017	1551	0.05	0.71781
52	ENST00000040663	ENSG00000037757	1467	-0.04	0.73106
52	ENST00000054666	ENSG00000049245	2030	0.13	0.13275
52	ENST00000066544	ENSG00000004897	3712	-0.10	0.22332
52	ENST00000075503	ENSG00000060140	23	0.25	0.72630
52	ENST00000083182	ENSG00000062725	1098	-0.05	0.67690
52	ENST00000156499	ENSG00000129437	3	-2.36	NA
52	ENST00000176763	ENSG00000072786	722	-0.04	0.74505
52	ENST00000180173	ENSG00000003987	40	-0.48	0.35053
52	ENST00000181839	ENSG00000065883	2752	-0.29	2.69E-07
52	ENST00000185206	ENSG00000112782	28	-0.05	0.94647
52	ENST00000199814	ENSG00000086589	1382	0.28	8.41E-05
52	ENST00000199940	ENSG00000078018	1086	-0.10	0.42583
52	ENST00000200181	ENSG00000132470	3803	0.31	2.62E-06
52	ENST00000202677	ENSG00000188559	590	-0.26	0.02463
52	ENST00000202816	ENSG00000089048	345	-0.08	0.73145
52	ENST00000205061	ENSG00000090863	7994	-0.32	3.00E-12
52	ENST00000206474	ENSG00000092036	223	-0.42	0.00942
52	ENST00000207549	ENSG00000092929	9185	0.13	0.06377
52	ENST00000209884	ENSG00000076321	764	0.13	0.20249
52	ENST00000210313	ENSG00000095261	3474	-0.12	0.13439
52	ENST00000215095	ENSG00000099365	91	-0.14	0.78022
52	ENST00000215730	ENSG00000099940	813	0.06	0.64096
52	ENST00000216024	ENSG00000100206	35	-0.38	0.49377
52	ENST00000216029	ENSG00000100211	213	-0.13	0.59716
52	ENST00000216038	ENSG00000100220	1995	-0.09	0.22116
52	ENST00000216225	ENSG00000100387	950	-0.05	0.75897
52	ENST00000216268	ENSG00000100426	2032	-0.10	0.17366
52	ENST00000216330	ENSG00000100442	1271	0.15	0.14025
52	ENST00000216455	ENSG00000100567	1529	-0.02	0.88160
52	ENST00000216489	ENSG00000100601	293	-0.11	0.55159
52	ENST00000217246	ENSG00000172264	46	-0.41	0.37734
52	ENST00000218006	ENSG00000101890	3	-0.75	NA
52	ENST00000218147	ENSG00000085185	935	0.46	7.46E-10
52	ENST00000218340	ENSG00000102218	448	0.15	0.34574
52	ENST00000219368	ENSG00000103089	30	1.02	0.06270
52	ENST00000219611	ENSG00000103326	4020	0.08	0.51719
52	ENST00000220244	ENSG00000103888	10	-0.92	NA
52	ENST00000220325	ENSG00000103966	1265	-0.09	0.31751
52	ENST00000220597	ENSG00000076641	218	-0.57	0.00099
52	ENST00000220616	ENSG00000042832	10	0.92	NA
52	ENST00000221847	ENSG00000105246	36	0.55	0.31000
52	ENST00000221856	ENSG00000105255	142	0.15	0.60076
52	ENST00000222249	ENSG00000105642	4	1.49	NA
52	ENST00000222271	ENSG00000105664	22	-0.92	0.09217

52	ENST00000222345	ENSG00000105738	1990	-1.12	1.46E-78
52	ENST00000222644	ENSG00000105926	2147	-0.03	0.77781
52	ENST00000222673	ENSG00000105953	8461	-0.46	6.05E-20
52	ENST00000222690	ENSG00000105968	9329	0.00	0.99342
52	ENST00000222812	ENSG00000106089	410	0.03	0.86471
52	ENST00000223398	ENSG00000106665	531	-0.51	1.86E-06
52	ENST00000223642	ENSG00000106804	84	-0.71	0.01497
52	ENST00000223864	ENSG00000107020	228	-0.26	0.18204
52	ENST00000225296	ENSG00000005100	2924	-0.04	0.62638
52	ENST00000225724	ENSG00000108587	2097	0.15	0.01341
52	ENST00000225737	ENSG00000108599	1322	-0.26	0.00255
52	ENST00000226725	ENSG00000109466	645	-0.12	0.29185
52	ENST00000227349	ENSG00000109944	70	-0.23	0.60538
52	ENST00000228347	ENSG00000013503	682	0.05	0.77410
52	ENST00000228928	ENSG00000111331	1924	0.23	0.01478
52	ENST00000230036	ENSG00000112293	119	-0.38	0.14798
52	ENST00000230085	ENSG00000112335	1399	-0.09	0.36982
52	ENST00000231368	ENSG00000113441	3654	0.14	0.06311
52	ENST00000232564	ENSG00000114450	4641	0.02	0.85349
52	ENST00000233055	ENSG00000085449	857	-0.28	0.00573
52	ENST00000233057	ENSG00000055332	2423	-0.07	0.42319
52	ENST00000233121	ENSG00000084764	89	0.05	0.90360
52	ENST00000233468	ENSG00000115128	882	0.22	0.04366
52	ENST00000234160	ENSG00000115806	2320	0.09	0.17939
52	ENST00000234677	ENSG00000031698	3103	0.32	9.82E-09
52	ENST00000235307	ENSG00000116667	234	-0.27	0.14215
52	ENST00000235310	ENSG00000116670	1160	0.04	0.74578
52	ENST00000236698	ENSG00000118007	2103	-0.64	5.53E-12
52	ENST00000238823	ENSG00000119812	1062	0.26	0.00757
52	ENST00000238831	ENSG00000119820	1321	-0.48	1.93E-12
52	ENST00000239440	ENSG00000120318	1030	0.09	0.36009
52	ENST00000239882	ENSG00000120690	988	-0.13	0.25281
52	ENST00000240185	ENSG00000120948	1289	0.21	0.03562
52	ENST00000242323	ENSG00000122741	1724	-0.41	3.35E-10
52	ENST00000242783	ENSG00000123143	5488	0.12	0.19662
52	ENST00000242827	ENSG00000123179	509	-0.02	0.92259
52	ENST00000243077	ENSG00000123384	11450	0.00	0.97278
52	ENST00000244221	ENSG00000124374	21	0.53	0.38926
52	ENST00000244230	ENSG00000124383	824	0.26	0.03426
52	ENST00000245838	ENSG00000125676	3685	0.11	0.12781
52	ENST00000246186	ENSG00000125966	83	-0.71	0.00484
52	ENST00000247001	ENSG00000105705	906	-0.11	0.35989
52	ENST00000247461	ENSG00000127022	39606	-0.02	0.79445
52	ENST00000247668	ENSG00000127191	2504	-0.06	0.62015
52	ENST00000247843	ENSG00000127337	420	-0.03	0.87280
52	ENST00000248633	ENSG00000127980	880	-0.07	0.57750
52	ENST00000248929	ENSG00000100359	10	0.05	NA
52	ENST00000249837	ENSG00000129003	4709	-0.09	0.28780

52	ENST00000250160	ENSG00000104415	4	-0.62	NA
52	ENST00000250559	ENSG00000127314	2722	0.07	0.40667
52	ENST00000251076	ENSG00000104093	2473	-0.28	0.00050
52	ENST00000251143	ENSG00000103544	2486	-0.62	1.03E-15
52	ENST00000251195	ENSG00000092853	3238	-0.07	0.37157
52	ENST00000251507	ENSG00000152061	474	-0.88	1.14E-13
52	ENST00000251582	ENSG00000087116	2	-0.93	NA
52	ENST00000251691	ENSG00000112379	931	-0.31	0.00091
52	ENST00000251775	ENSG00000114520	684	-0.11	0.44087
52	ENST00000252085	ENSG00000253159	11	0.11	NA
52	ENST00000252108	ENSG00000110344	2589	-0.01	0.96334
52	ENST00000252440	ENSG00000130159	680	-0.34	0.00257
52	ENST00000252483	ENSG00000130202	1550	-0.01	0.94729
52	ENST00000252771	ENSG00000130475	102	0.23	0.51827
52	ENST00000253048	ENSG00000130749	2992	-0.03	0.79645
52	ENST00000253577	ENSG00000131269	1206	-0.04	0.72979
52	ENST00000253693	ENSG00000131375	1412	-0.01	0.93606
52	ENST00000253778	ENSG00000131459	395	0.15	0.36771
52	ENST00000253812	ENSG00000254245	10	-1.15	NA
52	ENST00000253861	ENSG00000131558	2192	-1.02	7.20E-69
52	ENST00000253928	ENSG00000059122	1448	0.08	0.52084
52	ENST00000254250	ENSG00000131931	157	0.36	0.12082
52	ENST00000254442	ENSG00000091157	846	-0.31	0.00025
52	ENST00000254480	ENSG00000173473	5710	-0.13	0.00992
52	ENST00000254528	ENSG00000132205	137	-0.06	0.83232
52	ENST00000254630	ENSG00000132300	2154	-0.11	0.24586
52	ENST00000254654	ENSG00000132323	671	-0.14	0.33022
52	ENST00000254657	ENSG00000132326	836	0.32	0.00226
52	ENST00000254730	ENSG00000132394	653	-0.11	0.33959
52	ENST00000254898	ENSG00000132561	831	0.18	0.07565
52	ENST00000254963	ENSG00000132622	16	0.14	0.87998
52	ENST00000255305	ENSG00000132953	1801	-0.17	0.06898
52	ENST00000255559	ENSG00000133195	272	-0.95	6.65E-15
52	ENST00000255681	ENSG00000133315	995	-0.39	0.00018
52	ENST00000255882	ENSG00000241973	3396	-0.64	8.05E-31
52	ENST00000256190	ENSG00000133812	1340	-0.99	2.61E-32
52	ENST00000256324	ENSG00000133943	371	-1.08	1.05E-20
52	ENST00000256339	ENSG00000133958	14	-1.20	NA
52	ENST00000256367	ENSG00000133985	39	0.31	0.57059
52	ENST00000256544	ENSG00000134152	896	-0.17	0.17209
52	ENST00000256637	ENSG00000134243	1994	0.02	0.87070
52	ENST00000256925	ENSG00000134508	1720	-0.19	0.01796
52	ENST00000257209	ENSG00000134775	78	-0.22	0.59562
52	ENST00000257247	ENSG00000124942	48128	0.60	7.62E-28
52	ENST00000257604	ENSG00000135148	638	0.04	0.82858
52	ENST00000257915	ENSG00000135457	1169	-0.34	2.53E-05
52	ENST00000257963	ENSG00000135503	743	-0.08	0.65132
52	ENST00000258187	ENSG00000103034	244	0.23	0.16835

52	ENST00000258198	ENSG00000135720	3213	0.05	0.50268
52	ENST00000258201	ENSG00000135723	1992	0.14	0.10668
52	ENST00000258390	ENSG00000135905	829	-0.22	0.05593
52	ENST00000258499	ENSG00000136014	6	-1.35	NA
52	ENST00000258729	ENSG00000136231	3013	-0.30	1.10E-05
52	ENST00000259075	ENSG00000136560	607	-0.04	0.82488
52	ENST00000259154	ENSG00000136636	3156	0.23	1.55E-06
52	ENST00000259234	ENSG00000136715	1126	0.00	0.97981
52	ENST00000259351	ENSG00000136828	134	-0.17	0.57704
52	ENST00000259371	ENSG00000136848	2408	0.27	3.29E-05
52	ENST00000260129	ENSG00000137574	1113	0.14	0.20658
52	ENST00000260264	ENSG00000137709	23	0.30	0.73114
52	ENST00000260506	ENSG00000137942	1475	0.21	0.00794
52	ENST00000260570	ENSG00000138002	967	-0.39	1.71E-05
52	ENST00000260605	ENSG00000138036	131	-0.68	0.00651
52	ENST00000260641	ENSG00000138071	6115	0.05	0.55159
52	ENST00000261180	ENSG00000072657	55	-2.14	5.62E-11
52	ENST00000261245	ENSG00000020426	249	-0.50	0.00795
52	ENST00000261275	ENSG00000104059	13	-2.81	NA
52	ENST00000261292	ENSG00000101670	50	-0.06	0.89719
52	ENST00000261383	ENSG00000158486	15	-1.55	NA
52	ENST00000261509	ENSG00000129116	8349	-0.01	0.88245
52	ENST00000261530	ENSG00000089916	1524	-0.07	0.55362
52	ENST00000261584	ENSG00000083093	1189	-0.03	0.85589
52	ENST00000261597	ENSG00000080986	1526	0.05	0.71896
52	ENST00000261637	ENSG00000120800	2905	-0.28	1.46E-05
52	ENST00000261658	ENSG00000103429	2160	-0.11	0.06941
52	ENST00000261714	ENSG00000108578	1768	-0.16	0.05580
52	ENST00000261721	ENSG00000064726	3105	0.03	0.77356
52	ENST00000261726	ENSG00000111249	13	-3.33	NA
52	ENST00000261733	ENSG00000111275	551	-0.24	0.05197
52	ENST00000261740	ENSG00000111199	26	-0.73	0.28208
52	ENST00000261778	ENSG00000103047	675	-0.95	6.51E-25
52	ENST00000261798	ENSG00000113712	3797	-0.10	0.12933
52	ENST00000261837	ENSG00000069966	2988	-0.09	0.19918
52	ENST00000261842	ENSG00000081014	1576	-0.01	0.94132
52	ENST00000261866	ENSG00000104133	3099	-0.60	1.09E-21
52	ENST00000261884	ENSG00000103671	597	-0.23	0.05580
52	ENST00000261893	ENSG00000103642	353	-0.08	0.69434
52	ENST00000261942	ENSG00000113194	3211	-0.08	0.32025
52	ENST00000261951	ENSG00000113300	2870	-0.05	0.55640
52	ENST00000262032	ENSG00000123411	227	0.20	0.30938
52	ENST00000262053	ENSG00000123268	1024	0.22	0.03136
52	ENST00000262065	ENSG00000108960	196	-0.32	0.08306
52	ENST00000262120	ENSG00000128791	1102	-0.18	0.09558
52	ENST00000262126	ENSG00000101745	806	-0.05	0.73724
52	ENST00000262133	ENSG00000103479	1674	-0.18	0.00851
52	ENST00000262139	ENSG00000070540	448	-0.20	0.21418

52	ENST00000262210	ENSG00000104218	589	-0.11	0.53912
52	ENST00000262241	ENSG00000089902	1530	-0.16	0.07920
52	ENST00000262291	ENSG00000062716	11245	-0.19	0.03351
52	ENST00000262367	ENSG00000005339	5545	-0.08	0.24164
52	ENST00000262428	ENSG00000103187	3425	0.04	0.68258
52	ENST00000262435	ENSG00000108854	820	0.02	0.92082
52	ENST00000262455	ENSG00000023318	1233	-0.02	0.89447
52	ENST00000262461	ENSG00000064651	1838	0.23	0.00038
52	ENST00000262487	ENSG00000101230	14	0.13	NA
52	ENST00000262539	ENSG00000070159	1081	-0.13	0.11786
52	ENST00000262577	ENSG00000014164	1249	0.01	0.94561
52	ENST00000262643	ENSG00000105173	649	-0.03	0.85573
52	ENST00000262648	ENSG00000011201	667	0.12	0.35995
52	ENST00000262719	ENSG00000081913	876	-0.25	0.00678
52	ENST00000262735	ENSG00000186951	960	-0.28	0.00090
52	ENST00000262768	ENSG00000035862	15395	0.10	0.11904
52	ENST00000262811	ENSG00000099308	940	0.12	0.23459
52	ENST00000262848	ENSG00000183943	920	-0.21	0.01497
52	ENST00000262854	ENSG00000086758	27562	-0.06	0.23546
52	ENST00000262919	ENSG00000088812	1516	-0.11	0.14583
52	ENST00000263088	ENSG00000129219	900	0.13	0.31816
52	ENST00000263092	ENSG00000127804	2374	-0.14	0.05298
52	ENST00000263119	ENSG00000099991	3062	-0.06	0.40263
52	ENST00000263245	ENSG00000242247	1198	-0.10	0.27515
52	ENST00000263253	ENSG00000100393	5869	0.08	0.16340
52	ENST00000263265	ENSG00000105559	87	0.14	0.67742
52	ENST00000263270	ENSG00000042753	2868	0.11	0.15570
52	ENST00000263276	ENSG00000104812	1822	-0.53	6.24E-14
52	ENST00000263277	ENSG00000024422	5867	0.05	0.62983
52	ENST00000263382	ENSG00000105011	3134	-0.21	0.00149
52	ENST00000263468	ENSG00000110318	379	-0.29	0.03981
52	ENST00000263556	ENSG00000122884	1804	-0.08	0.37962
52	ENST00000263559	ENSG00000122958	1387	-0.09	0.44083
52	ENST00000263630	ENSG00000115355	2747	-0.56	2.27E-14
52	ENST00000263694	ENSG00000060688	2269	0.07	0.39728
52	ENST00000263736	ENSG00000068784	569	-0.29	0.05285
52	ENST00000263791	ENSG00000128829	2912	0.08	0.34819
52	ENST00000263798	ENSG00000092445	2812	0.16	0.02850
52	ENST00000263847	ENSG00000110048	2668	-0.04	0.62021
52	ENST00000263918	ENSG00000115808	1428	0.15	0.13718
52	ENST00000263921	ENSG00000109220	140	0.09	0.77429
52	ENST00000263980	ENSG00000090020	810	0.27	0.00576
52	ENST00000264042	ENSG00000006607	1866	-0.11	0.26521
52	ENST00000264157	ENSG00000082258	1135	0.05	0.74464
52	ENST00000264159	ENSG00000121988	308	-0.99	7.62E-13
52	ENST00000264161	ENSG00000115866	1897	-0.16	0.01421
52	ENST00000264162	ENSG00000115850	3	1.58	NA
52	ENST00000264170	ENSG00000115919	4014	-0.01	0.94132

52	ENST00000264202	ENSG00000077549	5273	0.02	0.78610
52	ENST00000264235	ENSG00000082701	3478	0.01	0.96092
52	ENST00000264350	ENSG00000138646	338	0.40	0.01383
52	ENST00000264498	ENSG00000138685	4677	0.30	0.00122
52	ENST00000264501	ENSG00000138688	3117	-0.23	0.00162
52	ENST00000264657	ENSG00000168610	5105	-0.22	5.48E-06
52	ENST00000264658	ENSG00000108306	1561	-0.57	8.70E-13
52	ENST00000264741	ENSG00000144668	2	-0.83	NA
52	ENST00000264808	ENSG00000138738	233	-0.39	0.02659
52	ENST00000264833	ENSG00000105088	37	0.27	0.57179
52	ENST00000264839	ENSG00000079841	122	-1.30	5.13E-09
52	ENST00000264904	ENSG00000138768	1979	0.01	0.94185
52	ENST00000264917	ENSG00000113231	323	-0.52	0.00055
52	ENST00000264977	ENSG00000073711	201	-0.33	0.16938
52	ENST00000264982	ENSG00000114107	482	0.11	0.48487
52	ENST00000265071	ENSG00000113361	3121	-1.02	1.55E-67
52	ENST00000265081	ENSG00000113318	1390	-0.43	2.07E-07
52	ENST00000265109	ENSG00000039560	6860	-0.23	3.10E-05
52	ENST00000265132	ENSG00000106927	8	0.18	NA
52	ENST00000265164	ENSG00000138794	239	0.24	0.23186
52	ENST00000265239	ENSG00000114473	182	-0.64	0.00086
52	ENST00000265343	ENSG00000072364	6743	0.00	0.97581
52	ENST00000265351	ENSG00000124571	3026	-0.27	3.19E-06
52	ENST00000265381	ENSG00000107282	17	0.61	0.37580
52	ENST00000265529	ENSG00000088727	109	0.05	0.91603
52	ENST00000265586	ENSG00000114770	1269	-0.28	0.00101
52	ENST00000265742	ENSG00000001629	2849	-0.42	2.45E-13
52	ENST00000265755	ENSG00000006704	3251	-0.80	8.14E-41
52	ENST00000265849	ENSG00000122512	883	0.02	0.89664
52	ENST00000265990	ENSG00000095564	2887	-0.09	0.34583
52	ENST00000265997	ENSG00000107864	173	-0.38	0.03651
52	ENST00000266037	ENSG00000088538	39	0.41	0.40885
52	ENST00000266534	ENSG00000139173	182	-1.44	2.23E-15
52	ENST00000266544	ENSG00000139180	306	-0.16	0.35218
52	ENST00000266674	ENSG00000139292	88	-0.69	0.01727
52	ENST00000266984	ENSG00000139537	2	-0.63	NA
52	ENST00000267260	ENSG00000139767	136	-0.69	0.01271
52	ENST00000267811	ENSG00000140262	4219	-0.54	2.90E-23
52	ENST00000267812	ENSG00000140259	1244	0.21	0.09856
52	ENST00000267842	ENSG00000140284	1211	-0.40	2.18E-07
52	ENST00000267843	ENSG00000140285	3	-0.47	NA
52	ENST00000267890	ENSG00000128881	1142	-0.42	1.02E-08
52	ENST00000268070	ENSG00000140470	2	-5.02	NA
52	ENST00000268122	ENSG00000140519	6	-1.09	NA
52	ENST00000268130	ENSG00000140527	4	1.47	NA
52	ENST00000268251	ENSG00000183044	5	-1.04	NA
52	ENST00000268296	ENSG00000140678	26	-1.19	0.06567
52	ENST00000268712	ENSG00000141027	7687	-0.28	2.93E-08

52	ENST00000269051	ENSG00000141314	36	-0.05	0.92994
52	ENST00000269142	ENSG00000141384	428	-0.02	0.89728
52	ENST00000269209	ENSG00000141441	811	-0.16	0.15825
52	ENST00000269445	ENSG00000141627	992	-0.47	4.36E-09
52	ENST00000269701	ENSG00000105127	1223	0.03	0.78026
52	ENST00000269886	ENSG00000141985	3007	-0.17	0.02295
52	ENST00000270001	ENSG00000142065	108	-0.45	0.08162
52	ENST00000270861	ENSG00000142731	933	0.08	0.49278
52	ENST00000272238	ENSG00000143882	4	0.22	NA
52	ENST00000272252	ENSG00000143891	214	-0.12	0.63444
52	ENST00000272322	ENSG00000143952	502	0.01	0.96092
52	ENST00000272369	ENSG00000143995	2061	-0.31	0.00116
52	ENST00000272427	ENSG00000144036	587	-0.57	7.44E-11
52	ENST00000272746	ENSG00000115935	2780	-0.25	0.00022
52	ENST00000272793	ENSG00000144357	1584	-0.09	0.39225
52	ENST00000273375	ENSG00000144840	592	-0.39	0.00012
52	ENST00000273390	ENSG00000183833	2	-3.72	NA
52	ENST00000273668	ENSG00000145088	48	0.01	0.98710
52	ENST00000273853	ENSG00000145241	836	0.13	0.35887
52	ENST00000273859	ENSG00000145246	344	0.15	0.35290
52	ENST00000273920	ENSG00000145293	903	-0.03	0.77142
52	ENST00000273980	ENSG00000145348	523	-0.24	0.10761
52	ENST00000274008	ENSG00000145375	1614	-0.11	0.29391
52	ENST00000274093	ENSG00000145451	4	0.75	NA
52	ENST00000276185	ENSG00000147234	14	0.07	NA
52	ENST00000276204	ENSG00000147251	580	-0.04	0.83940
52	ENST00000276282	ENSG00000147324	1517	-0.31	0.00027
52	ENST00000276440	ENSG00000147459	6886	-0.53	2.22E-24
52	ENST00000276585	ENSG00000147586	33	0.11	0.86590
52	ENST00000278616	ENSG00000149311	3092	-0.41	1.75E-10
52	ENST00000279024	ENSG00000149633	2	-1.22	NA
52	ENST00000280285	ENSG00000150712	3008	0.20	0.00082
52	ENST00000280333	ENSG00000150760	2627	-0.54	3.05E-16
52	ENST00000280481	ENSG00000150893	18	-0.32	0.72007
52	ENST00000280571	ENSG00000150977	212	-0.35	0.09304
52	ENST00000280612	ENSG00000151012	4396	-0.33	3.61E-06
52	ENST00000280871	ENSG00000151229	1887	-0.76	6.82E-23
52	ENST00000281081	ENSG00000151413	258	-0.48	0.01163
52	ENST00000281092	ENSG00000151422	1865	-0.39	6.16E-08
52	ENST00000281631	ENSG00000151883	808	0.03	0.81242
52	ENST00000281708	ENSG00000109670	492	0.12	0.50529
52	ENST00000281772	ENSG00000144445	492	0.03	0.88496
52	ENST00000282041	ENSG00000152223	1867	-0.28	0.00039
52	ENST00000282226	ENSG00000152380	38	-0.52	0.24870
52	ENST00000282268	ENSG00000152422	240	0.02	0.92842
52	ENST00000282356	ENSG00000152495	248	0.09	0.68638
52	ENST00000282466	ENSG00000152580	10460	0.10	0.12197
52	ENST00000282908	ENSG00000152953	563	-0.25	0.02208

52	ENST00000283228	ENSG00000153233	43	-0.08	0.90451
52	ENST00000283365	ENSG00000134769	84	0.10	0.79247
52	ENST00000283875	ENSG00000153767	699	-0.13	0.38211
52	ENST00000283882	ENSG00000153774	327	-0.31	0.02810
52	ENST00000283928	ENSG00000153814	257	-0.50	0.00057
52	ENST00000283943	ENSG00000153827	8282	-0.02	0.80669
52	ENST00000284073	ENSG00000153944	3639	-0.57	5.19E-20
52	ENST00000284629	ENSG00000154438	3	0.88	NA
52	ENST00000285871	ENSG00000135205	15	-2.32	NA
52	ENST00000285928	ENSG00000155530	29	-0.79	0.16478
52	ENST00000285930	ENSG00000085662	3372	-0.02	0.88801
52	ENST00000285968	ENSG00000155561	6657	-0.03	0.67852
52	ENST00000286063	ENSG00000128655	3	-2.49	NA
52	ENST00000286301	ENSG00000182578	3	0.46	NA
52	ENST00000286548	ENSG00000156052	1174	-0.48	9.42E-08
52	ENST00000286574	ENSG00000156076	8	-1.42	NA
52	ENST00000286657	ENSG00000156140	488	-0.01	0.94843
52	ENST00000286744	ENSG00000156218	220	-0.82	5.36E-08
52	ENST00000286827	ENSG00000156299	33	-1.75	0.00122
52	ENST00000287218	ENSG00000156639	955	-0.76	1.63E-17
52	ENST00000287437	ENSG00000156831	366	-0.72	1.93E-06
52	ENST00000287878	ENSG00000106617	130	-0.33	0.17398
52	ENST00000288050	ENSG00000090857	1977	-0.01	0.96089
52	ENST00000288167	ENSG00000056736	109	-0.06	0.88360
52	ENST00000288235	ENSG00000157483	7430	-0.27	2.17E-09
52	ENST00000288642	ENSG00000138101	275	-0.68	2.84E-07
52	ENST00000288670	ENSG00000157827	1075	-0.37	4.39E-08
52	ENST00000288912	ENSG00000158023	105	0.10	0.77820
52	ENST00000289371	ENSG00000158417	2333	0.27	0.00270
52	ENST00000289672	ENSG00000158683	3	-0.46	NA
52	ENST00000290037	ENSG00000148396	14651	-0.02	0.77142
52	ENST00000290200	ENSG00000243646	29	0.29	0.69643
52	ENST00000290354	ENSG00000159231	101	0.19	0.58562
52	ENST00000290607	ENSG00000159433	1154	-0.14	0.27793
52	ENST00000290650	ENSG00000159459	2089	-0.43	4.73E-11
52	ENST00000290795	ENSG00000159592	2466	0.10	0.15937
52	ENST00000290894	ENSG00000138606	57	0.26	0.56224
52	ENST00000290913	ENSG00000159685	209	0.01	0.96489
52	ENST00000291572	ENSG00000160216	2678	-0.02	0.84952
52	ENST00000291900	ENSG00000160445	1894	-0.73	1.51E-26
52	ENST00000292314	ENSG00000160799	649	0.02	0.91487
52	ENST00000292476	ENSG00000160917	1261	-0.21	0.00335
52	ENST00000292852	ENSG00000269190	98	-0.90	9.17E-05
52	ENST00000292894	ENSG00000161277	70	0.17	0.66331
52	ENST00000292928	ENSG00000161298	15	-0.35	NA
52	ENST00000293217	ENSG00000161533	2034	0.03	0.77128
52	ENST00000293328	ENSG00000173757	3528	-0.65	7.50E-51
52	ENST00000293695	ENSG00000161860	24	-0.40	0.57829

52	ENST00000293771	ENSG00000161914	128	-0.27	0.31552
52	ENST00000294053	ENSG00000162129	2419	0.05	0.59903
52	ENST00000294304	ENSG00000162337	8265	-0.25	4.12E-05
52	ENST00000294507	ENSG00000162511	15	-0.23	NA
52	ENST00000294543	ENSG00000162542	613	-0.46	1.01E-05
52	ENST00000294618	ENSG00000130158	896	-0.09	0.45846
52	ENST00000295030	ENSG00000162928	699	-0.01	0.95295
52	ENST00000295065	ENSG00000162959	71	-0.47	0.20140
52	ENST00000295400	ENSG00000163235	31	-0.83	0.18867
52	ENST00000295408	ENSG00000153208	20	0.37	0.64716
52	ENST00000295414	ENSG00000163249	471	-0.05	0.76845
52	ENST00000295522	ENSG00000163347	1727	-0.05	0.69438
52	ENST00000295628	ENSG00000163428	4920	-0.01	0.89440
52	ENST00000295666	ENSG00000163453	14299	-0.18	0.03929
52	ENST00000295754	ENSG00000163513	2283	0.03	0.66741
52	ENST00000295878	ENSG00000163617	55	-0.45	0.30761
52	ENST00000295887	ENSG00000163624	81	0.07	0.88335
52	ENST00000295888	ENSG00000163625	2789	-0.30	2.98E-05
52	ENST00000295962	ENSG00000163686	363	-0.12	0.47750
52	ENST00000295971	ENSG00000163694	832	-0.55	2.91E-11
52	ENST00000296043	ENSG00000138771	2764	0.01	0.91088
52	ENST00000296129	ENSG00000163814	1163	0.16	0.04635
52	ENST00000296149	ENSG00000163832	739	-0.20	0.08329
52	ENST00000296181	ENSG00000082781	7674	-0.16	0.00114
52	ENST00000296220	ENSG00000144909	957	-0.01	0.93783
52	ENST00000296402	ENSG00000145349	955	-0.20	0.02943
52	ENST00000296464	ENSG00000164070	2206	-0.04	0.70931
52	ENST00000296543	ENSG00000164134	2978	0.01	0.93553
52	ENST00000296585	ENSG00000164171	1418	-0.09	0.35938
52	ENST00000296603	ENSG00000164187	2022	-0.28	4.56E-05
52	ENST00000296657	ENSG00000164236	483	0.17	0.20796
52	ENST00000296658	ENSG00000164237	1872	0.04	0.69009
52	ENST00000296684	ENSG00000164258	633	0.13	0.32903
52	ENST00000296721	ENSG00000157510	134	0.22	0.39836
52	ENST00000296955	ENSG00000164465	1275	-0.02	0.88683
52	ENST00000297029	ENSG00000006747	12	-0.30	NA
52	ENST00000297107	ENSG00000164574	3199	-0.82	8.85E-61
52	ENST00000297157	ENSG00000164610	96	0.50	0.06004
52	ENST00000297185	ENSG00000113013	12752	-0.01	0.91716
52	ENST00000297405	ENSG00000164796	3	1.14	NA
52	ENST00000297423	ENSG00000164808	647	-1.19	4.86E-36
52	ENST00000297450	ENSG00000154188	50	0.08	0.88335
52	ENST00000297591	ENSG00000164944	2199	-0.07	0.42461
52	ENST00000297848	ENSG00000187955	180	0.03	0.92816
52	ENST00000297933	ENSG00000165219	6313	-0.07	0.27788
52	ENST00000297979	ENSG00000148120	2025	0.14	0.12124
52	ENST00000298130	ENSG00000165389	1543	-0.24	0.01074
52	ENST00000298705	ENSG00000165807	30	-0.36	0.52349

52	ENST00000298910	ENSG00000188906	90	0.22	0.57655
52	ENST00000298912	ENSG00000165959	62	0.05	0.91967
52	ENST00000299192	ENSG00000155393	667	-0.21	0.04366
52	ENST00000299213	ENSG00000166173	292	0.38	0.00194
52	ENST00000299468	ENSG00000203880	1155	0.07	0.57473
52	ENST00000299767	ENSG00000166598	21842	0.21	0.01301
52	ENST00000299954	ENSG00000154217	3828	-1.03	1.10E-70
52	ENST00000299957	ENSG00000166734	3312	-0.41	3.07E-15
52	ENST00000299980	ENSG00000166747	3425	-0.04	0.65974
52	ENST00000300030	ENSG00000166797	1434	0.02	0.89927
52	ENST00000300069	ENSG00000166831	276	0.18	0.46441
52	ENST00000300441	ENSG00000167107	301	-0.44	0.00211
52	ENST00000300650	ENSG00000167257	483	-0.07	0.68258
52	ENST00000300737	ENSG00000167323	1107	-0.31	0.00015
52	ENST00000300896	ENSG00000170832	2423	-0.14	0.02382
52	ENST00000301180	ENSG00000066084	2727	-0.18	0.00247
52	ENST00000301295	ENSG00000160505	6	-0.62	NA
52	ENST00000301831	ENSG00000168038	362	-0.53	5.96E-05
52	ENST00000301923	ENSG00000100354	4754	-0.14	0.03000
52	ENST00000302277	ENSG00000170396	50	0.14	0.76510
52	ENST00000302326	ENSG00000169184	5471	-0.04	0.74280
52	ENST00000302550	ENSG00000121644	1216	0.02	0.90271
52	ENST00000302640	ENSG00000150995	35424	-1.03	#####
52	ENST00000303052	ENSG00000169118	1033	-0.24	0.00369
52	ENST00000303375	ENSG00000011028	7033	0.03	0.75375
52	ENST00000303383	ENSG00000171241	1799	0.10	0.24904
52	ENST00000303538	ENSG00000121892	5969	-0.47	4.40E-22
52	ENST00000303635	ENSG00000171735	884	-0.29	0.00108
52	ENST00000303714	ENSG00000169604	19673	-0.36	8.25E-22
52	ENST00000303965	ENSG00000047365	485	0.24	0.13912
52	ENST00000304685	ENSG00000143344	166	-0.21	0.38390
52	ENST00000304743	ENSG00000100731	3217	-0.46	2.74E-11
52	ENST00000304858	ENSG00000170606	6240	0.03	0.76598
52	ENST00000304895	ENSG00000169919	2490	0.05	0.51900
52	ENST00000304987	ENSG00000170145	1537	-0.10	0.29192
52	ENST00000305108	ENSG00000171840	265	-0.76	1.58E-05
52	ENST00000305135	ENSG00000163872	2277	-0.50	7.94E-16
52	ENST00000305364	ENSG00000104228	687	0.11	0.46415
52	ENST00000305877	ENSG00000186716	5039	-0.14	0.04905
52	ENST00000305921	ENSG00000170836	828	-0.09	0.46002
52	ENST00000306156	ENSG00000171132	348	-0.59	9.80E-06
52	ENST00000306177	ENSG00000106346	1084	0.18	0.04651
52	ENST00000306270	ENSG00000005700	2110	-0.07	0.53083
52	ENST00000306320	ENSG00000154153	2067	-0.38	1.52E-08
52	ENST00000306378	ENSG00000171634	5499	-0.50	1.85E-20
52	ENST00000306442	ENSG00000168938	1125	0.06	0.60822
52	ENST00000306851	ENSG00000118276	36	-0.64	0.18406
52	ENST00000307017	ENSG00000170185	1388	0.16	0.11134

52	ENST00000307102	ENSG00000169032	2276	-0.11	0.18494
52	ENST00000307138	ENSG00000174373	1775	-0.27	0.00174
52	ENST00000307363	ENSG00000170266	2247	0.00	0.98552
52	ENST00000307546	ENSG00000081026	889	-0.52	1.48E-08
52	ENST00000307602	ENSG00000168172	2016	-0.23	0.00609
52	ENST00000307677	ENSG00000171552	1391	0.13	0.21203
52	ENST00000307712	ENSG00000100934	3180	0.08	0.29899
52	ENST00000307751	ENSG00000171747	4	0.68	NA
52	ENST00000308020	ENSG00000174915	1187	-0.18	0.07586
52	ENST00000308159	ENSG00000102900	2146	-0.08	0.32022
52	ENST00000308177	ENSG00000240184	236	-0.33	0.05640
52	ENST00000308191	ENSG00000171408	1126	-0.66	1.86E-18
52	ENST00000308249	ENSG00000175175	10	-1.94	NA
52	ENST00000308580	ENSG00000138594	10048	0.07	0.30662
52	ENST00000308660	ENSG00000173926	57	0.17	0.67852
52	ENST00000308666	ENSG00000173208	2	0.99	NA
52	ENST00000308768	ENSG00000174943	417	-0.26	0.08328
52	ENST00000309241	ENSG00000155846	805	0.17	0.07429
52	ENST00000309415	ENSG00000172985	11	-1.77	NA
52	ENST00000309424	ENSG00000117877	1094	0.39	9.17E-06
52	ENST00000309502	ENSG00000163485	10	-0.61	NA
52	ENST00000309668	ENSG00000175189	3	0.54	NA
52	ENST00000309755	ENSG00000146021	96	-0.83	0.00525
52	ENST00000309951	ENSG00000122729	2040	-0.07	0.38138
52	ENST00000310018	ENSG00000105929	49	-0.17	0.75164
52	ENST00000310118	ENSG00000175166	9405	0.12	0.06032
52	ENST00000310298	ENSG00000073417	2345	-0.22	0.00031
52	ENST00000310396	ENSG00000106034	140	-0.69	0.00201
52	ENST00000310421	ENSG00000175073	1603	0.10	0.36700
52	ENST00000310513	ENSG00000149187	6788	-0.04	0.57060
52	ENST00000310653	ENSG00000175582	2605	-0.33	1.51E-09
52	ENST00000310715	ENSG00000156042	18	-1.03	0.11539
52	ENST00000310758	ENSG00000155849	7	-0.64	NA
52	ENST00000311117	ENSG00000005483	2906	0.00	0.99606
52	ENST00000311191	ENSG00000136141	508	-0.15	0.27046
52	ENST00000311915	ENSG00000174206	231	-0.33	0.07021
52	ENST00000312547	ENSG00000130724	1476	0.30	0.00573
52	ENST00000313070	ENSG00000081803	39	-0.92	0.04894
52	ENST00000313525	ENSG00000059769	167	0.30	0.30702
52	ENST00000313669	ENSG00000160963	33	-0.59	0.20420
52	ENST00000313698	ENSG00000111271	530	-0.82	3.99E-16
52	ENST00000314700	ENSG00000165118	1040	0.11	0.30865
52	ENST00000314759	ENSG00000165480	594	-0.02	0.90603
52	ENST00000315050	ENSG00000145901	2625	0.13	0.18522
52	ENST00000315273	ENSG00000151693	1821	-0.13	0.05849
52	ENST00000315285	ENSG00000021574	749	0.02	0.90662
52	ENST00000315576	ENSG00000127507	540	0.12	0.39360
52	ENST00000316316	ENSG00000111877	345	-0.33	0.01040

52	ENST00000316423	ENSG00000109814	1490	0.15	0.04240
52	ENST00000316461	ENSG00000162222	728	0.06	0.61908
52	ENST00000316519	ENSG00000081760	1737	-0.01	0.90200
52	ENST00000316615	ENSG00000177885	3290	0.00	0.96819
52	ENST00000317025	ENSG00000147548	2952	-0.07	0.27071
52	ENST00000317058	ENSG00000176476	367	-0.22	0.17933
52	ENST00000317147	ENSG00000125107	11938	-0.02	0.82109
52	ENST00000317173	ENSG00000175806	56	-0.57	0.09924
52	ENST00000317233	ENSG00000144218	36	0.00	0.99454
52	ENST00000317568	ENSG00000126391	1900	-0.18	0.09714
52	ENST00000317829	ENSG00000166025	3652	-0.13	0.00987
52	ENST00000318130	ENSG00000116406	1816	-0.02	0.85952
52	ENST00000318217	ENSG00000176658	29	-0.83	0.21842
52	ENST00000318410	ENSG00000164961	2057	0.00	0.98972
52	ENST00000318430	ENSG00000167895	10	-0.44	NA
52	ENST00000318522	ENSG00000143924	2291	-0.22	0.00401
52	ENST00000318596	ENSG00000181035	190	-0.27	0.22143
52	ENST00000318967	ENSG00000143624	5596	-0.31	7.45E-17
52	ENST00000319023	ENSG00000172890	1330	-0.15	0.04338
52	ENST00000319121	ENSG00000178502	1471	0.17	0.02831
52	ENST00000319394	ENSG00000142784	1676	-0.04	0.73931
52	ENST00000319481	ENSG00000141447	491	-0.08	0.68779
52	ENST00000319540	ENSG00000145284	669	0.01	0.95566
52	ENST00000319555	ENSG00000179588	194	-0.24	0.34010
52	ENST00000319562	ENSG00000152767	8856	-0.26	1.15E-07
52	ENST00000320057	ENSG00000144730	16	-0.16	0.87249
52	ENST00000320129	ENSG00000178187	7	-0.77	NA
52	ENST00000320211	ENSG00000164053	816	0.07	0.50268
52	ENST00000320640	ENSG00000129636	1393	-0.54	1.16E-17
52	ENST00000320672	ENSG00000145687	316	-0.37	0.00558
52	ENST00000320876	ENSG00000101596	4048	-0.26	0.00073
52	ENST00000320934	ENSG00000160613	1804	-0.23	0.00061
52	ENST00000320982	ENSG00000133488	55	-0.18	0.72052
52	ENST00000321196	ENSG00000179104	323	-1.08	6.79E-15
52	ENST00000321556	ENSG00000158828	1223	0.02	0.91903
52	ENST00000321599	ENSG00000176095	2316	0.01	0.93870
52	ENST00000321612	ENSG00000178445	24	-0.84	0.15299
52	ENST00000322122	ENSG00000177238	2	0.97	NA
52	ENST00000322217	ENSG00000176182	198	0.11	0.67138
52	ENST00000322238	ENSG00000108039	1200	0.01	0.95870
52	ENST00000322349	ENSG00000102189	884	0.04	0.80387
52	ENST00000322875	ENSG00000117335	6127	-0.52	2.08E-20
52	ENST00000323116	ENSG00000058063	1517	-0.08	0.52122
52	ENST00000323180	ENSG00000135365	845	-0.03	0.84537
52	ENST00000323468	ENSG00000178202	1388	-0.14	0.10424
52	ENST00000323571	ENSG00000171475	1688	-0.12	0.15713
52	ENST00000323646	ENSG00000176485	389	0.20	0.22974
52	ENST00000323817	ENSG00000155111	439	-0.30	0.01325

52	ENST00000324198	ENSG00000100077	97	-0.03	0.94554
52	ENST00000324631	ENSG00000165995	74	-1.25	3.38E-06
52	ENST00000324765	ENSG00000147202	509	-1.57	9.21E-41
52	ENST00000324774	ENSG00000110931	1512	0.04	0.78869
52	ENST00000324907	ENSG00000134317	75	0.22	0.52877
52	ENST00000325006	ENSG00000158467	613	-0.92	1.62E-17
52	ENST00000325748	ENSG00000180228	780	-0.10	0.43477
52	ENST00000325752	ENSG00000108423	403	-0.20	0.16965
52	ENST00000326085	ENSG00000172771	17	-1.18	0.11718
52	ENST00000326448	ENSG00000068885	372	-0.17	0.31836
52	ENST00000326639	ENSG00000138709	630	-0.13	0.39479
52	ENST00000326735	ENSG00000159363	2719	0.05	0.59692
52	ENST00000327171	ENSG00000156958	1078	-0.04	0.77503
52	ENST00000327423	ENSG00000183530	2610	-0.28	1.67E-05
52	ENST00000327441	ENSG00000151338	387	-0.40	0.01018
52	ENST00000327443	ENSG00000185591	5416	0.04	0.62720
52	ENST00000327680	ENSG00000185480	851	-0.38	0.00029
52	ENST00000328041	ENSG00000185052	10	-1.13	NA
52	ENST00000328194	ENSG00000184014	3626	-0.13	0.06045
52	ENST00000328663	ENSG00000273841	1318	0.10	0.48919
52	ENST00000328697	ENSG00000109881	806	0.30	0.00162
52	ENST00000328771	ENSG00000134815	1281	-0.14	0.18071
52	ENST00000328913	ENSG00000053524	82	-0.72	0.02005
52	ENST00000328914	ENSG00000164916	9772	0.08	0.13657
52	ENST00000329235	ENSG00000182287	724	-0.03	0.89263
52	ENST00000329321	ENSG00000183840	34	0.16	0.80010
52	ENST00000330010	ENSG00000162614	237	-0.27	0.24007
52	ENST00000330137	ENSG00000182628	1729	0.05	0.69099
52	ENST00000330387	ENSG00000182158	6649	0.13	0.00571
52	ENST00000330498	ENSG00000140675	5	-1.09	NA
52	ENST00000330899	ENSG00000086061	8712	0.24	2.27E-05
52	ENST00000330909	ENSG00000151276	646	-1.34	6.11E-26
52	ENST00000331710	ENSG00000183735	738	-0.05	0.77491
52	ENST00000332175	ENSG00000173482	2197	-0.58	8.40E-22
52	ENST00000332272	ENSG00000183196	44	-0.57	0.13733
52	ENST00000332556	ENSG00000185896	11173	-0.19	0.00083
52	ENST00000332826	ENSG00000185101	118	-0.39	0.13377
52	ENST00000333003	ENSG00000120798	565	-0.31	0.01485
52	ENST00000333027	ENSG00000100330	1296	0.00	0.97855
52	ENST00000333942	ENSG00000126858	1051	-0.25	0.00841
52	ENST00000333957	ENSG00000111731	1403	-0.14	0.19877
52	ENST00000334049	ENSG00000141404	516	-0.71	4.80E-11
52	ENST00000334256	ENSG00000186432	3147	0.05	0.64716
52	ENST00000334304	ENSG00000152990	1566	-0.16	0.03831
52	ENST00000334418	ENSG00000186166	639	-0.52	1.66E-07
52	ENST00000334816	ENSG00000186132	70	0.27	0.50838
52	ENST00000335007	ENSG00000186298	3155	0.25	0.00091
52	ENST00000335154	ENSG00000161791	772	-0.11	0.36399

52	ENST00000335185	ENSG00000186714	3	0.92	NA
52	ENST00000335263	ENSG00000140153	462	-0.23	0.08214
52	ENST00000335325	ENSG00000186187	371	-0.30	0.01584
52	ENST00000335574	ENSG00000101294	5601	-0.19	0.00023
52	ENST00000335613	ENSG00000167992	9	0.30	NA
52	ENST00000335693	ENSG00000175600	22	-1.14	0.05389
52	ENST00000335999	ENSG00000167566	1797	-0.04	0.69099
52	ENST00000336078	ENSG00000074657	2754	0.01	0.95800
52	ENST00000336199	ENSG00000117020	27	0.00	0.99454
52	ENST00000336314	ENSG00000155506	20964	-0.02	0.74752
52	ENST00000336498	ENSG00000071205	580	-0.19	0.12681
52	ENST00000336517	ENSG00000188372	277	-0.87	1.42E-09
52	ENST00000336926	ENSG00000127946	1326	-0.75	1.94E-35
52	ENST00000336930	ENSG00000187398	59	-0.98	0.02536
52	ENST00000337109	ENSG00000132313	834	0.22	0.02535
52	ENST00000337195	ENSG00000175029	3070	-0.19	0.00094
52	ENST00000337231	ENSG00000109089	2224	0.18	0.08680
52	ENST00000337273	ENSG00000083312	8069	0.13	0.04034
52	ENST00000337351	ENSG00000007392	1138	-0.18	0.07239
52	ENST00000337432	ENSG00000108384	525	0.02	0.90159
52	ENST00000337537	ENSG00000154001	1736	-0.27	0.00027
52	ENST00000337612	ENSG00000099968	1403	-0.01	0.95825
52	ENST00000337682	ENSG00000139146	2448	0.07	0.40687
52	ENST00000337743	ENSG00000089123	201	-0.16	0.40476
52	ENST00000338144	ENSG00000165675	492	-0.31	0.01835
52	ENST00000338145	ENSG00000109332	3913	0.13	0.01838
52	ENST00000338432	ENSG00000076555	857	-0.22	0.04939
52	ENST00000338458	ENSG00000163947	243	-0.31	0.06644
52	ENST00000338564	ENSG00000134138	654	-0.28	0.01052
52	ENST00000338821	ENSG00000054793	6599	-0.31	1.21E-14
52	ENST00000339082	ENSG00000011422	2743	0.10	0.19631
52	ENST00000339284	ENSG00000178217	2	-0.86	NA
52	ENST00000339362	ENSG00000067141	563	-0.69	1.84E-08
52	ENST00000339364	ENSG00000155629	10	-0.42	NA
52	ENST00000339594	ENSG00000009954	9023	0.10	0.07342
52	ENST00000339746	ENSG00000135299	5	-0.48	NA
52	ENST00000339764	ENSG00000187726	4	-1.23	NA
52	ENST00000339824	ENSG00000171435	16	-1.91	0.00812
52	ENST00000339861	ENSG00000187764	447	-0.16	0.29061
52	ENST00000340473	ENSG00000188342	432	0.00	0.98039
52	ENST00000340553	ENSG00000170802	710	0.03	0.86873
52	ENST00000340736	ENSG00000072071	265	-0.95	5.53E-10
52	ENST00000340940	ENSG00000188883	24	-0.51	0.40554
52	ENST00000341114	ENSG00000104951	23	0.43	0.58422
52	ENST00000341247	ENSG00000050405	656	-0.10	0.53530
52	ENST00000341446	ENSG00000184992	2172	-0.28	4.61E-06
52	ENST00000341502	ENSG00000150527	887	-0.04	0.83025
52	ENST00000341516	ENSG00000139990	1029	0.14	0.14278

52	ENST00000341550	ENSG00000111653	465	-0.30	0.01022
52	ENST00000341594	ENSG00000131018	3571	-0.56	1.91E-19
52	ENST00000341653	ENSG00000125952	1047	0.15	0.20364
52	ENST00000341695	ENSG00000138777	1255	-0.15	0.16344
52	ENST00000341776	ENSG00000008083	1312	-0.18	0.01309
52	ENST00000342228	ENSG00000168575	742	-0.50	5.21E-06
52	ENST00000342287	ENSG00000167081	326	-0.36	0.07335
52	ENST00000342502	ENSG00000166130	1321	0.07	0.42597
52	ENST00000342704	ENSG00000078699	721	-0.81	1.64E-17
52	ENST00000342771	ENSG00000158321	542	-1.26	7.07E-29
52	ENST00000343067	ENSG00000159023	1654	-0.64	2.93E-27
52	ENST00000343526	ENSG00000122779	1674	0.03	0.76260
52	ENST00000343533	ENSG00000165240	1253	0.04	0.69786
52	ENST00000343796	ENSG00000113580	6665	-0.23	1.60E-05
52	ENST00000343958	ENSG00000180263	480	-0.01	0.97367
52	ENST00000344280	ENSG00000165972	3	-0.02	NA
52	ENST00000344293	ENSG00000165632	539	-0.12	0.34258
52	ENST00000344733	ENSG00000159788	521	-0.05	0.77424
52	ENST00000344773	ENSG00000158019	446	-0.49	0.00046
52	ENST00000344922	ENSG00000154305	2093	0.14	0.12252
52	ENST00000345127	ENSG00000139174	52	-1.46	2.53E-07
52	ENST00000345506	ENSG00000126561	874	-0.16	0.12857
52	ENST00000346085	ENSG00000049618	4189	-0.22	0.00028
52	ENST00000346183	ENSG00000072736	1161	-0.39	9.63E-08
52	ENST00000346246	ENSG00000179361	379	-0.04	0.84201
52	ENST00000346991	ENSG00000137812	4083	-0.42	4.41E-10
52	ENST00000348031	ENSG00000185019	176	-0.21	0.34900
52	ENST00000349004	ENSG00000101079	1077	-0.50	1.54E-11
52	ENST00000349213	ENSG00000054267	1280	-0.23	0.00858
52	ENST00000349456	ENSG00000163001	389	0.03	0.89481
52	ENST00000351030	ENSG00000136811	2503	-0.23	0.00019
52	ENST00000351298	ENSG00000075651	1458	-0.24	0.00733
52	ENST00000351677	ENSG00000179295	5925	0.10	0.09566
52	ENST00000351747	ENSG00000174844	3	-0.03	NA
52	ENST00000352178	ENSG00000160200	554	0.11	0.45520
52	ENST00000352480	ENSG00000130707	6301	-0.18	0.00056
52	ENST00000352632	ENSG00000160460	6	-0.12	NA
52	ENST00000352732	ENSG00000140526	3756	-0.10	0.12376
52	ENST00000354181	ENSG00000140199	1524	0.06	0.64593
52	ENST00000354185	ENSG00000165732	6800	0.02	0.87448
52	ENST00000354212	ENSG00000187391	11	-0.31	NA
52	ENST00000354300	ENSG00000196850	1246	0.04	0.77120
52	ENST00000354449	ENSG00000197548	918	-0.67	1.96E-15
52	ENST00000354567	ENSG00000154027	12	-0.92	NA
52	ENST00000354650	ENSG00000010810	1994	-0.29	8.52E-06
52	ENST00000354791	ENSG00000173698	440	-0.01	0.96491
52	ENST00000354883	ENSG00000144741	307	-0.15	0.41477
52	ENST00000354992	ENSG00000133424	2	-5.65	NA

52	ENST00000355044	ENSG00000107518	6	-1.05	NA
52	ENST00000355072	ENSG00000197386	5263	-0.44	1.35E-20
52	ENST00000355086	ENSG00000196935	1768	-0.51	1.42E-13
52	ENST00000355114	ENSG00000196357	90	-0.26	0.43984
52	ENST00000355123	ENSG00000198399	1148	0.01	0.96491
52	ENST00000355196	ENSG00000138674	4832	0.11	0.03506
52	ENST00000355237	ENSG00000197822	47	-0.65	0.09671
52	ENST00000355280	ENSG00000141503	3480	-0.13	0.05348
52	ENST00000355327	ENSG00000187720	1414	-0.78	6.43E-33
52	ENST00000355520	ENSG00000079482	534	-0.53	8.49E-07
52	ENST00000355628	ENSG00000163946	3650	-0.02	0.79585
52	ENST00000355773	ENSG00000119899	387	0.17	0.28214
52	ENST00000355870	ENSG00000196335	17	-0.85	0.18125
52	ENST00000355904	ENSG00000197265	560	0.21	0.08081
52	ENST00000355972	ENSG00000101040	942	-0.10	0.39784
52	ENST00000355999	ENSG00000198648	667	-0.14	0.26480
52	ENST00000356031	ENSG00000152582	330	0.12	0.53304
52	ENST00000356056	ENSG00000066933	2053	-0.33	1.07E-05
52	ENST00000356079	ENSG00000119004	768	-0.58	1.80E-10
52	ENST00000356136	ENSG00000198382	889	-0.30	0.00136
52	ENST00000356218	ENSG00000139926	573	0.55	7.71E-09
52	ENST00000356221	ENSG00000130177	1752	-0.17	0.01304
52	ENST00000356239	ENSG00000127914	3859	-0.29	0.00280
52	ENST00000356244	ENSG00000100401	7321	-0.02	0.87734
52	ENST00000356309	ENSG00000146918	4126	-0.03	0.74283
52	ENST00000356388	ENSG00000198369	1259	0.00	0.97021
52	ENST00000356396	ENSG00000160285	2429	-0.04	0.74374
52	ENST00000356415	ENSG00000116473	1090	0.22	0.03099
52	ENST00000356438	ENSG00000198331	37	-0.33	0.54597
52	ENST00000356443	ENSG00000101605	10	0.34	NA
52	ENST00000356458	ENSG00000214595	84	-0.77	0.01121
52	ENST00000356711	ENSG00000041515	265	-0.70	6.45E-08
52	ENST00000356860	ENSG00000153956	1801	-0.60	1.24E-19
52	ENST00000357033	ENSG00000198947	1923	0.20	0.00696
52	ENST00000357115	ENSG00000198589	3383	-0.95	2.45E-67
52	ENST00000357137	ENSG00000196236	1173	-0.44	3.78E-09
52	ENST00000357162	ENSG00000132549	1904	-0.72	2.09E-23
52	ENST00000357179	ENSG00000100038	844	0.03	0.81622
52	ENST00000357232	ENSG00000197410	3	1.32	NA
52	ENST00000357258	ENSG00000181722	1624	-0.24	0.00446
52	ENST00000357276	ENSG00000138375	801	0.11	0.37974
52	ENST00000357422	ENSG00000183625	3	-1.58	NA
52	ENST00000357447	ENSG00000151474	67	-0.59	0.04748
52	ENST00000357450	ENSG00000077935	25	-0.87	0.12708
52	ENST00000357484	ENSG00000242498	1931	-0.09	0.16649
52	ENST00000357505	ENSG00000244754	1824	-0.29	0.00516
52	ENST00000357533	ENSG00000083067	101	-0.43	0.15538
52	ENST00000357618	ENSG00000010704	469	-0.10	0.48958

52	ENST00000357681	ENSG00000058668	2757	-0.07	0.37716
52	ENST00000357847	ENSG00000146416	480	-0.80	4.23E-15
52	ENST00000357917	ENSG00000072422	1006	-0.29	0.00297
52	ENST00000358075	ENSG00000102158	3026	-0.54	2.23E-22
52	ENST00000358151	ENSG00000173258	457	-0.13	0.48237
52	ENST00000358230	ENSG00000155957	121	0.18	0.54586
52	ENST00000358290	ENSG00000198189	438	-0.04	0.82412
52	ENST00000358410	ENSG00000138346	650	-0.16	0.22618
52	ENST00000358438	ENSG00000228049	75	-1.40	5.65E-05
52	ENST00000358537	ENSG00000136068	27232	0.30	2.89E-15
52	ENST00000358657	ENSG00000050438	6	-1.39	NA
52	ENST00000358677	ENSG00000196141	1714	-0.09	0.24921
52	ENST00000358716	ENSG00000198604	1875	-0.04	0.74247
52	ENST00000358738	ENSG00000126804	1395	-0.20	0.02619
52	ENST00000358912	ENSG00000197329	170	0.10	0.69686
52	ENST00000358935	ENSG00000198060	892	0.05	0.75287
52	ENST00000359003	ENSG00000198646	2109	-0.12	0.08097
52	ENST00000359106	ENSG00000006283	92	-0.33	0.41093
52	ENST00000359139	ENSG00000100239	2420	-0.60	7.04E-24
52	ENST00000359154	ENSG00000198373	1195	-0.44	3.91E-09
52	ENST00000359171	ENSG00000110713	6883	-0.07	0.15308
52	ENST00000359232	ENSG00000197119	753	-0.39	0.00012
52	ENST00000359263	ENSG00000138119	8188	-0.17	0.00011
52	ENST00000359276	ENSG00000047230	945	-0.25	0.00447
52	ENST00000359321	ENSG00000196584	691	0.01	0.96895
52	ENST00000359500	ENSG00000184058	112	-0.41	0.24222
52	ENST00000359570	ENSG00000168918	3	0.85	NA
52	ENST00000359596	ENSG00000196218	21	-0.85	0.15558
52	ENST00000359653	ENSG00000019995	998	0.01	0.92264
52	ENST00000359726	ENSG00000142192	15640	-0.05	0.36758
52	ENST00000359827	ENSG00000221866	2	-1.43	NA
52	ENST00000359872	ENSG00000108684	3	0.96	NA
52	ENST00000359942	ENSG00000197429	428	-0.27	0.02896
52	ENST00000360013	ENSG00000160145	79	-0.49	0.18733
52	ENST00000360184	ENSG00000197102	25215	-0.03	0.65600
52	ENST00000360280	ENSG00000197969	4279	-0.24	0.00671
52	ENST00000360315	ENSG00000167491	4571	-0.08	0.22713
52	ENST00000360338	ENSG00000197714	2965	0.20	0.00131
52	ENST00000360359	ENSG00000064999	1232	-0.03	0.76193
52	ENST00000360375	ENSG00000133739	240	-0.39	0.07437
52	ENST00000360415	ENSG00000241258	654	-0.11	0.36700
52	ENST00000360541	ENSG00000120705	7329	0.05	0.55441
52	ENST00000360586	ENSG00000198554	1503	-0.18	0.04594
52	ENST00000360631	ENSG00000133083	320	0.17	0.26454
52	ENST00000360655	ENSG00000166833	9152	-0.09	0.15184
52	ENST00000360768	ENSG00000196715	2181	-0.65	3.98E-26
52	ENST00000360772	ENSG00000065534	166	-1.17	1.54E-07
52	ENST00000361069	ENSG00000050555	222	-1.08	1.10E-13

52	ENST00000361132	ENSG00000146090	3	0.24	NA
52	ENST00000361188	ENSG00000198901	76	-0.25	0.49802
52	ENST00000361221	ENSG00000074964	1253	0.04	0.79305
52	ENST00000361264	ENSG00000198876	3089	-0.03	0.76594
52	ENST00000361462	ENSG00000198718	780	-0.11	0.33849
52	ENST00000361582	ENSG00000198919	379	-0.10	0.57179
52	ENST00000361654	ENSG00000130779	3569	-0.22	0.00184
52	ENST00000361658	ENSG00000083290	399	-0.21	0.10709
52	ENST00000361680	ENSG00000166359	5	0.30	NA
52	ENST00000361732	ENSG00000152942	832	-0.11	0.39905
52	ENST00000361733	ENSG00000198909	1030	-0.14	0.12163
52	ENST00000361906	ENSG00000198792	2950	0.14	0.13782
52	ENST00000362026	ENSG00000164038	414	0.11	0.51511
52	ENST00000362031	ENSG00000129515	1229	-0.26	0.00639
52	ENST00000362057	ENSG00000095397	2353	-0.50	1.43E-12
52	ENST00000366513	ENSG00000162852	855	-0.33	0.00038
52	ENST00000366574	ENSG00000198626	94	0.39	0.20941
52	ENST00000366624	ENSG00000143674	716	-0.29	0.00704
52	ENST00000366794	ENSG00000143799	7902	0.12	0.01989
52	ENST00000366917	ENSG00000116141	409	-0.43	0.00181
52	ENST00000366960	ENSG00000136643	660	-0.32	0.00146
52	ENST00000367134	ENSG00000174502	10	-0.14	NA
52	ENST00000367142	ENSG00000069275	13906	0.02	0.85617
52	ENST00000367157	ENSG00000163545	196	0.17	0.47779
52	ENST00000367162	ENSG00000133059	1105	-0.34	3.01E-05
52	ENST00000367187	ENSG00000133056	3376	-0.22	0.00017
52	ENST00000367204	ENSG00000143842	748	0.21	0.04821
52	ENST00000367261	ENSG00000117153	816	-0.02	0.89308
52	ENST00000367262	ENSG00000183155	316	-0.08	0.66858
52	ENST00000367311	ENSG00000174307	864	0.24	0.05394
52	ENST00000367321	ENSG00000120254	3279	-0.85	1.76E-49
52	ENST00000367342	ENSG00000163362	352	-0.05	0.84386
52	ENST00000367362	ENSG00000116833	4	0.28	NA
52	ENST00000367384	ENSG00000120265	1571	-0.11	0.18403
52	ENST00000367463	ENSG00000111962	436	-0.67	1.68E-10
52	ENST00000367467	ENSG00000111961	2025	-0.32	3.32E-09
52	ENST00000367545	ENSG00000152818	2535	-0.43	3.06E-13
52	ENST00000367584	ENSG00000112419	2732	-0.43	3.37E-12
52	ENST00000367590	ENSG00000143324	1453	-0.28	0.00072
52	ENST00000367607	ENSG00000135837	3742	-0.22	0.00197
52	ENST00000367649	ENSG00000075391	1174	-0.48	5.78E-10
52	ENST00000367696	ENSG00000135870	2483	-0.04	0.69245
52	ENST00000367800	ENSG00000135541	1495	-0.35	0.00012
52	ENST00000367858	ENSG00000118515	17727	0.00	0.96675
52	ENST00000367928	ENSG00000112299	3	-2.01	NA
52	ENST00000367975	ENSG00000143252	2565	-0.03	0.74511
52	ENST00000368218	ENSG00000143303	775	-0.12	0.33199
52	ENST00000368324	ENSG00000132718	179	0.52	0.00387

52	ENST00000368488	ENSG00000111860	213	0.06	0.85001
52	ENST00000368525	ENSG00000163263	4	-0.83	NA
52	ENST00000368559	ENSG00000143552	10	-1.02	NA
52	ENST00000368655	ENSG00000143614	3458	-0.16	0.00303
52	ENST00000368679	ENSG00000148848	4809	-0.16	0.00064
52	ENST00000368851	ENSG00000112394	7	-2.94	NA
52	ENST00000368865	ENSG00000154473	6080	0.06	0.43372
52	ENST00000368918	ENSG00000143458	544	-1.16	9.36E-20
52	ENST00000368972	ENSG00000118690	58	0.19	0.66477
52	ENST00000369005	ENSG00000138162	1143	0.14	0.16490
52	ENST00000369037	ENSG00000164494	434	-0.86	4.03E-18
52	ENST00000369046	ENSG00000130348	509	-0.20	0.08883
52	ENST00000369085	ENSG00000151929	1187	0.34	1.31E-05
52	ENST00000369287	ENSG00000165813	619	-0.25	0.06067
52	ENST00000369452	ENSG00000108061	1602	0.05	0.63368
52	ENST00000369541	ENSG00000116752	794	0.12	0.37228
52	ENST00000369620	ENSG00000160211	6838	-0.13	0.07728
52	ENST00000369747	ENSG00000118420	160	-0.27	0.23066
52	ENST00000369774	ENSG00000107957	4014	0.06	0.45643
52	ENST00000369797	ENSG00000148843	3664	0.09	0.21308
52	ENST00000369846	ENSG00000135338	136	-0.06	0.86376
52	ENST00000369902	ENSG00000107882	544	-0.36	0.00013
52	ENST00000369983	ENSG00000107862	4028	-0.30	1.79E-10
52	ENST00000370008	ENSG00000116266	903	0.05	0.76519
52	ENST00000370033	ENSG00000120029	622	-0.50	5.64E-08
52	ENST00000370067	ENSG00000162631	33	0.43	0.39073
52	ENST00000370128	ENSG00000137996	694	-0.04	0.74466
52	ENST00000370132	ENSG00000137992	1412	-0.10	0.38330
52	ENST00000370331	ENSG00000067208	1189	-0.39	7.29E-06
52	ENST00000370500	ENSG00000137947	419	0.36	0.00178
52	ENST00000370550	ENSG00000153936	930	-0.56	3.59E-06
52	ENST00000370557	ENSG00000101974	1416	-0.09	0.40652
52	ENST00000370596	ENSG00000162643	8	0.62	NA
52	ENST00000370597	ENSG00000095713	29	-0.34	0.57906
52	ENST00000370664	ENSG00000165886	169	0.20	0.39413
52	ENST00000370689	ENSG00000142875	1364	-0.22	0.02381
52	ENST00000370728	ENSG00000117114	603	-0.10	0.50765
52	ENST00000370746	ENSG00000151917	69	0.17	0.69864
52	ENST00000370794	ENSG00000077254	2634	0.02	0.86548
52	ENST00000370818	ENSG00000147257	3	0.54	NA
52	ENST00000370828	ENSG00000076716	210	-0.57	0.00014
52	ENST00000370952	ENSG00000066557	918	0.15	0.17730
52	ENST00000371079	ENSG00000185483	209	-0.51	0.00559
52	ENST00000371175	ENSG00000112077	3	-0.06	NA
52	ENST00000371220	ENSG00000153294	19	0.47	0.47334
52	ENST00000371276	ENSG00000006555	8	-0.03	NA
52	ENST00000371281	ENSG00000243725	28	0.13	0.89006
52	ENST00000371316	ENSG00000162390	282	-0.40	0.00625

52	ENST00000371380	ENSG00000138193	302	-0.38	0.03087
52	ENST00000371429	ENSG00000058804	3961	-0.14	0.06232
52	ENST00000371518	ENSG00000020256	1712	0.04	0.69743
52	ENST00000371532	ENSG00000203995	877	-0.48	3.71E-07
52	ENST00000371571	ENSG00000026559	935	-0.54	3.26E-08
52	ENST00000371582	ENSG00000000419	732	0.14	0.34770
52	ENST00000371621	ENSG00000196396	2749	0.04	0.64786
52	ENST00000371626	ENSG00000117862	72	0.08	0.86070
52	ENST00000371652	ENSG00000240849	1175	0.13	0.18031
52	ENST00000371696	ENSG00000169692	1235	0.30	0.00573
52	ENST00000371714	ENSG00000117859	3536	0.04	0.62948
52	ENST00000371733	ENSG00000085832	1558	-0.23	0.01535
52	ENST00000371822	ENSG00000131725	1327	-0.49	1.03E-11
52	ENST00000371839	ENSG00000186094	7	-1.09	NA
52	ENST00000371957	ENSG00000198870	13	-0.66	NA
52	ENST00000371992	ENSG00000085998	2333	0.07	0.47660
52	ENST00000372070	ENSG00000117448	2214	0.16	0.06009
52	ENST00000372088	ENSG00000107771	849	-0.06	0.66260
52	ENST00000372195	ENSG00000107263	7490	-0.09	0.05885
52	ENST00000372215	ENSG00000130717	1228	0.06	0.54627
52	ENST00000372236	ENSG00000170734	1019	-0.13	0.22723
52	ENST00000372271	ENSG00000126882	47	0.81	0.01182
52	ENST00000372336	ENSG00000165424	960	-0.22	0.01758
52	ENST00000372371	ENSG00000148606	2095	0.01	0.94667
52	ENST00000372486	ENSG00000148335	1710	0.11	0.27404
52	ENST00000372577	ENSG00000095319	9356	-0.09	0.08104
52	ENST00000372583	ENSG00000127124	855	0.11	0.35628
52	ENST00000372600	ENSG00000136802	4641	0.15	0.01766
52	ENST00000372868	ENSG00000064205	8031	-0.30	4.92E-05
52	ENST00000372887	ENSG00000168734	180	-0.18	0.47646
52	ENST00000372890	ENSG00000167112	2907	-0.02	0.84596
52	ENST00000372979	ENSG00000122882	998	-0.15	0.10027
52	ENST00000372982	ENSG00000137413	829	-0.07	0.53640
52	ENST00000372990	ENSG00000158315	32	-0.03	0.96819
52	ENST00000373023	ENSG00000204084	1222	-0.11	0.27985
52	ENST00000373053	ENSG00000156026	910	-0.43	2.98E-07
52	ENST00000373075	ENSG00000163875	889	0.00	0.97101
52	ENST00000373207	ENSG00000138316	12	-2.26	NA
52	ENST00000373210	ENSG00000134698	526	-0.42	0.00010
52	ENST00000373232	ENSG00000180817	2473	-0.06	0.46204
52	ENST00000373255	ENSG00000099284	16	-1.59	0.02105
52	ENST00000373325	ENSG00000101452	770	0.03	0.83052
52	ENST00000373451	ENSG00000137200	1416	-0.10	0.25556
52	ENST00000373477	ENSG00000134684	5448	0.05	0.51987
52	ENST00000373491	ENSG00000065491	412	-0.24	0.04664
52	ENST00000373493	ENSG00000162521	8497	-0.14	0.05047
52	ENST00000373548	ENSG00000116478	2743	0.07	0.35421
52	ENST00000373589	ENSG00000147099	644	-0.86	4.79E-05

52	ENST00000373603	ENSG00000119408	1704	-0.14	0.13387
52	ENST00000373624	ENSG00000119522	1828	-0.60	3.87E-22
52	ENST00000373625	ENSG00000025800	4735	-0.09	0.20419
52	ENST00000373652	ENSG00000153832	62	-0.80	0.00735
52	ENST00000373664	ENSG00000080839	1635	-0.42	8.48E-10
52	ENST00000373734	ENSG00000149636	1442	-0.11	0.24600
52	ENST00000373736	ENSG00000084628	17	-1.13	0.18374
52	ENST00000373747	ENSG00000134644	4982	-0.01	0.94202
52	ENST00000373775	ENSG00000147133	2802	-0.03	0.80884
52	ENST00000373823	ENSG00000148180	3412	0.17	0.02167
52	ENST00000373824	ENSG00000120656	474	-0.22	0.08584
52	ENST00000373825	ENSG00000096063	2929	-0.24	5.83E-05
52	ENST00000373827	ENSG00000151150	247	-0.41	0.00790
52	ENST00000373830	ENSG00000180098	524	0.04	0.83070
52	ENST00000373839	ENSG00000204138	1740	-0.60	1.39E-12
52	ENST00000373855	ENSG00000119397	1142	0.17	0.25554
52	ENST00000373874	ENSG00000118707	783	-0.05	0.73655
52	ENST00000373930	ENSG00000106780	2978	-0.15	0.01037
52	ENST00000373943	ENSG00000117758	459	-0.08	0.62982
52	ENST00000373973	ENSG00000149646	45	0.26	0.61057
52	ENST00000374012	ENSG00000025293	2857	-0.42	8.43E-14
52	ENST00000374026	ENSG00000196821	2061	-0.09	0.34010
52	ENST00000374050	ENSG00000136888	1238	0.01	0.93452
52	ENST00000374177	ENSG00000124493	2	0.98	NA
52	ENST00000374270	ENSG00000106868	535	-0.24	0.05849
52	ENST00000374282	ENSG00000158006	348	-0.09	0.65495
52	ENST00000374358	ENSG00000183726	2014	0.14	0.05415
52	ENST00000374372	ENSG00000125965	3	-1.16	NA
52	ENST00000374399	ENSG00000001461	1333	-0.46	2.74E-11
52	ENST00000374403	ENSG00000090889	2831	-0.30	3.33E-06
52	ENST00000374487	ENSG00000117305	615	-0.28	0.01310
52	ENST00000374492	ENSG00000088298	787	-0.11	0.38817
52	ENST00000374566	ENSG00000095203	318	-0.21	0.27371
52	ENST00000374767	ENSG00000136783	329	-0.06	0.72667
52	ENST00000374900	ENSG00000165591	144	-0.07	0.82730
52	ENST00000374935	ENSG00000075151	4692	-0.86	8.71E-43
52	ENST00000375077	ENSG00000106789	1442	-0.19	0.01769
52	ENST00000375180	ENSG00000184083	550	-0.79	5.21E-16
52	ENST00000375190	ENSG00000006638	1044	-0.27	0.01724
52	ENST00000375245	ENSG00000165322	1114	-0.26	0.01023
52	ENST00000375300	ENSG00000160584	1342	-0.39	1.79E-08
52	ENST00000375344	ENSG00000148110	3029	-0.08	0.39330
52	ENST00000375471	ENSG00000142623	56	-0.77	0.06990
52	ENST00000375486	ENSG00000117115	14	-1.15	NA
52	ENST00000375587	ENSG00000188312	376	-1.74	1.45E-41
52	ENST00000375592	ENSG00000037637	986	-0.19	0.12103
52	ENST00000375715	ENSG00000169071	2097	-0.50	6.80E-14
52	ENST00000375765	ENSG00000165023	2	-0.36	NA

52	ENST00000376091	ENSG00000171365	612	0.05	0.76726
52	ENST00000376104	ENSG00000150672	167	-0.51	0.00874
52	ENST00000376207	ENSG00000049768	3	-1.35	NA
52	ENST00000376215	ENSG00000148459	335	-0.19	0.28652
52	ENST00000376236	ENSG00000077420	119	-0.43	0.11132
52	ENST00000376279	ENSG00000175198	528	-0.52	0.00011
52	ENST00000376438	ENSG00000172159	124	-0.86	2.22E-05
52	ENST00000376462	ENSG00000120549	1981	-0.41	3.10E-09
52	ENST00000376485	ENSG00000137343	167	-0.07	0.80723
52	ENST00000376499	ENSG00000196781	929	0.07	0.55193
52	ENST00000376542	ENSG00000100997	1016	-0.31	0.00050
52	ENST00000376705	ENSG00000185352	18	-1.82	0.00549
52	ENST00000376718	ENSG00000106772	212	-1.50	1.73E-23
52	ENST00000376747	ENSG00000102595	1687	-0.69	1.59E-18
52	ENST00000376759	ENSG00000102317	5780	-0.03	0.74752
52	ENST00000376950	ENSG00000197779	525	0.12	0.44087
52	ENST00000377067	ENSG00000179399	841	-1.13	7.01E-27
52	ENST00000377071	ENSG00000089094	1411	-0.13	0.12953
52	ENST00000377086	ENSG00000054523	5152	0.06	0.30268
52	ENST00000377223	ENSG00000162441	966	-0.17	0.10071
52	ENST00000377252	ENSG00000120594	2758	-0.24	0.00080
52	ENST00000377298	ENSG00000171603	11940	-0.08	0.30577
52	ENST00000377346	ENSG00000171608	111	0.57	0.01611
52	ENST00000377560	ENSG00000173064	3156	-0.56	1.47E-20
52	ENST00000377627	ENSG00000041988	371	0.11	0.51175
52	ENST00000377833	ENSG00000107611	32	-0.04	0.95725
52	ENST00000377990	ENSG00000011523	393	-0.08	0.62158
52	ENST00000378060	ENSG00000136100	1019	0.04	0.77471
52	ENST00000378079	ENSG00000204952	3	-1.02	NA
52	ENST00000378097	ENSG00000069424	1618	-0.38	2.06E-07
52	ENST00000378195	ENSG00000123178	154	0.19	0.51577
52	ENST00000378204	ENSG00000182197	1735	-0.81	9.36E-41
52	ENST00000378308	ENSG00000124486	11163	-0.20	6.50E-05
52	ENST00000378460	ENSG00000030066	9013	-0.25	0.00011
52	ENST00000378473	ENSG00000101333	345	-0.24	0.12316
52	ENST00000378618	ENSG00000149179	1508	-0.99	2.99E-35
52	ENST00000378653	ENSG00000165164	25	-0.74	0.22592
52	ENST00000378814	ENSG00000137177	3883	-0.83	1.45E-75
52	ENST00000378839	ENSG00000151468	282	-0.26	0.16344
52	ENST00000378933	ENSG00000157625	1830	-0.15	0.03384
52	ENST00000379145	ENSG00000102230	33	-0.31	0.54988
52	ENST00000379174	ENSG00000186638	1453	-0.39	7.12E-07
52	ENST00000379287	ENSG00000145990	547	-0.49	9.40E-06
52	ENST00000379406	ENSG00000172766	547	-0.15	0.32773
52	ENST00000379480	ENSG00000120662	259	-0.30	0.10095
52	ENST00000379484	ENSG00000012174	1663	-0.17	0.04458
52	ENST00000379509	ENSG00000172954	1683	-0.01	0.94202
52	ENST00000379516	ENSG00000205302	1353	0.12	0.22822

52	ENST00000379519	ENSG00000119801	337	-0.05	0.82542
52	ENST00000379535	ENSG00000185787	7576	0.22	9.75E-05
52	ENST00000379540	ENSG00000086102	3995	-0.14	0.00356
52	ENST00000379643	ENSG00000184368	544	0.34	0.00324
52	ENST00000379757	ENSG00000239264	79	-0.08	0.87528
52	ENST00000379826	ENSG00000120693	552	-0.69	5.09E-13
52	ENST00000379834	ENSG00000124784	559	0.24	0.09928
52	ENST00000379883	ENSG00000107201	197	0.04	0.91472
52	ENST00000379992	ENSG00000174482	10	-2.08	NA
52	ENST00000379996	ENSG00000008086	1466	-0.11	0.20904
52	ENST00000380060	ENSG00000188158	1091	-0.60	1.88E-12
52	ENST00000380118	ENSG00000198721	897	-0.01	0.95186
52	ENST00000380345	ENSG00000145685	657	0.29	0.00061
52	ENST00000380482	ENSG00000102802	8	-1.93	NA
52	ENST00000380672	ENSG00000173068	640	-0.54	1.48E-08
52	ENST00000380787	ENSG00000101871	1607	-0.20	0.02158
52	ENST00000380815	ENSG00000112699	575	-1.19	1.40E-32
52	ENST00000380822	ENSG00000085231	184	0.02	0.95574
52	ENST00000380934	ENSG00000147862	3044	0.40	1.10E-10
52	ENST00000380958	ENSG00000152520	805	-0.30	0.00748
52	ENST00000381095	ENSG00000146938	14	-1.92	NA
52	ENST00000381295	ENSG00000090989	943	-0.09	0.43728
52	ENST00000381298	ENSG00000134352	7515	0.39	3.04E-10
52	ENST00000381414	ENSG00000103534	31	-0.26	0.66723
52	ENST00000381470	ENSG00000158856	257	0.19	0.39402
52	ENST00000381655	ENSG00000132932	5	-0.66	NA
52	ENST00000381677	ENSG00000132357	296	0.28	0.14970
52	ENST00000381782	ENSG00000179299	20	-0.71	0.32653
52	ENST00000381848	ENSG00000214456	4	-0.87	NA
52	ENST00000381852	ENSG00000212127	73	-0.82	0.02519
52	ENST00000381938	ENSG00000121895	109	-0.06	0.88842
52	ENST00000382199	ENSG00000073792	268	-1.31	1.94E-17
52	ENST00000382254	ENSG00000154162	31	-1.15	0.00242
52	ENST00000382303	ENSG00000107104	1172	-0.49	5.43E-09
52	ENST00000382374	ENSG00000165487	375	-0.12	0.50770
52	ENST00000382564	ENSG00000205981	356	0.20	0.16137
52	ENST00000382592	ENSG00000150457	1592	0.08	0.37376
52	ENST00000382751	ENSG00000142207	9269	-0.32	1.20E-11
52	ENST00000383408	ENSG00000154864	5973	-0.22	1.21E-05
52	ENST00000383716	ENSG00000168297	278	-0.20	0.18695
52	ENST00000383772	ENSG00000077092	4	-0.22	NA
52	ENST00000383807	ENSG00000144554	3162	-0.13	0.03834
52	ENST00000383836	ENSG00000196220	61	-0.39	0.24245
52	ENST00000389082	ENSG00000170456	3912	-0.79	8.26E-48
52	ENST00000389286	ENSG00000166450	325	-0.62	4.88E-06
52	ENST00000389297	ENSG00000105792	133	-0.43	0.09454
52	ENST00000389386	ENSG00000075399	193	-0.10	0.68397
52	ENST00000389394	ENSG00000115423	4	-0.14	NA

52	ENST00000389484	ENSG00000168702	177	-1.37	9.60E-14
52	ENST00000389629	ENSG00000137815	2583	-0.03	0.74283
52	ENST00000389641	ENSG00000176155	1905	-0.99	1.19E-31
52	ENST00000389658	ENSG00000101680	8173	-0.36	3.83E-23
52	ENST00000389672	ENSG00000080224	44	0.01	0.98947
52	ENST00000389915	ENSG00000152102	4029	0.08	0.39718
52	ENST00000389934	ENSG00000121101	11	0.01	NA
52	ENST00000389960	ENSG00000137501	39	-0.78	0.12197
52	ENST00000391973	ENSG00000168385	8835	0.01	0.94016
52	ENST00000392138	ENSG00000189144	159	-0.17	0.52685
52	ENST00000392238	ENSG00000138439	811	-0.03	0.87073
52	ENST00000392403	ENSG00000116539	4968	-0.52	3.57E-17
52	ENST00000392464	ENSG00000170633	765	-0.04	0.81489
52	ENST00000392476	ENSG00000129657	2203	-0.15	0.02147
52	ENST00000392521	ENSG00000122966	3170	-0.07	0.37297
52	ENST00000392650	ENSG00000069188	5	0.85	NA
52	ENST00000392717	ENSG00000082438	413	-0.10	0.58815
52	ENST00000392766	ENSG00000169064	3	0.89	NA
52	ENST00000392837	ENSG00000111785	546	-0.02	0.93272
52	ENST00000392872	ENSG00000139372	1233	0.14	0.17366
52	ENST00000392901	ENSG00000187164	1732	0.05	0.71781
52	ENST00000393077	ENSG00000151532	702	-1.07	3.08E-32
52	ENST00000393094	ENSG00000166266	843	-0.25	0.00587
52	ENST00000393232	ENSG00000106459	608	-0.14	0.29865
52	ENST00000393305	ENSG00000172780	13	-0.22	NA
52	ENST00000393335	ENSG00000166451	1070	0.08	0.47473
52	ENST00000393359	ENSG00000135966	1502	0.15	0.09318
52	ENST00000393441	ENSG00000166167	814	-0.35	7.28E-05
52	ENST00000393446	ENSG00000004866	869	-0.13	0.29543
52	ENST00000393487	ENSG00000071073	70	-0.47	0.08992
52	ENST00000393547	ENSG00000161692	827	-0.48	3.97E-07
52	ENST00000393567	ENSG00000157423	5	-0.03	NA
52	ENST00000393630	ENSG00000061987	1977	-0.33	0.00057
52	ENST00000393651	ENSG00000135250	1086	-0.54	9.01E-15
52	ENST00000393758	ENSG00000067840	97	-0.09	0.83851
52	ENST00000394063	ENSG00000119487	3747	-0.36	9.41E-13
52	ENST00000394140	ENSG00000114021	1119	-0.11	0.36964
52	ENST00000394253	ENSG00000164663	436	-0.23	0.09901
52	ENST00000394420	ENSG00000159579	996	0.01	0.93483
52	ENST00000394576	ENSG00000081853	9	-0.12	NA
52	ENST00000394684	ENSG00000164023	1041	0.32	0.00064
52	ENST00000394817	ENSG00000120725	972	-0.92	1.04E-24
52	ENST00000394854	ENSG00000138814	2418	0.08	0.29748
52	ENST00000394886	ENSG00000094880	1223	0.07	0.50581
52	ENST00000395003	ENSG00000043143	3190	-0.01	0.94907
52	ENST00000395010	ENSG00000172731	312	0.02	0.92287
52	ENST00000395198	ENSG00000148634	2284	-0.32	0.00027
52	ENST00000395395	ENSG00000175787	156	0.04	0.90178

52	ENST00000395443	ENSG00000198218	2096	0.02	0.89465
52	ENST00000395471	ENSG00000146733	816	-0.06	0.67716
52	ENST00000395477	ENSG00000165238	471	0.01	0.97236
52	ENST00000395511	ENSG00000109016	589	-0.42	7.80E-05
52	ENST00000395601	ENSG00000172164	299	-0.25	0.08391
52	ENST00000395734	ENSG00000047849	8816	-0.70	2.95E-56
52	ENST00000395891	ENSG00000002746	64	-0.75	0.01121
52	ENST00000395965	ENSG00000113391	999	-0.30	0.00047
52	ENST00000396137	ENSG00000152409	2078	-0.02	0.84370
52	ENST00000396153	ENSG00000185104	2131	-1.12	2.77E-82
52	ENST00000396212	ENSG00000103540	1497	-0.04	0.74122
52	ENST00000396253	ENSG00000110756	1100	-0.15	0.16631
52	ENST00000396299	ENSG00000146592	475	-0.49	0.00010
52	ENST00000396355	ENSG00000072864	2036	-0.05	0.53441
52	ENST00000396385	ENSG00000156968	1007	-0.35	0.00054
52	ENST00000396444	ENSG00000138592	2910	-0.07	0.38531
52	ENST00000396496	ENSG00000183323	666	-0.57	1.03E-09
52	ENST00000396556	ENSG00000144645	2147	-0.45	4.38E-15
52	ENST00000396604	ENSG00000166478	554	-0.06	0.69434
52	ENST00000396613	ENSG00000122694	302	-0.09	0.62954
52	ENST00000396679	ENSG00000123219	1011	-0.13	0.33556
52	ENST00000396703	ENSG00000182247	395	-0.59	1.94E-06
52	ENST00000396741	ENSG00000008256	1219	0.20	0.01449
52	ENST00000396865	ENSG00000177058	663	-0.46	6.73E-05
52	ENST00000396987	ENSG00000158669	2942	0.08	0.23025
52	ENST00000397053	ENSG00000151461	1207	-0.07	0.58207
52	ENST00000397081	ENSG00000091428	40	0.20	0.70148
52	ENST00000397166	ENSG00000085788	1137	-0.12	0.24157
52	ENST00000397176	ENSG00000065675	4	0.80	NA
52	ENST00000397457	ENSG00000188428	222	0.02	0.95706
52	ENST00000397558	ENSG00000135127	141	-0.58	0.00433
52	ENST00000397601	ENSG00000139793	1423	0.28	0.00088
52	ENST00000397640	ENSG00000257949	5	0.45	NA
52	ENST00000397712	ENSG00000186522	1681	-0.20	0.01695
52	ENST00000397762	ENSG00000129472	351	0.32	0.01407
52	ENST00000397786	ENSG00000108510	5041	-0.43	5.14E-14
52	ENST00000397809	ENSG00000173588	589	-0.05	0.84962
52	ENST00000397821	ENSG00000147010	838	0.05	0.73422
52	ENST00000397899	ENSG00000196872	97	0.17	0.65934
52	ENST00000397906	ENSG00000100154	1701	-1.54	#####
52	ENST00000397977	ENSG00000104613	2812	-0.13	0.04985
52	ENST00000398117	ENSG00000171791	336	-0.16	0.23700
52	ENST00000398145	ENSG00000100099	897	-0.22	0.01706
52	ENST00000398417	ENSG00000141646	2049	-0.17	0.03222
52	ENST00000398457	ENSG00000160179	2185	0.13	0.02959
52	ENST00000398571	ENSG00000115464	5332	-0.44	2.26E-14
52	ENST00000398587	ENSG00000253873	28	-0.79	0.13486
52	ENST00000398594	ENSG00000254122	35	-0.37	0.55019

52	ENST00000398604	ENSG00000253767	18	0.15	0.86585
52	ENST00000398610	ENSG00000253846	88	0.05	0.90525
52	ENST00000398761	ENSG00000107745	1188	-0.68	9.88E-23
52	ENST00000398803	ENSG00000119471	2527	-0.13	0.10011
52	ENST00000398814	ENSG00000140481	11	-0.37	NA
52	ENST00000398868	ENSG00000184743	6032	0.20	0.00011
52	ENST00000398958	ENSG00000180198	3509	0.03	0.71781
52	ENST00000399002	ENSG00000172296	121	-0.16	0.58474
52	ENST00000399034	ENSG00000122545	3521	0.19	0.01663
52	ENST00000399151	ENSG00000142197	168	-0.26	0.22822
52	ENST00000399231	ENSG00000197535	1794	-0.17	0.02022
52	ENST00000399766	ENSG00000204178	687	0.06	0.65698
52	ENST00000399820	ENSG00000157796	633	-0.38	0.00023
52	ENST00000399848	ENSG00000168675	1643	-0.64	1.04E-20
52	ENST00000399881	ENSG00000215262	16	-0.55	0.45515
52	ENST00000400206	ENSG00000283900	6	0.52	NA
52	ENST00000400358	ENSG00000167037	4	-0.97	NA
52	ENST00000400384	ENSG00000141639	2260	-0.81	5.14E-46
52	ENST00000400424	ENSG00000177398	1	0.47	NA
52	ENST00000400445	ENSG00000172915	439	-0.49	0.00015
52	ENST00000400485	ENSG00000159256	529	0.01	0.96479
52	ENST00000400525	ENSG00000184470	1017	-0.15	0.24599
52	ENST00000400585	ENSG00000099954	4	-0.56	NA
52	ENST00000400788	ENSG00000215712	353	0.02	0.94696
52	ENST00000401000	ENSG00000163125	2758	-0.01	0.94155
52	ENST00000401604	ENSG00000185532	7	0.02	NA
52	ENST00000401886	ENSG00000183597	645	-0.41	0.00162
52	ENST00000402038	ENSG00000227345	1318	-0.08	0.42906
52	ENST00000402198	ENSG00000168137	5940	-0.15	0.02254
52	ENST00000402655	ENSG00000186153	70	-0.79	0.00554
52	ENST00000402676	ENSG00000131016	11520	0.22	0.00541
52	ENST00000402849	ENSG00000100028	1030	-0.44	4.92E-09
52	ENST00000403714	ENSG00000084710	21	-0.28	0.71691
52	ENST00000403733	ENSG00000151718	2752	0.01	0.92351
52	ENST00000404760	ENSG00000100425	2069	0.13	0.10667
52	ENST00000404767	ENSG00000164880	14983	-0.06	0.49204
52	ENST00000404895	ENSG00000156687	45	0.28	0.57087
52	ENST00000405015	ENSG00000115504	1052	-0.53	1.22E-07
52	ENST00000405269	ENSG00000183023	5	0.14	NA
52	ENST00000405460	ENSG00000164199	7	-0.35	NA
52	ENST00000405592	ENSG00000057935	752	-0.27	0.00072
52	ENST00000405709	ENSG00000184903	426	-1.21	4.09E-19
52	ENST00000405805	ENSG00000189403	5015	0.26	8.95E-05
52	ENST00000405975	ENSG00000115970	1226	-0.56	4.96E-14
52	ENST00000406361	ENSG00000128242	12	-0.73	NA
52	ENST00000406427	ENSG00000130653	80	-0.42	0.25496
52	ENST00000406477	ENSG00000188677	1437	-0.21	0.00729
52	ENST00000406486	ENSG00000197077	4006	-0.33	1.71E-11

52	ENST00000406610	ENSG00000116117	339	-1.43	2.25E-28
52	ENST00000406869	ENSG00000002822	175	-0.35	0.42026
52	ENST00000406875	ENSG00000064393	2766	-0.15	0.02381
52	ENST00000406979	ENSG00000144451	375	0.05	0.82542
52	ENST00000407025	ENSG00000115685	937	0.04	0.77205
52	ENST00000407327	ENSG00000129353	3114	0.18	0.04958
52	ENST00000407597	ENSG00000101849	2943	-0.34	2.26E-10
52	ENST00000407690	ENSG00000100109	970	0.10	0.47646
52	ENST00000407936	ENSG00000100142	841	0.16	0.30514
52	ENST00000407967	ENSG00000135119	937	-0.43	1.11E-09
52	ENST00000408903	ENSG00000171444	1037	-0.25	0.00808
52	ENST00000409003	ENSG00000177570	536	-0.47	0.00021
52	ENST00000409039	ENSG00000197653	5	0.64	NA
52	ENST00000409265	ENSG00000160703	594	-0.39	0.00619
52	ENST00000409308	ENSG00000102547	99	-0.27	0.38824
52	ENST00000409359	ENSG00000136002	1495	-0.54	3.04E-16
52	ENST00000409402	ENSG00000134278	1316	-0.66	1.13E-21
52	ENST00000409404	ENSG00000165323	159	-2.02	5.97E-26
52	ENST00000409418	ENSG00000137478	627	-0.70	2.60E-14
52	ENST00000409478	ENSG00000048991	1198	-0.74	3.74E-18
52	ENST00000409587	ENSG00000105223	2886	-0.75	1.15E-31
52	ENST00000409663	ENSG00000121210	765	-0.13	0.31429
52	ENST00000409682	ENSG00000115233	2301	-0.02	0.86877
52	ENST00000409792	ENSG00000181555	4698	-0.20	0.00073
52	ENST00000409850	ENSG00000106066	529	-0.37	0.00099
52	ENST00000410040	ENSG00000115604	430	-0.41	0.00069
52	ENST00000411863	ENSG00000178665	84	-0.36	0.18288
52	ENST00000412402	ENSG00000128573	207	0.01	0.96895
52	ENST00000412723	ENSG00000119227	56	-0.84	0.02601
52	ENST00000413366	ENSG00000154229	4321	-0.72	2.58E-24
52	ENST00000413555	ENSG00000163468	15598	0.16	0.00025
52	ENST00000413817	ENSG00000205593	215	-0.52	0.00143
52	ENST00000414202	ENSG00000107036	1714	-0.24	0.00339
52	ENST00000414423	ENSG00000162923	2822	0.07	0.39971
52	ENST00000414645	ENSG00000156162	941	-0.27	0.00854
52	ENST00000414689	ENSG00000149932	976	0.07	0.55051
52	ENST00000414834	ENSG00000087470	2693	-0.18	0.01450
52	ENST00000415083	ENSG00000141380	1965	0.12	0.14665
52	ENST00000415229	ENSG00000162174	275	-0.89	2.53E-10
52	ENST00000415496	ENSG00000102858	3458	-0.04	0.69313
52	ENST00000415807	ENSG00000075420	7345	-0.04	0.58708
52	ENST00000416219	ENSG00000064270	4	-1.92	NA
52	ENST00000416283	ENSG00000006576	1072	-0.28	0.00236
52	ENST00000416691	ENSG00000133103	551	0.16	0.22651
52	ENST00000416984	ENSG00000104299	506	0.13	0.38927
52	ENST00000417496	ENSG00000048052	130	-1.31	1.32E-10
52	ENST00000417564	ENSG00000160305	2377	-0.10	0.21810
52	ENST00000417641	ENSG00000028116	816	0.20	0.07629

52	ENST00000418066	ENSG00000196975	1131	-0.34	1.21E-05
52	ENST00000418115	ENSG00000067560	11406	0.10	0.09518
52	ENST00000418596	ENSG00000155744	1068	-0.04	0.73917
52	ENST00000418635	ENSG00000112033	616	-0.01	0.96954
52	ENST00000418929	ENSG00000126464	2863	0.18	0.07239
52	ENST00000419735	ENSG00000146776	310	-0.68	3.66E-05
52	ENST00000420542	ENSG00000117461	931	-0.06	0.67646
52	ENST00000420699	ENSG00000135976	1142	-0.26	0.23306
52	ENST00000420781	ENSG00000187239	690	-0.32	0.00187
52	ENST00000421515	ENSG00000197885	122	0.47	0.01798
52	ENST00000421745	ENSG00000115760	7161	-0.45	1.75E-14
52	ENST00000421797	ENSG00000128585	2743	0.05	0.67088
52	ENST00000421802	ENSG00000159128	895	0.07	0.59491
52	ENST00000422090	ENSG00000213024	2653	-0.05	0.50743
52	ENST00000422127	ENSG00000154358	5343	-0.46	4.66E-11
52	ENST00000422365	ENSG00000178460	5	-1.03	NA
52	ENST00000422809	ENSG00000156273	1940	0.17	0.03331
52	ENST00000422968	ENSG00000243317	876	0.15	0.20903
52	ENST00000423156	ENSG00000151835	5150	0.08	0.32080
52	ENST00000423485	ENSG00000131747	18587	0.11	0.08409
52	ENST00000423797	ENSG00000115944	1228	-0.04	0.74909
52	ENST00000424014	ENSG00000111361	2141	0.00	0.98004
52	ENST00000424120	ENSG00000048342	1081	-0.33	3.63E-06
52	ENST00000424173	ENSG00000081189	270	0.46	0.00191
52	ENST00000424296	ENSG00000155085	87	0.14	0.71629
52	ENST00000424445	ENSG00000185250	11	-0.55	NA
52	ENST00000424479	ENSG00000147535	484	-0.09	0.65736
52	ENST00000424526	ENSG00000141449	1009	-1.04	2.31E-26
52	ENST00000424679	ENSG00000171606	636	0.15	0.22670
52	ENST00000425103	ENSG00000170871	1432	-0.07	0.52967
52	ENST00000425232	ENSG00000197603	4096	-0.59	7.24E-15
52	ENST00000425327	ENSG00000144847	2	0.72	NA
52	ENST00000425528	ENSG00000105576	2851	-0.09	0.25728
52	ENST00000425752	ENSG00000177119	2801	0.02	0.81549
52	ENST00000426198	ENSG00000106608	1090	-0.10	0.41434
52	ENST00000426333	ENSG00000108883	7007	-0.01	0.88433
52	ENST00000426508	ENSG00000187535	1044	-0.25	0.00195
52	ENST00000426664	ENSG00000172765	796	-0.12	0.33078
52	ENST00000426972	ENSG00000153904	883	0.06	0.56487
52	ENST00000426997	ENSG00000237651	15	-0.25	NA
52	ENST00000427067	ENSG00000136960	4	-1.29	NA
52	ENST00000427177	ENSG00000184640	11322	-0.10	0.08872
52	ENST00000427521	ENSG00000106484	2015	-0.28	8.16E-07
52	ENST00000427926	ENSG00000070371	1218	-0.90	8.29E-17
52	ENST00000428084	ENSG00000128512	785	-0.46	4.88E-06
52	ENST00000428417	ENSG00000171729	149	-0.19	0.53309
52	ENST00000428443	ENSG00000187231	2201	0.08	0.33079
52	ENST00000428670	ENSG00000070961	3862	0.10	0.16061

52	ENST00000428762	ENSG00000189056	20	1.29	0.06359
52	ENST00000429027	ENSG00000052126	2738	-0.42	1.81E-06
52	ENST00000430044	ENSG00000178234	670	0.08	0.56238
52	ENST00000430046	ENSG00000157107	661	-0.14	0.24618
52	ENST00000430799	ENSG00000117713	4579	-0.09	0.17426
52	ENST00000430935	ENSG00000105948	488	-0.24	0.13387
52	ENST00000431054	ENSG00000072682	2594	0.30	7.57E-07
52	ENST00000431544	ENSG00000099999	523	0.23	0.08654
52	ENST00000431606	ENSG00000156603	245	0.33	0.03088
52	ENST00000431926	ENSG00000136485	3920	-0.09	0.19476
52	ENST00000431975	ENSG00000118507	131	-0.11	0.69436
52	ENST00000432005	ENSG00000251247	16	0.26	NA
52	ENST00000432334	ENSG00000132669	707	-0.04	0.81828
52	ENST00000432587	ENSG00000143164	2120	-0.24	0.00093
52	ENST00000432992	ENSG00000007237	564	-0.99	1.01E-24
52	ENST00000433011	ENSG00000196440	276	0.12	0.51775
52	ENST00000433176	ENSG00000123562	10868	0.23	1.41E-06
52	ENST00000433342	ENSG00000215910	5	1.11	NA
52	ENST00000433360	ENSG00000158528	649	-0.25	0.01528
52	ENST00000433674	ENSG00000162909	6353	0.13	0.01676
52	ENST00000433818	ENSG00000149262	1044	-0.02	0.91381
52	ENST00000433867	ENSG00000105287	848	-0.05	0.74369
52	ENST00000434592	ENSG00000004534	1407	-0.44	5.91E-08
52	ENST00000435030	ENSG00000168280	69	-1.04	0.00026
52	ENST00000435168	ENSG00000084070	617	-0.01	0.97452
52	ENST00000435200	ENSG00000131148	895	-0.02	0.88509
52	ENST00000435205	ENSG00000164142	1600	-0.21	0.00146
52	ENST00000435224	ENSG00000166016	829	-0.10	0.46029
52	ENST00000435336	ENSG00000106266	1218	-0.10	0.35938
52	ENST00000435420	ENSG00000118961	532	-0.05	0.75445
52	ENST00000435504	ENSG00000143970	3029	-0.03	0.73264
52	ENST00000435532	ENSG00000069869	935	-0.18	0.04166
52	ENST00000435607	ENSG00000007314	5	-1.05	NA
52	ENST00000435819	ENSG00000135218	9	-1.16	NA
52	ENST00000435827	ENSG00000090273	2180	0.05	0.71231
52	ENST00000435976	ENSG00000146856	54	0.00	0.99580
52	ENST00000436443	ENSG00000178568	356	-1.54	4.66E-21
52	ENST00000436817	ENSG00000156515	2831	-0.13	0.02374
52	ENST00000436857	ENSG00000174353	398	-0.23	0.30577
52	ENST00000436909	ENSG00000121274	508	0.17	0.16614
52	ENST00000436978	ENSG00000163629	2550	0.02	0.84301
52	ENST00000437048	ENSG00000141252	2533	-0.29	8.58E-07
52	ENST00000437219	ENSG00000167716	2655	0.11	0.28995
52	ENST00000437508	ENSG00000109654	1363	-0.32	2.14E-05
52	ENST00000437600	ENSG00000257923	11499	-1.43	#####
52	ENST00000437932	ENSG00000163110	4040	-0.04	0.49215
52	ENST00000438284	ENSG00000196639	739	-0.34	0.00011
52	ENST00000438323	ENSG00000068079	359	0.38	0.02002

52	ENST00000438447	ENSG00000133401	1112	-0.70	7.97E-20
52	ENST00000439055	ENSG00000153093	3	0.04	NA
52	ENST00000439290	ENSG00000148343	1570	-0.03	0.78177
52	ENST00000439617	ENSG00000162946	22	-0.85	0.17205
52	ENST00000439980	ENSG00000102309	108	-0.37	0.36908
52	ENST00000440460	ENSG00000150764	820	-0.17	0.15483
52	ENST00000440575	ENSG00000081087	942	-0.29	0.00121
52	ENST00000441037	ENSG00000273540	16	1.25	0.15695
52	ENST00000441448	ENSG00000197498	626	-0.05	0.79792
52	ENST00000441711	ENSG00000170632	1195	0.04	0.74371
52	ENST00000442141	ENSG00000138018	2772	-0.13	0.09951
52	ENST00000443029	ENSG00000206562	443	-0.11	0.47310
52	ENST00000443617	ENSG00000103657	7886	-0.44	1.25E-20
52	ENST00000443700	ENSG00000152056	507	-0.29	0.01566
52	ENST00000443967	ENSG00000170085	328	-0.23	0.19207
52	ENST00000444486	ENSG00000213999	14	-0.70	NA
52	ENST00000444836	ENSG00000116688	5282	0.12	0.04962
52	ENST00000444914	ENSG00000007216	3	-0.40	NA
52	ENST00000445275	ENSG00000141198	1359	-0.09	0.30491
52	ENST00000445593	ENSG00000104341	7348	0.14	0.03408
52	ENST00000445597	ENSG00000185842	428	-0.04	0.85966
52	ENST00000446050	ENSG00000163536	614	-0.31	0.00280
52	ENST00000446165	ENSG00000173875	865	0.05	0.63212
52	ENST00000446765	ENSG00000162961	609	0.13	0.27418
52	ENST00000446828	ENSG00000073803	477	-0.20	0.20364
52	ENST00000447063	ENSG00000250305	8	0.50	NA
52	ENST00000447733	ENSG00000100284	1106	-0.43	8.94E-10
52	ENST00000447998	ENSG00000132912	2252	-0.05	0.59196
52	ENST00000448002	ENSG00000161040	84	-0.58	0.06838
52	ENST00000448392	ENSG00000103978	2331	-0.18	0.01714
52	ENST00000448413	ENSG00000144455	1190	-0.40	1.75E-08
52	ENST00000448427	ENSG00000243147	303	0.05	0.84952
52	ENST00000448504	ENSG00000141337	507	-1.05	2.26E-24
52	ENST00000448507	ENSG00000132405	2090	0.03	0.74328
52	ENST00000448775	ENSG00000166250	896	-0.72	3.19E-21
52	ENST00000448803	ENSG00000176371	219	0.00	0.99911
52	ENST00000449592	ENSG00000188735	781	-0.98	2.09E-22
52	ENST00000450067	ENSG00000168096	834	-0.08	0.51754
52	ENST00000450454	ENSG00000204219	73	0.03	0.95769
52	ENST00000450536	ENSG00000135597	764	-0.11	0.32319
52	ENST00000450593	ENSG00000168243	13	-2.28	NA
52	ENST00000451013	ENSG00000196275	32	-0.84	0.10258
52	ENST00000451211	ENSG00000160310	899	0.09	0.38167
52	ENST00000451479	ENSG00000100036	299	0.14	0.52141
52	ENST00000451613	ENSG00000157426	296	-0.31	0.06388
52	ENST00000452510	ENSG00000145833	4024	-0.04	0.70261
52	ENST00000453773	ENSG00000127948	1795	-0.15	0.08125
52	ENST00000454545	ENSG00000163449	13	-0.64	NA

52	ENST00000454584	ENSG00000148935	8	0.13	NA
52	ENST00000454967	ENSG00000203943	11	-0.33	NA
52	ENST00000455274	ENSG00000214021	177	-0.25	0.31204
52	ENST00000455490	ENSG00000242852	4	-1.41	NA
52	ENST00000455502	ENSG00000127928	124	-0.35	0.18513
52	ENST00000455537	ENSG00000155980	13	-0.27	NA
52	ENST00000455611	ENSG00000164164	2224	0.31	8.99E-05
52	ENST00000455833	ENSG00000169991	558	0.15	0.29504
52	ENST00000457091	ENSG00000215045	3	-0.58	NA
52	ENST00000457714	ENSG00000169760	4	-3.35	NA
52	ENST00000458141	ENSG00000137573	39	-0.86	0.02370
52	ENST00000458234	ENSG00000196498	16622	0.30	2.07E-06
52	ENST00000458657	ENSG00000198520	29	-1.38	0.00717
52	ENST00000460056	ENSG00000171509	37	-1.21	0.00168
52	ENST00000460425	ENSG00000128805	33	-0.28	0.66004
52	ENST00000460503	ENSG00000169251	1926	0.14	0.10129
52	ENST00000460851	ENSG00000144895	2592	0.01	0.94120
52	ENST00000461347	ENSG00000115053	11253	0.16	0.33829
52	ENST00000461377	ENSG00000136280	1024	-0.01	0.95305
52	ENST00000461535	ENSG00000141371	3	-0.79	NA
52	ENST00000461655	ENSG00000162407	191	-0.27	0.30354
52	ENST00000461783	ENSG00000146426	99	-0.34	0.31580
52	ENST00000462592	ENSG00000099219	2100	-0.02	0.84948
52	ENST00000462722	ENSG00000171097	70	-0.41	0.23508
52	ENST00000463448	ENSG00000137210	503	-0.03	0.88335
52	ENST00000463477	ENSG00000153707	78	-1.22	5.68E-06
52	ENST00000463736	ENSG00000153558	174	-0.19	0.49377
52	ENST00000463865	ENSG00000035115	388	0.18	0.22818
52	ENST00000464233	ENSG00000169855	7619	0.11	0.03966
52	ENST00000464497	ENSG00000122705	4810	0.11	0.18071
52	ENST00000464588	ENSG00000162415	211	-1.20	5.23E-10
52	ENST00000464747	ENSG00000116044	3608	0.05	0.54791
52	ENST00000465292	ENSG00000170745	17	-0.23	0.81989
52	ENST00000465804	ENSG00000018408	2688	-0.03	0.74132
52	ENST00000466232	ENSG00000005486	1954	0.05	0.64592
52	ENST00000468573	ENSG00000133019	126	-0.41	0.04423
52	ENST00000469037	ENSG00000189180	1185	0.01	0.95981
52	ENST00000469372	ENSG00000166278	29	-0.20	0.76598
52	ENST00000469481	ENSG00000101972	5867	0.14	0.04573
52	ENST00000469520	ENSG00000162813	634	-0.02	0.91268
52	ENST00000469750	ENSG00000106009	2678	0.09	0.39568
52	ENST00000469902	ENSG00000221955	295	-0.08	0.69434
52	ENST00000470165	ENSG00000166171	309	0.12	0.53891
52	ENST00000470612	ENSG00000088992	825	-0.85	4.60E-25
52	ENST00000471181	ENSG00000012048	3510	-0.54	2.12E-21
52	ENST00000471405	ENSG00000164707	5	0.46	NA
52	ENST00000471658	ENSG00000121390	1323	-0.03	0.82069
52	ENST00000471714	ENSG00000154175	32	-0.23	0.72065

52	ENST00000472403	ENSG00000180336	5	-0.99	NA
52	ENST00000472470	ENSG00000105971	824	0.42	0.00011
52	ENST00000472709	ENSG00000143486	1369	-0.07	0.48533
52	ENST00000472729	ENSG00000173163	159	-1.29	2.01E-12
52	ENST00000472748	ENSG00000115840	866	-0.06	0.60294
52	ENST00000473112	ENSG00000128928	3056	-0.31	1.11E-10
52	ENST00000473755	ENSG00000154743	784	-0.49	1.29E-07
52	ENST00000473897	ENSG00000170965	8	0.16	NA
52	ENST00000474070	ENSG00000106069	41	-1.39	0.00108
52	ENST00000474759	ENSG00000157445	996	-0.64	2.31E-11
52	ENST00000474889	ENSG00000144724	96	-2.66	2.80E-32
52	ENST00000475184	ENSG00000150093	16952	0.32	7.62E-10
52	ENST00000475866	ENSG00000176092	38	0.16	0.78182
52	ENST00000475951	ENSG00000135631	1109	0.18	0.07338
52	ENST00000476620	ENSG00000086289	653	0.23	0.06035
52	ENST00000476805	ENSG00000179833	563	0.40	0.00118
52	ENST00000476842	ENSG00000168273	122	0.01	0.98398
52	ENST00000477474	ENSG00000109689	725	0.12	0.35826
52	ENST00000477571	ENSG00000157800	636	-0.02	0.92741
52	ENST00000477723	ENSG00000138442	1885	-0.09	0.24192
52	ENST00000477754	ENSG00000116584	2416	0.24	6.28E-05
52	ENST00000477973	ENSG00000163602	1099	0.23	0.00317
52	ENST00000478046	ENSG00000011485	3238	0.02	0.79512
52	ENST00000478109	ENSG00000163191	2585	0.27	0.00458
52	ENST00000478381	ENSG00000204152	160	-0.37	0.12451
52	ENST00000478722	ENSG00000171723	530	-0.56	8.98E-08
52	ENST00000478945	ENSG00000163530	17	-0.11	0.90738
52	ENST00000479209	ENSG00000120742	2145	0.30	1.40E-07
52	ENST00000479375	ENSG00000136877	3183	-0.03	0.80428
52	ENST00000481169	ENSG00000047457	791	-1.46	1.12E-56
52	ENST00000481247	ENSG00000183826	268	-1.01	2.49E-14
52	ENST00000481284	ENSG00000131069	518	-0.24	0.06420
52	ENST00000481847	ENSG00000124116	6	0.33	NA
52	ENST00000481939	ENSG00000091127	1589	-0.57	4.26E-15
52	ENST00000482640	ENSG00000079257	347	0.43	0.00800
52	ENST00000484106	ENSG00000163785	1604	0.08	0.48271
52	ENST00000485419	ENSG00000283154	207	-0.07	0.83232
52	ENST00000487099	ENSG00000148200	213	-1.15	2.24E-12
52	ENST00000487159	ENSG00000182606	1819	0.13	0.11970
52	ENST00000487694	ENSG00000185008	377	-0.59	1.49E-08
52	ENST00000488612	ENSG00000182185	101	-1.74	5.77E-10
52	ENST00000489671	ENSG00000114126	1213	-0.77	3.89E-14
52	ENST00000489878	ENSG00000143479	1015	0.03	0.84790
52	ENST00000490408	ENSG00000176386	235	0.08	0.73984
52	ENST00000490715	ENSG00000007341	665	-0.15	0.17763
52	ENST00000491361	ENSG00000163645	6	-0.79	NA
52	ENST00000491526	ENSG00000135540	874	-1.26	3.61E-40
52	ENST00000492457	ENSG00000243709	2	-0.68	NA

52	ENST00000492590	ENSG00000189283	34	-1.88	9.52E-05
52	ENST00000492622	ENSG00000102531	7691	-0.33	1.32E-10
52	ENST00000493373	ENSG00000116288	5188	0.12	0.02899
52	ENST00000493385	ENSG00000119929	339	0.26	0.09061
52	ENST00000493964	ENSG00000142609	5	-1.26	NA
52	ENST00000496137	ENSG00000172432	1982	0.19	0.01009
52	ENST00000496384	ENSG00000157764	1095	-0.35	0.00096
52	ENST00000496391	ENSG00000128563	516	-0.09	0.63576
52	ENST00000496455	ENSG00000163655	4333	-0.06	0.48291
52	ENST00000498004	ENSG00000169239	221	-0.31	0.13546
52	ENST00000498165	ENSG00000163590	438	-0.89	2.11E-18
52	ENST00000498382	ENSG00000143786	17	-0.53	0.48480
52	ENST00000500704	ENSG00000123552	315	-0.06	0.78329
52	ENST00000502161	ENSG00000245573	78	-0.07	0.88496
52	ENST00000502459	ENSG00000138640	1053	-0.09	0.43522
52	ENST00000502463	ENSG00000249375	11	0.59	NA
52	ENST00000502484	ENSG00000113448	13128	-0.32	2.14E-06
52	ENST00000502583	ENSG00000164304	6	-1.40	NA
52	ENST00000503008	ENSG00000145416	63	-1.06	0.00508
52	ENST00000503039	ENSG00000113761	805	-0.54	9.85E-09
52	ENST00000503191	ENSG00000104723	1472	-0.11	0.26087
52	ENST00000503432	ENSG00000109794	87	-0.15	0.71762
52	ENST00000503581	ENSG00000188107	6	-0.81	NA
52	ENST00000503650	ENSG00000251574	8	0.57	NA
52	ENST00000504198	ENSG00000156475	62	-0.83	0.00757
52	ENST00000504374	ENSG00000037474	9420	0.13	0.01330
52	ENST00000504592	ENSG00000153064	130	0.42	0.10505
52	ENST00000504652	ENSG00000145041	2190	-0.21	0.00018
52	ENST00000505019	ENSG00000138658	756	-0.08	0.60294
52	ENST00000505143	ENSG00000153113	19462	0.16	0.00808
52	ENST00000505406	ENSG00000145287	149	-0.23	0.36634
52	ENST00000505624	ENSG00000205838	30	0.57	0.27704
52	ENST00000505871	ENSG00000214193	427	0.10	0.63191
52	ENST00000506087	ENSG00000170088	558	-0.10	0.55818
52	ENST00000506823	ENSG00000174473	30	-0.59	0.35126
52	ENST00000507257	ENSG00000138750	1027	0.08	0.48552
52	ENST00000507958	ENSG00000145526	12	-1.56	NA
52	ENST00000508053	ENSG00000138829	3419	-0.15	0.05306
52	ENST00000508175	ENSG00000154274	397	-0.42	0.00310
52	ENST00000508208	ENSG00000164168	1222	0.17	0.02539
52	ENST00000508235	ENSG00000063978	2519	0.07	0.44509
52	ENST00000508645	ENSG00000113396	3	-0.24	NA
52	ENST00000509104	ENSG00000113389	9795	-0.08	0.17343
52	ENST00000509176	ENSG00000184305	197	-0.48	0.00860
52	ENST00000509193	ENSG00000164300	648	-0.50	1.18E-07
52	ENST00000509479	ENSG00000196782	807	-1.03	7.61E-37
52	ENST00000510784	ENSG00000111913	85	-0.45	0.12680
52	ENST00000511217	ENSG00000156463	235	-0.04	0.90685

52	ENST00000511367	ENSG00000113360	9697	0.04	0.61817
52	ENST00000511449	ENSG00000173542	1104	-0.16	0.21700
52	ENST00000511689	ENSG00000113648	8036	0.03	0.71114
52	ENST00000511725	ENSG00000131508	1776	-0.41	2.30E-13
52	ENST00000511736	ENSG00000172262	2952	-0.06	0.45856
52	ENST00000511884	ENSG00000169851	4973	-0.48	1.70E-29
52	ENST00000511912	ENSG00000171503	446	0.11	0.44496
52	ENST00000512091	ENSG00000150471	15	-1.65	NA
52	ENST00000512351	ENSG00000168214	1655	0.14	0.09061
52	ENST00000513042	ENSG00000214944	494	-0.39	0.00093
52	ENST00000513602	ENSG00000121104	23	-0.36	0.57602
52	ENST00000513610	ENSG00000145555	18244	-0.26	7.10E-11
52	ENST00000515001	ENSG00000153044	818	0.10	0.44338
52	ENST00000515393	ENSG00000175471	357	-0.26	0.08513
52	ENST00000515774	ENSG00000164306	249	-0.19	0.30583
52	ENST00000517417	ENSG00000204956	47	0.01	0.99235
52	ENST00000517434	ENSG00000253731	47	-0.57	0.12886
52	ENST00000517649	ENSG00000249437	21	-0.89	0.08229
52	ENST00000517876	ENSG00000155508	1644	0.18	0.02006
52	ENST00000517956	ENSG00000156804	3633	0.17	0.01151
52	ENST00000518069	ENSG00000253485	23	-0.07	0.94015
52	ENST00000518318	ENSG00000106536	12	-0.98	NA
52	ENST00000518325	ENSG00000253537	152	-0.36	0.12724
52	ENST00000518476	ENSG00000176571	4	0.14	NA
52	ENST00000518547	ENSG00000170873	135	-0.35	0.12724
52	ENST00000518659	ENSG00000145934	352	-0.43	0.00063
52	ENST00000518663	ENSG00000104626	957	0.07	0.58910
52	ENST00000518721	ENSG00000153317	1792	-0.30	5.37E-06
52	ENST00000519479	ENSG00000253953	63	-0.07	0.87744
52	ENST00000519569	ENSG00000080823	161	-0.67	0.00996
52	ENST00000519716	ENSG00000130477	439	-0.13	0.41668
52	ENST00000519728	ENSG00000254087	471	0.18	0.26507
52	ENST00000519963	ENSG00000121022	635	0.19	0.15427
52	ENST00000520099	ENSG00000214954	36	0.01	0.99122
52	ENST00000520369	ENSG00000169122	55	-0.02	0.96284
52	ENST00000520388	ENSG00000132837	12	-0.42	NA
52	ENST00000520539	ENSG00000104517	5917	-0.31	2.51E-10
52	ENST00000520701	ENSG00000123643	999	-0.09	0.49484
52	ENST00000520739	ENSG00000104660	930	0.13	0.20177
52	ENST00000520790	ENSG00000253305	41	-0.16	0.77810
52	ENST00000520908	ENSG00000134516	128	0.13	0.64362
52	ENST00000521006	ENSG00000095539	68	-0.38	0.38121
52	ENST00000521015	ENSG00000134014	1052	-0.20	0.00872
52	ENST00000521198	ENSG00000104205	38	0.26	0.60811
52	ENST00000521548	ENSG00000214050	26	-0.46	0.42074
52	ENST00000521769	ENSG00000113263	12	-0.54	NA
52	ENST00000521903	ENSG00000156802	4487	0.14	0.06791
52	ENST00000522208	ENSG00000113269	784	-0.10	0.42912

52	ENST00000522227	ENSG00000044115	19394	-0.23	6.69E-08
52	ENST00000522495	ENSG00000131203	82	-2.57	7.24E-26
52	ENST00000522605	ENSG00000253910	33	-0.51	0.29664
52	ENST00000522676	ENSG00000163116	3	1.13	NA
52	ENST00000522677	ENSG00000185697	439	0.13	0.46678
52	ENST00000522684	ENSG00000169398	3164	-0.49	1.88E-14
52	ENST00000522706	ENSG00000104714	314	-0.36	0.03828
52	ENST00000522934	ENSG00000164919	667	0.19	0.15833
52	ENST00000523149	ENSG00000012232	2514	0.06	0.52549
52	ENST00000523288	ENSG00000153310	1690	-0.37	3.58E-12
52	ENST00000523390	ENSG00000254221	70	-0.29	0.36014
52	ENST00000523466	ENSG00000196743	1719	0.23	0.00504
52	ENST00000523601	ENSG00000104375	312	-0.16	0.47310
52	ENST00000523767	ENSG00000070614	3312	0.13	0.02167
52	ENST00000523911	ENSG00000176623	693	0.06	0.66322
52	ENST00000524140	ENSG00000188039	29	-1.30	0.00540
52	ENST00000524205	ENSG00000239704	38	-0.13	0.81593
52	ENST00000524482	ENSG00000149792	1728	0.05	0.64888
52	ENST00000524576	ENSG00000174547	1238	-0.06	0.58576
52	ENST00000524630	ENSG00000198561	223	-0.18	0.40612
52	ENST00000524717	ENSG00000184384	664	-0.72	1.46E-13
52	ENST00000524827	ENSG00000176102	1067	0.14	0.16321
52	ENST00000524974	ENSG00000178104	1156	0.26	0.00316
52	ENST00000525071	ENSG00000110660	945	-0.10	0.42454
52	ENST00000525123	ENSG00000165923	47	0.08	0.88980
52	ENST00000525361	ENSG00000165490	760	0.09	0.53226
52	ENST00000525908	ENSG00000173715	197	-0.61	0.00110
52	ENST00000526760	ENSG00000174483	50	-0.62	0.09336
52	ENST00000526761	ENSG00000074201	1786	-0.01	0.90862
52	ENST00000527524	ENSG00000149403	4	-0.29	NA
52	ENST00000527893	ENSG00000110696	2148	0.12	0.12745
52	ENST00000527956	ENSG00000086991	38	0.32	0.62393
52	ENST00000528216	ENSG00000148985	528	-0.17	0.31540
52	ENST00000528367	ENSG00000168569	604	-0.09	0.43826
52	ENST00000528416	ENSG00000133884	1681	0.00	0.96954
52	ENST00000528481	ENSG00000077514	1568	-0.01	0.94675
52	ENST00000528588	ENSG00000149823	3435	-0.28	0.00130
52	ENST00000529681	ENSG00000117983	6	0.50	NA
52	ENST00000530758	ENSG00000254999	1504	0.12	0.27002
52	ENST00000531066	ENSG00000166689	337	-1.12	1.13E-22
52	ENST00000532176	ENSG00000028277	6	-0.14	NA
52	ENST00000532485	ENSG00000078124	790	-0.80	1.64E-16
52	ENST00000533144	ENSG00000151364	92	-0.15	0.67754
52	ENST00000533211	ENSG00000173898	10409	0.30	5.81E-07
52	ENST00000533626	ENSG00000175390	6078	0.09	0.09847
52	ENST00000533902	ENSG00000150687	7782	0.05	0.49011
52	ENST00000534127	ENSG00000166444	1435	0.00	0.99122
52	ENST00000534358	ENSG00000118058	3273	-0.10	0.10836

52	ENST00000534368	ENSG00000111907	888	-0.12	0.42251
52	ENST00000534526	ENSG00000139132	354	-0.55	0.00014
52	ENST00000534843	ENSG00000178878	230	-0.62	2.45E-05
52	ENST00000534855	ENSG00000115137	110	0.26	0.45779
52	ENST00000535106	ENSG00000136631	1076	-0.52	7.41E-12
52	ENST00000535113	ENSG00000184949	316	-0.71	1.01E-05
52	ENST00000535342	ENSG00000154240	132	0.13	0.67193
52	ENST00000535621	ENSG00000179889	4465	0.01	0.91216
52	ENST00000535714	ENSG00000183571	4	-2.24	NA
52	ENST00000535776	ENSG00000099246	1141	0.06	0.54669
52	ENST00000536235	ENSG00000159374	2	-0.90	NA
52	ENST00000536329	ENSG00000165304	2543	-0.13	0.11915
52	ENST00000536438	ENSG00000096060	571	-0.28	0.01208
52	ENST00000536676	ENSG00000186231	1	2.44	NA
52	ENST00000536719	ENSG00000074319	949	-0.06	0.64035
52	ENST00000536837	ENSG00000089053	4753	-0.14	0.00871
52	ENST00000537098	ENSG00000153815	4390	-0.32	9.94E-17
52	ENST00000537140	ENSG00000182985	445	-0.33	0.00317
52	ENST00000537871	ENSG00000133321	18	0.63	0.45895
52	ENST00000537916	ENSG00000104290	201	-0.11	0.65575
52	ENST00000538029	ENSG00000139187	18	-0.08	0.93380
52	ENST00000538253	ENSG00000134242	6	-1.76	NA
52	ENST00000539198	ENSG00000111186	10	-0.58	NA
52	ENST00000539503	ENSG00000177981	645	0.28	0.00310
52	ENST00000539591	ENSG00000174032	224	0.25	0.23305
52	ENST00000539935	ENSG00000182389	14	-0.11	NA
52	ENST00000539966	ENSG00000102572	3688	0.29	5.28E-09
52	ENST00000540166	ENSG00000167986	11297	-0.04	0.62534
52	ENST00000540184	ENSG00000078246	901	-0.09	0.49043
52	ENST00000540606	ENSG00000107669	867	-0.20	0.07456
52	ENST00000540643	ENSG00000198089	973	-0.72	2.77E-14
52	ENST00000540801	ENSG00000141298	1543	-0.66	6.97E-22
52	ENST00000540871	ENSG00000100902	105	-0.13	0.75323
52	ENST00000541110	ENSG00000124496	512	-0.17	0.22545
52	ENST00000541189	ENSG00000174099	1059	-0.20	0.01344
52	ENST00000541297	ENSG00000104853	3493	0.10	0.20567
52	ENST00000541714	ENSG00000105289	15	0.03	NA
52	ENST00000541798	ENSG00000152137	1746	-0.31	1.02E-05
52	ENST00000541977	ENSG00000231887	112	-1.07	0.00013
52	ENST00000542155	ENSG00000121964	139	-0.31	0.16316
52	ENST00000542267	ENSG00000145743	521	-0.77	1.40E-13
52	ENST00000542547	ENSG00000107968	317	-0.27	0.09227
52	ENST00000542587	ENSG00000064547	129	0.13	0.73160
52	ENST00000543086	ENSG00000082805	3192	-0.67	3.77E-35
52	ENST00000543095	ENSG00000129493	992	-0.71	1.45E-15
52	ENST00000543571	ENSG00000131023	1476	-0.23	0.00326
52	ENST00000543942	ENSG00000185306	6	0.54	NA
52	ENST00000543953	ENSG00000102078	247	0.01	0.96092

52	ENST00000544216	ENSG00000257103	2294	-0.37	1.02E-06
52	ENST00000544246	ENSG00000184226	12	0.55	NA
52	ENST00000544378	ENSG00000091592	309	-0.05	0.82232
52	ENST00000544408	ENSG00000100372	965	-0.36	4.49E-05
52	ENST00000544838	ENSG00000139437	453	-0.12	0.49328
52	ENST00000545168	ENSG00000119125	5300	-0.54	1.93E-27
52	ENST00000545260	ENSG00000148498	874	-1.05	7.99E-44
52	ENST00000545294	ENSG00000152332	7971	0.20	0.00045
52	ENST00000545383	ENSG00000073146	4	-0.96	NA
52	ENST00000545398	ENSG00000188917	918	-0.55	1.13E-10
52	ENST00000545560	ENSG00000198542	4	1.56	NA
52	ENST00000545908	ENSG00000100714	8685	-0.01	0.90178
52	ENST00000546266	ENSG00000135336	1296	-0.36	4.34E-05
52	ENST00000546390	ENSG00000284791	3	1.24	NA
52	ENST00000547318	ENSG00000050426	1310	-0.36	0.00013
52	ENST00000547750	ENSG00000151131	848	-0.21	0.02865
52	ENST00000547776	ENSG00000185046	11	-0.49	NA
52	ENST00000548143	ENSG00000185721	1227	0.04	0.81554
52	ENST00000548178	ENSG00000140104	372	-0.08	0.65028
52	ENST00000549190	ENSG00000134283	2055	-0.19	0.00967
52	ENST00000549372	ENSG00000089060	687	0.04	0.81509
52	ENST00000549396	ENSG00000139220	5	-0.19	NA
52	ENST00000549503	ENSG00000184304	23	-1.06	0.04857
52	ENST00000550164	ENSG00000139613	3630	0.01	0.90383
52	ENST00000550389	ENSG00000166225	999	0.03	0.79329
52	ENST00000550422	ENSG00000174233	3461	0.00	0.97431
52	ENST00000550536	ENSG00000127328	251	0.06	0.83751
52	ENST00000551295	ENSG00000018236	196	-0.22	0.36076
52	ENST00000551935	ENSG00000129521	655	0.10	0.50942
52	ENST00000552551	ENSG00000170421	51537	0.29	2.11E-08
52	ENST00000552789	ENSG00000111144	1954	0.07	0.35392
52	ENST00000552844	ENSG00000137962	2396	-0.19	0.02250
52	ENST00000552848	ENSG00000111481	5228	-0.10	0.12938
52	ENST00000552912	ENSG00000122970	662	-0.28	0.00869
52	ENST00000552918	ENSG00000123352	1507	-0.26	0.00195
52	ENST00000553458	ENSG00000119711	706	-0.13	0.23066
52	ENST00000553700	ENSG00000092148	6107	-0.17	0.00117
52	ENST00000554218	ENSG00000139971	11	-0.38	NA
52	ENST00000554546	ENSG00000133961	736	-0.52	2.67E-08
52	ENST00000554922	ENSG00000165521	71	-0.26	0.46234
52	ENST00000555159	ENSG00000025423	9	-0.69	NA
52	ENST00000555265	ENSG00000100629	647	0.00	0.97942
52	ENST00000557398	ENSG00000185442	76	-0.61	0.07155
52	ENST00000557408	ENSG00000165548	103	0.04	0.93349
52	ENST00000557794	ENSG00000140479	977	-0.53	1.74E-13
52	ENST00000558014	ENSG00000137872	142	-0.39	0.12255
52	ENST00000558040	ENSG00000028528	3788	-0.05	0.33568
52	ENST00000558348	ENSG00000157470	430	0.13	0.42958

52	ENST00000558388	ENSG00000259772	7	-0.86	NA
52	ENST00000558447	ENSG00000104067	6482	0.19	0.00012
52	ENST00000558555	ENSG00000105419	420	-0.78	5.38E-11
52	ENST00000558573	ENSG00000229474	11	-0.12	NA
52	ENST00000558663	ENSG00000103852	702	-0.12	0.37426
52	ENST00000559171	ENSG00000100889	816	0.16	0.26136
52	ENST00000559228	ENSG00000128923	1066	0.06	0.69743
52	ENST00000559234	ENSG00000174306	1227	-0.12	0.11232
52	ENST00000559757	ENSG00000157450	1372	0.06	0.53921
52	ENST00000560079	ENSG00000166716	3597	0.14	0.00795
52	ENST00000560386	ENSG00000134146	250	-0.28	0.11049
52	ENST00000560802	ENSG00000069956	3010	0.30	1.61E-06
52	ENST00000560817	ENSG00000103740	10	-1.16	NA
52	ENST00000561013	ENSG00000215271	339	-0.25	0.06994
52	ENST00000561482	ENSG00000079616	3640	-0.24	4.36E-06
52	ENST00000561490	ENSG00000047346	1034	0.06	0.65027
52	ENST00000561666	ENSG00000149926	14	-0.51	NA
52	ENST00000562116	ENSG00000039523	2655	0.25	4.56E-05
52	ENST00000562124	ENSG00000075131	596	0.18	0.15960
52	ENST00000562128	ENSG00000197162	674	-0.16	0.21129
52	ENST00000562153	ENSG00000140830	345	0.02	0.91673
52	ENST00000562520	ENSG00000102935	109	0.78	0.00093
52	ENST00000564124	ENSG00000102921	949	0.20	0.04331
52	ENST00000564349	ENSG00000196678	710	-0.08	0.59716
52	ENST00000564814	ENSG00000181938	610	-0.25	0.01292
52	ENST00000565468	ENSG00000261115	17	-1.06	0.09975
52	ENST00000566029	ENSG00000177200	3274	-0.07	0.53242
52	ENST00000566108	ENSG00000090905	3756	-0.57	9.69E-24
52	ENST00000566228	ENSG00000048471	827	-0.67	4.22E-13
52	ENST00000566392	ENSG00000168676	2	-4.56	NA
52	ENST00000566501	ENSG00000184110	267	0.19	0.65132
52	ENST00000566621	ENSG00000186073	299	-0.25	0.14804
52	ENST00000566762	ENSG00000177548	707	-0.30	0.00171
52	ENST00000566983	ENSG00000140650	1294	-0.03	0.85696
52	ENST00000567109	ENSG00000140945	689	-1.06	1.28E-36
52	ENST00000567298	ENSG00000104731	1524	-0.14	0.20249
52	ENST00000567873	ENSG00000133121	380	0.00	0.98892
52	ENST00000567887	ENSG00000127603	11468	-0.25	4.08E-07
52	ENST00000568007	ENSG00000196470	541	0.13	0.38096
52	ENST00000568423	ENSG00000198794	135	0.13	0.65698
52	ENST00000568581	ENSG00000182149	2176	0.02	0.81280
52	ENST00000569119	ENSG00000224470	1850	0.18	0.02466
52	ENST00000569430	ENSG00000188603	36	-0.14	0.80766
52	ENST00000569691	ENSG00000261652	102	-0.28	0.34673
52	ENST00000570194	ENSG00000149927	11	-0.43	NA
52	ENST00000570308	ENSG00000087245	1109	0.31	3.15E-05
52	ENST00000570547	ENSG00000129214	4	-0.95	NA
52	ENST00000570618	ENSG00000228696	279	-0.37	0.08090

52	ENST00000570769	ENSG00000213918	399	-0.99	1.07E-11
52	ENST00000571244	ENSG00000262406	8	0.11	NA
52	ENST00000571252	ENSG00000262576	25	-0.61	0.34819
52	ENST00000572559	ENSG00000153406	1543	-0.26	0.00139
52	ENST00000572933	ENSG00000183914	12	-0.55	NA
52	ENST00000573034	ENSG00000266028	2086	-0.01	0.91930
52	ENST00000573500	ENSG00000141179	228	0.08	0.74633
52	ENST00000573521	ENSG00000261934	35	-0.36	0.51912
52	ENST00000573984	ENSG00000167740	300	-0.24	0.18665
52	ENST00000574848	ENSG00000189067	5658	-0.12	0.03670
52	ENST00000575677	ENSG00000167264	457	-0.16	0.29177
52	ENST00000576222	ENSG00000262209	20	-0.90	0.16679
52	ENST00000576409	ENSG00000123472	1536	0.08	0.38092
52	ENST00000576479	ENSG00000262655	244	-2.33	8.06E-41
52	ENST00000576742	ENSG00000167723	31	1.13	0.02018
52	ENST00000577026	ENSG00000129244	7	0.64	NA
52	ENST00000577380	ENSG00000177728	2183	-0.01	0.90165
52	ENST00000577513	ENSG00000173065	549	0.15	0.25496
52	ENST00000578921	ENSG00000168461	8589	-0.09	0.13775
52	ENST00000580018	ENSG00000265354	1250	0.00	0.97229
52	ENST00000580191	ENSG00000134504	789	-0.28	0.00862
52	ENST00000580666	ENSG00000108932	2892	-0.82	1.94E-35
52	ENST00000581006	ENSG00000108474	328	-0.72	3.38E-07
52	ENST00000582783	ENSG00000160392	686	0.15	0.19530
52	ENST00000582809	ENSG00000146872	1343	-0.11	0.19970
52	ENST00000582970	ENSG00000173821	15229	-0.37	2.79E-20
52	ENST00000583088	ENSG00000184185	1556	0.17	0.07233
52	ENST00000584205	ENSG00000171953	489	0.00	0.98547
52	ENST00000585814	ENSG00000161091	13515	-0.38	0.00034
52	ENST00000585873	ENSG00000141664	1410	-0.12	0.13695
52	ENST00000586115	ENSG00000186020	316	0.09	0.63297
52	ENST00000586178	ENSG00000011258	815	-0.54	1.16E-08
52	ENST00000586600	ENSG00000104957	560	0.00	0.98547
52	ENST00000586622	ENSG00000092931	464	-0.13	0.38190
52	ENST00000586713	ENSG00000178404	215	0.19	0.41060
52	ENST00000586717	ENSG00000188878	197	-0.37	0.14478
52	ENST00000587152	ENSG00000125746	805	-0.26	0.01434
52	ENST00000587230	ENSG00000104915	1612	0.20	0.01956
52	ENST00000587566	ENSG00000007047	705	-0.41	0.00096
52	ENST00000588183	ENSG00000167220	160	-0.30	0.33909
52	ENST00000588807	ENSG00000142444	336	0.12	0.54872
52	ENST00000589222	ENSG00000141376	406	-1.42	3.02E-25
52	ENST00000590646	ENSG00000133243	1910	-0.19	0.06455
52	ENST00000590800	ENSG00000184828	414	0.03	0.89730
52	ENST00000591040	ENSG00000176624	1071	0.07	0.56769
52	ENST00000591090	ENSG00000198356	1706	-0.08	0.41771
52	ENST00000591680	ENSG00000186566	2114	-0.12	0.09924
52	ENST00000592059	ENSG00000175354	690	-0.18	0.12312

52	ENST00000592554	ENSG00000108950	13	-2.15	NA
52	ENST00000592587	ENSG00000196605	33	-0.10	0.86158
52	ENST00000592772	ENSG00000118898	2646	0.55	1.72E-17
52	ENST00000592844	ENSG00000159917	160	-0.28	0.15293
52	ENST00000593209	ENSG00000167925	878	-0.01	0.95898
52	ENST00000593942	ENSG00000104883	35	-0.81	0.07954
52	ENST00000594473	ENSG00000178935	199	-0.07	0.79710
52	ENST00000595618	ENSG00000099331	3683	-0.58	3.61E-28
52	ENST00000595962	ENSG00000198464	653	-0.02	0.93422
52	ENST00000595981	ENSG00000198131	1502	-0.24	0.00418
52	ENST00000596559	ENSG00000198538	552	-0.02	0.89687
52	ENST00000597505	ENSG00000170959	5	-0.98	NA
52	ENST00000598205	ENSG00000105357	93	-1.87	1.35E-15
52	ENST00000599111	ENSG00000105499	29	-0.33	0.56947
52	ENST00000599564	ENSG00000089351	2286	-0.41	3.71E-10
52	ENST00000599612	ENSG00000254858	377	0.01	0.97673
52	ENST00000599761	ENSG00000074842	2689	0.19	0.07200
52	ENST00000600132	ENSG00000089847	11	-1.51	NA
52	ENST00000600404	ENSG00000121413	37	-1.30	0.00110
52	ENST00000601545	ENSG00000077312	1988	0.01	0.89827
52	ENST00000602017	ENSG00000230510	20	-0.08	0.93452
52	ENST00000602142	ENSG00000141968	46	0.26	0.57250
52	ENST00000602212	ENSG00000130751	19	-0.20	0.81486
52	ENST00000602389	ENSG00000148484	1116	-0.25	0.00332
52	ENST00000602402	ENSG00000102580	3158	0.27	1.37E-05
52	ENST00000602657	ENSG00000213523	1473	0.06	0.60484
52	ENST00000602925	ENSG00000137145	1992	-0.22	0.00820
52	ENST00000604030	ENSG00000109686	1970	-0.68	3.85E-31
52	ENST00000606868	ENSG00000146243	180	-0.43	0.03391
52	ENST00000606911	ENSG00000143337	2022	-0.09	0.34441
52	ENST00000606978	ENSG00000204929	5	-0.10	NA
52	ENST00000607016	ENSG00000272325	1604	-0.23	0.00104
52	ENST00000607062	ENSG00000138381	296	0.23	0.17670
52	ENST00000607772	ENSG00000153721	79	-0.35	0.31171
52	ENST00000607778	ENSG00000272047	278	0.17	0.42259
52	ENST00000607882	ENSG00000154710	120	-0.45	0.07123
52	ENST00000608621	ENSG00000285437	511	-1.30	5.99E-18
52	ENST00000608795	ENSG00000145391	5456	0.08	0.17835
52	ENST00000609672	ENSG00000147065	25911	0.23	7.93E-11
52	ENST00000609923	ENSG00000122912	651	-1.00	1.57E-17
52	ENST00000610020	ENSG00000122484	1204	-0.61	2.81E-10
52	ENST00000610213	ENSG00000272886	859	0.02	0.88351
52	ENST00000610401	ENSG00000157216	3647	-0.25	9.76E-06
52	ENST00000611205	ENSG00000100526	515	-0.04	0.84842
52	ENST00000611222	ENSG00000073169	1239	-0.17	0.18641
52	ENST00000611255	ENSG00000148655	65	-2.45	2.04E-17
52	ENST00000611266	ENSG00000091039	2778	-0.20	0.03121
52	ENST00000611394	ENSG00000186654	139	0.03	0.93477

52	ENST00000611625	ENSG00000039068	48	-0.04	0.94209
52	ENST00000611707	ENSG00000138678	118	-0.10	0.80610
52	ENST00000611745	ENSG00000177679	10	0.55	NA
52	ENST00000611820	ENSG00000147050	877	-0.24	0.00895
52	ENST00000611833	ENSG00000136098	142	-0.36	0.15205
52	ENST00000612156	ENSG00000153531	504	0.54	3.91E-07
52	ENST00000612323	ENSG00000089063	776	0.05	0.74447
52	ENST00000612363	ENSG00000233608	358	-0.40	0.01226
52	ENST00000612372	ENSG00000277149	140	-0.06	0.86029
52	ENST00000612482	ENSG00000198911	9666	-0.26	1.55E-06
52	ENST00000612708	ENSG00000079215	425	-0.31	0.01095
52	ENST00000612892	ENSG00000183671	372	-0.82	4.72E-08
52	ENST00000613205	ENSG00000137497	12569	0.15	0.00614
52	ENST00000613246	ENSG00000149177	4592	-0.32	1.80E-11
52	ENST00000613385	ENSG00000177576	43	-0.06	0.91826
52	ENST00000613533	ENSG00000049246	736	-0.11	0.30639
52	ENST00000613740	ENSG00000145242	603	0.53	2.89E-09
52	ENST00000613758	ENSG00000133678	215	-0.22	0.26376
52	ENST00000614467	ENSG00000112624	719	-0.60	9.85E-09
52	ENST00000614703	ENSG00000130340	2072	-0.04	0.61804
52	ENST00000614971	ENSG00000198862	1823	0.22	0.00604
52	ENST00000614987	ENSG00000100784	468	-0.49	6.68E-05
52	ENST00000615572	ENSG00000198874	916	-0.26	0.01699
52	ENST00000615670	ENSG00000275342	1225	-0.06	0.67754
52	ENST00000616199	ENSG00000277258	1081	0.22	0.01647
52	ENST00000616317	ENSG00000278540	8870	-0.31	2.62E-11
52	ENST00000616407	ENSG00000275052	2743	-0.13	0.06097
52	ENST00000616417	ENSG00000248905	266	0.14	0.49955
52	ENST00000616440	ENSG00000112186	431	-0.39	0.00356
52	ENST00000616661	ENSG00000162496	722	-0.11	0.32990
52	ENST00000616978	ENSG00000065923	431	0.23	0.12794
52	ENST00000616989	ENSG00000205309	54	-0.57	0.15159
52	ENST00000617190	ENSG00000132128	2355	-0.03	0.76484
52	ENST00000617270	ENSG00000080298	452	-0.42	0.00166
52	ENST00000617380	ENSG00000276547	39	-1.21	0.00679
52	ENST00000617388	ENSG00000163596	50	-0.83	0.00903
52	ENST00000617695	ENSG00000196569	17	0.50	0.53572
52	ENST00000617909	ENSG00000135315	588	-0.08	0.66043
52	ENST00000617928	ENSG00000273749	4718	-0.04	0.66655
52	ENST00000618024	ENSG00000274276	47	0.34	0.53720
52	ENST00000618043	ENSG00000103064	2970	-0.33	6.58E-08
52	ENST00000618250	ENSG00000171792	682	-0.09	0.50309
52	ENST00000618621	ENSG00000145012	5681	-0.43	1.23E-12
52	ENST00000618760	ENSG00000089250	3	-4.15	NA
52	ENST00000618828	ENSG00000204262	63	0.57	0.23182
52	ENST00000619168	ENSG00000183049	1218	-1.59	1.63E-92
52	ENST00000619416	ENSG00000100578	949	-0.20	0.03121
52	ENST00000619708	ENSG00000146233	22	-0.86	0.22510

52	ENST00000620074	ENSG00000104691	267	-0.06	0.81554
52	ENST00000620254	ENSG00000055163	6980	-0.68	1.16E-34
52	ENST00000620676	ENSG00000048707	4814	-0.44	2.24E-14
52	ENST00000620860	ENSG00000070785	579	-0.65	5.53E-10
52	ENST00000621158	ENSG00000157613	80	0.69	0.03520
52	ENST00000621161	ENSG00000131242	84	-0.62	0.03837
52	ENST00000621426	ENSG00000197183	544	0.03	0.86067
52	ENST00000621776	ENSG00000051341	1320	-0.04	0.79795
52	ENST00000623028	ENSG00000144560	1684	-0.18	0.00683
52	ENST00000623361	ENSG00000106012	1425	-0.19	0.05334
52	ENST00000624552	ENSG00000148357	7	0.54	NA
52	ENST00000624922	ENSG00000249715	3	-1.41	NA
52	ENST00000625464	ENSG00000156531	2298	-0.01	0.95380
52	ENST00000627121	ENSG00000196305	12618	0.12	0.01925
52	ENST00000627217	ENSG00000148737	1327	0.31	0.00113
52	ENST00000627851	ENSG00000197798	275	-0.06	0.76452
52	ENST00000628018	ENSG00000126247	4450	0.22	0.00012
52	ENST00000630626	ENSG00000141084	890	-0.09	0.47031
52	ENST00000631210	ENSG00000169057	2787	-0.10	0.18998
52	ENST00000631589	ENSG00000078403	1090	-0.17	0.12903
52	ENST00000633035	ENSG00000171988	2427	-0.04	0.74418
52	ENST00000633556	ENSG00000112297	40	-0.48	0.36473
52	ENST00000634499	ENSG00000021645	7	0.12	NA
52	ENST00000634606	ENSG00000172456	105	-0.29	0.34341
52	ENST00000634891	ENSG00000198838	2	3.50	NA
52	ENST00000635860	ENSG00000153930	14	0.88	NA
52	ENST00000636006	ENSG00000109265	509	-0.59	7.62E-08
52	ENST00000636203	ENSG00000189337	2893	-0.43	2.50E-12
52	ENST00000636395	ENSG00000129646	231	-0.17	0.42040
52	ENST00000636437	ENSG00000057663	815	-0.22	0.04645
52	ENST00000636580	ENSG00000182220	3300	0.09	0.27872
52	ENST00000636680	ENSG00000144642	574	-0.46	0.00023
52	ENST00000636792	ENSG00000125351	440	-0.07	0.74316
52	ENST00000637106	ENSG00000206538	704	0.24	0.04366
52	ENST00000637125	ENSG00000153179	1074	0.16	0.16069
52	ENST00000637215	ENSG00000048740	537	-0.02	0.91570
52	ENST00000637419	ENSG00000131149	3954	-0.32	1.99E-12
52	ENST00000637812	ENSG00000125386	1219	-0.20	0.04638
52	ENST00000637974	ENSG00000110395	1639	0.02	0.89768
52	ENST00000638048	ENSG00000138670	171	-0.26	0.27669
52	ENST00000638108	ENSG00000119922	343	0.42	0.00050
52	ENST00000638157	ENSG00000023171	2660	-0.35	5.11E-11
52	ENST00000638827	ENSG00000161551	3	0.23	NA
52	ENST00000640035	ENSG00000172748	49	-0.42	0.38919
52	ENST00000640723	ENSG00000108433	1268	0.03	0.78381
52	ENST00000640870	ENSG00000266173	274	-0.47	0.00438
52	ENST00000640961	ENSG00000109911	634	-0.55	3.49E-05
52	ENST00000641051	ENSG00000109339	6	-0.83	NA

52	ENST00000641206	ENSG00000140836	8328	0.04	0.43461
52	ENST00000641498	ENSG00000171848	5569	0.16	0.00329
52	ENST00000641499	ENSG00000164162	77	-0.10	0.82337
52	ENST00000641815	ENSG00000166900	721	-0.05	0.74283
52	ENST00000642050	ENSG00000131238	5805	0.15	0.00872
52	ENST00000642238	ENSG00000132849	867	-1.05	7.37E-38
52	ENST00000642610	ENSG00000284770	156	-0.11	0.76594
52	ENST00000642955	ENSG00000188517	4589	-0.97	3.09E-70
52	ENST00000643019	ENSG00000155974	5	-2.83	NA
52	ENST00000643051	ENSG00000125257	1348	-0.75	1.94E-22
52	ENST00000643750	ENSG00000165475	62	-0.65	0.02942
52	ENST00000644049	ENSG00000151572	346	-0.37	0.00944
52	ENST00000644123	ENSG00000111203	787	-0.53	3.09E-07
52	ENST00000644347	ENSG00000147044	1355	-0.56	1.31E-14
52	ENST00000644362	ENSG00000102144	21399	-0.05	0.48060
52	ENST00000644474	ENSG00000109756	1705	-0.09	0.22271
52	ENST00000644917	ENSG00000070182	19	-0.67	0.32272
52	ENST00000644968	ENSG00000120278	433	-0.31	0.03110
52	ENST00000644978	ENSG00000138411	332	-0.48	0.00027
52	ENST00000645030	ENSG00000172965	1597	-0.07	0.76083
52	ENST00000645214	ENSG00000119537	2732	0.07	0.35148
52	ENST00000645463	ENSG00000253438	24	-2.51	1.15E-08
52	ENST00000645527	ENSG00000137710	7754	-0.12	0.08028
52	ENST00000645559	ENSG00000106546	1284	0.22	0.00556
52	ENST00000645624	ENSG00000127990	1033	0.12	0.31912
52	ENST00000645843	ENSG00000164074	355	-0.41	0.00145
52	ENST00000645955	ENSG00000136104	819	-0.09	0.47333
52	ENST00000646273	ENSG00000134532	13	-1.59	NA
52	ENST00000646379	ENSG00000157087	3	-1.78	NA
52	ENST00000646673	ENSG00000101347	1385	0.03	0.82548
52	ENST00000646827	ENSG00000276045	425	0.02	0.95186
52	ENST00000646918	ENSG00000151491	1083	0.05	0.63399
52	ENST00000647161	ENSG00000066427	541	-0.26	0.06091
52	ENST00000647561	ENSG00000167792	3810	0.04	0.63425
52	ENST00000647814	ENSG00000023839	45	-0.36	0.46217
52	ENST00000648300	ENSG00000074416	3512	0.05	0.54348
52	ENST00000648336	ENSG00000114062	3521	0.12	0.08779
52	ENST00000648377	ENSG00000183722	229	-0.43	0.02099
52	ENST00000648566	ENSG00000142867	557	0.09	0.53912
52	ENST00000648580	ENSG00000145982	358	-0.51	2.11E-05
52	ENST00000648638	ENSG00000054118	7269	0.06	0.40381
52	ENST00000648702	ENSG00000173436	183	-0.02	0.95140
52	ENST00000648725	ENSG00000156650	1009	-0.06	0.63378
52	ENST00000648797	ENSG00000187210	312	0.50	0.00061
52	ENST00000648894	ENSG00000112245	308	-0.39	0.04573
52	ENST00000648908	ENSG00000081923	256	-0.18	0.38892
52	ENST00000648947	ENSG00000128908	2545	-0.16	0.00694
52	ENST00000648948	ENSG00000167632	1175	-0.98	2.44E-33

52	ENST00000649046	ENSG00000081479	2	-1.25	NA
52	ENST00000649217	ENSG00000172175	787	0.06	0.67734
52	ENST00000649310	ENSG00000093072	27	-0.73	0.13437
52	ENST00000649501	ENSG00000185513	145	-0.46	0.07579
52	ENST00000649528	ENSG00000114861	1735	0.13	0.24271
52	ENST00000649564	ENSG00000183287	5	-0.80	NA
52	ENST00000649704	ENSG00000151611	87	-0.08	0.84834
52	ENST00000649788	ENSG00000124786	238	-0.41	0.00928
52	ENST00000649792	ENSG00000175356	12	0.33	NA
52	ENST00000649812	ENSG00000117298	11850	-0.22	3.43E-05
52	ENST00000650167	ENSG00000060749	5829	-0.11	0.15696
52	ENST00000650311	ENSG00000156795	303	-0.33	0.05419
52	ENST00000650688	ENSG00000140941	2342	0.17	0.02106
52	ENST00000650759	ENSG00000231527	120	-0.72	0.00321
52	ENST00000650836	ENSG00000165097	646	-0.19	0.10957
52	ENST00000651028	ENSG00000174428	121	-1.01	9.51E-07
52	ENST00000651092	ENSG00000099204	9205	-0.07	0.19662
52	ENST00000651154	ENSG00000166923	1155	-0.44	1.92E-12
52	ENST00000651184	ENSG00000159871	15	0.76	NA
52	ENST00000651260	ENSG00000168491	4	0.23	NA
52	ENST00000651335	ENSG00000157168	126	0.09	0.76351
52	ENST00000651364	ENSG00000160908	789	0.03	0.84884
52	ENST00000651372	ENSG00000091656	144	-0.43	0.02374
52	ENST00000651487	ENSG00000183150	24	-0.62	0.39902
52	ENST00000651500	ENSG00000196290	1137	-0.03	0.80779
52	ENST00000651532	ENSG00000151466	625	-0.19	0.12559
52	ENST00000651721	ENSG00000065150	14393	0.03	0.73291
52	ENST00000651865	ENSG00000140694	1613	-0.36	5.19E-08
52	ENST00000651925	ENSG00000286112	7	-0.86	NA
52	ENST00000651950	ENSG00000160563	894	-0.23	0.04574
52	ENST00000651989	ENSG00000033122	22	-0.18	0.81966
52	ENST00000652042	ENSG00000129347	1354	0.07	0.56389
52	ENST00000652176	ENSG00000151746	1372	-0.61	4.99E-16
52	ENST00000652263	ENSG00000131409	22	-0.97	0.09246
52	ENST00000652315	ENSG00000088387	1790	-0.20	0.01002
52	ENST00000652361	ENSG00000176928	34	0.05	0.94977
52	ENST00000652388	ENSG00000138614	1536	0.10	0.20796
52	ENST00000652598	ENSG00000175854	688	0.05	0.76748
52	ENST00000654031	ENSG00000285533	34	-0.33	0.60995
52	ENST00000654597	ENSG00000160808	4	-0.98	NA
52	ENST00000655425	ENSG00000130021	428	-0.36	0.00332
52	ENST00000656437	ENSG00000142599	2989	-0.30	0.00057
52	ENST00000657597	ENSG00000186409	31	-0.42	0.43721
52	ENST00000658286	ENSG00000253704	7	-0.48	NA
52	ENST00000659705	ENSG00000163681	2260	-0.49	2.47E-17
52	ENST00000661030	ENSG00000162618	2	0.44	NA
52	ENST00000661493	ENSG00000245694	387	0.01	0.95186
52	ENST00000662716	ENSG00000055130	2008	0.01	0.91502

52	ENST00000663578	ENSG00000246273	201	0.04	0.88335
52	ENST00000664783	ENSG00000107829	404	0.04	0.87533
52	ENST00000664864	ENSG00000141837	10	-1.52	NA
52	ENST00000665637	ENSG00000136237	6	-0.91	NA
52	ENST00000668452	ENSG00000188385	34	0.27	0.65788
52	ENST00000671377	ENSG00000140948	2965	-0.03	0.76489
52	ENST00000671701	ENSG00000138190	415	-0.10	0.60231
52	ENST00000671730	ENSG00000156671	756	-0.15	0.18735
52	ENST00000672097	ENSG00000157399	13	0.35	NA
52	ENST00000672498	ENSG00000126522	419	-0.13	0.43454
52	ENST00000672621	ENSG00000134343	46	2.69	1.00E-11
52	ENST00000672742	ENSG00000177084	5944	-0.22	3.01E-05
52	ENST00000672902	ENSG00000112541	8101	-0.38	0.00022
52	ENST00000672937	ENSG00000123505	3171	-0.02	0.86125
52	ENST00000672955	ENSG00000145362	29	-0.39	0.49864
52	ENST00000672957	ENSG00000138303	759	-0.27	0.00611
52	ENST00000673317	ENSG00000100478	162	-0.47	0.03656
52	ENST00000673352	ENSG00000156110	878	-1.32	8.73E-51
52	ENST00000673384	ENSG00000169126	115	-0.25	0.45387
52	ENST00000673740	ENSG00000265590	97	-0.23	0.54669
52	ENST00000673785	ENSG00000001626	20	-0.61	0.37173
52	ENST00000673968	ENSG00000198728	1293	0.29	0.00035
52	ENST00000674117	ENSG00000099139	17	-0.81	0.23161
52	ENST00000674197	ENSG00000165868	705	-0.14	0.23182
52	ENST00000674214	ENSG00000168259	2251	0.13	0.17404
52	ENST00000674284	ENSG00000120458	228	-0.10	0.67677
52	ENST00000674370	ENSG00000152133	551	0.14	0.25989
52	ENST00000674405	ENSG00000140263	2215	0.00	0.97509

Supplementary Table 11 lists all genes that were targeted by ASO 52 and RNA-seq data was available. The transcript ID is given together with the ENSEMBL gene ID. Mean expression, log2 fold change and the adjusted p-value (padj) were calculated using DESeq2. *IDO1* (ENSG00000131203) is marked in bold.