

Probeset ID	Antisense Gene	Spearman Correlation	P-val	Bonferroni-sdjusted P-val
3715516	ENSG000000004142	-0.11	1.45E-01	1.00E+00
3715518	ENSG000000004142	0.14	6.79E-02	1.00E+00
3715520	ENSG000000004142	0.25	7.19E-04	1.00E+00
3715522	ENSG000000004142	0.13	9.64E-02	1.00E+00
3715530	ENSG000000004142	-0.20	8.10E-03	1.00E+00
2781695	ENSG000000005059	0.64	2.50E-21	7.48E-18
2781710	ENSG000000005059	-0.59	1.51E-17	4.51E-14
2781696	ENSG000000005059	0.49	4.43E-12	1.32E-08
2781697	ENSG000000005059	0.03	6.91E-01	1.00E+00
2781702	ENSG000000005059	-0.18	1.47E-02	1.00E+00
3016796	ENSG000000005075	-0.56	6.94E-16	2.08E-12
3016812	ENSG000000005075	0.50	1.69E-12	5.06E-09
3016799	ENSG000000005075	0.50	1.76E-12	5.27E-09
3016809	ENSG000000005075	0.48	1.36E-11	4.07E-08
3016813	ENSG000000005075	-0.44	9.66E-10	2.89E-06
3016800	ENSG000000005075	0.43	2.86E-09	8.55E-06
3016797	ENSG000000005075	-0.31	3.59E-05	1.08E-01
3016811	ENSG000000005075	-0.29	1.09E-04	3.25E-01
3016803	ENSG000000005075	-0.07	3.83E-01	1.00E+00
3016810	ENSG000000005075	0.03	6.47E-01	1.00E+00
3016816	ENSG000000005075	-0.05	4.84E-01	1.00E+00
3016817	ENSG000000005075	0.22	2.99E-03	1.00E+00
3662725	ENSG000000005194	-0.56	1.21E-15	3.63E-12
3662747	ENSG000000005194	0.48	1.61E-11	4.82E-08
3662746	ENSG000000005194	0.31	3.06E-05	9.16E-02
3662729	ENSG000000005194	0.09	2.62E-01	1.00E+00
3662730	ENSG000000005194	-0.12	1.18E-01	1.00E+00
3662734	ENSG000000005194	-0.05	5.05E-01	1.00E+00
3662735	ENSG000000005194	0.04	5.67E-01	1.00E+00
3662738	ENSG000000005194	0.03	7.03E-01	1.00E+00
3662740	ENSG000000005194	0.04	6.12E-01	1.00E+00
3662742	ENSG000000005194	-0.17	2.31E-02	1.00E+00
3060269	ENSG000000006634	-0.67	2.11E-24	6.32E-21
3060261	ENSG000000006634	0.60	2.77E-18	8.29E-15
3060272	ENSG000000006634	0.55	1.43E-15	4.28E-12
3060250	ENSG000000006634	-0.47	2.75E-11	8.22E-08
3060260	ENSG000000006634	-0.36	1.08E-06	3.24E-03
3060271	ENSG000000006634	-0.33	6.06E-06	1.82E-02
3060262	ENSG000000006634	0.28	1.96E-04	5.88E-01
3060258	ENSG000000006634	0.25	8.07E-04	1.00E+00
3127704	ENSG000000008853	0.03	6.80E-01	1.00E+00
3127705	ENSG000000008853	0.05	4.85E-01	1.00E+00
3127706	ENSG000000008853	0.06	3.93E-01	1.00E+00
3127707	ENSG000000008853	0.04	6.26E-01	1.00E+00
3127708	ENSG000000008853	0.00	9.61E-01	1.00E+00

3127709	ENSG000000008853	-0.02	8.01E-01	1.00E+00
3127711	ENSG000000008853	-0.08	2.63E-01	1.00E+00
3127712	ENSG000000008853	-0.01	9.23E-01	1.00E+00
3127713	ENSG000000008853	0.07	3.78E-01	1.00E+00
3127714	ENSG000000008853	-0.08	2.94E-01	1.00E+00
3127716	ENSG000000008853	-0.10	1.98E-01	1.00E+00
3127719	ENSG000000008853	0.04	5.68E-01	1.00E+00
3127720	ENSG000000008853	-0.05	5.06E-01	1.00E+00
3127721	ENSG000000008853	0.03	6.82E-01	1.00E+00
3127723	ENSG000000008853	0.16	3.56E-02	1.00E+00
3127729	ENSG000000008853	0.06	3.96E-01	1.00E+00
3127730	ENSG000000008853	-0.11	1.61E-01	1.00E+00
3127731	ENSG000000008853	-0.08	3.17E-01	1.00E+00
3260432	ENSG000000014919	-0.33	8.48E-06	2.54E-02
3260433	ENSG000000014919	0.28	1.80E-04	5.39E-01
3260425	ENSG000000014919	0.05	5.18E-01	1.00E+00
3260429	ENSG000000014919	0.14	6.64E-02	1.00E+00
3260430	ENSG000000014919	0.08	3.18E-01	1.00E+00
3260431	ENSG000000014919	-0.12	1.22E-01	1.00E+00
2554485	ENSG000000028116	-0.42	1.01E-08	3.02E-05
2554474	ENSG000000028116	0.31	2.17E-05	6.51E-02
2554483	ENSG000000028116	0.29	1.09E-04	3.27E-01
2554462	ENSG000000028116	0.15	4.97E-02	1.00E+00
2554468	ENSG000000028116	-0.04	6.38E-01	1.00E+00
2554473	ENSG000000028116	-0.24	1.65E-03	1.00E+00
2554484	ENSG000000028116	-0.02	7.96E-01	1.00E+00
2554487	ENSG000000028116	-0.20	7.20E-03	1.00E+00
3678569	ENSG000000033011	-0.41	1.08E-08	3.23E-05
3678567	ENSG000000033011	0.13	8.49E-02	1.00E+00
3678568	ENSG000000033011	0.26	5.20E-04	1.00E+00
3678575	ENSG000000033011	0.12	1.03E-01	1.00E+00
3904959	ENSG000000053438	0.36	7.62E-07	2.28E-03
3904945	ENSG000000053438	-0.25	7.14E-04	1.00E+00
3904946	ENSG000000053438	-0.09	2.17E-01	1.00E+00
3904947	ENSG000000053438	-0.12	1.06E-01	1.00E+00
3904948	ENSG000000053438	-0.02	8.21E-01	1.00E+00
3904949	ENSG000000053438	0.09	2.38E-01	1.00E+00
3408970	ENSG000000064115	-0.41	1.83E-08	5.48E-05
3408969	ENSG000000064115	-0.14	6.96E-02	1.00E+00
3408975	ENSG000000064115	0.00	9.76E-01	1.00E+00
3408977	ENSG000000064115	-0.15	4.48E-02	1.00E+00
3408978	ENSG000000064115	0.22	3.80E-03	1.00E+00
3408986	ENSG000000064115	0.09	2.33E-01	1.00E+00
3408987	ENSG000000064115	0.09	2.12E-01	1.00E+00
3408988	ENSG000000064115	0.19	1.20E-02	1.00E+00
3408990	ENSG000000064115	-0.06	4.22E-01	1.00E+00
2333156	ENSG000000066322	-0.60	2.41E-18	7.23E-15
2333151	ENSG000000066322	0.49	3.88E-12	1.16E-08
2333138	ENSG000000066322	-0.45	3.21E-10	9.60E-07

2333149	ENSG00000066322	0.43	2.89E-09	8.66E-06
2333159	ENSG00000066322	-0.42	4.83E-09	1.45E-05
2333150	ENSG00000066322	0.34	3.11E-06	9.32E-03
2333155	ENSG00000066322	0.33	6.31E-06	1.89E-02
2333144	ENSG00000066322	0.30	4.93E-05	1.48E-01
2333140	ENSG00000066322	-0.06	4.62E-01	1.00E+00
2333142	ENSG00000066322	0.17	2.07E-02	1.00E+00
2333148	ENSG00000066322	0.12	1.05E-01	1.00E+00
2333152	ENSG00000066322	-0.08	2.98E-01	1.00E+00
2333158	ENSG00000066322	0.17	2.18E-02	1.00E+00
2333160	ENSG00000066322	-0.15	5.02E-02	1.00E+00
3995984	ENSG00000067829	0.42	8.68E-09	2.60E-05
3995992	ENSG00000067829	0.37	5.83E-07	1.74E-03
3995995	ENSG00000067829	-0.35	2.56E-06	7.67E-03
3995994	ENSG00000067829	0.34	4.11E-06	1.23E-02
3995988	ENSG00000067829	-0.31	2.95E-05	8.82E-02
3995990	ENSG00000067829	-0.28	1.76E-04	5.27E-01
3995980	ENSG00000067829	0.11	1.65E-01	1.00E+00
3995983	ENSG00000067829	0.18	1.59E-02	1.00E+00
3995985	ENSG00000067829	0.11	1.37E-01	1.00E+00
3995987	ENSG00000067829	-0.26	5.58E-04	1.00E+00
3995996	ENSG00000067829	0.20	7.80E-03	1.00E+00
3995999	ENSG00000067829	0.23	2.36E-03	1.00E+00
3996002	ENSG00000067829	-0.27	3.75E-04	1.00E+00
3996003	ENSG00000067829	0.18	1.93E-02	1.00E+00
2660690	ENSG00000072756	-0.61	2.42E-19	7.25E-16
2660662	ENSG00000072756	-0.47	4.41E-11	1.32E-07
2660685	ENSG00000072756	0.46	1.86E-10	5.57E-07
2660656	ENSG00000072756	0.41	1.63E-08	4.89E-05
2660687	ENSG00000072756	-0.38	2.00E-07	5.99E-04
2660671	ENSG00000072756	0.37	3.55E-07	1.06E-03
2660686	ENSG00000072756	0.30	5.36E-05	1.60E-01
2660657	ENSG00000072756	0.17	2.07E-02	1.00E+00
2660666	ENSG00000072756	0.22	3.94E-03	1.00E+00
3011456	ENSG00000075303	-0.74	1.14E-31	3.42E-28
3011473	ENSG00000075303	0.60	6.82E-19	2.04E-15
3011466	ENSG00000075303	-0.52	1.65E-13	4.93E-10
3011470	ENSG00000075303	-0.51	2.78E-13	8.33E-10
3011471	ENSG00000075303	0.35	1.56E-06	4.68E-03
3011460	ENSG00000075303	0.35	2.18E-06	6.51E-03
3011467	ENSG00000075303	0.33	8.19E-06	2.45E-02
3011459	ENSG00000075303	0.12	1.12E-01	1.00E+00
3011462	ENSG00000075303	0.10	1.75E-01	1.00E+00
3011463	ENSG00000075303	0.04	5.75E-01	1.00E+00
3011464	ENSG00000075303	-0.01	9.30E-01	1.00E+00
3011472	ENSG00000075303	-0.13	8.56E-02	1.00E+00
3011474	ENSG00000075303	0.26	5.93E-04	1.00E+00
3883501	ENSG00000078872	-0.37	3.95E-07	1.18E-03
3883507	ENSG00000078872	0.32	1.93E-05	5.78E-02

3883508	ENSG00000078872	0.28	2.11E-04	6.31E-01
3883504	ENSG00000078872	0.16	3.81E-02	1.00E+00
3131890	ENSG00000085788	-0.45	3.35E-10	1.00E-06
3131897	ENSG00000085788	-0.45	3.82E-10	1.14E-06
3131882	ENSG00000085788	0.44	1.44E-09	4.32E-06
3131903	ENSG00000085788	0.30	5.03E-05	1.51E-01
3131888	ENSG00000085788	-0.06	4.01E-01	1.00E+00
3131889	ENSG00000085788	0.12	1.18E-01	1.00E+00
3131894	ENSG00000085788	0.06	4.24E-01	1.00E+00
3131898	ENSG00000085788	0.27	3.55E-04	1.00E+00
3693207	ENSG00000088682	-0.47	3.19E-11	9.56E-08
3693199	ENSG00000088682	0.30	4.10E-05	1.23E-01
3693187	ENSG00000088682	-0.13	9.10E-02	1.00E+00
3693188	ENSG00000088682	0.19	9.61E-03	1.00E+00
3693191	ENSG00000088682	0.18	1.90E-02	1.00E+00
3693198	ENSG00000088682	-0.10	1.66E-01	1.00E+00
3693200	ENSG00000088682	0.01	8.69E-01	1.00E+00
3693201	ENSG00000088682	0.11	1.44E-01	1.00E+00
3693203	ENSG00000088682	-0.02	7.62E-01	1.00E+00
3540103	ENSG00000089775	0.35	1.80E-06	5.38E-03
3540094	ENSG00000089775	0.16	3.00E-02	1.00E+00
3540096	ENSG00000089775	-0.26	5.21E-04	1.00E+00
3540098	ENSG00000089775	-0.16	3.36E-02	1.00E+00
3540099	ENSG00000089775	0.16	2.90E-02	1.00E+00
3540101	ENSG00000089775	-0.18	1.80E-02	1.00E+00
3540102	ENSG00000089775	-0.07	3.74E-01	1.00E+00
3540104	ENSG00000089775	-0.26	4.94E-04	1.00E+00
3540105	ENSG00000089775	0.14	6.51E-02	1.00E+00
3540106	ENSG00000089775	-0.21	4.47E-03	1.00E+00
3540117	ENSG00000089775	0.25	7.64E-04	1.00E+00
2695963	ENSG00000091527	-0.48	2.43E-11	7.27E-08
2695959	ENSG00000091527	-0.45	5.31E-10	1.59E-06
2695986	ENSG00000091527	-0.41	1.97E-08	5.90E-05
2696005	ENSG00000091527	-0.35	1.63E-06	4.87E-03
2695988	ENSG00000091527	0.35	2.34E-06	6.99E-03
2695983	ENSG00000091527	-0.33	6.15E-06	1.84E-02
2695962	ENSG00000091527	0.33	7.83E-06	2.34E-02
2695991	ENSG00000091527	0.33	9.15E-06	2.74E-02
2695973	ENSG00000091527	0.29	9.17E-05	2.74E-01
2695949	ENSG00000091527	0.20	8.98E-03	1.00E+00
2695956	ENSG00000091527	0.18	1.66E-02	1.00E+00
2695957	ENSG00000091527	-0.22	3.07E-03	1.00E+00
2695961	ENSG00000091527	0.03	6.45E-01	1.00E+00
2695964	ENSG00000091527	-0.21	5.96E-03	1.00E+00
2695967	ENSG00000091527	0.23	2.21E-03	1.00E+00
2695970	ENSG00000091527	-0.01	8.89E-01	1.00E+00
2695971	ENSG00000091527	0.06	4.10E-01	1.00E+00
2695975	ENSG00000091527	-0.05	5.50E-01	1.00E+00
2695976	ENSG00000091527	-0.05	5.21E-01	1.00E+00

2695978	ENSG000000091527	0.04	5.87E-01	1.00E+00
2695979	ENSG000000091527	-0.26	3.95E-04	1.00E+00
2695982	ENSG000000091527	-0.11	1.31E-01	1.00E+00
2695984	ENSG000000091527	-0.03	6.52E-01	1.00E+00
2695985	ENSG000000091527	0.13	8.08E-02	1.00E+00
2695987	ENSG000000091527	0.13	8.04E-02	1.00E+00
2695992	ENSG000000091527	0.24	1.10E-03	1.00E+00
2695993	ENSG000000091527	0.10	1.74E-01	1.00E+00
2695996	ENSG000000091527	-0.21	5.69E-03	1.00E+00
2695998	ENSG000000091527	-0.19	1.34E-02	1.00E+00
2695999	ENSG000000091527	-0.26	3.95E-04	1.00E+00
2696000	ENSG000000091527	0.01	9.42E-01	1.00E+00
2696002	ENSG000000091527	0.03	7.26E-01	1.00E+00
3556429	ENSG000000092203	0.43	1.90E-09	5.70E-06
3556445	ENSG000000092203	-0.39	6.04E-08	1.81E-04
3556428	ENSG000000092203	0.39	7.86E-08	2.35E-04
3556426	ENSG000000092203	-0.38	2.27E-07	6.81E-04
3556452	ENSG000000092203	-0.35	1.66E-06	4.96E-03
3556424	ENSG000000092203	0.30	4.24E-05	1.27E-01
3556434	ENSG000000092203	0.02	8.06E-01	1.00E+00
3556437	ENSG000000092203	-0.17	2.10E-02	1.00E+00
3556439	ENSG000000092203	0.21	5.60E-03	1.00E+00
3556443	ENSG000000092203	-0.06	4.26E-01	1.00E+00
3556444	ENSG000000092203	-0.03	7.05E-01	1.00E+00
3556447	ENSG000000092203	-0.14	6.32E-02	1.00E+00
3556450	ENSG000000092203	-0.18	1.72E-02	1.00E+00
3556451	ENSG000000092203	-0.12	1.11E-01	1.00E+00
2830648	ENSG000000094880	0.71	8.30E-28	2.49E-24
2830643	ENSG000000094880	-0.57	7.46E-17	2.23E-13
2830657	ENSG000000094880	-0.44	1.40E-09	4.20E-06
2830649	ENSG000000094880	0.41	1.58E-08	4.72E-05
2830665	ENSG000000094880	0.41	2.26E-08	6.78E-05
2830664	ENSG000000094880	0.34	4.21E-06	1.26E-02
2830662	ENSG000000094880	-0.28	1.58E-04	4.74E-01
2830652	ENSG000000094880	-0.28	2.11E-04	6.33E-01
2830645	ENSG000000094880	0.05	5.07E-01	1.00E+00
2830651	ENSG000000094880	0.17	2.48E-02	1.00E+00
2830654	ENSG000000094880	0.15	4.46E-02	1.00E+00
2830655	ENSG000000094880	-0.14	5.67E-02	1.00E+00
2830658	ENSG000000094880	-0.14	7.21E-02	1.00E+00
2830660	ENSG000000094880	-0.03	7.14E-01	1.00E+00
3217162	ENSG000000095380	-0.39	8.00E-08	2.39E-04
3217132	ENSG000000095380	-0.16	3.97E-02	1.00E+00
3217133	ENSG000000095380	0.11	1.41E-01	1.00E+00
3217134	ENSG000000095380	0.08	2.85E-01	1.00E+00
3217135	ENSG000000095380	-0.04	5.86E-01	1.00E+00
3217136	ENSG000000095380	0.11	1.30E-01	1.00E+00
3217138	ENSG000000095380	0.19	1.23E-02	1.00E+00
3217139	ENSG000000095380	0.05	5.33E-01	1.00E+00

3217143	ENSG00000095380	-0.22	3.52E-03	1.00E+00
3217147	ENSG00000095380	-0.18	1.49E-02	1.00E+00
3217149	ENSG00000095380	0.10	1.96E-01	1.00E+00
3217150	ENSG00000095380	0.06	4.15E-01	1.00E+00
3217151	ENSG00000095380	0.12	1.24E-01	1.00E+00
3217156	ENSG00000095380	-0.02	8.25E-01	1.00E+00
3217161	ENSG00000095380	0.07	3.26E-01	1.00E+00
3845692	ENSG00000099840	0.51	3.00E-13	8.98E-10
3845689	ENSG00000099840	-0.46	8.88E-11	2.66E-07
3845693	ENSG00000099840	-0.41	1.45E-08	4.34E-05
3845701	ENSG00000099840	-0.35	1.56E-06	4.66E-03
3845707	ENSG00000099840	0.29	1.24E-04	3.71E-01
3845687	ENSG00000099840	0.06	4.21E-01	1.00E+00
3845688	ENSG00000099840	0.12	1.15E-01	1.00E+00
3845690	ENSG00000099840	-0.06	4.42E-01	1.00E+00
3845697	ENSG00000099840	-0.25	7.59E-04	1.00E+00
3845698	ENSG00000099840	-0.19	1.26E-02	1.00E+00
3845706	ENSG00000099840	-0.18	1.55E-02	1.00E+00
3954924	ENSG00000099956	-0.51	4.20E-13	1.26E-09
3954922	ENSG00000099956	0.40	5.47E-08	1.64E-04
3954925	ENSG00000099956	0.33	7.86E-06	2.35E-02
3954916	ENSG00000099956	0.15	5.12E-02	1.00E+00
3954927	ENSG00000099956	-0.24	1.09E-03	1.00E+00
3954928	ENSG00000099956	0.13	8.20E-02	1.00E+00
3954931	ENSG00000099956	0.17	2.24E-02	1.00E+00
3954932	ENSG00000099956	-0.06	4.29E-01	1.00E+00
3954933	ENSG00000099956	0.18	1.61E-02	1.00E+00
3939405	ENSG00000099958	0.45	3.55E-10	1.06E-06
3939399	ENSG00000099958	0.42	7.65E-09	2.29E-05
3939382	ENSG00000099958	-0.36	6.95E-07	2.08E-03
3939403	ENSG00000099958	0.31	3.10E-05	9.28E-02
3939384	ENSG00000099958	-0.28	1.95E-04	5.85E-01
3939378	ENSG00000099958	-0.23	2.13E-03	1.00E+00
3939379	ENSG00000099958	-0.23	2.46E-03	1.00E+00
3939383	ENSG00000099958	-0.25	7.38E-04	1.00E+00
3939388	ENSG00000099958	0.00	9.84E-01	1.00E+00
3939389	ENSG00000099958	0.14	6.33E-02	1.00E+00
3939397	ENSG00000099958	0.21	4.50E-03	1.00E+00
3939406	ENSG00000099958	0.21	4.57E-03	1.00E+00
3960202	ENSG00000100092	0.30	6.40E-05	1.92E-01
3960195	ENSG00000100092	-0.30	6.43E-05	1.92E-01
3955900	ENSG00000100104	-0.50	2.25E-12	6.74E-09
3955902	ENSG00000100104	0.43	4.07E-09	1.22E-05
3955896	ENSG00000100104	-0.39	6.47E-08	1.94E-04
3955892	ENSG00000100104	0.32	1.59E-05	4.75E-02
3955881	ENSG00000100104	-0.22	4.06E-03	1.00E+00
3955883	ENSG00000100104	0.05	5.03E-01	1.00E+00
3955886	ENSG00000100104	0.18	1.58E-02	1.00E+00
3955890	ENSG00000100104	0.02	7.69E-01	1.00E+00

3955893	ENSG000000100104	0.13	7.77E-02	1.00E+00
3955894	ENSG000000100104	0.05	5.22E-01	1.00E+00
3955895	ENSG000000100104	-0.22	4.16E-03	1.00E+00
3955898	ENSG000000100104	-0.04	6.30E-01	1.00E+00
3955899	ENSG000000100104	0.17	2.85E-02	1.00E+00
3955901	ENSG000000100104	0.13	8.42E-02	1.00E+00
3941026	ENSG000000100109	0.41	1.32E-08	3.95E-05
3941013	ENSG000000100109	-0.34	4.27E-06	1.28E-02
3941014	ENSG000000100109	-0.08	3.21E-01	1.00E+00
3941015	ENSG000000100109	0.14	5.83E-02	1.00E+00
3941018	ENSG000000100109	0.09	2.56E-01	1.00E+00
3941019	ENSG000000100109	-0.08	2.80E-01	1.00E+00
3941022	ENSG000000100109	0.21	4.36E-03	1.00E+00
3961994	ENSG000000100412	-0.41	1.06E-08	3.17E-05
3961991	ENSG000000100412	0.34	3.22E-06	9.64E-03
3961984	ENSG000000100412	0.32	1.51E-05	4.52E-02
3961983	ENSG000000100412	0.10	1.99E-01	1.00E+00
3961989	ENSG000000100412	-0.11	1.37E-01	1.00E+00
3946926	ENSG000000100413	-0.44	1.55E-09	4.63E-06
3946930	ENSG000000100413	-0.36	1.29E-06	3.85E-03
3946899	ENSG000000100413	0.31	3.84E-05	1.15E-01
3946918	ENSG000000100413	0.27	2.66E-04	7.96E-01
3946898	ENSG000000100413	0.15	4.32E-02	1.00E+00
3946901	ENSG000000100413	-0.02	7.51E-01	1.00E+00
3946904	ENSG000000100413	0.00	9.94E-01	1.00E+00
3946905	ENSG000000100413	-0.06	4.54E-01	1.00E+00
3946908	ENSG000000100413	-0.26	4.60E-04	1.00E+00
3946909	ENSG000000100413	0.09	2.50E-01	1.00E+00
3946911	ENSG000000100413	-0.04	5.63E-01	1.00E+00
3946920	ENSG000000100413	-0.08	2.92E-01	1.00E+00
3946921	ENSG000000100413	-0.16	3.61E-02	1.00E+00
3946922	ENSG000000100413	0.15	4.37E-02	1.00E+00
3946923	ENSG000000100413	0.19	1.29E-02	1.00E+00
3946928	ENSG000000100413	0.02	8.05E-01	1.00E+00
3946929	ENSG000000100413	0.00	9.72E-01	1.00E+00
3946931	ENSG000000100413	-0.03	7.09E-01	1.00E+00
3946932	ENSG000000100413	-0.08	3.15E-01	1.00E+00
3946933	ENSG000000100413	-0.02	7.84E-01	1.00E+00
3558293	ENSG000000100441	-0.20	9.46E-03	1.00E+00
3558294	ENSG000000100441	-0.10	2.10E-01	1.00E+00
3558295	ENSG000000100441	-0.01	8.64E-01	1.00E+00
3558296	ENSG000000100441	0.08	3.09E-01	1.00E+00
3558299	ENSG000000100441	-0.04	6.39E-01	1.00E+00
3558305	ENSG000000100441	0.17	2.27E-02	1.00E+00
3530007	ENSG000000100445	-0.11	1.31E-01	1.00E+00
3530017	ENSG000000100445	-0.20	7.24E-03	1.00E+00
3530018	ENSG000000100445	-0.20	6.44E-03	1.00E+00
3530020	ENSG000000100445	0.24	1.64E-03	1.00E+00
3530021	ENSG000000100445	0.21	5.77E-03	1.00E+00

3530025	ENSG00000100445	0.17	2.41E-02	1.00E+00
3530028	ENSG00000100445	-0.02	7.73E-01	1.00E+00
3529000	ENSG00000100813	-0.37	5.94E-07	1.78E-03
3528999	ENSG00000100813	0.20	8.22E-03	1.00E+00
3529001	ENSG00000100813	-0.01	9.45E-01	1.00E+00
3529002	ENSG00000100813	0.08	2.92E-01	1.00E+00
3557854	ENSG00000100918	0.04	5.65E-01	1.00E+00
3557855	ENSG00000100918	-0.04	5.55E-01	1.00E+00
3557856	ENSG00000100918	-0.02	7.44E-01	1.00E+00
3557857	ENSG00000100918	0.05	5.52E-01	1.00E+00
3557858	ENSG00000100918	-0.11	1.45E-01	1.00E+00
3557859	ENSG00000100918	-0.20	8.10E-03	1.00E+00
3557860	ENSG00000100918	-0.01	8.80E-01	1.00E+00
3557861	ENSG00000100918	0.07	3.64E-01	1.00E+00
3557864	ENSG00000100918	-0.12	1.18E-01	1.00E+00
3557866	ENSG00000100918	-0.04	6.37E-01	1.00E+00
3557867	ENSG00000100918	-0.05	5.29E-01	1.00E+00
3557868	ENSG00000100918	0.08	2.75E-01	1.00E+00
3557870	ENSG00000100918	0.02	7.79E-01	1.00E+00
3557871	ENSG00000100918	0.00	9.60E-01	1.00E+00
3557872	ENSG00000100918	0.15	5.07E-02	1.00E+00
3557873	ENSG00000100918	0.07	3.55E-01	1.00E+00
3557876	ENSG00000100918	-0.11	1.51E-01	1.00E+00
3557878	ENSG00000100918	0.03	6.63E-01	1.00E+00
3557879	ENSG00000100918	0.12	1.16E-01	1.00E+00
3557880	ENSG00000100918	-0.04	5.63E-01	1.00E+00
3557881	ENSG00000100918	0.20	8.91E-03	1.00E+00
3557882	ENSG00000100918	0.10	1.86E-01	1.00E+00
3557883	ENSG00000100918	0.09	2.20E-01	1.00E+00
3557884	ENSG00000100918	0.14	7.25E-02	1.00E+00
3557885	ENSG00000100918	-0.04	5.83E-01	1.00E+00
3557886	ENSG00000100918	0.02	8.19E-01	1.00E+00
3557887	ENSG00000100918	0.14	6.56E-02	1.00E+00
3557888	ENSG00000100918	0.05	5.11E-01	1.00E+00
3557890	ENSG00000100918	-0.06	3.92E-01	1.00E+00
3557891	ENSG00000100918	-0.04	6.25E-01	1.00E+00
3557895	ENSG00000100918	-0.07	3.80E-01	1.00E+00
3911783	ENSG00000101158	-0.33	1.03E-05	3.08E-02
3911771	ENSG00000101158	0.32	1.24E-05	3.71E-02
3911768	ENSG00000101158	0.04	5.92E-01	1.00E+00
3911769	ENSG00000101158	-0.13	8.56E-02	1.00E+00
3911774	ENSG00000101158	0.26	4.74E-04	1.00E+00
3911778	ENSG00000101158	0.11	1.64E-01	1.00E+00
3911780	ENSG00000101158	-0.02	7.84E-01	1.00E+00
3911782	ENSG00000101158	0.09	2.36E-01	1.00E+00
3911784	ENSG00000101158	-0.26	5.25E-04	1.00E+00
3891281	ENSG00000101160	0.05	4.77E-01	1.00E+00
3891282	ENSG00000101160	-0.06	4.06E-01	1.00E+00
3891283	ENSG00000101160	0.05	4.76E-01	1.00E+00

3891285	ENSG000000101160	0.05	5.52E-01	1.00E+00
3891286	ENSG000000101160	-0.13	9.00E-02	1.00E+00
3891288	ENSG000000101160	0.04	5.73E-01	1.00E+00
3891289	ENSG000000101160	-0.19	1.05E-02	1.00E+00
3891290	ENSG000000101160	0.06	4.13E-01	1.00E+00
3891293	ENSG000000101160	-0.04	5.57E-01	1.00E+00
3891295	ENSG000000101160	-0.17	2.85E-02	1.00E+00
3891298	ENSG000000101160	-0.15	5.02E-02	1.00E+00
3891299	ENSG000000101160	-0.05	5.22E-01	1.00E+00
3891301	ENSG000000101160	-0.23	2.38E-03	1.00E+00
3891303	ENSG000000101160	-0.11	1.64E-01	1.00E+00
3891305	ENSG000000101160	-0.14	5.87E-02	1.00E+00
3891307	ENSG000000101160	-0.14	6.01E-02	1.00E+00
3891308	ENSG000000101160	0.18	1.50E-02	1.00E+00
3891309	ENSG000000101160	0.08	2.68E-01	1.00E+00
3891310	ENSG000000101160	0.13	8.69E-02	1.00E+00
3891314	ENSG000000101160	0.23	2.03E-03	1.00E+00
3891315	ENSG000000101160	0.16	3.69E-02	1.00E+00
3891317	ENSG000000101160	0.09	2.16E-01	1.00E+00
3891318	ENSG000000101160	0.07	3.28E-01	1.00E+00
3891320	ENSG000000101160	0.19	1.30E-02	1.00E+00
4007570	ENSG000000102103	0.02	8.19E-01	1.00E+00
4007572	ENSG000000102103	-0.10	1.80E-01	1.00E+00
4007574	ENSG000000102103	-0.22	2.78E-03	1.00E+00
4007575	ENSG000000102103	0.14	6.33E-02	1.00E+00
4007581	ENSG000000102103	0.19	9.74E-03	1.00E+00
4007583	ENSG000000102103	0.02	7.55E-01	1.00E+00
3665647	ENSG000000102977	-0.58	3.78E-17	1.13E-13
3665701	ENSG000000102977	-0.57	1.47E-16	4.39E-13
3665651	ENSG000000102977	0.53	5.45E-14	1.63E-10
3665665	ENSG000000102977	0.52	7.55E-14	2.26E-10
3665666	ENSG000000102977	-0.44	1.03E-09	3.07E-06
3665702	ENSG000000102977	-0.41	1.12E-08	3.34E-05
3665658	ENSG000000102977	0.37	4.90E-07	1.47E-03
3665655	ENSG000000102977	-0.34	4.96E-06	1.48E-02
3665687	ENSG000000102977	0.33	7.49E-06	2.24E-02
3665668	ENSG000000102977	0.28	1.55E-04	4.64E-01
3665650	ENSG000000102977	0.23	1.96E-03	1.00E+00
3665659	ENSG000000102977	-0.23	1.83E-03	1.00E+00
3665661	ENSG000000102977	0.16	3.26E-02	1.00E+00
3665662	ENSG000000102977	-0.26	6.17E-04	1.00E+00
3665664	ENSG000000102977	-0.09	2.15E-01	1.00E+00
3665669	ENSG000000102977	0.15	4.31E-02	1.00E+00
3665670	ENSG000000102977	-0.03	6.88E-01	1.00E+00
3665672	ENSG000000102977	-0.06	4.40E-01	1.00E+00
3665676	ENSG000000102977	0.09	2.45E-01	1.00E+00
3665681	ENSG000000102977	0.27	3.79E-04	1.00E+00
3665683	ENSG000000102977	-0.14	6.56E-02	1.00E+00
3665685	ENSG000000102977	0.04	6.11E-01	1.00E+00

3665690	ENSG000000102977	-0.17	2.72E-02	1.00E+00
3665695	ENSG000000102977	-0.24	1.16E-03	1.00E+00
3665698	ENSG000000102977	-0.14	6.22E-02	1.00E+00
3665699	ENSG000000102977	0.07	3.51E-01	1.00E+00
3665704	ENSG000000102977	0.22	3.72E-03	1.00E+00
3665705	ENSG000000102977	0.16	3.48E-02	1.00E+00
3665706	ENSG000000102977	0.00	9.48E-01	1.00E+00
3665708	ENSG000000102977	0.17	2.85E-02	1.00E+00
3665709	ENSG000000102977	0.05	5.11E-01	1.00E+00
3665710	ENSG000000102977	0.22	3.74E-03	1.00E+00
3665712	ENSG000000102977	-0.16	2.93E-02	1.00E+00
3665715	ENSG000000102977	-0.16	3.39E-02	1.00E+00
3665716	ENSG000000102977	-0.04	5.68E-01	1.00E+00
3642623	ENSG000000103148	-0.39	7.85E-08	2.35E-04
3642614	ENSG000000103148	0.36	1.20E-06	3.59E-03
3642618	ENSG000000103148	0.35	1.94E-06	5.81E-03
3642609	ENSG000000103148	-0.35	2.13E-06	6.39E-03
3642607	ENSG000000103148	-0.27	3.61E-04	1.00E+00
3642621	ENSG000000103148	0.01	9.00E-01	1.00E+00
3642622	ENSG000000103148	0.13	7.92E-02	1.00E+00
3674918	ENSG000000103152	-0.35	2.61E-06	7.80E-03
3674897	ENSG000000103152	0.33	1.03E-05	3.08E-02
3674896	ENSG000000103152	-0.24	1.47E-03	1.00E+00
3674902	ENSG000000103152	-0.03	6.75E-01	1.00E+00
3674903	ENSG000000103152	-0.02	8.24E-01	1.00E+00
3674905	ENSG000000103152	-0.01	8.69E-01	1.00E+00
3674910	ENSG000000103152	-0.24	1.31E-03	1.00E+00
3674913	ENSG000000103152	-0.14	6.66E-02	1.00E+00
3674914	ENSG000000103152	-0.05	5.39E-01	1.00E+00
3674917	ENSG000000103152	0.10	1.77E-01	1.00E+00
3674921	ENSG000000103152	-0.26	5.60E-04	1.00E+00
3674922	ENSG000000103152	-0.07	3.88E-01	1.00E+00
3674928	ENSG000000103152	-0.19	1.37E-02	1.00E+00
3674936	ENSG000000103152	-0.15	4.86E-02	1.00E+00
3674940	ENSG000000103152	0.19	1.09E-02	1.00E+00
3674941	ENSG000000103152	0.22	4.15E-03	1.00E+00
3674942	ENSG000000103152	0.23	1.80E-03	1.00E+00
3675272	ENSG000000103266	0.42	5.71E-09	1.71E-05
3675282	ENSG000000103266	-0.36	8.33E-07	2.49E-03
3675276	ENSG000000103266	-0.21	4.47E-03	1.00E+00
3675277	ENSG000000103266	0.21	5.71E-03	1.00E+00
3675278	ENSG000000103266	-0.11	1.32E-01	1.00E+00
3675281	ENSG000000103266	0.11	1.41E-01	1.00E+00
3675283	ENSG000000103266	-0.04	5.79E-01	1.00E+00
3832781	ENSG000000104835	0.10	1.84E-01	1.00E+00
3832783	ENSG000000104835	-0.10	1.93E-01	1.00E+00
3868161	ENSG000000104946	-0.16	3.64E-02	1.00E+00
3868162	ENSG000000104946	0.02	8.34E-01	1.00E+00
3868169	ENSG000000104946	0.01	8.79E-01	1.00E+00

3868171	ENSG00000104946	-0.01	8.89E-01	1.00E+00
3868173	ENSG00000104946	0.25	7.33E-04	1.00E+00
3868179	ENSG00000104946	-0.21	5.61E-03	1.00E+00
3860282	ENSG00000105254	0.34	5.43E-06	1.63E-02
3860288	ENSG00000105254	-0.30	4.99E-05	1.49E-01
3860286	ENSG00000105254	-0.27	2.76E-04	8.26E-01
3860287	ENSG00000105254	0.27	2.84E-04	8.51E-01
3860280	ENSG00000105254	0.19	1.24E-02	1.00E+00
3831162	ENSG00000105258	-0.32	1.85E-05	5.55E-02
3831154	ENSG00000105258	0.29	9.52E-05	2.85E-01
3831145	ENSG00000105258	0.03	6.95E-01	1.00E+00
3831147	ENSG00000105258	0.03	6.87E-01	1.00E+00
3831148	ENSG00000105258	0.17	2.52E-02	1.00E+00
3831150	ENSG00000105258	-0.01	8.61E-01	1.00E+00
3831151	ENSG00000105258	-0.16	3.48E-02	1.00E+00
3831152	ENSG00000105258	0.23	2.15E-03	1.00E+00
3831155	ENSG00000105258	0.02	7.61E-01	1.00E+00
3831156	ENSG00000105258	0.14	5.59E-02	1.00E+00
3831157	ENSG00000105258	-0.15	4.12E-02	1.00E+00
3831159	ENSG00000105258	-0.05	5.20E-01	1.00E+00
3831161	ENSG00000105258	-0.23	2.26E-03	1.00E+00
3181469	ENSG00000106785	-0.33	5.78E-06	1.73E-02
3181478	ENSG00000106785	0.31	2.71E-05	8.12E-02
3181474	ENSG00000106785	0.28	2.18E-04	6.52E-01
3181466	ENSG00000106785	0.14	7.32E-02	1.00E+00
3181467	ENSG00000106785	-0.05	4.96E-01	1.00E+00
3181476	ENSG00000106785	-0.10	1.92E-01	1.00E+00
3181477	ENSG00000106785	0.07	3.58E-01	1.00E+00
3204666	ENSG00000107140	0.48	1.85E-11	5.53E-08
3204664	ENSG00000107140	-0.40	5.57E-08	1.67E-04
3204659	ENSG00000107140	0.33	6.69E-06	2.00E-02
3204654	ENSG00000107140	0.26	5.40E-04	1.00E+00
3204657	ENSG00000107140	0.19	1.17E-02	1.00E+00
3204660	ENSG00000107140	-0.26	5.06E-04	1.00E+00
3204662	ENSG00000107140	0.01	8.54E-01	1.00E+00
2315805	ENSG00000107404	-0.42	7.49E-09	2.24E-05
2315795	ENSG00000107404	0.40	4.83E-08	1.45E-04
2315804	ENSG00000107404	-0.29	1.25E-04	3.75E-01
2315799	ENSG00000107404	0.01	8.76E-01	1.00E+00
3742392	ENSG00000108523	0.53	6.53E-14	1.96E-10
3742395	ENSG00000108523	-0.44	1.31E-09	3.91E-06
3742393	ENSG00000108523	0.38	1.93E-07	5.79E-04
3742391	ENSG00000108523	-0.29	7.99E-05	2.39E-01
3742386	ENSG00000108523	-0.02	7.54E-01	1.00E+00
3742387	ENSG00000108523	0.26	4.30E-04	1.00E+00
3742388	ENSG00000108523	0.23	2.12E-03	1.00E+00
3742389	ENSG00000108523	-0.08	3.08E-01	1.00E+00
3707373	ENSG00000108528	-0.42	5.69E-09	1.70E-05
3707362	ENSG00000108528	0.38	1.48E-07	4.44E-04

3707366	ENSG000000108528	0.35	2.57E-06	7.69E-03
3707360	ENSG000000108528	0.32	1.10E-05	3.29E-02
3707355	ENSG000000108528	-0.05	5.48E-01	1.00E+00
3707356	ENSG000000108528	0.15	5.19E-02	1.00E+00
3707359	ENSG000000108528	-0.15	4.71E-02	1.00E+00
3707363	ENSG000000108528	0.08	2.89E-01	1.00E+00
3707364	ENSG000000108528	0.19	9.90E-03	1.00E+00
3707368	ENSG000000108528	0.02	7.51E-01	1.00E+00
3707372	ENSG000000108528	-0.24	1.22E-03	1.00E+00
3707375	ENSG000000108528	-0.23	2.36E-03	1.00E+00
3707378	ENSG000000108528	0.03	7.01E-01	1.00E+00
3707379	ENSG000000108528	0.06	4.58E-01	1.00E+00
3707996	ENSG000000108590	-0.19	9.90E-03	1.00E+00
3708001	ENSG000000108590	0.00	9.86E-01	1.00E+00
3708003	ENSG000000108590	0.16	3.35E-02	1.00E+00
3731236	ENSG000000108654	0.36	1.05E-06	3.14E-03
3731232	ENSG000000108654	0.10	1.88E-01	1.00E+00
3731243	ENSG000000108654	0.04	6.15E-01	1.00E+00
3731247	ENSG000000108654	-0.01	9.33E-01	1.00E+00
3731248	ENSG000000108654	-0.18	1.80E-02	1.00E+00
3731254	ENSG000000108654	-0.19	1.09E-02	1.00E+00
3731255	ENSG000000108654	-0.20	8.66E-03	1.00E+00
3731256	ENSG000000108654	-0.07	3.34E-01	1.00E+00
3731261	ENSG000000108654	0.11	1.43E-01	1.00E+00
3731265	ENSG000000108654	-0.11	1.57E-01	1.00E+00
3731268	ENSG000000108654	-0.03	6.92E-01	1.00E+00
3757981	ENSG000000108788	-0.34	5.13E-06	1.54E-02
3757973	ENSG000000108788	0.34	5.45E-06	1.63E-02
3757987	ENSG000000108788	-0.33	6.58E-06	1.97E-02
3757976	ENSG000000108788	0.29	1.19E-04	3.57E-01
3757972	ENSG000000108788	0.20	9.46E-03	1.00E+00
3757979	ENSG000000108788	0.26	3.96E-04	1.00E+00
3757985	ENSG000000108788	0.05	5.02E-01	1.00E+00
3757988	ENSG000000108788	-0.08	3.00E-01	1.00E+00
3732767	ENSG000000108932	0.40	4.26E-08	1.28E-04
3732763	ENSG000000108932	-0.34	3.91E-06	1.17E-02
3732768	ENSG000000108932	0.32	1.27E-05	3.81E-02
3732779	ENSG000000108932	0.31	2.78E-05	8.33E-02
3732765	ENSG000000108932	-0.30	4.88E-05	1.46E-01
3732766	ENSG000000108932	-0.14	6.96E-02	1.00E+00
3732771	ENSG000000108932	-0.01	9.29E-01	1.00E+00
3732774	ENSG000000108932	0.25	6.90E-04	1.00E+00
3732776	ENSG000000108932	0.13	8.55E-02	1.00E+00
3732780	ENSG000000108932	-0.08	3.12E-01	1.00E+00
3732782	ENSG000000108932	0.08	2.79E-01	1.00E+00
3732783	ENSG000000108932	0.02	8.20E-01	1.00E+00
3750633	ENSG000000109079	-0.58	2.89E-17	8.65E-14
3750629	ENSG000000109079	0.22	3.41E-03	1.00E+00
3750630	ENSG000000109079	0.12	1.10E-01	1.00E+00

3750631	ENSG000000109079	0.07	3.87E-01	1.00E+00
3750632	ENSG000000109079	0.16	3.45E-02	1.00E+00
3750635	ENSG000000109079	0.09	2.38E-01	1.00E+00
3750636	ENSG000000109079	0.22	3.24E-03	1.00E+00
3750637	ENSG000000109079	0.15	5.16E-02	1.00E+00
3750638	ENSG000000109079	0.16	3.77E-02	1.00E+00
3750639	ENSG000000109079	0.23	1.95E-03	1.00E+00
3750640	ENSG000000109079	-0.19	1.22E-02	1.00E+00
3750641	ENSG000000109079	0.16	3.54E-02	1.00E+00
3750642	ENSG000000109079	0.18	1.58E-02	1.00E+00
3750643	ENSG000000109079	0.14	7.17E-02	1.00E+00
3750647	ENSG000000109079	-0.12	1.09E-01	1.00E+00
3715502	ENSG000000109083	0.50	1.45E-12	4.35E-09
3715494	ENSG000000109083	-0.47	2.88E-11	8.61E-08
3715495	ENSG000000109083	-0.43	1.87E-09	5.60E-06
3715499	ENSG000000109083	-0.03	6.54E-01	1.00E+00
3715501	ENSG000000109083	0.06	4.38E-01	1.00E+00
3715503	ENSG000000109083	0.12	1.16E-01	1.00E+00
3750605	ENSG000000109084	-0.41	2.39E-08	7.15E-05
3750608	ENSG000000109084	0.36	7.31E-07	2.19E-03
3750606	ENSG000000109084	-0.36	1.08E-06	3.22E-03
3750603	ENSG000000109084	0.28	1.96E-04	5.86E-01
3750599	ENSG000000109084	0.23	2.52E-03	1.00E+00
3401570	ENSG000000111224	0.02	7.50E-01	1.00E+00
3401572	ENSG000000111224	-0.01	8.57E-01	1.00E+00
3401573	ENSG000000111224	-0.01	8.52E-01	1.00E+00
3401574	ENSG000000111224	0.05	5.48E-01	1.00E+00
3401575	ENSG000000111224	-0.14	6.67E-02	1.00E+00
3422869	ENSG000000111615	-0.53	3.36E-14	1.01E-10
3422870	ENSG000000111615	0.42	4.38E-09	1.31E-05
3422858	ENSG000000111615	0.34	2.92E-06	8.73E-03
3422861	ENSG000000111615	-0.32	1.29E-05	3.85E-02
3422859	ENSG000000111615	0.30	4.55E-05	1.36E-01
3422857	ENSG000000111615	-0.22	3.82E-03	1.00E+00
3422863	ENSG000000111615	-0.03	6.87E-01	1.00E+00
3422866	ENSG000000111615	-0.10	1.67E-01	1.00E+00
3422871	ENSG000000111615	-0.03	6.93E-01	1.00E+00
3403142	ENSG000000111684	-0.35	1.63E-06	4.89E-03
3403144	ENSG000000111684	0.05	5.06E-01	1.00E+00
3403146	ENSG000000111684	0.17	2.23E-02	1.00E+00
3403148	ENSG000000111684	0.21	4.76E-03	1.00E+00
3403150	ENSG000000111684	0.10	1.79E-01	1.00E+00
3448521	ENSG000000111790	-0.31	2.73E-05	8.17E-02
3448488	ENSG000000111790	0.27	2.34E-04	7.00E-01
3448483	ENSG000000111790	-0.10	1.91E-01	1.00E+00
3448484	ENSG000000111790	-0.01	9.41E-01	1.00E+00
3448489	ENSG000000111790	0.19	1.02E-02	1.00E+00
3448492	ENSG000000111790	0.24	1.43E-03	1.00E+00
3448500	ENSG000000111790	-0.22	2.83E-03	1.00E+00

3448503	ENSG000000111790	0.19	1.31E-02	1.00E+00
3448509	ENSG000000111790	0.21	4.55E-03	1.00E+00
3448511	ENSG000000111790	-0.14	6.19E-02	1.00E+00
3448512	ENSG000000111790	0.08	2.85E-01	1.00E+00
3448513	ENSG000000111790	-0.09	2.45E-01	1.00E+00
3448515	ENSG000000111790	0.06	4.68E-01	1.00E+00
3448519	ENSG000000111790	-0.02	8.40E-01	1.00E+00
3448520	ENSG000000111790	-0.08	2.91E-01	1.00E+00
3448522	ENSG000000111790	-0.13	7.51E-02	1.00E+00
2954331	ENSG000000112640	0.32	1.36E-05	4.08E-02
2954330	ENSG000000112640	-0.29	8.54E-05	2.56E-01
2954329	ENSG000000112640	0.17	2.33E-02	1.00E+00
2954332	ENSG000000112640	-0.23	2.06E-03	1.00E+00
2877322	ENSG000000112984	-0.48	9.25E-12	2.77E-08
2877342	ENSG000000112984	0.47	5.04E-11	1.51E-07
2877338	ENSG000000112984	0.46	1.78E-10	5.33E-07
2877343	ENSG000000112984	-0.45	2.41E-10	7.21E-07
2877336	ENSG000000112984	-0.42	5.21E-09	1.56E-05
2877333	ENSG000000112984	0.41	1.68E-08	5.03E-05
2877325	ENSG000000112984	-0.40	2.52E-08	7.54E-05
2877329	ENSG000000112984	-0.40	2.99E-08	8.95E-05
2877326	ENSG000000112984	0.36	1.00E-06	3.00E-03
2877316	ENSG000000112984	0.15	4.11E-02	1.00E+00
2877317	ENSG000000112984	-0.08	3.14E-01	1.00E+00
2877319	ENSG000000112984	0.09	2.52E-01	1.00E+00
2877330	ENSG000000112984	0.16	3.07E-02	1.00E+00
2877332	ENSG000000112984	0.23	2.27E-03	1.00E+00
2877334	ENSG000000112984	0.15	4.47E-02	1.00E+00
2877337	ENSG000000112984	0.22	3.09E-03	1.00E+00
2877341	ENSG000000112984	-0.24	1.68E-03	1.00E+00
2806237	ENSG000000113456	0.64	1.11E-21	3.32E-18
2806242	ENSG000000113456	-0.56	5.58E-16	1.67E-12
2806251	ENSG000000113456	0.53	2.46E-14	7.37E-11
2806233	ENSG000000113456	-0.52	1.05E-13	3.15E-10
2806234	ENSG000000113456	-0.46	8.60E-11	2.58E-07
2806244	ENSG000000113456	-0.44	6.55E-10	1.96E-06
2806248	ENSG000000113456	0.43	2.90E-09	8.70E-06
2806235	ENSG000000113456	0.24	1.28E-03	1.00E+00
2853020	ENSG000000113460	-0.75	1.86E-33	5.56E-30
2853007	ENSG000000113460	0.72	6.49E-29	1.94E-25
2853022	ENSG000000113460	-0.57	2.18E-16	6.53E-13
2853010	ENSG000000113460	0.34	3.09E-06	9.24E-03
2853021	ENSG000000113460	-0.31	2.34E-05	7.00E-02
2853016	ENSG000000113460	0.30	6.62E-05	1.98E-01
2853009	ENSG000000113460	0.29	7.70E-05	2.30E-01
2853005	ENSG000000113460	0.05	4.87E-01	1.00E+00
2608168	ENSG000000113851	-0.54	7.27E-15	2.18E-11
2608185	ENSG000000113851	0.49	3.39E-12	1.02E-08
2608175	ENSG000000113851	0.00	9.49E-01	1.00E+00

2608184	ENSG000000113851	-0.13	8.03E-02	1.00E+00
2608187	ENSG000000113851	0.12	9.93E-02	1.00E+00
2608189	ENSG000000113851	-0.18	1.60E-02	1.00E+00
2608190	ENSG000000113851	0.25	1.04E-03	1.00E+00
2608193	ENSG000000113851	0.07	3.57E-01	1.00E+00
2483463	ENSG000000115392	-0.64	1.81E-21	5.40E-18
2483500	ENSG000000115392	0.58	2.64E-17	7.91E-14
2483491	ENSG000000115392	-0.57	7.33E-17	2.19E-13
2483498	ENSG000000115392	-0.53	5.26E-14	1.58E-10
2483504	ENSG000000115392	0.49	2.93E-12	8.78E-09
2483485	ENSG000000115392	0.45	4.34E-10	1.30E-06
2483497	ENSG000000115392	-0.40	3.26E-08	9.76E-05
2483501	ENSG000000115392	0.39	1.09E-07	3.28E-04
2483466	ENSG000000115392	-0.37	3.10E-07	9.27E-04
2483464	ENSG000000115392	-0.29	1.15E-04	3.45E-01
2483479	ENSG000000115392	0.20	7.10E-03	1.00E+00
2483483	ENSG000000115392	0.24	1.53E-03	1.00E+00
2483484	ENSG000000115392	0.06	4.28E-01	1.00E+00
2483489	ENSG000000115392	0.06	4.57E-01	1.00E+00
2483495	ENSG000000115392	0.18	1.79E-02	1.00E+00
2483496	ENSG000000115392	0.02	7.93E-01	1.00E+00
2483503	ENSG000000115392	-0.03	6.70E-01	1.00E+00
2483508	ENSG000000115392	0.14	7.40E-02	1.00E+00
2483510	ENSG000000115392	0.04	6.24E-01	1.00E+00
3844909	ENSG000000116032	0.59	3.42E-18	1.02E-14
3844910	ENSG000000116032	-0.47	2.77E-11	8.31E-08
3844921	ENSG000000116032	-0.39	5.97E-08	1.79E-04
3844927	ENSG000000116032	0.39	1.21E-07	3.64E-04
3844915	ENSG000000116032	0.38	2.22E-07	6.65E-04
3844922	ENSG000000116032	-0.32	1.75E-05	5.23E-02
3844907	ENSG000000116032	-0.30	5.56E-05	1.66E-01
3844929	ENSG000000116032	-0.28	1.90E-04	5.68E-01
3844906	ENSG000000116032	0.26	4.71E-04	1.00E+00
3844908	ENSG000000116032	-0.20	8.79E-03	1.00E+00
3844912	ENSG000000116032	-0.01	8.76E-01	1.00E+00
3844913	ENSG000000116032	0.12	1.00E-01	1.00E+00
3844914	ENSG000000116032	-0.16	3.36E-02	1.00E+00
3844916	ENSG000000116032	-0.11	1.30E-01	1.00E+00
3844918	ENSG000000116032	-0.01	8.97E-01	1.00E+00
3844919	ENSG000000116032	-0.08	3.08E-01	1.00E+00
3844924	ENSG000000116032	-0.11	1.51E-01	1.00E+00
3844925	ENSG000000116032	-0.04	6.17E-01	1.00E+00
3844928	ENSG000000116032	-0.20	7.30E-03	1.00E+00
3844930	ENSG000000116032	0.17	2.47E-02	1.00E+00
3844931	ENSG000000116032	0.05	4.96E-01	1.00E+00
2552231	ENSG000000116062	-0.56	8.68E-16	2.60E-12
2552173	ENSG000000116062	-0.47	3.07E-11	9.20E-08
2552190	ENSG000000116062	0.45	3.59E-10	1.07E-06
2552186	ENSG000000116062	-0.44	1.12E-09	3.35E-06

2552188	ENSG000000116062	0.42	6.06E-09	1.81E-05
2552168	ENSG000000116062	0.35	1.47E-06	4.40E-03
2552193	ENSG000000116062	-0.35	1.75E-06	5.25E-03
2552172	ENSG000000116062	0.33	6.26E-06	1.87E-02
2552225	ENSG000000116062	-0.32	1.85E-05	5.53E-02
2552195	ENSG000000116062	0.32	1.93E-05	5.79E-02
2552167	ENSG000000116062	0.29	9.26E-05	2.77E-01
2552166	ENSG000000116062	0.22	3.28E-03	1.00E+00
2552170	ENSG000000116062	-0.23	2.28E-03	1.00E+00
2552174	ENSG000000116062	-0.24	1.08E-03	1.00E+00
2552178	ENSG000000116062	-0.12	1.03E-01	1.00E+00
2552180	ENSG000000116062	0.06	4.66E-01	1.00E+00
2552187	ENSG000000116062	0.00	9.57E-01	1.00E+00
2552189	ENSG000000116062	0.03	7.16E-01	1.00E+00
2552194	ENSG000000116062	0.09	2.14E-01	1.00E+00
2552197	ENSG000000116062	0.14	6.27E-02	1.00E+00
2552198	ENSG000000116062	0.02	7.49E-01	1.00E+00
2552199	ENSG000000116062	-0.06	4.42E-01	1.00E+00
2552202	ENSG000000116062	-0.04	5.83E-01	1.00E+00
2552204	ENSG000000116062	-0.16	3.34E-02	1.00E+00
2552205	ENSG000000116062	-0.17	2.82E-02	1.00E+00
2361133	ENSG000000116580	-0.53	4.86E-14	1.46E-10
2361127	ENSG000000116580	0.46	1.32E-10	3.95E-07
2361129	ENSG000000116580	0.34	3.38E-06	1.01E-02
2361128	ENSG000000116580	-0.22	3.29E-03	1.00E+00
2361130	ENSG000000116580	-0.10	2.06E-01	1.00E+00
2320371	ENSG000000116661	0.32	1.41E-05	4.23E-02
2320359	ENSG000000116661	-0.28	1.35E-04	4.03E-01
2320353	ENSG000000116661	-0.28	1.97E-04	5.90E-01
2320363	ENSG000000116661	0.18	1.85E-02	1.00E+00
2320372	ENSG000000116661	0.06	4.19E-01	1.00E+00
2449028	ENSG000000116747	-0.73	2.38E-30	7.11E-27
2449026	ENSG000000116747	-0.60	5.99E-19	1.79E-15
2449021	ENSG000000116747	0.60	3.02E-18	9.05E-15
2449012	ENSG000000116747	0.51	2.68E-13	8.01E-10
2449015	ENSG000000116747	-0.50	1.66E-12	4.96E-09
2449007	ENSG000000116747	0.45	5.02E-10	1.50E-06
2449014	ENSG000000116747	0.32	1.97E-05	5.90E-02
2449027	ENSG000000116747	0.30	6.55E-05	1.96E-01
2449008	ENSG000000116747	0.28	1.29E-04	3.87E-01
2449010	ENSG000000116747	-0.25	7.52E-04	1.00E+00
2449016	ENSG000000116747	0.24	1.13E-03	1.00E+00
2449019	ENSG000000116747	-0.04	5.91E-01	1.00E+00
2372955	ENSG000000116750	-0.67	1.72E-24	5.15E-21
2372944	ENSG000000116750	0.57	8.10E-17	2.43E-13
2372953	ENSG000000116750	-0.57	1.73E-16	5.18E-13
2372962	ENSG000000116750	0.55	2.61E-15	7.80E-12
2372959	ENSG000000116750	0.53	2.96E-14	8.86E-11
2372945	ENSG000000116750	0.49	6.18E-12	1.85E-08

2372930	ENSG000000116750	-0.44	1.12E-09	3.34E-06
2372952	ENSG000000116750	0.42	6.46E-09	1.93E-05
2372963	ENSG000000116750	-0.36	7.97E-07	2.39E-03
2372940	ENSG000000116750	-0.34	2.77E-06	8.31E-03
2372954	ENSG000000116750	-0.30	4.36E-05	1.31E-01
2372957	ENSG000000116750	-0.28	1.39E-04	4.17E-01
2372937	ENSG000000116750	-0.12	1.17E-01	1.00E+00
2372941	ENSG000000116750	-0.07	3.75E-01	1.00E+00
2372942	ENSG000000116750	-0.17	2.55E-02	1.00E+00
2372947	ENSG000000116750	0.26	5.98E-04	1.00E+00
2372960	ENSG000000116750	-0.13	9.40E-02	1.00E+00
2372961	ENSG000000116750	0.00	9.68E-01	1.00E+00
2417839	ENSG000000116754	-0.62	3.60E-20	1.08E-16
2417803	ENSG000000116754	0.49	7.06E-12	2.11E-08
2417818	ENSG000000116754	-0.45	2.55E-10	7.64E-07
2417804	ENSG000000116754	0.43	2.39E-09	7.14E-06
2417841	ENSG000000116754	-0.43	3.22E-09	9.65E-06
2417822	ENSG000000116754	-0.42	9.22E-09	2.76E-05
2417834	ENSG000000116754	0.31	3.49E-05	1.05E-01
2417797	ENSG000000116754	0.15	4.52E-02	1.00E+00
2417798	ENSG000000116754	0.16	3.83E-02	1.00E+00
2417799	ENSG000000116754	-0.10	2.07E-01	1.00E+00
2417814	ENSG000000116754	0.26	6.23E-04	1.00E+00
2417816	ENSG000000116754	0.03	6.90E-01	1.00E+00
2417824	ENSG000000116754	-0.05	5.49E-01	1.00E+00
2417826	ENSG000000116754	-0.25	6.70E-04	1.00E+00
2417832	ENSG000000116754	0.18	1.40E-02	1.00E+00
2418684	ENSG000000117054	-0.48	1.21E-11	3.63E-08
2418681	ENSG000000117054	0.39	1.23E-07	3.68E-04
2418675	ENSG000000117054	-0.37	5.22E-07	1.56E-03
2418687	ENSG000000117054	0.33	6.46E-06	1.93E-02
2418678	ENSG000000117054	-0.24	1.53E-03	1.00E+00
2418682	ENSG000000117054	-0.23	1.84E-03	1.00E+00
2418688	ENSG000000117054	0.16	3.21E-02	1.00E+00
2409313	ENSG000000117399	0.30	6.23E-05	1.87E-01
2409332	ENSG000000117399	-0.29	8.48E-05	2.54E-01
2409312	ENSG000000117399	0.18	1.88E-02	1.00E+00
2409314	ENSG000000117399	0.12	1.02E-01	1.00E+00
2409315	ENSG000000117399	-0.05	5.12E-01	1.00E+00
2409318	ENSG000000117399	0.23	1.80E-03	1.00E+00
2409319	ENSG000000117399	-0.25	6.72E-04	1.00E+00
2409322	ENSG000000117399	0.08	3.13E-01	1.00E+00
2341583	ENSG000000118454	-0.72	2.75E-29	8.24E-26
2341577	ENSG000000118454	-0.71	1.19E-28	3.56E-25
2341597	ENSG000000118454	-0.70	2.88E-27	8.62E-24
2341598	ENSG000000118454	-0.65	3.14E-22	9.39E-19
2341600	ENSG000000118454	0.63	1.14E-20	3.43E-17
2341589	ENSG000000118454	0.58	3.57E-17	1.07E-13
2341578	ENSG000000118454	-0.57	1.59E-16	4.77E-13

2341576	ENSG000000118454	-0.50	1.62E-12	4.86E-09
2341602	ENSG000000118454	0.50	1.81E-12	5.41E-09
2341599	ENSG000000118454	-0.49	6.02E-12	1.80E-08
2341606	ENSG000000118454	-0.47	2.76E-11	8.28E-08
2341585	ENSG000000118454	0.47	7.47E-11	2.24E-07
2341621	ENSG000000118454	0.44	1.35E-09	4.05E-06
2341574	ENSG000000118454	-0.41	1.05E-08	3.15E-05
2341582	ENSG000000118454	0.38	2.24E-07	6.72E-04
2341591	ENSG000000118454	0.37	5.00E-07	1.50E-03
2341592	ENSG000000118454	0.36	6.48E-07	1.94E-03
2341581	ENSG000000118454	0.32	1.12E-05	3.36E-02
2341584	ENSG000000118454	0.31	3.43E-05	1.03E-01
2341586	ENSG000000118454	0.27	3.34E-04	9.99E-01
2341579	ENSG000000118454	0.01	9.10E-01	1.00E+00
2341580	ENSG000000118454	-0.10	1.82E-01	1.00E+00
2341587	ENSG000000118454	-0.12	1.14E-01	1.00E+00
2341588	ENSG000000118454	-0.20	6.77E-03	1.00E+00
2341595	ENSG000000118454	0.10	1.67E-01	1.00E+00
2341601	ENSG000000118454	0.10	1.81E-01	1.00E+00
2341607	ENSG000000118454	-0.21	6.26E-03	1.00E+00
2341610	ENSG000000118454	0.19	1.12E-02	1.00E+00
2341616	ENSG000000118454	-0.12	1.05E-01	1.00E+00
2341618	ENSG000000118454	0.19	1.14E-02	1.00E+00
3646560	ENSG000000118894	-0.41	1.80E-08	5.39E-05
3646565	ENSG000000118894	0.27	3.11E-04	9.31E-01
3646559	ENSG000000118894	0.27	3.12E-04	9.33E-01
3646548	ENSG000000118894	-0.17	2.35E-02	1.00E+00
3646549	ENSG000000118894	0.16	3.76E-02	1.00E+00
3646551	ENSG000000118894	0.04	5.66E-01	1.00E+00
3646552	ENSG000000118894	0.03	7.06E-01	1.00E+00
3646553	ENSG000000118894	-0.14	6.56E-02	1.00E+00
3646557	ENSG000000118894	-0.09	2.47E-01	1.00E+00
3646563	ENSG000000118894	0.01	8.79E-01	1.00E+00
3646564	ENSG000000118894	0.16	3.46E-02	1.00E+00
3646566	ENSG000000118894	-0.24	1.23E-03	1.00E+00
3646567	ENSG000000118894	0.09	2.30E-01	1.00E+00
3646568	ENSG000000118894	0.03	7.34E-01	1.00E+00
3441020	ENSG000000118976	-0.03	6.80E-01	1.00E+00
3441022	ENSG000000118976	0.05	4.74E-01	1.00E+00
3441030	ENSG000000118976	0.24	1.29E-03	1.00E+00
3441033	ENSG000000118976	-0.15	4.16E-02	1.00E+00
3441042	ENSG000000118976	-0.04	6.18E-01	1.00E+00
3441048	ENSG000000118976	-0.23	2.36E-03	1.00E+00
3190616	ENSG000000119333	-0.55	4.68E-15	1.40E-11
3190613	ENSG000000119333	0.51	3.74E-13	1.12E-09
3190559	ENSG000000119333	0.48	1.36E-11	4.07E-08
3190601	ENSG000000119333	-0.47	4.77E-11	1.43E-07
3190592	ENSG000000119333	0.47	6.89E-11	2.06E-07
3190585	ENSG000000119333	-0.46	1.87E-10	5.60E-07

3190582	ENSG000000119333	0.44	6.70E-10	2.01E-06
3190576	ENSG000000119333	-0.44	1.56E-09	4.68E-06
3190615	ENSG000000119333	0.43	2.27E-09	6.79E-06
3190570	ENSG000000119333	0.43	2.38E-09	7.13E-06
3190589	ENSG000000119333	-0.41	1.38E-08	4.12E-05
3190581	ENSG000000119333	-0.39	6.56E-08	1.96E-04
3190588	ENSG000000119333	-0.38	2.11E-07	6.31E-04
3190568	ENSG000000119333	-0.38	2.44E-07	7.30E-04
3190564	ENSG000000119333	-0.35	1.89E-06	5.65E-03
3190634	ENSG000000119333	0.35	2.71E-06	8.10E-03
3190645	ENSG000000119333	0.34	3.22E-06	9.63E-03
3190628	ENSG000000119333	0.31	2.97E-05	8.88E-02
3190579	ENSG000000119333	0.31	3.37E-05	1.01E-01
3190630	ENSG000000119333	-0.29	9.91E-05	2.97E-01
3190606	ENSG000000119333	0.27	2.31E-04	6.90E-01
3190566	ENSG000000119333	-0.06	4.37E-01	1.00E+00
3190567	ENSG000000119333	-0.19	1.21E-02	1.00E+00
3190569	ENSG000000119333	0.00	9.84E-01	1.00E+00
3190571	ENSG000000119333	-0.17	2.82E-02	1.00E+00
3190572	ENSG000000119333	0.07	3.34E-01	1.00E+00
3190573	ENSG000000119333	0.26	5.42E-04	1.00E+00
3190574	ENSG000000119333	0.00	9.83E-01	1.00E+00
3190578	ENSG000000119333	-0.17	2.67E-02	1.00E+00
3190580	ENSG000000119333	0.12	1.28E-01	1.00E+00
3190583	ENSG000000119333	0.18	1.55E-02	1.00E+00
3190584	ENSG000000119333	-0.12	1.08E-01	1.00E+00
3190586	ENSG000000119333	-0.13	7.74E-02	1.00E+00
3190593	ENSG000000119333	0.03	7.18E-01	1.00E+00
3190595	ENSG000000119333	0.17	2.30E-02	1.00E+00
3190596	ENSG000000119333	-0.09	2.40E-01	1.00E+00
3190597	ENSG000000119333	0.06	4.04E-01	1.00E+00
3190600	ENSG000000119333	-0.18	1.59E-02	1.00E+00
3190603	ENSG000000119333	-0.14	5.78E-02	1.00E+00
3190604	ENSG000000119333	0.00	9.80E-01	1.00E+00
3190605	ENSG000000119333	-0.03	7.24E-01	1.00E+00
3190608	ENSG000000119333	0.17	2.37E-02	1.00E+00
3190609	ENSG000000119333	0.20	6.58E-03	1.00E+00
3190610	ENSG000000119333	0.17	2.69E-02	1.00E+00
3190618	ENSG000000119333	0.13	8.98E-02	1.00E+00
3190619	ENSG000000119333	0.19	1.02E-02	1.00E+00
3190620	ENSG000000119333	-0.01	8.44E-01	1.00E+00
3190621	ENSG000000119333	0.05	5.36E-01	1.00E+00
3190622	ENSG000000119333	-0.11	1.58E-01	1.00E+00
3190624	ENSG000000119333	-0.14	6.75E-02	1.00E+00
3190627	ENSG000000119333	0.14	6.96E-02	1.00E+00
3190631	ENSG000000119333	0.13	9.00E-02	1.00E+00
3190636	ENSG000000119333	0.20	9.42E-03	1.00E+00
3190638	ENSG000000119333	-0.07	3.70E-01	1.00E+00
3190639	ENSG000000119333	-0.14	6.45E-02	1.00E+00

3190640	ENSG000000119333	0.25	9.88E-04	1.00E+00
3190642	ENSG000000119333	0.02	7.57E-01	1.00E+00
3190644	ENSG000000119333	-0.21	5.33E-03	1.00E+00
3188074	ENSG000000119446	-0.57	8.37E-17	2.50E-13
3188075	ENSG000000119446	0.34	4.45E-06	1.33E-02
3188059	ENSG000000119446	0.30	4.60E-05	1.38E-01
3188061	ENSG000000119446	-0.17	2.57E-02	1.00E+00
3188068	ENSG000000119446	-0.13	9.72E-02	1.00E+00
3188072	ENSG000000119446	0.03	6.85E-01	1.00E+00
3188083	ENSG000000119446	-0.21	4.47E-03	1.00E+00
3188088	ENSG000000119446	0.07	3.33E-01	1.00E+00
3188089	ENSG000000119446	0.10	1.89E-01	1.00E+00
3188090	ENSG000000119446	0.06	3.94E-01	1.00E+00
2551714	ENSG000000119729	-0.40	3.02E-08	9.03E-05
2551694	ENSG000000119729	0.38	1.35E-07	4.03E-04
2551703	ENSG000000119729	-0.27	2.81E-04	8.43E-01
2551693	ENSG000000119729	0.17	2.36E-02	1.00E+00
2551709	ENSG000000119729	0.21	4.91E-03	1.00E+00
3303120	ENSG000000119929	0.33	5.72E-06	1.71E-02
3303119	ENSG000000119929	0.07	3.36E-01	1.00E+00
3303121	ENSG000000119929	-0.05	4.96E-01	1.00E+00
3303122	ENSG000000119929	0.00	9.56E-01	1.00E+00
3303123	ENSG000000119929	-0.15	4.67E-02	1.00E+00
3303125	ENSG000000119929	0.09	2.14E-01	1.00E+00
3303129	ENSG000000119929	0.15	5.02E-02	1.00E+00
3303132	ENSG000000119929	0.03	7.15E-01	1.00E+00
3303133	ENSG000000119929	0.02	8.04E-01	1.00E+00
3303135	ENSG000000119929	-0.08	3.16E-01	1.00E+00
3303137	ENSG000000119929	-0.25	6.67E-04	1.00E+00
2878472	ENSG000000120314	-0.29	1.23E-04	3.67E-01
2878469	ENSG000000120314	0.21	4.99E-03	1.00E+00
2878473	ENSG000000120314	-0.08	2.90E-01	1.00E+00
2877880	ENSG000000120727	0.45	2.27E-10	6.80E-07
2877866	ENSG000000120727	-0.28	1.60E-04	4.80E-01
2877869	ENSG000000120727	-0.23	2.53E-03	1.00E+00
2877870	ENSG000000120727	0.11	1.63E-01	1.00E+00
2877872	ENSG000000120727	0.22	3.09E-03	1.00E+00
2877873	ENSG000000120727	-0.19	1.05E-02	1.00E+00
3089755	ENSG000000120889	0.15	4.86E-02	1.00E+00
3089756	ENSG000000120889	-0.08	3.16E-01	1.00E+00
3089757	ENSG000000120889	-0.03	7.30E-01	1.00E+00
3089758	ENSG000000120889	-0.04	6.05E-01	1.00E+00
3089759	ENSG000000120889	-0.08	3.19E-01	1.00E+00
3089761	ENSG000000120889	-0.06	4.15E-01	1.00E+00
3089762	ENSG000000120889	0.15	4.79E-02	1.00E+00
3089764	ENSG000000120889	0.08	3.10E-01	1.00E+00
3089765	ENSG000000120889	0.05	4.88E-01	1.00E+00
3089766	ENSG000000120889	-0.02	7.63E-01	1.00E+00
3089771	ENSG000000120889	0.07	3.55E-01	1.00E+00

3089772	ENSG00000120889	-0.12	1.15E-01	1.00E+00
3089776	ENSG00000120889	-0.07	3.37E-01	1.00E+00
3025741	ENSG00000122783	0.10	2.06E-01	1.00E+00
3025744	ENSG00000122783	0.04	5.90E-01	1.00E+00
3025752	ENSG00000122783	0.11	1.35E-01	1.00E+00
3025753	ENSG00000122783	-0.24	1.68E-03	1.00E+00
3457251	ENSG00000123353	-0.33	5.61E-06	1.68E-02
3457248	ENSG00000123353	-0.10	1.67E-01	1.00E+00
3457249	ENSG00000123353	-0.20	8.79E-03	1.00E+00
3457250	ENSG00000123353	-0.17	2.13E-02	1.00E+00
3457253	ENSG00000123353	0.03	6.70E-01	1.00E+00
3457254	ENSG00000123353	0.25	9.50E-04	1.00E+00
3457255	ENSG00000123353	0.11	1.30E-01	1.00E+00
3457256	ENSG00000123353	0.21	5.22E-03	1.00E+00
2954600	ENSG00000124574	0.02	7.48E-01	1.00E+00
2954604	ENSG00000124574	-0.06	4.44E-01	1.00E+00
2954607	ENSG00000124574	0.07	3.85E-01	1.00E+00
2907547	ENSG00000124733	-0.62	3.79E-20	1.13E-16
2907561	ENSG00000124733	-0.61	1.78E-19	5.32E-16
2907557	ENSG00000124733	0.57	1.48E-16	4.44E-13
2907546	ENSG00000124733	-0.56	6.25E-16	1.87E-12
2907553	ENSG00000124733	0.55	1.71E-15	5.12E-12
2907560	ENSG00000124733	0.53	2.55E-14	7.63E-11
2907558	ENSG00000124733	0.41	1.60E-08	4.79E-05
2907541	ENSG00000124733	-0.38	1.78E-07	5.33E-04
2907563	ENSG00000124733	0.28	1.52E-04	4.56E-01
2907548	ENSG00000124733	0.01	9.39E-01	1.00E+00
2907550	ENSG00000124733	0.18	1.71E-02	1.00E+00
2907552	ENSG00000124733	0.24	1.57E-03	1.00E+00
2907554	ENSG00000124733	0.25	8.42E-04	1.00E+00
2907556	ENSG00000124733	0.20	8.60E-03	1.00E+00
2907562	ENSG00000124733	0.26	4.05E-04	1.00E+00
3770701	ENSG00000125445	0.25	8.17E-04	1.00E+00
3770702	ENSG00000125445	0.21	5.73E-03	1.00E+00
3770704	ENSG00000125445	-0.17	2.61E-02	1.00E+00
3770706	ENSG00000125445	0.27	3.39E-04	1.00E+00
3770708	ENSG00000125445	0.10	1.95E-01	1.00E+00
3770712	ENSG00000125445	0.13	8.17E-02	1.00E+00
3770713	ENSG00000125445	-0.21	4.29E-03	1.00E+00
3770716	ENSG00000125445	-0.20	9.34E-03	1.00E+00
3734762	ENSG00000125457	-0.26	5.19E-04	1.00E+00
3734765	ENSG00000125457	0.14	6.47E-02	1.00E+00
3734767	ENSG00000125457	0.01	9.00E-01	1.00E+00
3734769	ENSG00000125457	-0.02	8.24E-01	1.00E+00
3734770	ENSG00000125457	0.15	5.00E-02	1.00E+00
3734771	ENSG00000125457	-0.08	3.08E-01	1.00E+00
3734774	ENSG00000125457	0.07	3.55E-01	1.00E+00
3228256	ENSG00000125484	-0.44	6.73E-10	2.01E-06
3228227	ENSG00000125484	0.41	1.27E-08	3.81E-05

3228198	ENSG00000125484	-0.37	5.18E-07	1.55E-03
3228224	ENSG00000125484	0.31	2.96E-05	8.88E-02
3228200	ENSG00000125484	-0.20	6.81E-03	1.00E+00
3228201	ENSG00000125484	0.18	1.63E-02	1.00E+00
3228202	ENSG00000125484	-0.12	1.10E-01	1.00E+00
3228210	ENSG00000125484	-0.13	8.57E-02	1.00E+00
3228214	ENSG00000125484	0.26	3.80E-04	1.00E+00
3228218	ENSG00000125484	0.18	1.94E-02	1.00E+00
3228225	ENSG00000125484	0.15	4.37E-02	1.00E+00
3228240	ENSG00000125484	0.26	6.32E-04	1.00E+00
3228241	ENSG00000125484	-0.15	4.58E-02	1.00E+00
3228242	ENSG00000125484	-0.08	2.82E-01	1.00E+00
3228247	ENSG00000125484	0.07	3.33E-01	1.00E+00
3192529	ENSG00000125485	-0.33	6.01E-06	1.80E-02
3192530	ENSG00000125485	0.16	3.61E-02	1.00E+00
3192531	ENSG00000125485	0.00	9.73E-01	1.00E+00
3192536	ENSG00000125485	0.17	2.80E-02	1.00E+00
3192537	ENSG00000125485	-0.15	4.09E-02	1.00E+00
3192538	ENSG00000125485	0.22	2.74E-03	1.00E+00
3192539	ENSG00000125485	0.07	3.48E-01	1.00E+00
3904213	ENSG00000125995	-0.38	1.32E-07	3.96E-04
3904199	ENSG00000125995	0.34	4.69E-06	1.40E-02
3904193	ENSG00000125995	0.06	4.58E-01	1.00E+00
3904195	ENSG00000125995	-0.04	6.14E-01	1.00E+00
3904198	ENSG00000125995	0.08	3.13E-01	1.00E+00
3904201	ENSG00000125995	0.11	1.65E-01	1.00E+00
3904202	ENSG00000125995	0.24	1.36E-03	1.00E+00
3904207	ENSG00000125995	0.05	5.44E-01	1.00E+00
3904209	ENSG00000125995	0.03	6.96E-01	1.00E+00
3904211	ENSG00000125995	0.24	1.52E-03	1.00E+00
3904212	ENSG00000125995	0.06	4.22E-01	1.00E+00
3904218	ENSG00000125995	-0.11	1.47E-01	1.00E+00
3868010	ENSG00000126453	-0.55	1.46E-15	4.39E-12
3868007	ENSG00000126453	0.44	7.22E-10	2.16E-06
3868003	ENSG00000126453	0.41	2.02E-08	6.06E-05
3868008	ENSG00000126453	-0.35	1.49E-06	4.46E-03
3867999	ENSG00000126453	0.34	3.98E-06	1.19E-02
3867991	ENSG00000126453	-0.07	3.40E-01	1.00E+00
3867993	ENSG00000126453	0.27	3.56E-04	1.00E+00
3867997	ENSG00000126453	-0.11	1.52E-01	1.00E+00
3868006	ENSG00000126453	-0.18	1.91E-02	1.00E+00
3868011	ENSG00000126453	0.00	9.74E-01	1.00E+00
3838799	ENSG00000126456	-0.15	4.21E-02	1.00E+00
3838800	ENSG00000126456	0.18	1.49E-02	1.00E+00
3838801	ENSG00000126456	-0.01	9.03E-01	1.00E+00
3838802	ENSG00000126456	-0.11	1.29E-01	1.00E+00
3838804	ENSG00000126456	0.01	9.22E-01	1.00E+00
3838807	ENSG00000126456	0.16	3.54E-02	1.00E+00
3442446	ENSG00000126749	-0.53	7.15E-14	2.14E-10

3442429	ENSG000000126749	0.43	2.33E-09	6.96E-06
3442442	ENSG000000126749	0.32	1.49E-05	4.46E-02
3442448	ENSG000000126749	0.30	4.44E-05	1.33E-01
3442443	ENSG000000126749	0.29	9.83E-05	2.94E-01
3442439	ENSG000000126749	0.28	1.83E-04	5.49E-01
3442430	ENSG000000126749	0.12	1.17E-01	1.00E+00
3442432	ENSG000000126749	0.08	2.85E-01	1.00E+00
3442434	ENSG000000126749	0.01	8.97E-01	1.00E+00
3442435	ENSG000000126749	-0.04	6.30E-01	1.00E+00
3442436	ENSG000000126749	-0.08	3.08E-01	1.00E+00
3442441	ENSG000000126749	0.02	7.54E-01	1.00E+00
3442445	ENSG000000126749	0.15	4.37E-02	1.00E+00
3442456	ENSG000000126749	-0.08	2.84E-01	1.00E+00
3976936	ENSG000000126768	0.48	1.53E-11	4.59E-08
3976938	ENSG000000126768	0.37	3.00E-07	8.99E-04
3976935	ENSG000000126768	0.35	2.05E-06	6.13E-03
3976940	ENSG000000126768	0.34	2.84E-06	8.49E-03
3976941	ENSG000000126768	-0.29	1.10E-04	3.29E-01
3976932	ENSG000000126768	-0.10	1.77E-01	1.00E+00
3976939	ENSG000000126768	-0.17	2.20E-02	1.00E+00
3976943	ENSG000000126768	-0.23	2.05E-03	1.00E+00
3976946	ENSG000000126768	-0.02	8.28E-01	1.00E+00
3976947	ENSG000000126768	-0.15	4.86E-02	1.00E+00
3568331	ENSG000000126804	-0.69	3.07E-26	9.20E-23
3568319	ENSG000000126804	0.41	1.34E-08	4.02E-05
3568325	ENSG000000126804	0.32	1.23E-05	3.68E-02
3568320	ENSG000000126804	0.07	3.86E-01	1.00E+00
3568321	ENSG000000126804	0.08	3.21E-01	1.00E+00
3568329	ENSG000000126804	0.25	6.67E-04	1.00E+00
2315743	ENSG000000127054	0.57	1.40E-16	4.20E-13
2315745	ENSG000000127054	0.46	9.26E-11	2.77E-07
2315753	ENSG000000127054	-0.36	8.34E-07	2.50E-03
2315752	ENSG000000127054	-0.33	8.92E-06	2.67E-02
2315751	ENSG000000127054	-0.28	2.05E-04	6.13E-01
2315746	ENSG000000127054	-0.27	3.29E-04	9.86E-01
2315742	ENSG000000127054	-0.16	3.72E-02	1.00E+00
2315748	ENSG000000127054	0.05	5.47E-01	1.00E+00
2315756	ENSG000000127054	0.20	7.26E-03	1.00E+00
2756836	ENSG000000127415	-0.12	1.28E-01	1.00E+00
2756840	ENSG000000127415	-0.10	1.74E-01	1.00E+00
2756843	ENSG000000127415	0.13	9.78E-02	1.00E+00
2756845	ENSG000000127415	-0.21	5.95E-03	1.00E+00
2756846	ENSG000000127415	0.26	5.25E-04	1.00E+00
3645479	ENSG000000127564	0.11	1.46E-01	1.00E+00
3645480	ENSG000000127564	-0.22	3.88E-03	1.00E+00
3645481	ENSG000000127564	0.20	6.56E-03	1.00E+00
3645484	ENSG000000127564	-0.10	1.87E-01	1.00E+00
3645486	ENSG000000127564	-0.14	6.90E-02	1.00E+00
3944836	ENSG000000128345	0.41	1.66E-08	4.97E-05

3944849	ENSG00000128345	0.27	3.14E-04	9.39E-01
3944841	ENSG00000128345	0.08	3.08E-01	1.00E+00
3944845	ENSG00000128345	-0.14	6.30E-02	1.00E+00
3944846	ENSG00000128345	-0.08	3.16E-01	1.00E+00
3944847	ENSG00000128345	-0.20	8.22E-03	1.00E+00
3944851	ENSG00000128345	0.17	2.27E-02	1.00E+00
3944852	ENSG00000128345	0.00	9.80E-01	1.00E+00
3944853	ENSG00000128345	-0.14	6.65E-02	1.00E+00
3944854	ENSG00000128345	0.07	3.69E-01	1.00E+00
3944857	ENSG00000128345	-0.08	2.90E-01	1.00E+00
3944858	ENSG00000128345	0.02	8.25E-01	1.00E+00
3944877	ENSG00000128345	0.08	2.83E-01	1.00E+00
3944880	ENSG00000128345	-0.15	4.87E-02	1.00E+00
3944881	ENSG00000128345	-0.11	1.60E-01	1.00E+00
3861754	ENSG00000128626	0.64	8.87E-22	2.66E-18
3861771	ENSG00000128626	-0.53	5.22E-14	1.56E-10
3861749	ENSG00000128626	-0.44	1.53E-09	4.58E-06
3861750	ENSG00000128626	0.41	1.55E-08	4.65E-05
3861745	ENSG00000128626	0.39	6.54E-08	1.96E-04
3861766	ENSG00000128626	-0.39	1.29E-07	3.85E-04
3861756	ENSG00000128626	0.38	2.02E-07	6.04E-04
3861753	ENSG00000128626	-0.38	2.44E-07	7.32E-04
3861748	ENSG00000128626	0.38	2.45E-07	7.34E-04
3861746	ENSG00000128626	-0.25	7.00E-04	1.00E+00
3861759	ENSG00000128626	0.16	3.19E-02	1.00E+00
3743183	ENSG00000129235	-0.45	2.49E-10	7.47E-07
3743178	ENSG00000129235	0.38	2.07E-07	6.21E-04
3743169	ENSG00000129235	0.31	2.21E-05	6.62E-02
2824321	ENSG00000129625	0.10	2.09E-01	1.00E+00
2824322	ENSG00000129625	-0.10	2.09E-01	1.00E+00
3093266	ENSG00000129696	-0.32	1.22E-05	3.66E-02
3093264	ENSG00000129696	0.32	1.91E-05	5.72E-02
3093265	ENSG00000129696	-0.03	6.50E-01	1.00E+00
3093267	ENSG00000129696	-0.21	4.94E-03	1.00E+00
3093268	ENSG00000129696	0.19	1.17E-02	1.00E+00
3093270	ENSG00000129696	0.00	9.92E-01	1.00E+00
3093271	ENSG00000129696	-0.04	6.25E-01	1.00E+00
3093273	ENSG00000129696	-0.21	6.22E-03	1.00E+00
3272751	ENSG00000130640	-0.44	8.30E-10	2.49E-06
3272745	ENSG00000130640	0.30	6.85E-05	2.05E-01
3272741	ENSG00000130640	0.16	3.34E-02	1.00E+00
3272752	ENSG00000130640	-0.26	3.87E-04	1.00E+00
3272754	ENSG00000130640	-0.11	1.38E-01	1.00E+00
3820866	ENSG00000130733	0.09	2.22E-01	1.00E+00
3820867	ENSG00000130733	0.07	3.82E-01	1.00E+00
3820873	ENSG00000130733	-0.14	7.29E-02	1.00E+00
3820877	ENSG00000130733	-0.14	6.18E-02	1.00E+00
3820878	ENSG00000130733	-0.20	9.09E-03	1.00E+00
3820881	ENSG00000130733	0.16	3.89E-02	1.00E+00

3820882	ENSG00000130733	-0.08	3.20E-01	1.00E+00
3820883	ENSG00000130733	-0.10	2.10E-01	1.00E+00
3820884	ENSG00000130733	0.02	7.65E-01	1.00E+00
3820886	ENSG00000130733	0.02	7.87E-01	1.00E+00
3820890	ENSG00000130733	0.11	1.42E-01	1.00E+00
3820891	ENSG00000130733	-0.06	4.13E-01	1.00E+00
3820893	ENSG00000130733	0.02	7.82E-01	1.00E+00
3820894	ENSG00000130733	-0.03	6.91E-01	1.00E+00
3820895	ENSG00000130733	0.12	1.08E-01	1.00E+00
3820896	ENSG00000130733	0.10	1.78E-01	1.00E+00
3820898	ENSG00000130733	0.25	7.94E-04	1.00E+00
3820899	ENSG00000130733	0.00	9.73E-01	1.00E+00
3820900	ENSG00000130733	0.19	1.33E-02	1.00E+00
3820901	ENSG00000130733	0.16	2.92E-02	1.00E+00
3820902	ENSG00000130733	0.07	3.83E-01	1.00E+00
3820903	ENSG00000130733	-0.04	5.73E-01	1.00E+00
3820904	ENSG00000130733	-0.16	3.37E-02	1.00E+00
3820311	ENSG00000130812	-0.15	4.13E-02	1.00E+00
3820312	ENSG00000130812	0.00	9.88E-01	1.00E+00
3820313	ENSG00000130812	-0.12	1.12E-01	1.00E+00
3820314	ENSG00000130812	0.02	7.54E-01	1.00E+00
3820315	ENSG00000130812	0.09	2.34E-01	1.00E+00
3820316	ENSG00000130812	-0.02	8.39E-01	1.00E+00
3820322	ENSG00000130812	-0.03	6.99E-01	1.00E+00
3820324	ENSG00000130812	0.17	2.36E-02	1.00E+00
3820327	ENSG00000130812	0.17	2.59E-02	1.00E+00
3820328	ENSG00000130812	-0.06	4.05E-01	1.00E+00
3820329	ENSG00000130812	0.17	2.34E-02	1.00E+00
3820330	ENSG00000130812	0.08	2.98E-01	1.00E+00
3820337	ENSG00000130812	0.05	5.32E-01	1.00E+00
3820338	ENSG00000130812	-0.05	5.33E-01	1.00E+00
3820339	ENSG00000130812	0.04	5.84E-01	1.00E+00
3850028	ENSG00000130813	-0.33	5.99E-06	1.79E-02
3850027	ENSG00000130813	0.27	3.25E-04	9.72E-01
3850021	ENSG00000130813	0.19	1.29E-02	1.00E+00
3850022	ENSG00000130813	0.14	5.58E-02	1.00E+00
3850023	ENSG00000130813	-0.03	6.72E-01	1.00E+00
3850024	ENSG00000130813	-0.20	9.03E-03	1.00E+00
3850025	ENSG00000130813	0.15	4.14E-02	1.00E+00
3850026	ENSG00000130813	0.17	2.60E-02	1.00E+00
3850029	ENSG00000130813	0.08	3.00E-01	1.00E+00
3850030	ENSG00000130813	0.02	8.09E-01	1.00E+00
3850031	ENSG00000130813	-0.15	5.22E-02	1.00E+00
3850034	ENSG00000130813	0.26	4.39E-04	1.00E+00
2612217	ENSG00000131368	0.51	5.29E-13	1.58E-09
2612176	ENSG00000131368	-0.45	4.59E-10	1.38E-06
2612203	ENSG00000131368	0.40	2.69E-08	8.04E-05
2612225	ENSG00000131368	-0.40	2.96E-08	8.85E-05
2612223	ENSG00000131368	-0.39	8.70E-08	2.61E-04

2612215	ENSG000000131368	0.33	5.57E-06	1.67E-02
2612185	ENSG000000131368	-0.09	2.24E-01	1.00E+00
2612204	ENSG000000131368	-0.21	4.74E-03	1.00E+00
2612207	ENSG000000131368	-0.07	3.28E-01	1.00E+00
2612208	ENSG000000131368	-0.03	7.22E-01	1.00E+00
2612211	ENSG000000131368	-0.22	3.28E-03	1.00E+00
2612212	ENSG000000131368	0.11	1.43E-01	1.00E+00
2612214	ENSG000000131368	0.17	2.49E-02	1.00E+00
2612220	ENSG000000131368	-0.09	2.57E-01	1.00E+00
2612227	ENSG000000131368	0.07	3.26E-01	1.00E+00
2612230	ENSG000000131368	0.21	5.31E-03	1.00E+00
2612239	ENSG000000131368	-0.06	4.15E-01	1.00E+00
2612242	ENSG000000131368	0.07	3.58E-01	1.00E+00
3721888	ENSG000000131470	-0.17	2.28E-02	1.00E+00
3721891	ENSG000000131470	0.01	8.46E-01	1.00E+00
3721894	ENSG000000131470	0.08	2.63E-01	1.00E+00
3721897	ENSG000000131470	-0.12	1.19E-01	1.00E+00
3721899	ENSG000000131470	0.14	6.73E-02	1.00E+00
3721903	ENSG000000131470	0.04	5.71E-01	1.00E+00
3721905	ENSG000000131470	-0.17	2.08E-02	1.00E+00
3721907	ENSG000000131470	0.09	2.37E-01	1.00E+00
3721908	ENSG000000131470	0.17	2.29E-02	1.00E+00
2396771	ENSG000000132879	0.34	5.06E-06	1.51E-02
2396768	ENSG000000132879	-0.29	1.12E-04	3.35E-01
2396760	ENSG000000132879	0.07	3.25E-01	1.00E+00
2396766	ENSG000000132879	-0.02	8.40E-01	1.00E+00
3733972	ENSG000000133193	-0.47	7.38E-11	2.21E-07
3733971	ENSG000000133193	-0.40	3.52E-08	1.05E-04
3733954	ENSG000000133193	0.32	2.05E-05	6.13E-02
3733977	ENSG000000133193	0.30	4.52E-05	1.35E-01
3733952	ENSG000000133193	-0.22	3.75E-03	1.00E+00
3733956	ENSG000000133193	0.03	6.87E-01	1.00E+00
3733957	ENSG000000133193	0.23	1.75E-03	1.00E+00
3733962	ENSG000000133193	0.09	2.61E-01	1.00E+00
3733965	ENSG000000133193	0.00	9.72E-01	1.00E+00
3733969	ENSG000000133193	0.13	7.52E-02	1.00E+00
3733970	ENSG000000133193	0.12	1.24E-01	1.00E+00
3733979	ENSG000000133193	0.15	4.96E-02	1.00E+00
2427728	ENSG000000134255	-0.47	3.85E-11	1.15E-07
2427731	ENSG000000134255	-0.42	4.38E-09	1.31E-05
2427746	ENSG000000134255	-0.41	1.61E-08	4.82E-05
2427723	ENSG000000134255	0.39	6.65E-08	1.99E-04
2427730	ENSG000000134255	-0.39	1.04E-07	3.12E-04
2427752	ENSG000000134255	-0.35	2.39E-06	7.17E-03
2427725	ENSG000000134255	0.31	3.01E-05	9.01E-02
2427740	ENSG000000134255	0.30	6.63E-05	1.98E-01
2427726	ENSG000000134255	-0.27	3.09E-04	9.25E-01
2427724	ENSG000000134255	0.14	6.41E-02	1.00E+00
2427732	ENSG000000134255	0.20	7.10E-03	1.00E+00

2427735	ENSG00000134255	0.24	1.15E-03	1.00E+00
2427737	ENSG00000134255	0.00	9.78E-01	1.00E+00
2427741	ENSG00000134255	0.10	1.84E-01	1.00E+00
2427753	ENSG00000134255	0.14	6.59E-02	1.00E+00
2427754	ENSG00000134255	0.11	1.53E-01	1.00E+00
2427755	ENSG00000134255	-0.26	4.95E-04	1.00E+00
3375562	ENSG00000134824	-0.49	3.39E-12	1.01E-08
3375592	ENSG00000134824	-0.36	8.57E-07	2.57E-03
3375553	ENSG00000134824	0.35	1.63E-06	4.88E-03
3375589	ENSG00000134824	-0.31	2.80E-05	8.39E-02
3375548	ENSG00000134824	0.29	9.03E-05	2.70E-01
3375542	ENSG00000134824	0.23	1.81E-03	1.00E+00
3375544	ENSG00000134824	0.05	4.81E-01	1.00E+00
3375546	ENSG00000134824	0.20	6.63E-03	1.00E+00
3375547	ENSG00000134824	0.24	1.53E-03	1.00E+00
3375549	ENSG00000134824	0.06	4.12E-01	1.00E+00
3375550	ENSG00000134824	0.20	9.19E-03	1.00E+00
3375551	ENSG00000134824	0.06	4.65E-01	1.00E+00
3375552	ENSG00000134824	-0.11	1.51E-01	1.00E+00
3375554	ENSG00000134824	-0.11	1.54E-01	1.00E+00
3375559	ENSG00000134824	0.02	7.85E-01	1.00E+00
3375560	ENSG00000134824	0.08	2.83E-01	1.00E+00
3375563	ENSG00000134824	-0.13	9.26E-02	1.00E+00
3375564	ENSG00000134824	0.23	2.08E-03	1.00E+00
3375570	ENSG00000134824	-0.08	2.72E-01	1.00E+00
3375597	ENSG00000134824	-0.18	1.47E-02	1.00E+00
3433837	ENSG00000135090	0.44	9.89E-10	2.96E-06
3433840	ENSG00000135090	-0.39	5.99E-08	1.79E-04
3433839	ENSG00000135090	0.35	2.60E-06	7.78E-03
3433835	ENSG00000135090	0.31	2.96E-05	8.87E-02
3433838	ENSG00000135090	0.30	6.32E-05	1.89E-01
3433834	ENSG00000135090	-0.22	4.10E-03	1.00E+00
3433836	ENSG00000135090	0.19	1.26E-02	1.00E+00
3416982	ENSG00000135392	-0.27	2.79E-04	8.36E-01
3416981	ENSG00000135392	-0.08	2.84E-01	1.00E+00
3416983	ENSG00000135392	0.13	9.46E-02	1.00E+00
3416984	ENSG00000135392	0.12	1.02E-01	1.00E+00
2505391	ENSG00000136699	-0.50	1.94E-12	5.79E-09
2505403	ENSG00000136699	0.47	4.11E-11	1.23E-07
2505402	ENSG00000136699	-0.46	8.20E-11	2.45E-07
2505395	ENSG00000136699	0.42	4.41E-09	1.32E-05
2505407	ENSG00000136699	-0.37	4.55E-07	1.36E-03
2505392	ENSG00000136699	0.29	8.24E-05	2.47E-01
2505393	ENSG00000136699	0.00	9.73E-01	1.00E+00
2505394	ENSG00000136699	-0.20	7.85E-03	1.00E+00
3221554	ENSG00000136875	-0.52	8.17E-14	2.45E-10
3221547	ENSG00000136875	0.27	2.53E-04	7.58E-01
3221550	ENSG00000136875	0.15	4.96E-02	1.00E+00
3221551	ENSG00000136875	0.05	5.31E-01	1.00E+00

3168007	ENSG000000137101	-0.24	1.29E-03	1.00E+00
3168008	ENSG000000137101	-0.20	9.12E-03	1.00E+00
3168009	ENSG000000137101	0.11	1.54E-01	1.00E+00
3168010	ENSG000000137101	-0.03	7.35E-01	1.00E+00
3168011	ENSG000000137101	-0.19	1.11E-02	1.00E+00
3168012	ENSG000000137101	0.23	1.99E-03	1.00E+00
3168013	ENSG000000137101	0.19	1.28E-02	1.00E+00
3168015	ENSG000000137101	0.03	6.57E-01	1.00E+00
3168018	ENSG000000137101	0.16	3.76E-02	1.00E+00
3168020	ENSG000000137101	0.22	3.09E-03	1.00E+00
3168022	ENSG000000137101	0.12	1.11E-01	1.00E+00
3168024	ENSG000000137101	0.10	1.73E-01	1.00E+00
3168025	ENSG000000137101	0.17	2.13E-02	1.00E+00
3168026	ENSG000000137101	0.17	2.54E-02	1.00E+00
3168038	ENSG000000137135	-0.06	4.65E-01	1.00E+00
3168039	ENSG000000137135	0.07	3.55E-01	1.00E+00
3168040	ENSG000000137135	-0.17	2.79E-02	1.00E+00
3168041	ENSG000000137135	-0.01	8.56E-01	1.00E+00
3168045	ENSG000000137135	0.12	1.01E-01	1.00E+00
3168046	ENSG000000137135	-0.07	3.89E-01	1.00E+00
2905275	ENSG000000137168	-0.29	8.16E-05	2.44E-01
2905269	ENSG000000137168	0.21	5.33E-03	1.00E+00
2905270	ENSG000000137168	0.05	4.78E-01	1.00E+00
2905271	ENSG000000137168	-0.23	1.83E-03	1.00E+00
2905272	ENSG000000137168	-0.16	3.83E-02	1.00E+00
2905277	ENSG000000137168	0.08	3.17E-01	1.00E+00
2905278	ENSG000000137168	0.18	1.81E-02	1.00E+00
2905281	ENSG000000137168	-0.14	7.24E-02	1.00E+00
2905286	ENSG000000137168	0.20	8.10E-03	1.00E+00
2905287	ENSG000000137168	0.10	2.09E-01	1.00E+00
2905288	ENSG000000137168	-0.02	8.32E-01	1.00E+00
2905289	ENSG000000137168	-0.09	2.12E-01	1.00E+00
3136035	ENSG000000137574	-0.58	6.67E-17	2.00E-13
3136033	ENSG000000137574	0.37	3.41E-07	1.02E-03
3136041	ENSG000000137574	0.33	7.22E-06	2.16E-02
3136023	ENSG000000137574	0.22	3.17E-03	1.00E+00
3136026	ENSG000000137574	0.07	3.59E-01	1.00E+00
3136031	ENSG000000137574	-0.24	1.58E-03	1.00E+00
3136040	ENSG000000137574	0.14	5.57E-02	1.00E+00
2474323	ENSG000000138074	-0.01	8.72E-01	1.00E+00
2474326	ENSG000000138074	-0.19	9.53E-03	1.00E+00
2474328	ENSG000000138074	-0.01	9.12E-01	1.00E+00
2474329	ENSG000000138074	-0.07	3.66E-01	1.00E+00
2474332	ENSG000000138074	0.09	2.15E-01	1.00E+00
2474333	ENSG000000138074	0.16	3.84E-02	1.00E+00
2474334	ENSG000000138074	0.09	2.44E-01	1.00E+00
2474336	ENSG000000138074	0.05	5.50E-01	1.00E+00
2474338	ENSG000000138074	-0.16	3.52E-02	1.00E+00
2474340	ENSG000000138074	0.03	7.33E-01	1.00E+00

2481169	ENSG000000138081	-0.56	4.25E-16	1.27E-12
2481164	ENSG000000138081	-0.56	4.59E-16	1.37E-12
2481163	ENSG000000138081	0.55	5.22E-15	1.56E-11
2481159	ENSG000000138081	0.07	3.24E-01	1.00E+00
2481160	ENSG000000138081	0.02	8.39E-01	1.00E+00
2481170	ENSG000000138081	0.05	4.82E-01	1.00E+00
2481171	ENSG000000138081	-0.09	2.50E-01	1.00E+00
2481173	ENSG000000138081	0.16	3.43E-02	1.00E+00
2481174	ENSG000000138081	-0.07	3.55E-01	1.00E+00
2481175	ENSG000000138081	-0.18	1.85E-02	1.00E+00
2545569	ENSG000000138085	0.55	4.92E-15	1.47E-11
2545557	ENSG000000138085	0.49	5.19E-12	1.55E-08
2545564	ENSG000000138085	0.45	4.80E-10	1.44E-06
2545572	ENSG000000138085	-0.41	2.22E-08	6.64E-05
2545576	ENSG000000138085	-0.41	2.41E-08	7.20E-05
2545562	ENSG000000138085	-0.40	4.86E-08	1.46E-04
2545580	ENSG000000138085	-0.35	1.45E-06	4.34E-03
2545556	ENSG000000138085	0.31	3.41E-05	1.02E-01
2545558	ENSG000000138085	0.02	7.93E-01	1.00E+00
2545561	ENSG000000138085	-0.22	3.40E-03	1.00E+00
2545566	ENSG000000138085	-0.20	7.99E-03	1.00E+00
2545574	ENSG000000138085	0.14	6.48E-02	1.00E+00
2545575	ENSG000000138085	-0.16	3.53E-02	1.00E+00
2545578	ENSG000000138085	0.16	3.34E-02	1.00E+00
2545581	ENSG000000138085	0.18	1.43E-02	1.00E+00
2545584	ENSG000000138085	-0.02	7.77E-01	1.00E+00
2545585	ENSG000000138085	-0.25	9.35E-04	1.00E+00
2545586	ENSG000000138085	-0.19	9.80E-03	1.00E+00
2638971	ENSG000000138496	-0.50	2.67E-12	8.00E-09
2638970	ENSG000000138496	0.47	5.02E-11	1.50E-07
2638965	ENSG000000138496	-0.46	2.17E-10	6.49E-07
2638982	ENSG000000138496	-0.41	2.22E-08	6.64E-05
2638973	ENSG000000138496	0.40	3.73E-08	1.12E-04
2638967	ENSG000000138496	0.35	1.45E-06	4.33E-03
2638964	ENSG000000138496	-0.35	2.42E-06	7.25E-03
2638979	ENSG000000138496	-0.34	2.95E-06	8.82E-03
2638969	ENSG000000138496	-0.33	1.08E-05	3.22E-02
2638975	ENSG000000138496	0.29	7.47E-05	2.24E-01
2638976	ENSG000000138496	0.29	9.53E-05	2.85E-01
2638981	ENSG000000138496	-0.29	1.06E-04	3.17E-01
2638968	ENSG000000138496	0.21	4.73E-03	1.00E+00
2638972	ENSG000000138496	-0.21	6.01E-03	1.00E+00
2638977	ENSG000000138496	0.05	4.93E-01	1.00E+00
2638978	ENSG000000138496	-0.14	6.13E-02	1.00E+00
2638980	ENSG000000138496	0.20	8.03E-03	1.00E+00
2739169	ENSG000000138794	-0.34	4.25E-06	1.27E-02
2739186	ENSG000000138794	-0.31	2.58E-05	7.73E-02
2739199	ENSG000000138794	0.31	3.33E-05	9.98E-02
2739194	ENSG000000138794	0.30	6.35E-05	1.90E-01

2739177	ENSG000000138794	0.08	3.19E-01	1.00E+00
2739178	ENSG000000138794	0.04	5.62E-01	1.00E+00
2739179	ENSG000000138794	-0.01	9.11E-01	1.00E+00
2739181	ENSG000000138794	0.18	1.92E-02	1.00E+00
2739184	ENSG000000138794	0.03	7.26E-01	1.00E+00
2739188	ENSG000000138794	-0.18	1.54E-02	1.00E+00
2739192	ENSG000000138794	0.10	1.79E-01	1.00E+00
2739193	ENSG000000138794	0.07	3.56E-01	1.00E+00
2739196	ENSG000000138794	0.21	5.11E-03	1.00E+00
2739197	ENSG000000138794	0.13	7.88E-02	1.00E+00
3462711	ENSG000000139278	-0.40	3.01E-08	9.00E-05
3462723	ENSG000000139278	-0.34	3.86E-06	1.16E-02
3462719	ENSG000000139278	0.29	8.50E-05	2.55E-01
3462701	ENSG000000139278	-0.10	1.85E-01	1.00E+00
3462704	ENSG000000139278	0.06	4.63E-01	1.00E+00
3462705	ENSG000000139278	0.21	6.20E-03	1.00E+00
3462706	ENSG000000139278	0.04	5.60E-01	1.00E+00
3462710	ENSG000000139278	-0.13	9.17E-02	1.00E+00
3462712	ENSG000000139278	0.20	9.35E-03	1.00E+00
3462714	ENSG000000139278	-0.23	2.20E-03	1.00E+00
3462721	ENSG000000139278	0.20	6.67E-03	1.00E+00
3462722	ENSG000000139278	0.08	3.01E-01	1.00E+00
3462724	ENSG000000139278	-0.07	3.30E-01	1.00E+00
3462727	ENSG000000139278	-0.13	9.82E-02	1.00E+00
3607571	ENSG000000140521	-0.46	1.48E-10	4.42E-07
3607588	ENSG000000140521	-0.39	5.97E-08	1.79E-04
3607567	ENSG000000140521	-0.36	7.16E-07	2.14E-03
3607536	ENSG000000140521	0.32	1.32E-05	3.96E-02
3607549	ENSG000000140521	-0.32	1.64E-05	4.90E-02
3607558	ENSG000000140521	-0.30	4.60E-05	1.38E-01
3607573	ENSG000000140521	-0.27	2.47E-04	7.39E-01
3607514	ENSG000000140521	-0.23	2.02E-03	1.00E+00
3607516	ENSG000000140521	0.14	5.73E-02	1.00E+00
3607519	ENSG000000140521	0.18	1.51E-02	1.00E+00
3607520	ENSG000000140521	-0.04	5.61E-01	1.00E+00
3607522	ENSG000000140521	0.05	5.13E-01	1.00E+00
3607524	ENSG000000140521	-0.01	8.86E-01	1.00E+00
3607525	ENSG000000140521	0.12	1.06E-01	1.00E+00
3607528	ENSG000000140521	-0.08	2.99E-01	1.00E+00
3607532	ENSG000000140521	0.07	3.29E-01	1.00E+00
3607538	ENSG000000140521	0.21	4.40E-03	1.00E+00
3607539	ENSG000000140521	0.21	5.05E-03	1.00E+00
3607540	ENSG000000140521	-0.26	5.71E-04	1.00E+00
3607541	ENSG000000140521	0.01	8.49E-01	1.00E+00
3607542	ENSG000000140521	-0.25	6.80E-04	1.00E+00
3607544	ENSG000000140521	0.25	8.90E-04	1.00E+00
3607546	ENSG000000140521	0.19	1.01E-02	1.00E+00
3607548	ENSG000000140521	0.14	6.28E-02	1.00E+00
3607550	ENSG000000140521	-0.04	5.78E-01	1.00E+00

3607553	ENSG00000140521	-0.09	2.29E-01	1.00E+00
3607556	ENSG00000140521	-0.03	6.63E-01	1.00E+00
3607557	ENSG00000140521	0.15	4.05E-02	1.00E+00
3607559	ENSG00000140521	0.20	8.10E-03	1.00E+00
3607560	ENSG00000140521	0.07	3.59E-01	1.00E+00
3607565	ENSG00000140521	-0.09	2.33E-01	1.00E+00
3607566	ENSG00000140521	0.18	1.50E-02	1.00E+00
3607569	ENSG00000140521	0.03	6.64E-01	1.00E+00
3607570	ENSG00000140521	0.10	1.72E-01	1.00E+00
3607572	ENSG00000140521	-0.16	3.40E-02	1.00E+00
3607574	ENSG00000140521	0.06	4.52E-01	1.00E+00
3607575	ENSG00000140521	0.09	2.38E-01	1.00E+00
3607576	ENSG00000140521	0.17	2.52E-02	1.00E+00
3607577	ENSG00000140521	0.09	2.18E-01	1.00E+00
3607583	ENSG00000140521	0.26	4.21E-04	1.00E+00
3607585	ENSG00000140521	0.08	2.68E-01	1.00E+00
3607589	ENSG00000140521	-0.10	1.98E-01	1.00E+00
3638383	ENSG00000140525	-0.49	3.82E-12	1.14E-08
3638368	ENSG00000140525	-0.42	5.80E-09	1.74E-05
3638359	ENSG00000140525	0.41	1.55E-08	4.64E-05
3638351	ENSG00000140525	-0.36	1.06E-06	3.17E-03
3638349	ENSG00000140525	0.35	1.49E-06	4.45E-03
3638375	ENSG00000140525	0.32	1.62E-05	4.86E-02
3638376	ENSG00000140525	0.31	3.22E-05	9.65E-02
3638341	ENSG00000140525	0.07	3.83E-01	1.00E+00
3638345	ENSG00000140525	0.05	5.22E-01	1.00E+00
3638348	ENSG00000140525	-0.03	7.35E-01	1.00E+00
3638354	ENSG00000140525	0.01	8.57E-01	1.00E+00
3638356	ENSG00000140525	-0.05	4.77E-01	1.00E+00
3638358	ENSG00000140525	-0.26	6.28E-04	1.00E+00
3638363	ENSG00000140525	0.26	5.52E-04	1.00E+00
3638366	ENSG00000140525	-0.09	2.55E-01	1.00E+00
3638371	ENSG00000140525	0.11	1.61E-01	1.00E+00
3638374	ENSG00000140525	0.06	4.47E-01	1.00E+00
3638377	ENSG00000140525	0.08	2.78E-01	1.00E+00
3638378	ENSG00000140525	-0.21	5.89E-03	1.00E+00
3638379	ENSG00000140525	0.08	2.73E-01	1.00E+00
3638380	ENSG00000140525	0.10	1.81E-01	1.00E+00
3638381	ENSG00000140525	-0.20	6.73E-03	1.00E+00
3639018	ENSG00000140553	-0.33	7.37E-06	2.21E-02
3639010	ENSG00000140553	0.32	1.41E-05	4.21E-02
3639009	ENSG00000140553	0.17	2.65E-02	1.00E+00
3766912	ENSG00000141325	-0.40	3.71E-08	1.11E-04
3766895	ENSG00000141325	0.37	4.35E-07	1.30E-03
3766936	ENSG00000141325	-0.33	7.92E-06	2.37E-02
3766937	ENSG00000141325	-0.33	9.55E-06	2.86E-02
3766926	ENSG00000141325	-0.31	2.20E-05	6.59E-02
3766915	ENSG00000141325	0.31	2.21E-05	6.61E-02
3766906	ENSG00000141325	-0.30	6.01E-05	1.80E-01

3766924	ENSG000000141325	-0.29	7.70E-05	2.31E-01
3766900	ENSG000000141325	0.29	1.19E-04	3.57E-01
3766907	ENSG000000141325	-0.27	2.55E-04	7.64E-01
3766896	ENSG000000141325	0.00	9.50E-01	1.00E+00
3766898	ENSG000000141325	0.18	1.59E-02	1.00E+00
3766899	ENSG000000141325	-0.04	5.85E-01	1.00E+00
3766901	ENSG000000141325	-0.15	4.32E-02	1.00E+00
3766902	ENSG000000141325	-0.12	1.00E-01	1.00E+00
3766903	ENSG000000141325	0.01	8.62E-01	1.00E+00
3766904	ENSG000000141325	0.21	5.50E-03	1.00E+00
3766905	ENSG000000141325	-0.13	9.64E-02	1.00E+00
3766908	ENSG000000141325	-0.14	6.48E-02	1.00E+00
3766909	ENSG000000141325	-0.05	5.01E-01	1.00E+00
3766910	ENSG000000141325	-0.23	2.42E-03	1.00E+00
3766911	ENSG000000141325	0.08	2.78E-01	1.00E+00
3766914	ENSG000000141325	0.07	3.26E-01	1.00E+00
3766916	ENSG000000141325	0.00	9.58E-01	1.00E+00
3766917	ENSG000000141325	0.20	6.64E-03	1.00E+00
3766918	ENSG000000141325	-0.01	8.90E-01	1.00E+00
3766920	ENSG000000141325	0.08	2.76E-01	1.00E+00
3766922	ENSG000000141325	-0.12	1.25E-01	1.00E+00
3766927	ENSG000000141325	0.03	6.69E-01	1.00E+00
3766928	ENSG000000141325	0.03	6.65E-01	1.00E+00
3766929	ENSG000000141325	-0.22	3.32E-03	1.00E+00
3766930	ENSG000000141325	0.07	3.75E-01	1.00E+00
3766931	ENSG000000141325	0.09	2.27E-01	1.00E+00
3766932	ENSG000000141325	0.16	3.54E-02	1.00E+00
3766935	ENSG000000141325	0.05	5.30E-01	1.00E+00
3315515	ENSG000000142082	0.42	8.52E-09	2.55E-05
3315531	ENSG000000142082	-0.41	1.03E-08	3.07E-05
3315514	ENSG000000142082	-0.34	5.20E-06	1.56E-02
3315517	ENSG000000142082	-0.27	3.25E-04	9.73E-01
3315518	ENSG000000142082	0.00	9.69E-01	1.00E+00
3315519	ENSG000000142082	-0.22	4.15E-03	1.00E+00
3315520	ENSG000000142082	0.09	2.51E-01	1.00E+00
3315522	ENSG000000142082	0.14	6.75E-02	1.00E+00
3315523	ENSG000000142082	-0.05	5.36E-01	1.00E+00
3315525	ENSG000000142082	0.18	2.01E-02	1.00E+00
3315527	ENSG000000142082	0.02	7.61E-01	1.00E+00
3315529	ENSG000000142082	-0.23	2.51E-03	1.00E+00
3315532	ENSG000000142082	0.25	8.54E-04	1.00E+00
3315533	ENSG000000142082	0.15	5.22E-02	1.00E+00
3315534	ENSG000000142082	-0.18	1.93E-02	1.00E+00
3315535	ENSG000000142082	0.24	1.51E-03	1.00E+00
3850585	ENSG000000142453	-0.48	1.26E-11	3.76E-08
3850591	ENSG000000142453	0.36	6.43E-07	1.92E-03
3850600	ENSG000000142453	0.34	2.98E-06	8.94E-03
3850588	ENSG000000142453	0.29	1.14E-04	3.40E-01
3850590	ENSG000000142453	0.27	2.61E-04	7.82E-01

3850584	ENSG00000142453	0.20	7.40E-03	1.00E+00
3850586	ENSG00000142453	-0.02	8.28E-01	1.00E+00
3850587	ENSG00000142453	0.10	2.03E-01	1.00E+00
3850592	ENSG00000142453	-0.12	1.01E-01	1.00E+00
3850593	ENSG00000142453	-0.19	9.94E-03	1.00E+00
3850596	ENSG00000142453	-0.23	2.10E-03	1.00E+00
3850603	ENSG00000142453	-0.04	5.97E-01	1.00E+00
2623159	ENSG00000145041	-0.40	2.87E-08	8.58E-05
2623167	ENSG00000145041	0.31	3.48E-05	1.04E-01
2623158	ENSG00000145041	0.14	6.36E-02	1.00E+00
2623160	ENSG00000145041	0.02	7.53E-01	1.00E+00
2623162	ENSG00000145041	-0.09	2.60E-01	1.00E+00
2623163	ENSG00000145041	-0.13	9.40E-02	1.00E+00
2623164	ENSG00000145041	0.20	7.03E-03	1.00E+00
2714444	ENSG00000145217	-0.34	3.59E-06	1.07E-02
2714445	ENSG00000145217	0.34	4.06E-06	1.21E-02
2714442	ENSG00000145217	-0.33	5.85E-06	1.75E-02
2714448	ENSG00000145217	0.30	5.13E-05	1.54E-01
2714418	ENSG00000145217	-0.03	7.15E-01	1.00E+00
2714424	ENSG00000145217	0.03	6.73E-01	1.00E+00
2714432	ENSG00000145217	0.24	1.43E-03	1.00E+00
2714437	ENSG00000145217	-0.18	1.71E-02	1.00E+00
2714439	ENSG00000145217	-0.09	2.52E-01	1.00E+00
2714440	ENSG00000145217	0.20	9.21E-03	1.00E+00
2824875	ENSG00000145782	-0.43	2.10E-09	6.30E-06
2824886	ENSG00000145782	-0.38	1.57E-07	4.71E-04
2824882	ENSG00000145782	0.36	1.23E-06	3.68E-03
2824881	ENSG00000145782	0.31	3.48E-05	1.04E-01
2824899	ENSG00000145782	0.29	9.29E-05	2.78E-01
2824883	ENSG00000145782	-0.28	1.28E-04	3.83E-01
2824897	ENSG00000145782	-0.28	1.30E-04	3.89E-01
2824884	ENSG00000145782	0.14	6.31E-02	1.00E+00
2824898	ENSG00000145782	-0.11	1.52E-01	1.00E+00
3074196	ENSG00000146859	-0.35	2.57E-06	7.70E-03
3074178	ENSG00000146859	-0.01	8.95E-01	1.00E+00
3074179	ENSG00000146859	-0.02	7.68E-01	1.00E+00
3074180	ENSG00000146859	-0.17	2.26E-02	1.00E+00
3074181	ENSG00000146859	0.00	9.86E-01	1.00E+00
3074182	ENSG00000146859	-0.13	9.29E-02	1.00E+00
3074183	ENSG00000146859	-0.06	4.33E-01	1.00E+00
3074189	ENSG00000146859	0.23	1.87E-03	1.00E+00
3074190	ENSG00000146859	0.20	8.54E-03	1.00E+00
3074191	ENSG00000146859	0.12	1.09E-01	1.00E+00
3074192	ENSG00000146859	0.24	1.27E-03	1.00E+00
3976022	ENSG00000147123	0.44	8.59E-10	2.57E-06
3976042	ENSG00000147123	-0.37	5.47E-07	1.64E-03
3975990	ENSG00000147123	-0.35	1.51E-06	4.53E-03
3976026	ENSG00000147123	0.34	3.56E-06	1.07E-02
3976021	ENSG00000147123	0.32	1.08E-05	3.23E-02

3976028	ENSG000000147123	0.29	7.48E-05	2.24E-01
3976010	ENSG000000147123	-0.29	7.93E-05	2.37E-01
3975989	ENSG000000147123	0.17	2.50E-02	1.00E+00
3975993	ENSG000000147123	0.00	9.55E-01	1.00E+00
3975999	ENSG000000147123	0.17	2.46E-02	1.00E+00
3976006	ENSG000000147123	0.17	2.62E-02	1.00E+00
3976007	ENSG000000147123	0.12	1.26E-01	1.00E+00
3976012	ENSG000000147123	-0.21	5.76E-03	1.00E+00
3976014	ENSG000000147123	0.21	5.43E-03	1.00E+00
3976018	ENSG000000147123	0.18	1.78E-02	1.00E+00
3976020	ENSG000000147123	-0.12	1.14E-01	1.00E+00
3976027	ENSG000000147123	0.21	4.28E-03	1.00E+00
3976029	ENSG000000147123	0.22	3.06E-03	1.00E+00
3976035	ENSG000000147123	-0.10	1.75E-01	1.00E+00
3976036	ENSG000000147123	0.08	3.19E-01	1.00E+00
3976037	ENSG000000147123	-0.09	2.27E-01	1.00E+00
3976038	ENSG000000147123	0.04	6.29E-01	1.00E+00
3976040	ENSG000000147123	-0.09	2.22E-01	1.00E+00
3976041	ENSG000000147123	0.03	7.02E-01	1.00E+00
3094516	ENSG000000147535	-0.27	3.60E-04	1.00E+00
3094519	ENSG000000147535	0.02	8.04E-01	1.00E+00
3094526	ENSG000000147535	0.01	9.26E-01	1.00E+00
3094527	ENSG000000147535	0.12	1.06E-01	1.00E+00
3094528	ENSG000000147535	0.03	7.05E-01	1.00E+00
3094530	ENSG000000147535	-0.20	7.08E-03	1.00E+00
3094533	ENSG000000147535	-0.11	1.35E-01	1.00E+00
3094536	ENSG000000147535	0.06	4.00E-01	1.00E+00
3094537	ENSG000000147535	0.06	4.48E-01	1.00E+00
3094538	ENSG000000147535	0.04	5.64E-01	1.00E+00
3094543	ENSG000000147535	0.19	1.12E-02	1.00E+00
3094545	ENSG000000147535	-0.06	4.46E-01	1.00E+00
3094546	ENSG000000147535	0.25	9.18E-04	1.00E+00
3094548	ENSG000000147535	-0.05	4.80E-01	1.00E+00
3094549	ENSG000000147535	-0.12	1.09E-01	1.00E+00
3094550	ENSG000000147535	-0.04	5.60E-01	1.00E+00
3094551	ENSG000000147535	0.10	2.04E-01	1.00E+00
3094555	ENSG000000147535	0.11	1.63E-01	1.00E+00
3114619	ENSG000000147687	-0.17	2.48E-02	1.00E+00
3114620	ENSG000000147687	0.10	1.66E-01	1.00E+00
3114625	ENSG000000147687	0.04	5.90E-01	1.00E+00
3114626	ENSG000000147687	-0.02	8.32E-01	1.00E+00
3114627	ENSG000000147687	0.20	6.65E-03	1.00E+00
3224273	ENSG000000148187	-0.55	3.52E-15	1.05E-11
3224262	ENSG000000148187	0.04	5.84E-01	1.00E+00
3224264	ENSG000000148187	-0.08	2.73E-01	1.00E+00
3224265	ENSG000000148187	0.22	3.45E-03	1.00E+00
3224266	ENSG000000148187	-0.12	1.01E-01	1.00E+00
3224271	ENSG000000148187	0.17	2.84E-02	1.00E+00
3224277	ENSG000000148187	0.22	3.06E-03	1.00E+00

3224280	ENSG00000148187	0.02	8.11E-01	1.00E+00
3304748	ENSG00000148835	0.16	3.19E-02	1.00E+00
3304750	ENSG00000148835	-0.03	7.06E-01	1.00E+00
3304752	ENSG00000148835	0.08	3.07E-01	1.00E+00
3304753	ENSG00000148835	-0.17	2.21E-02	1.00E+00
3304754	ENSG00000148835	0.16	3.80E-02	1.00E+00
3304756	ENSG00000148835	-0.03	7.20E-01	1.00E+00
3375314	ENSG00000149483	-0.40	3.10E-08	9.27E-05
3375324	ENSG00000149483	-0.38	2.32E-07	6.94E-04
3375330	ENSG00000149483	0.37	3.58E-07	1.07E-03
3375311	ENSG00000149483	-0.37	5.77E-07	1.73E-03
3375318	ENSG00000149483	0.32	1.96E-05	5.88E-02
3375316	ENSG00000149483	0.27	2.31E-04	6.93E-01
3375310	ENSG00000149483	-0.11	1.39E-01	1.00E+00
3375312	ENSG00000149483	0.12	1.09E-01	1.00E+00
3375313	ENSG00000149483	-0.06	4.30E-01	1.00E+00
3375315	ENSG00000149483	0.04	6.23E-01	1.00E+00
3375317	ENSG00000149483	0.25	7.35E-04	1.00E+00
3375319	ENSG00000149483	-0.23	2.35E-03	1.00E+00
3375320	ENSG00000149483	-0.14	5.67E-02	1.00E+00
3375323	ENSG00000149483	-0.18	1.82E-02	1.00E+00
3375325	ENSG00000149483	0.14	6.02E-02	1.00E+00
3375326	ENSG00000149483	0.00	9.53E-01	1.00E+00
3333277	ENSG00000149485	-0.49	6.45E-12	1.93E-08
3333275	ENSG00000149485	0.48	2.19E-11	6.55E-08
3333282	ENSG00000149485	0.42	7.43E-09	2.22E-05
3333270	ENSG00000149485	0.41	1.31E-08	3.92E-05
3333264	ENSG00000149485	-0.38	2.31E-07	6.91E-04
3333259	ENSG00000149485	-0.31	3.79E-05	1.14E-01
3333279	ENSG00000149485	0.28	1.99E-04	5.96E-01
3333251	ENSG00000149485	0.19	1.14E-02	1.00E+00
3333252	ENSG00000149485	-0.13	9.21E-02	1.00E+00
3333255	ENSG00000149485	-0.01	8.76E-01	1.00E+00
3333256	ENSG00000149485	-0.22	3.45E-03	1.00E+00
3333258	ENSG00000149485	-0.12	1.11E-01	1.00E+00
3333262	ENSG00000149485	-0.25	1.03E-03	1.00E+00
3333269	ENSG00000149485	-0.06	4.66E-01	1.00E+00
3333273	ENSG00000149485	0.07	3.82E-01	1.00E+00
3333274	ENSG00000149485	0.22	3.25E-03	1.00E+00
3333278	ENSG00000149485	0.21	4.58E-03	1.00E+00
3333280	ENSG00000149485	0.17	2.46E-02	1.00E+00
3333281	ENSG00000149485	-0.12	1.14E-01	1.00E+00
3333283	ENSG00000149485	0.18	1.62E-02	1.00E+00
3333294	ENSG00000149485	0.02	7.58E-01	1.00E+00
3334273	ENSG00000149743	0.38	2.55E-07	7.62E-04
3334271	ENSG00000149743	0.32	1.19E-05	3.56E-02
3334269	ENSG00000149743	0.31	3.15E-05	9.44E-02
3334260	ENSG00000149743	-0.18	1.70E-02	1.00E+00
3334261	ENSG00000149743	-0.17	2.32E-02	1.00E+00

3334262	ENSG00000149743	-0.20	6.67E-03	1.00E+00
3334263	ENSG00000149743	-0.04	5.93E-01	1.00E+00
3334264	ENSG00000149743	0.02	8.40E-01	1.00E+00
3334265	ENSG00000149743	-0.26	6.15E-04	1.00E+00
3334266	ENSG00000149743	-0.19	1.13E-02	1.00E+00
3334267	ENSG00000149743	-0.23	2.65E-03	1.00E+00
3334268	ENSG00000149743	0.14	7.01E-02	1.00E+00
3334274	ENSG00000149743	0.07	3.62E-01	1.00E+00
3334275	ENSG00000149743	0.02	7.53E-01	1.00E+00
3334276	ENSG00000149743	0.00	9.96E-01	1.00E+00
3376792	ENSG00000149781	0.31	2.89E-05	8.65E-02
3376783	ENSG00000149781	-0.12	1.12E-01	1.00E+00
3376784	ENSG00000149781	-0.24	1.15E-03	1.00E+00
3376785	ENSG00000149781	-0.03	6.79E-01	1.00E+00
3376787	ENSG00000149781	0.09	2.41E-01	1.00E+00
3376790	ENSG00000149781	0.23	2.37E-03	1.00E+00
3376791	ENSG00000149781	0.12	1.14E-01	1.00E+00
3376798	ENSG00000149781	-0.24	1.07E-03	1.00E+00
2480523	ENSG00000151665	-0.55	1.96E-15	5.87E-12
2480549	ENSG00000151665	0.55	3.03E-15	9.06E-12
2480548	ENSG00000151665	0.55	3.22E-15	9.63E-12
2480535	ENSG00000151665	0.54	8.38E-15	2.51E-11
2480522	ENSG00000151665	-0.53	3.87E-14	1.16E-10
2480526	ENSG00000151665	-0.49	2.90E-12	8.70E-09
2480525	ENSG00000151665	-0.44	1.48E-09	4.42E-06
2480537	ENSG00000151665	0.29	8.43E-05	2.52E-01
2480524	ENSG00000151665	-0.17	2.43E-02	1.00E+00
2480530	ENSG00000151665	0.26	4.50E-04	1.00E+00
2480538	ENSG00000151665	0.23	2.53E-03	1.00E+00
2480544	ENSG00000151665	0.23	2.59E-03	1.00E+00
2575899	ENSG00000152082	0.40	3.07E-08	9.20E-05
2575909	ENSG00000152082	-0.38	2.22E-07	6.66E-04
2575924	ENSG00000152082	-0.37	5.63E-07	1.69E-03
2575941	ENSG00000152082	0.34	5.23E-06	1.57E-02
2575928	ENSG00000152082	-0.33	7.56E-06	2.26E-02
2575904	ENSG00000152082	0.32	1.17E-05	3.50E-02
2575900	ENSG00000152082	0.32	1.44E-05	4.31E-02
2575912	ENSG00000152082	0.28	1.80E-04	5.38E-01
2575898	ENSG00000152082	0.06	4.31E-01	1.00E+00
2575901	ENSG00000152082	0.19	9.86E-03	1.00E+00
2575906	ENSG00000152082	0.16	3.91E-02	1.00E+00
2575914	ENSG00000152082	-0.18	1.66E-02	1.00E+00
2575919	ENSG00000152082	-0.09	2.36E-01	1.00E+00
2575921	ENSG00000152082	-0.09	2.34E-01	1.00E+00
2575923	ENSG00000152082	-0.15	4.44E-02	1.00E+00
2575927	ENSG00000152082	-0.23	2.10E-03	1.00E+00
2575930	ENSG00000152082	-0.23	2.17E-03	1.00E+00
2575932	ENSG00000152082	-0.21	4.17E-03	1.00E+00
2575934	ENSG00000152082	0.02	8.30E-01	1.00E+00

2575935	ENSG00000152082	0.00	9.68E-01	1.00E+00
2575936	ENSG00000152082	0.27	3.65E-04	1.00E+00
2575938	ENSG00000152082	0.08	3.06E-01	1.00E+00
2575939	ENSG00000152082	0.18	1.90E-02	1.00E+00
2868183	ENSG00000153113	-0.60	1.57E-18	4.71E-15
2868179	ENSG00000153113	-0.51	3.69E-13	1.10E-09
2868146	ENSG00000153113	0.48	9.84E-12	2.95E-08
2868157	ENSG00000153113	0.48	1.18E-11	3.52E-08
2868160	ENSG00000153113	-0.48	1.35E-11	4.05E-08
2868155	ENSG00000153113	-0.47	5.43E-11	1.62E-07
2868170	ENSG00000153113	-0.43	3.22E-09	9.64E-06
2868181	ENSG00000153113	-0.43	3.41E-09	1.02E-05
2868168	ENSG00000153113	0.43	4.06E-09	1.22E-05
2868161	ENSG00000153113	-0.42	4.65E-09	1.39E-05
2868169	ENSG00000153113	0.39	1.19E-07	3.57E-04
2868156	ENSG00000153113	-0.34	3.52E-06	1.05E-02
2868143	ENSG00000153113	0.34	4.82E-06	1.44E-02
2868182	ENSG00000153113	0.33	6.28E-06	1.88E-02
2868142	ENSG00000153113	0.31	2.86E-05	8.56E-02
2868172	ENSG00000153113	-0.29	1.02E-04	3.06E-01
2868141	ENSG00000153113	0.29	1.06E-04	3.16E-01
2868144	ENSG00000153113	0.05	5.49E-01	1.00E+00
2868145	ENSG00000153113	0.03	7.15E-01	1.00E+00
2868151	ENSG00000153113	0.25	7.43E-04	1.00E+00
2868152	ENSG00000153113	-0.14	6.26E-02	1.00E+00
2868154	ENSG00000153113	0.12	9.85E-02	1.00E+00
2868173	ENSG00000153113	-0.10	1.72E-01	1.00E+00
2868176	ENSG00000153113	-0.23	2.09E-03	1.00E+00
2868177	ENSG00000153113	-0.16	3.71E-02	1.00E+00
2868178	ENSG00000153113	-0.09	2.61E-01	1.00E+00
2868180	ENSG00000153113	0.16	2.92E-02	1.00E+00
2352435	ENSG00000155380	-0.02	8.10E-01	1.00E+00
2352436	ENSG00000155380	0.02	8.21E-01	1.00E+00
2351636	ENSG00000156171	-0.79	1.31E-38	3.93E-35
2351654	ENSG00000156171	0.54	9.41E-15	2.82E-11
2351659	ENSG00000156171	0.47	5.42E-11	1.62E-07
2351663	ENSG00000156171	-0.44	1.15E-09	3.43E-06
2351646	ENSG00000156171	-0.36	6.70E-07	2.01E-03
2351674	ENSG00000156171	0.36	8.47E-07	2.54E-03
2351641	ENSG00000156171	-0.36	1.01E-06	3.01E-03
2351661	ENSG00000156171	0.31	3.57E-05	1.07E-01
2351666	ENSG00000156171	0.30	4.12E-05	1.23E-01
2351635	ENSG00000156171	-0.18	1.99E-02	1.00E+00
2351640	ENSG00000156171	0.16	3.90E-02	1.00E+00
2351643	ENSG00000156171	-0.05	5.52E-01	1.00E+00
2351647	ENSG00000156171	0.21	4.33E-03	1.00E+00
2351653	ENSG00000156171	0.23	1.76E-03	1.00E+00
2351655	ENSG00000156171	-0.17	2.55E-02	1.00E+00
2351656	ENSG00000156171	0.06	4.16E-01	1.00E+00

2351657	ENSG00000156171	-0.16	3.14E-02	1.00E+00
2351665	ENSG00000156171	-0.09	2.30E-01	1.00E+00
2413161	ENSG00000157184	0.51	5.19E-13	1.55E-09
2413175	ENSG00000157184	-0.49	3.92E-12	1.17E-08
2413168	ENSG00000157184	-0.43	3.42E-09	1.02E-05
2413162	ENSG00000157184	0.42	4.96E-09	1.49E-05
2413164	ENSG00000157184	0.34	3.26E-06	9.77E-03
2413170	ENSG00000157184	-0.30	6.49E-05	1.94E-01
2413174	ENSG00000157184	0.27	3.13E-04	9.38E-01
2413165	ENSG00000157184	-0.07	3.77E-01	1.00E+00
2413172	ENSG00000157184	-0.22	3.41E-03	1.00E+00
2413176	ENSG00000157184	-0.11	1.46E-01	1.00E+00
3628996	ENSG00000157734	-0.17	2.76E-02	1.00E+00
3628997	ENSG00000157734	-0.10	1.75E-01	1.00E+00
3628998	ENSG00000157734	-0.01	9.11E-01	1.00E+00
3628999	ENSG00000157734	-0.09	2.20E-01	1.00E+00
3629004	ENSG00000157734	-0.02	8.21E-01	1.00E+00
3629006	ENSG00000157734	-0.02	7.83E-01	1.00E+00
3629008	ENSG00000157734	-0.05	4.94E-01	1.00E+00
3629009	ENSG00000157734	0.03	6.81E-01	1.00E+00
3629010	ENSG00000157734	0.12	1.00E-01	1.00E+00
2440643	ENSG00000158793	-0.48	1.98E-11	5.92E-08
2440639	ENSG00000158793	0.46	1.11E-10	3.32E-07
2440629	ENSG00000158793	0.29	1.16E-04	3.47E-01
2440631	ENSG00000158793	0.05	5.06E-01	1.00E+00
2440632	ENSG00000158793	-0.22	2.94E-03	1.00E+00
2440635	ENSG00000158793	0.13	8.52E-02	1.00E+00
2440636	ENSG00000158793	0.16	3.17E-02	1.00E+00
2440640	ENSG00000158793	-0.22	2.94E-03	1.00E+00
2440641	ENSG00000158793	0.20	7.74E-03	1.00E+00
2440651	ENSG00000158793	-0.20	7.28E-03	1.00E+00
2363394	ENSG00000158796	0.43	2.47E-09	7.40E-06
2363412	ENSG00000158796	-0.36	1.11E-06	3.31E-03
2363397	ENSG00000158796	0.31	2.46E-05	7.38E-02
2363391	ENSG00000158796	0.00	9.48E-01	1.00E+00
2363396	ENSG00000158796	-0.05	5.40E-01	1.00E+00
2363399	ENSG00000158796	0.21	5.97E-03	1.00E+00
2363401	ENSG00000158796	-0.14	7.02E-02	1.00E+00
2363402	ENSG00000158796	0.03	6.55E-01	1.00E+00
2363404	ENSG00000158796	-0.24	1.55E-03	1.00E+00
2363406	ENSG00000158796	-0.12	1.19E-01	1.00E+00
2363407	ENSG00000158796	-0.08	2.73E-01	1.00E+00
3705018	ENSG00000158805	0.36	9.22E-07	2.76E-03
3704984	ENSG00000158805	0.29	9.75E-05	2.92E-01
3704983	ENSG00000158805	0.06	4.18E-01	1.00E+00
3704986	ENSG00000158805	-0.01	8.65E-01	1.00E+00
3704993	ENSG00000158805	-0.19	1.12E-02	1.00E+00
3704997	ENSG00000158805	-0.17	2.08E-02	1.00E+00
3704998	ENSG00000158805	-0.22	3.46E-03	1.00E+00

3705001	ENSG00000158805	-0.02	7.75E-01	1.00E+00
3705005	ENSG00000158805	-0.07	3.65E-01	1.00E+00
3705008	ENSG00000158805	0.18	1.59E-02	1.00E+00
3705009	ENSG00000158805	-0.03	6.54E-01	1.00E+00
3705011	ENSG00000158805	-0.08	2.70E-01	1.00E+00
3705012	ENSG00000158805	-0.17	2.19E-02	1.00E+00
3705013	ENSG00000158805	-0.17	2.02E-02	1.00E+00
3705021	ENSG00000158805	-0.09	2.41E-01	1.00E+00
3705024	ENSG00000158805	-0.12	9.83E-02	1.00E+00
3705025	ENSG00000158805	0.04	5.84E-01	1.00E+00
3705027	ENSG00000158805	0.02	8.29E-01	1.00E+00
3705030	ENSG00000158805	-0.25	7.91E-04	1.00E+00
3705034	ENSG00000158805	0.07	3.34E-01	1.00E+00
3705035	ENSG00000158805	-0.08	2.62E-01	1.00E+00
3705037	ENSG00000158805	-0.17	2.45E-02	1.00E+00
3705039	ENSG00000158805	-0.18	1.65E-02	1.00E+00
3705040	ENSG00000158805	-0.26	4.19E-04	1.00E+00
3705043	ENSG00000158805	-0.19	1.04E-02	1.00E+00
3705044	ENSG00000158805	0.06	4.66E-01	1.00E+00
3705045	ENSG00000158805	0.08	2.94E-01	1.00E+00
3705047	ENSG00000158805	-0.07	3.30E-01	1.00E+00
3705049	ENSG00000158805	0.23	2.58E-03	1.00E+00
3705053	ENSG00000158805	0.12	9.85E-02	1.00E+00
3705055	ENSG00000158805	0.05	4.81E-01	1.00E+00
3705056	ENSG00000158805	0.15	4.82E-02	1.00E+00
3705057	ENSG00000158805	0.19	1.39E-02	1.00E+00
3705059	ENSG00000158805	-0.19	9.75E-03	1.00E+00
3705061	ENSG00000158805	0.07	3.69E-01	1.00E+00
3705068	ENSG00000158805	0.14	6.08E-02	1.00E+00
3929816	ENSG00000159140	-0.53	5.72E-14	1.71E-10
3929793	ENSG00000159140	0.41	1.47E-08	4.39E-05
3929788	ENSG00000159140	0.36	9.83E-07	2.94E-03
3929789	ENSG00000159140	-0.29	1.09E-04	3.26E-01
3929803	ENSG00000159140	0.29	1.11E-04	3.32E-01
3929790	ENSG00000159140	-0.18	1.93E-02	1.00E+00
3929797	ENSG00000159140	0.25	8.75E-04	1.00E+00
3929799	ENSG00000159140	0.25	8.91E-04	1.00E+00
3929800	ENSG00000159140	-0.21	5.11E-03	1.00E+00
3929802	ENSG00000159140	-0.11	1.35E-01	1.00E+00
3929804	ENSG00000159140	-0.01	8.58E-01	1.00E+00
3918714	ENSG00000159147	-0.57	1.85E-16	5.55E-13
3918715	ENSG00000159147	-0.53	2.71E-14	8.12E-11
3918730	ENSG00000159147	-0.43	2.27E-09	6.79E-06
3918717	ENSG00000159147	-0.43	3.92E-09	1.17E-05
3918728	ENSG00000159147	-0.43	3.99E-09	1.19E-05
3918719	ENSG00000159147	0.40	3.78E-08	1.13E-04
3918711	ENSG00000159147	-0.40	5.65E-08	1.69E-04
3918713	ENSG00000159147	-0.39	7.70E-08	2.30E-04
3918754	ENSG00000159147	0.37	3.60E-07	1.08E-03

3918762	ENSG000000159147	0.36	1.06E-06	3.17E-03
3918724	ENSG000000159147	-0.36	1.09E-06	3.25E-03
3918764	ENSG000000159147	0.36	1.17E-06	3.51E-03
3918726	ENSG000000159147	-0.35	1.45E-06	4.33E-03
3918706	ENSG000000159147	0.35	2.73E-06	8.16E-03
3918736	ENSG000000159147	-0.33	6.93E-06	2.07E-02
3918734	ENSG000000159147	0.33	1.01E-05	3.03E-02
3918710	ENSG000000159147	-0.32	1.76E-05	5.27E-02
3918760	ENSG000000159147	0.32	1.92E-05	5.76E-02
3918725	ENSG000000159147	0.30	4.16E-05	1.25E-01
3918718	ENSG000000159147	-0.29	7.10E-05	2.13E-01
3918759	ENSG000000159147	-0.29	1.24E-04	3.70E-01
3918727	ENSG000000159147	-0.28	1.66E-04	4.98E-01
3918757	ENSG000000159147	-0.28	2.16E-04	6.46E-01
3918698	ENSG000000159147	0.15	5.20E-02	1.00E+00
3918700	ENSG000000159147	-0.26	4.20E-04	1.00E+00
3918704	ENSG000000159147	0.17	2.15E-02	1.00E+00
3918707	ENSG000000159147	-0.26	3.93E-04	1.00E+00
3918708	ENSG000000159147	0.03	6.65E-01	1.00E+00
3918709	ENSG000000159147	-0.05	5.23E-01	1.00E+00
3918712	ENSG000000159147	-0.04	5.94E-01	1.00E+00
3918716	ENSG000000159147	-0.25	9.24E-04	1.00E+00
3918720	ENSG000000159147	0.05	5.47E-01	1.00E+00
3918721	ENSG000000159147	0.13	8.07E-02	1.00E+00
3918723	ENSG000000159147	-0.20	8.58E-03	1.00E+00
3918731	ENSG000000159147	-0.06	4.32E-01	1.00E+00
3918732	ENSG000000159147	0.07	3.81E-01	1.00E+00
3918733	ENSG000000159147	0.23	1.98E-03	1.00E+00
3918739	ENSG000000159147	0.02	7.76E-01	1.00E+00
3918740	ENSG000000159147	-0.04	6.40E-01	1.00E+00
3918741	ENSG000000159147	0.17	2.08E-02	1.00E+00
3918750	ENSG000000159147	0.07	3.39E-01	1.00E+00
3918753	ENSG000000159147	0.19	9.82E-03	1.00E+00
3918755	ENSG000000159147	0.12	1.11E-01	1.00E+00
3918758	ENSG000000159147	0.26	4.90E-04	1.00E+00
3695815	ENSG000000159753	-0.43	2.93E-09	8.79E-06
3695806	ENSG000000159753	0.31	3.05E-05	9.13E-02
3695791	ENSG000000159753	0.09	2.57E-01	1.00E+00
3695794	ENSG000000159753	0.03	7.09E-01	1.00E+00
3695796	ENSG000000159753	0.03	6.73E-01	1.00E+00
3695798	ENSG000000159753	0.07	3.80E-01	1.00E+00
3695804	ENSG000000159753	0.08	3.09E-01	1.00E+00
3695808	ENSG000000159753	0.15	4.88E-02	1.00E+00
3695812	ENSG000000159753	0.12	1.15E-01	1.00E+00
3695817	ENSG000000159753	-0.07	3.36E-01	1.00E+00
3204706	ENSG000000159884	-0.30	5.92E-05	1.77E-01
3204702	ENSG000000159884	0.27	2.51E-04	7.51E-01
3204705	ENSG000000159884	-0.14	6.87E-02	1.00E+00
3204707	ENSG000000159884	-0.16	3.88E-02	1.00E+00

3204711	ENSG00000159884	0.02	7.51E-01	1.00E+00
2360778	ENSG00000160766	0.45	4.35E-10	1.30E-06
2360776	ENSG00000160766	-0.44	1.19E-09	3.57E-06
2360780	ENSG00000160766	-0.24	1.13E-03	1.00E+00
2360782	ENSG00000160766	0.19	9.81E-03	1.00E+00
2360785	ENSG00000160766	0.17	2.05E-02	1.00E+00
3065018	ENSG00000161036	0.20	7.38E-03	1.00E+00
3065019	ENSG00000161036	0.12	1.00E-01	1.00E+00
3065020	ENSG00000161036	0.09	2.13E-01	1.00E+00
3065022	ENSG00000161036	-0.10	1.73E-01	1.00E+00
3065024	ENSG00000161036	-0.11	1.59E-01	1.00E+00
3065026	ENSG00000161036	-0.10	2.04E-01	1.00E+00
3065028	ENSG00000161036	-0.03	7.41E-01	1.00E+00
3065029	ENSG00000161036	0.08	2.96E-01	1.00E+00
3642579	ENSG00000161980	-0.44	6.11E-10	1.83E-06
3642583	ENSG00000161980	0.30	3.95E-05	1.18E-01
3642580	ENSG00000161980	0.02	8.11E-01	1.00E+00
3642581	ENSG00000161980	-0.12	1.21E-01	1.00E+00
3642587	ENSG00000161980	-0.01	8.55E-01	1.00E+00
3642591	ENSG00000161980	0.24	1.27E-03	1.00E+00
3642592	ENSG00000161980	0.15	4.53E-02	1.00E+00
3642593	ENSG00000161980	0.12	1.25E-01	1.00E+00
3674842	ENSG00000161981	0.11	1.30E-01	1.00E+00
3674845	ENSG00000161981	0.17	2.19E-02	1.00E+00
3674846	ENSG00000161981	-0.12	1.14E-01	1.00E+00
3674847	ENSG00000161981	-0.15	4.46E-02	1.00E+00
3643314	ENSG00000161999	0.45	2.89E-10	8.65E-07
3643304	ENSG00000161999	0.33	7.46E-06	2.23E-02
3643319	ENSG00000161999	-0.27	2.51E-04	7.51E-01
3643307	ENSG00000161999	0.10	1.70E-01	1.00E+00
3643308	ENSG00000161999	-0.27	3.54E-04	1.00E+00
3643312	ENSG00000161999	-0.09	2.30E-01	1.00E+00
3643313	ENSG00000161999	0.10	1.89E-01	1.00E+00
3643315	ENSG00000161999	-0.08	2.77E-01	1.00E+00
3643316	ENSG00000161999	0.24	1.58E-03	1.00E+00
3643320	ENSG00000161999	-0.04	5.61E-01	1.00E+00
3677322	ENSG00000162073	-0.30	6.27E-05	1.88E-01
3677318	ENSG00000162073	0.01	8.47E-01	1.00E+00
3677319	ENSG00000162073	0.03	6.88E-01	1.00E+00
3677325	ENSG00000162073	0.17	2.09E-02	1.00E+00
3677326	ENSG00000162073	0.16	3.66E-02	1.00E+00
3677332	ENSG00000162073	-0.16	3.73E-02	1.00E+00
3677340	ENSG00000162073	0.05	5.22E-01	1.00E+00
3332903	ENSG00000162144	-0.30	6.94E-05	2.08E-01
3332893	ENSG00000162144	-0.17	2.07E-02	1.00E+00
3332894	ENSG00000162144	0.10	1.78E-01	1.00E+00
3332896	ENSG00000162144	0.16	3.96E-02	1.00E+00
3332899	ENSG00000162144	0.17	2.40E-02	1.00E+00
3332902	ENSG00000162144	0.06	4.22E-01	1.00E+00

2336717	ENSG00000162384	-0.43	1.86E-09	5.58E-06
2336714	ENSG00000162384	0.28	1.31E-04	3.91E-01
2336713	ENSG00000162384	-0.15	4.18E-02	1.00E+00
2336715	ENSG00000162384	0.12	1.22E-01	1.00E+00
2336718	ENSG00000162384	0.08	2.79E-01	1.00E+00
2336720	ENSG00000162384	0.03	7.36E-01	1.00E+00
2452982	ENSG00000162892	-0.54	8.14E-15	2.44E-11
2452992	ENSG00000162892	-0.46	1.08E-10	3.23E-07
2452998	ENSG00000162892	0.41	1.10E-08	3.28E-05
2452990	ENSG00000162892	-0.37	5.71E-07	1.71E-03
2452987	ENSG00000162892	0.34	4.67E-06	1.40E-02
2452993	ENSG00000162892	-0.33	8.73E-06	2.61E-02
2452997	ENSG00000162892	0.32	1.38E-05	4.12E-02
2452981	ENSG00000162892	-0.26	4.61E-04	1.00E+00
2452985	ENSG00000162892	0.16	3.32E-02	1.00E+00
2452986	ENSG00000162892	0.04	6.16E-01	1.00E+00
2452989	ENSG00000162892	-0.06	3.95E-01	1.00E+00
2452995	ENSG00000162892	0.02	7.83E-01	1.00E+00
2452996	ENSG00000162892	-0.21	4.22E-03	1.00E+00
2453004	ENSG00000162892	-0.07	3.49E-01	1.00E+00
2377045	ENSG00000162894	-0.40	5.06E-08	1.52E-04
2377061	ENSG00000162894	0.31	3.36E-05	1.00E-01
2377060	ENSG00000162894	0.30	5.20E-05	1.56E-01
2377049	ENSG00000162894	0.00	9.55E-01	1.00E+00
2377059	ENSG00000162894	-0.04	5.68E-01	1.00E+00
2377063	ENSG00000162894	0.05	5.25E-01	1.00E+00
2643170	ENSG00000163781	0.70	4.31E-27	1.29E-23
2643172	ENSG00000163781	0.64	5.86E-22	1.75E-18
2643160	ENSG00000163781	-0.58	5.42E-17	1.62E-13
2643161	ENSG00000163781	-0.44	8.67E-10	2.60E-06
2643168	ENSG00000163781	-0.42	5.91E-09	1.77E-05
2643174	ENSG00000163781	-0.38	1.64E-07	4.91E-04
2643165	ENSG00000163781	0.33	7.98E-06	2.39E-02
2643171	ENSG00000163781	0.32	1.72E-05	5.14E-02
2643163	ENSG00000163781	-0.15	5.03E-02	1.00E+00
2643173	ENSG00000163781	-0.27	3.63E-04	1.00E+00
2692083	ENSG00000163840	-0.90	1.27E-65	3.80E-62
2692106	ENSG00000163840	-0.89	1.55E-61	4.64E-58
2692086	ENSG00000163840	0.60	2.08E-18	6.22E-15
2692087	ENSG00000163840	0.59	6.43E-18	1.92E-14
2692085	ENSG00000163840	0.55	2.01E-15	6.01E-12
2692090	ENSG00000163840	0.52	1.30E-13	3.90E-10
2692072	ENSG00000163840	0.46	2.07E-10	6.20E-07
2692089	ENSG00000163840	-0.40	5.10E-08	1.53E-04
2692063	ENSG00000163840	-0.37	3.35E-07	1.00E-03
2692071	ENSG00000163840	0.36	1.08E-06	3.23E-03
2692061	ENSG00000163840	0.27	3.47E-04	1.00E+00
2692062	ENSG00000163840	0.13	8.83E-02	1.00E+00
2692067	ENSG00000163840	-0.09	2.51E-01	1.00E+00

2692068	ENSG00000163840	0.19	1.39E-02	1.00E+00
2692073	ENSG00000163840	0.18	1.99E-02	1.00E+00
2692077	ENSG00000163840	0.16	3.25E-02	1.00E+00
2692080	ENSG00000163840	-0.11	1.60E-01	1.00E+00
2692091	ENSG00000163840	0.23	2.07E-03	1.00E+00
2821206	ENSG00000164307	-0.53	2.16E-14	6.48E-11
2821251	ENSG00000164307	-0.46	8.73E-11	2.61E-07
2821207	ENSG00000164307	-0.45	3.43E-10	1.03E-06
2821298	ENSG00000164307	0.36	7.44E-07	2.23E-03
2821297	ENSG00000164307	0.36	1.31E-06	3.91E-03
2821302	ENSG00000164307	0.33	8.65E-06	2.59E-02
2821273	ENSG00000164307	0.32	1.63E-05	4.88E-02
2821287	ENSG00000164307	0.32	1.87E-05	5.59E-02
2821274	ENSG00000164307	0.31	3.81E-05	1.14E-01
2821219	ENSG00000164307	-0.30	5.30E-05	1.59E-01
2821290	ENSG00000164307	0.28	1.50E-04	4.48E-01
2821205	ENSG00000164307	-0.26	4.44E-04	1.00E+00
2821211	ENSG00000164307	0.04	5.86E-01	1.00E+00
2821234	ENSG00000164307	0.14	6.34E-02	1.00E+00
2821236	ENSG00000164307	0.10	1.67E-01	1.00E+00
2821241	ENSG00000164307	-0.16	3.10E-02	1.00E+00
2821242	ENSG00000164307	0.03	7.17E-01	1.00E+00
2821244	ENSG00000164307	0.13	8.87E-02	1.00E+00
2821249	ENSG00000164307	0.22	2.82E-03	1.00E+00
2821250	ENSG00000164307	-0.20	8.76E-03	1.00E+00
2821255	ENSG00000164307	-0.15	4.19E-02	1.00E+00
2821263	ENSG00000164307	-0.23	2.01E-03	1.00E+00
2821264	ENSG00000164307	0.04	5.74E-01	1.00E+00
2821266	ENSG00000164307	0.14	6.44E-02	1.00E+00
2821268	ENSG00000164307	-0.09	2.26E-01	1.00E+00
2821278	ENSG00000164307	0.10	1.91E-01	1.00E+00
2821279	ENSG00000164307	-0.03	6.76E-01	1.00E+00
2821281	ENSG00000164307	0.09	2.14E-01	1.00E+00
2821283	ENSG00000164307	0.07	3.47E-01	1.00E+00
2821285	ENSG00000164307	0.22	3.16E-03	1.00E+00
2821288	ENSG00000164307	0.15	4.12E-02	1.00E+00
2821296	ENSG00000164307	0.09	2.53E-01	1.00E+00
2821299	ENSG00000164307	-0.16	2.96E-02	1.00E+00
2828717	ENSG00000164402	-0.52	2.06E-13	6.17E-10
2828720	ENSG00000164402	0.52	2.33E-13	6.98E-10
2828719	ENSG00000164402	0.21	6.01E-03	1.00E+00
2828722	ENSG00000164402	0.24	1.17E-03	1.00E+00
3110360	ENSG00000164933	-0.53	3.91E-14	1.17E-10
3110372	ENSG00000164933	0.53	4.51E-14	1.35E-10
3110345	ENSG00000164933	-0.50	1.33E-12	3.98E-09
3110361	ENSG00000164933	-0.48	1.19E-11	3.57E-08
3110356	ENSG00000164933	0.47	3.23E-11	9.67E-08
3110364	ENSG00000164933	0.43	2.74E-09	8.21E-06
3110354	ENSG00000164933	-0.42	1.00E-08	3.01E-05

3110370	ENSG00000164933	0.38	2.66E-07	7.96E-04
3110363	ENSG00000164933	-0.23	2.24E-03	1.00E+00
3110366	ENSG00000164933	0.06	4.44E-01	1.00E+00
3147782	ENSG00000164934	-0.79	3.79E-39	1.13E-35
3147773	ENSG00000164934	0.64	1.70E-21	5.09E-18
3147765	ENSG00000164934	0.55	1.34E-15	4.02E-12
3147771	ENSG00000164934	0.36	1.02E-06	3.05E-03
3147780	ENSG00000164934	-0.34	4.72E-06	1.41E-02
3147776	ENSG00000164934	-0.31	2.94E-05	8.81E-02
3147764	ENSG00000164934	-0.19	1.13E-02	1.00E+00
3147766	ENSG00000164934	-0.09	2.12E-01	1.00E+00
3147768	ENSG00000164934	-0.07	3.76E-01	1.00E+00
3147769	ENSG00000164934	-0.22	3.77E-03	1.00E+00
3147781	ENSG00000164934	0.01	9.20E-01	1.00E+00
4056168	ENSG00000165240	0.40	5.50E-08	1.65E-04
4013426	ENSG00000165240	0.38	1.70E-07	5.08E-04
4013427	ENSG00000165240	-0.37	4.44E-07	1.33E-03
4056169	ENSG00000165240	-0.34	4.24E-06	1.27E-02
4013425	ENSG00000165240	0.18	1.68E-02	1.00E+00
4056166	ENSG00000165240	0.15	4.15E-02	1.00E+00
3480686	ENSG00000165480	0.42	4.76E-09	1.43E-05
3480685	ENSG00000165480	-0.30	4.76E-05	1.43E-01
3480684	ENSG00000165480	-0.28	1.84E-04	5.52E-01
2888638	ENSG00000165671	0.35	1.75E-06	5.24E-03
2888642	ENSG00000165671	-0.35	1.95E-06	5.85E-03
3528133	ENSG00000165819	0.44	9.40E-10	2.82E-06
3528137	ENSG00000165819	0.37	3.97E-07	1.19E-03
3528128	ENSG00000165819	-0.35	1.61E-06	4.83E-03
3528127	ENSG00000165819	-0.31	3.09E-05	9.25E-02
3528118	ENSG00000165819	-0.16	3.39E-02	1.00E+00
3528121	ENSG00000165819	-0.26	4.81E-04	1.00E+00
3528125	ENSG00000165819	-0.19	1.08E-02	1.00E+00
3528126	ENSG00000165819	-0.18	1.66E-02	1.00E+00
3528129	ENSG00000165819	0.18	2.01E-02	1.00E+00
3528130	ENSG00000165819	0.06	4.26E-01	1.00E+00
3528131	ENSG00000165819	-0.23	1.78E-03	1.00E+00
3528134	ENSG00000165819	0.03	7.15E-01	1.00E+00
3528136	ENSG00000165819	-0.25	9.90E-04	1.00E+00
3528138	ENSG00000165819	-0.01	8.71E-01	1.00E+00
3528139	ENSG00000165819	0.10	1.89E-01	1.00E+00
3361029	ENSG00000166333	0.13	8.72E-02	1.00E+00
3361030	ENSG00000166333	0.23	2.35E-03	1.00E+00
3361031	ENSG00000166333	0.18	1.65E-02	1.00E+00
3361033	ENSG00000166333	0.11	1.29E-01	1.00E+00
3361035	ENSG00000166333	-0.21	5.79E-03	1.00E+00
3361036	ENSG00000166333	-0.08	3.01E-01	1.00E+00
3361037	ENSG00000166333	-0.14	5.91E-02	1.00E+00
3318891	ENSG00000166337	0.13	9.39E-02	1.00E+00
3318896	ENSG00000166337	-0.17	2.64E-02	1.00E+00

3318901	ENSG00000166337	0.26	4.12E-04	1.00E+00
3318903	ENSG00000166337	0.05	4.99E-01	1.00E+00
3318904	ENSG00000166337	0.00	9.94E-01	1.00E+00
3318906	ENSG00000166337	-0.01	9.47E-01	1.00E+00
3318907	ENSG00000166337	0.04	6.39E-01	1.00E+00
3318908	ENSG00000166337	0.03	7.30E-01	1.00E+00
3318910	ENSG00000166337	0.12	1.08E-01	1.00E+00
3318911	ENSG00000166337	0.13	9.37E-02	1.00E+00
3318912	ENSG00000166337	-0.01	9.10E-01	1.00E+00
3318913	ENSG00000166337	0.01	8.90E-01	1.00E+00
3318914	ENSG00000166337	-0.14	6.14E-02	1.00E+00
3318915	ENSG00000166337	-0.06	4.19E-01	1.00E+00
3318916	ENSG00000166337	-0.17	2.70E-02	1.00E+00
3884278	ENSG00000166619	-0.38	2.34E-07	7.01E-04
3884273	ENSG00000166619	0.09	2.15E-01	1.00E+00
3884277	ENSG00000166619	0.24	1.45E-03	1.00E+00
3769975	ENSG00000166685	-0.38	1.34E-07	4.03E-04
3769980	ENSG00000166685	0.28	1.48E-04	4.43E-01
3769971	ENSG00000166685	-0.08	3.01E-01	1.00E+00
3769972	ENSG00000166685	0.07	3.76E-01	1.00E+00
3769973	ENSG00000166685	0.09	2.31E-01	1.00E+00
3769974	ENSG00000166685	-0.21	5.46E-03	1.00E+00
3769983	ENSG00000166685	0.13	7.79E-02	1.00E+00
3597935	ENSG00000166794	0.31	2.42E-05	7.25E-02
3597918	ENSG00000166794	0.17	2.31E-02	1.00E+00
3597920	ENSG00000166794	-0.03	6.71E-01	1.00E+00
3597921	ENSG00000166794	-0.10	1.89E-01	1.00E+00
3597923	ENSG00000166794	-0.08	2.68E-01	1.00E+00
3597924	ENSG00000166794	-0.07	3.41E-01	1.00E+00
3597928	ENSG00000166794	-0.03	6.67E-01	1.00E+00
3597930	ENSG00000166794	-0.11	1.64E-01	1.00E+00
3597932	ENSG00000166794	0.00	9.51E-01	1.00E+00
3597933	ENSG00000166794	-0.04	5.63E-01	1.00E+00
3458339	ENSG00000166886	0.05	4.94E-01	1.00E+00
3458340	ENSG00000166886	-0.08	3.16E-01	1.00E+00
3458341	ENSG00000166886	-0.01	9.00E-01	1.00E+00
3458342	ENSG00000166886	0.00	9.83E-01	1.00E+00
3458343	ENSG00000166886	-0.19	1.02E-02	1.00E+00
3458344	ENSG00000166886	0.16	3.85E-02	1.00E+00
3458345	ENSG00000166886	0.03	7.22E-01	1.00E+00
3458347	ENSG00000166886	-0.13	7.52E-02	1.00E+00
3458348	ENSG00000166886	-0.03	6.66E-01	1.00E+00
3458350	ENSG00000166886	-0.02	7.56E-01	1.00E+00
3458352	ENSG00000166886	0.01	8.57E-01	1.00E+00
3458353	ENSG00000166886	-0.03	6.85E-01	1.00E+00
3458354	ENSG00000166886	0.14	6.01E-02	1.00E+00
3458356	ENSG00000166886	0.06	3.96E-01	1.00E+00
3458357	ENSG00000166886	-0.17	2.48E-02	1.00E+00
3458359	ENSG00000166886	-0.04	6.00E-01	1.00E+00

3458360	ENSG00000166886	0.04	6.00E-01	1.00E+00
3458361	ENSG00000166886	-0.01	8.61E-01	1.00E+00
3458362	ENSG00000166886	0.12	1.03E-01	1.00E+00
3458363	ENSG00000166886	0.14	6.74E-02	1.00E+00
3458365	ENSG00000166886	0.00	9.81E-01	1.00E+00
3458366	ENSG00000166886	-0.05	4.74E-01	1.00E+00
3458367	ENSG00000166886	-0.15	4.35E-02	1.00E+00
3458368	ENSG00000166886	0.05	5.38E-01	1.00E+00
3458369	ENSG00000166886	0.04	6.28E-01	1.00E+00
3458370	ENSG00000166886	0.02	7.73E-01	1.00E+00
3458371	ENSG00000166886	0.05	5.01E-01	1.00E+00
3458372	ENSG00000166886	0.00	9.96E-01	1.00E+00
3458375	ENSG00000166886	0.01	9.19E-01	1.00E+00
3417823	ENSG00000166888	0.49	7.08E-12	2.12E-08
3417818	ENSG00000166888	-0.44	7.59E-10	2.27E-06
3417820	ENSG00000166888	0.40	3.12E-08	9.35E-05
3417833	ENSG00000166888	0.40	3.20E-08	9.60E-05
3417826	ENSG00000166888	0.32	1.59E-05	4.76E-02
3417814	ENSG00000166888	-0.27	2.22E-04	6.65E-01
3417811	ENSG00000166888	-0.26	3.97E-04	1.00E+00
3417812	ENSG00000166888	-0.19	1.17E-02	1.00E+00
3226727	ENSG00000167136	-0.60	2.27E-18	6.78E-15
3226720	ENSG00000167136	0.59	5.26E-18	1.57E-14
3226725	ENSG00000167136	-0.57	2.80E-16	8.38E-13
3226734	ENSG00000167136	0.46	1.13E-10	3.38E-07
3226722	ENSG00000167136	-0.43	3.45E-09	1.03E-05
3226731	ENSG00000167136	0.39	6.91E-08	2.07E-04
3226733	ENSG00000167136	0.30	4.31E-05	1.29E-01
3226723	ENSG00000167136	-0.22	3.13E-03	1.00E+00
3226728	ENSG00000167136	0.07	3.87E-01	1.00E+00
3226729	ENSG00000167136	-0.26	4.90E-04	1.00E+00
3226732	ENSG00000167136	-0.13	8.31E-02	1.00E+00
3098956	ENSG00000167904	-0.36	1.13E-06	3.38E-03
3098945	ENSG00000167904	0.32	1.55E-05	4.64E-02
3098963	ENSG00000167904	-0.32	1.58E-05	4.73E-02
3098939	ENSG00000167904	0.01	9.20E-01	1.00E+00
3098940	ENSG00000167904	-0.02	7.94E-01	1.00E+00
3098942	ENSG00000167904	0.13	8.93E-02	1.00E+00
3098944	ENSG00000167904	0.15	4.10E-02	1.00E+00
3098946	ENSG00000167904	-0.10	1.99E-01	1.00E+00
3098947	ENSG00000167904	-0.03	6.77E-01	1.00E+00
3098950	ENSG00000167904	0.18	1.73E-02	1.00E+00
3098952	ENSG00000167904	0.16	3.40E-02	1.00E+00
3098953	ENSG00000167904	-0.20	8.60E-03	1.00E+00
3098954	ENSG00000167904	-0.04	5.62E-01	1.00E+00
3098955	ENSG00000167904	0.12	1.01E-01	1.00E+00
3098957	ENSG00000167904	-0.10	1.89E-01	1.00E+00
3098964	ENSG00000167904	-0.23	2.01E-03	1.00E+00
3676614	ENSG00000167965	0.05	5.28E-01	1.00E+00

3676615	ENSG00000167965	0.10	1.92E-01	1.00E+00
3676617	ENSG00000167965	-0.02	8.32E-01	1.00E+00
3676620	ENSG00000167965	-0.10	1.94E-01	1.00E+00
2391438	ENSG00000169962	0.65	1.65E-22	4.93E-19
2391430	ENSG00000169962	0.59	1.15E-17	3.45E-14
2391455	ENSG00000169962	-0.58	3.64E-17	1.09E-13
2391443	ENSG00000169962	-0.51	2.69E-13	8.04E-10
2391442	ENSG00000169962	-0.46	1.20E-10	3.60E-07
2391446	ENSG00000169962	-0.45	4.92E-10	1.47E-06
2391444	ENSG00000169962	0.32	1.67E-05	5.01E-02
2391449	ENSG00000169962	0.31	2.41E-05	7.22E-02
2391433	ENSG00000169962	0.05	5.20E-01	1.00E+00
2391434	ENSG00000169962	-0.25	7.02E-04	1.00E+00
2391437	ENSG00000169962	0.08	3.04E-01	1.00E+00
2391441	ENSG00000169962	0.01	9.03E-01	1.00E+00
2391452	ENSG00000169962	-0.08	3.12E-01	1.00E+00
2391454	ENSG00000169962	-0.26	4.06E-04	1.00E+00
2391460	ENSG00000169962	0.07	3.54E-01	1.00E+00
2391463	ENSG00000169962	-0.22	3.69E-03	1.00E+00
2391374	ENSG00000169972	0.35	2.16E-06	6.45E-03
2391365	ENSG00000169972	0.12	1.08E-01	1.00E+00
2391368	ENSG00000169972	-0.16	2.98E-02	1.00E+00
2391369	ENSG00000169972	-0.10	1.98E-01	1.00E+00
2391371	ENSG00000169972	0.11	1.35E-01	1.00E+00
2391373	ENSG00000169972	0.06	4.52E-01	1.00E+00
2391375	ENSG00000169972	0.17	2.52E-02	1.00E+00
2391376	ENSG00000169972	-0.09	2.34E-01	1.00E+00
2391377	ENSG00000169972	-0.06	4.58E-01	1.00E+00
2391379	ENSG00000169972	0.01	8.67E-01	1.00E+00
2391381	ENSG00000169972	-0.13	8.42E-02	1.00E+00
2391382	ENSG00000169972	-0.20	7.18E-03	1.00E+00
2391383	ENSG00000169972	0.02	7.61E-01	1.00E+00
2391387	ENSG00000169972	0.06	3.99E-01	1.00E+00
2391389	ENSG00000169972	-0.24	1.55E-03	1.00E+00
2391392	ENSG00000169972	0.06	4.11E-01	1.00E+00
2391393	ENSG00000169972	0.23	1.98E-03	1.00E+00
2391403	ENSG00000169972	0.10	1.97E-01	1.00E+00
2391405	ENSG00000169972	-0.20	9.03E-03	1.00E+00
2391407	ENSG00000169972	0.04	6.43E-01	1.00E+00
2391411	ENSG00000169972	-0.24	1.27E-03	1.00E+00
2391414	ENSG00000169972	0.00	9.77E-01	1.00E+00
2391417	ENSG00000169972	0.14	6.50E-02	1.00E+00
2391421	ENSG00000169972	0.07	3.35E-01	1.00E+00
2831219	ENSG00000170482	-0.10	1.67E-01	1.00E+00
2831220	ENSG00000170482	0.08	2.90E-01	1.00E+00
2831222	ENSG00000170482	-0.11	1.36E-01	1.00E+00
2831223	ENSG00000170482	0.20	7.96E-03	1.00E+00
2831228	ENSG00000170482	-0.11	1.60E-01	1.00E+00
2831229	ENSG00000170482	-0.09	2.49E-01	1.00E+00

2831231	ENSG000000170482	0.02	8.02E-01	1.00E+00
3151961	ENSG000000170881	0.33	8.93E-06	2.67E-02
3151968	ENSG000000170881	-0.29	7.84E-05	2.35E-01
3151959	ENSG000000170881	-0.12	1.13E-01	1.00E+00
3151960	ENSG000000170881	0.24	1.48E-03	1.00E+00
3151966	ENSG000000170881	0.16	3.22E-02	1.00E+00
3151967	ENSG000000170881	0.07	3.52E-01	1.00E+00
2907949	ENSG000000171462	0.51	4.82E-13	1.44E-09
2907999	ENSG000000171462	-0.31	2.23E-05	6.68E-02
2907992	ENSG000000171462	0.27	2.88E-04	8.61E-01
2907948	ENSG000000171462	-0.17	2.76E-02	1.00E+00
2907957	ENSG000000171462	0.01	9.13E-01	1.00E+00
2907961	ENSG000000171462	-0.11	1.52E-01	1.00E+00
2907964	ENSG000000171462	-0.25	7.37E-04	1.00E+00
2907971	ENSG000000171462	-0.08	2.92E-01	1.00E+00
2907973	ENSG000000171462	-0.14	6.10E-02	1.00E+00
2907984	ENSG000000171462	-0.07	3.54E-01	1.00E+00
2907986	ENSG000000171462	-0.09	2.39E-01	1.00E+00
2907991	ENSG000000171462	0.00	9.80E-01	1.00E+00
2907997	ENSG000000171462	-0.08	2.93E-01	1.00E+00
2907930	ENSG000000171467	-0.14	6.97E-02	1.00E+00
2907932	ENSG000000171467	-0.07	3.31E-01	1.00E+00
2907933	ENSG000000171467	0.19	1.36E-02	1.00E+00
3816228	ENSG000000172081	-0.07	3.53E-01	1.00E+00
3816229	ENSG000000172081	0.15	4.16E-02	1.00E+00
3816239	ENSG000000172081	0.13	8.77E-02	1.00E+00
3816240	ENSG000000172081	0.01	9.33E-01	1.00E+00
3816247	ENSG000000172081	-0.12	1.09E-01	1.00E+00
3335522	ENSG000000172922	-0.27	3.46E-04	1.00E+00
3335523	ENSG000000172922	0.07	3.70E-01	1.00E+00
3335524	ENSG000000172922	0.07	3.37E-01	1.00E+00
3335527	ENSG000000172922	0.03	7.09E-01	1.00E+00
3335533	ENSG000000172922	-0.17	2.22E-02	1.00E+00
3335534	ENSG000000172922	0.20	9.26E-03	1.00E+00
3335535	ENSG000000172922	0.07	3.49E-01	1.00E+00
3335536	ENSG000000172922	0.06	4.12E-01	1.00E+00
3335538	ENSG000000172922	-0.06	4.57E-01	1.00E+00
3335541	ENSG000000172922	-0.12	1.19E-01	1.00E+00
3335547	ENSG000000172922	0.04	5.95E-01	1.00E+00
3377831	ENSG000000172977	0.35	1.90E-06	5.69E-03
3377834	ENSG000000172977	0.20	6.61E-03	1.00E+00
3377836	ENSG000000172977	-0.15	4.58E-02	1.00E+00
3377839	ENSG000000172977	-0.25	7.90E-04	1.00E+00
3504637	ENSG000000173141	-0.60	2.02E-18	6.04E-15
3504638	ENSG000000173141	-0.49	5.52E-12	1.65E-08
3504623	ENSG000000173141	0.48	1.28E-11	3.83E-08
3504626	ENSG000000173141	0.48	2.34E-11	7.01E-08
3504624	ENSG000000173141	0.38	2.10E-07	6.30E-04
3504628	ENSG000000173141	0.33	8.07E-06	2.42E-02

3504627	ENSG000000173141	0.29	1.09E-04	3.25E-01
3504620	ENSG000000173141	-0.06	3.97E-01	1.00E+00
3504622	ENSG000000173141	0.16	2.99E-02	1.00E+00
3504630	ENSG000000173141	0.03	6.96E-01	1.00E+00
3504631	ENSG000000173141	-0.18	1.90E-02	1.00E+00
2437245	ENSG000000173171	-0.43	2.68E-09	8.04E-06
2437208	ENSG000000173171	0.32	1.52E-05	4.54E-02
2437219	ENSG000000173171	-0.28	1.65E-04	4.94E-01
2437207	ENSG000000173171	0.13	9.47E-02	1.00E+00
2437210	ENSG000000173171	0.13	9.27E-02	1.00E+00
2437217	ENSG000000173171	-0.18	1.54E-02	1.00E+00
2437221	ENSG000000173171	0.14	7.26E-02	1.00E+00
2437223	ENSG000000173171	0.09	2.26E-01	1.00E+00
2437224	ENSG000000173171	-0.06	4.01E-01	1.00E+00
2437231	ENSG000000173171	-0.12	1.16E-01	1.00E+00
2437233	ENSG000000173171	0.19	1.12E-02	1.00E+00
2437236	ENSG000000173171	0.17	2.28E-02	1.00E+00
3262167	ENSG000000173915	-0.40	4.29E-08	1.28E-04
3262177	ENSG000000173915	0.34	2.81E-06	8.40E-03
3262180	ENSG000000173915	0.31	2.65E-05	7.94E-02
3262168	ENSG000000173915	-0.05	5.07E-01	1.00E+00
3262170	ENSG000000173915	-0.20	8.73E-03	1.00E+00
3262172	ENSG000000173915	-0.15	4.13E-02	1.00E+00
3262182	ENSG000000173915	0.21	6.22E-03	1.00E+00
2843628	ENSG000000175309	0.29	7.97E-05	2.39E-01
2843626	ENSG000000175309	0.28	2.03E-04	6.07E-01
2843620	ENSG000000175309	0.19	1.21E-02	1.00E+00
2843621	ENSG000000175309	-0.26	3.81E-04	1.00E+00
2843623	ENSG000000175309	-0.03	7.02E-01	1.00E+00
2843624	ENSG000000175309	-0.19	1.40E-02	1.00E+00
2843627	ENSG000000175309	-0.14	5.65E-02	1.00E+00
2843629	ENSG000000175309	0.02	7.64E-01	1.00E+00
2843631	ENSG000000175309	0.16	3.65E-02	1.00E+00
2843632	ENSG000000175309	-0.09	2.16E-01	1.00E+00
2843634	ENSG000000175309	-0.07	3.67E-01	1.00E+00
2843636	ENSG000000175309	-0.11	1.47E-01	1.00E+00
2843638	ENSG000000175309	-0.15	4.78E-02	1.00E+00
2843639	ENSG000000175309	-0.11	1.57E-01	1.00E+00
3378025	ENSG000000175334	-0.01	9.00E-01	1.00E+00
3378026	ENSG000000175334	-0.14	5.86E-02	1.00E+00
3378030	ENSG000000175334	0.12	1.03E-01	1.00E+00
3378031	ENSG000000175334	0.05	5.36E-01	1.00E+00
3378035	ENSG000000175334	0.04	5.99E-01	1.00E+00
3335890	ENSG000000175376	0.41	1.69E-08	5.07E-05
3335887	ENSG000000175376	-0.27	2.28E-04	6.81E-01
3335891	ENSG000000175376	0.14	6.56E-02	1.00E+00
3335892	ENSG000000175376	-0.12	1.07E-01	1.00E+00
3185563	ENSG000000176386	-0.39	1.02E-07	3.07E-04
3185582	ENSG000000176386	-0.35	2.04E-06	6.12E-03

3185569	ENSG00000176386	0.31	3.49E-05	1.05E-01
3185565	ENSG00000176386	0.23	2.14E-03	1.00E+00
3185567	ENSG00000176386	-0.04	5.90E-01	1.00E+00
3185570	ENSG00000176386	0.26	6.17E-04	1.00E+00
3185573	ENSG00000176386	0.20	8.32E-03	1.00E+00
3185575	ENSG00000176386	0.00	9.75E-01	1.00E+00
3185576	ENSG00000176386	0.16	3.44E-02	1.00E+00
3185578	ENSG00000176386	-0.10	2.09E-01	1.00E+00
3185580	ENSG00000176386	-0.23	1.74E-03	1.00E+00
3185583	ENSG00000176386	0.10	1.79E-01	1.00E+00
3185584	ENSG00000176386	-0.15	4.47E-02	1.00E+00
3185585	ENSG00000176386	-0.03	6.59E-01	1.00E+00
2664113	ENSG00000177463	-0.44	8.35E-10	2.50E-06
2664110	ENSG00000177463	0.40	3.77E-08	1.13E-04
2664116	ENSG00000177463	-0.04	5.58E-01	1.00E+00
2664121	ENSG00000177463	0.01	9.25E-01	1.00E+00
2871939	ENSG00000177879	-0.57	8.14E-17	2.44E-13
2871931	ENSG00000177879	0.49	4.51E-12	1.35E-08
2871929	ENSG00000177879	-0.43	3.15E-09	9.44E-06
2871928	ENSG00000177879	0.22	3.15E-03	1.00E+00
2871936	ENSG00000177879	0.22	2.78E-03	1.00E+00
3357790	ENSG00000177963	0.45	2.78E-10	8.33E-07
3357795	ENSG00000177963	-0.31	2.16E-05	6.46E-02
3357789	ENSG00000177963	0.31	2.28E-05	6.81E-02
3357812	ENSG00000177963	-0.31	3.06E-05	9.18E-02
3357805	ENSG00000177963	0.28	1.67E-04	5.01E-01
3357804	ENSG00000177963	0.12	1.14E-01	1.00E+00
3357811	ENSG00000177963	0.13	9.03E-02	1.00E+00
3357813	ENSG00000177963	-0.21	4.18E-03	1.00E+00
2333288	ENSG00000178922	-0.58	6.16E-17	1.84E-13
2333224	ENSG00000178922	0.58	6.28E-17	1.88E-13
2333249	ENSG00000178922	0.57	7.30E-17	2.19E-13
2333170	ENSG00000178922	0.57	3.00E-16	8.97E-13
2333197	ENSG00000178922	-0.39	8.11E-08	2.43E-04
2333255	ENSG00000178922	-0.36	8.70E-07	2.60E-03
2333199	ENSG00000178922	-0.36	1.02E-06	3.06E-03
2333289	ENSG00000178922	-0.33	6.68E-06	2.00E-02
2333240	ENSG00000178922	-0.33	1.05E-05	3.15E-02
2333230	ENSG00000178922	0.30	4.21E-05	1.26E-01
2333172	ENSG00000178922	-0.24	1.24E-03	1.00E+00
2333173	ENSG00000178922	-0.17	2.29E-02	1.00E+00
2333177	ENSG00000178922	0.07	3.87E-01	1.00E+00
2333196	ENSG00000178922	-0.23	2.16E-03	1.00E+00
2333200	ENSG00000178922	0.21	6.00E-03	1.00E+00
2333202	ENSG00000178922	0.00	9.61E-01	1.00E+00
2333203	ENSG00000178922	-0.10	1.85E-01	1.00E+00
2333214	ENSG00000178922	-0.11	1.29E-01	1.00E+00
2333216	ENSG00000178922	0.25	9.87E-04	1.00E+00
2333227	ENSG00000178922	-0.18	1.90E-02	1.00E+00

2333232	ENSG000000178922	-0.06	4.33E-01	1.00E+00
2333236	ENSG000000178922	-0.22	2.70E-03	1.00E+00
2333239	ENSG000000178922	-0.21	5.59E-03	1.00E+00
2333241	ENSG000000178922	0.14	6.92E-02	1.00E+00
2333242	ENSG000000178922	0.20	6.87E-03	1.00E+00
2333250	ENSG000000178922	0.26	5.39E-04	1.00E+00
2333251	ENSG000000178922	0.14	6.61E-02	1.00E+00
2333252	ENSG000000178922	-0.09	2.11E-01	1.00E+00
2333254	ENSG000000178922	0.18	1.92E-02	1.00E+00
2333257	ENSG000000178922	-0.24	1.21E-03	1.00E+00
2333266	ENSG000000178922	0.02	8.01E-01	1.00E+00
2333267	ENSG000000178922	-0.12	1.27E-01	1.00E+00
2333280	ENSG000000178922	-0.15	4.90E-02	1.00E+00
2333281	ENSG000000178922	-0.03	6.68E-01	1.00E+00
2333283	ENSG000000178922	0.13	7.49E-02	1.00E+00
2333285	ENSG000000178922	-0.14	6.43E-02	1.00E+00
2333286	ENSG000000178922	0.02	8.19E-01	1.00E+00
2333287	ENSG000000178922	0.19	1.06E-02	1.00E+00
3861463	ENSG000000178982	-0.25	9.05E-04	1.00E+00
3861465	ENSG000000178982	0.25	9.09E-04	1.00E+00
2954561	ENSG000000179157	-0.52	9.52E-14	2.85E-10
2954563	ENSG000000179157	-0.47	3.48E-11	1.04E-07
2954546	ENSG000000179157	0.41	1.54E-08	4.60E-05
2954560	ENSG000000179157	-0.38	1.34E-07	4.01E-04
2954553	ENSG000000179157	-0.35	1.78E-06	5.34E-03
2954554	ENSG000000179157	0.35	2.26E-06	6.77E-03
2954567	ENSG000000179157	-0.32	1.36E-05	4.06E-02
2954544	ENSG000000179157	0.31	2.80E-05	8.38E-02
2954571	ENSG000000179157	-0.31	3.25E-05	9.74E-02
2954558	ENSG000000179157	0.29	8.98E-05	2.69E-01
2954541	ENSG000000179157	-0.24	1.33E-03	1.00E+00
2954542	ENSG000000179157	0.06	4.38E-01	1.00E+00
2954543	ENSG000000179157	-0.24	1.11E-03	1.00E+00
2954545	ENSG000000179157	0.24	1.26E-03	1.00E+00
2954547	ENSG000000179157	0.26	5.29E-04	1.00E+00
2954548	ENSG000000179157	0.04	5.61E-01	1.00E+00
2954549	ENSG000000179157	0.12	1.27E-01	1.00E+00
2954551	ENSG000000179157	0.19	1.16E-02	1.00E+00
2954556	ENSG000000179157	-0.04	6.17E-01	1.00E+00
2954557	ENSG000000179157	-0.10	1.87E-01	1.00E+00
2954565	ENSG000000179157	-0.11	1.56E-01	1.00E+00
2954566	ENSG000000179157	-0.15	4.30E-02	1.00E+00
2954568	ENSG000000179157	-0.14	6.34E-02	1.00E+00
2954573	ENSG000000179157	0.19	1.17E-02	1.00E+00
2675662	ENSG000000179837	0.44	1.30E-09	3.89E-06
2675657	ENSG000000179837	-0.41	2.38E-08	7.13E-05
2675663	ENSG000000179837	-0.39	1.03E-07	3.09E-04
2675640	ENSG000000179837	-0.38	1.90E-07	5.69E-04
2675636	ENSG000000179837	0.36	7.51E-07	2.25E-03

2675655	ENSG000000179837	0.36	1.15E-06	3.45E-03
2675653	ENSG000000179837	-0.33	6.05E-06	1.81E-02
2675638	ENSG000000179837	-0.33	6.98E-06	2.09E-02
2675635	ENSG000000179837	-0.27	2.66E-04	7.97E-01
2675642	ENSG000000179837	0.27	3.07E-04	9.20E-01
2675637	ENSG000000179837	0.03	7.11E-01	1.00E+00
2675639	ENSG000000179837	-0.24	1.68E-03	1.00E+00
2675641	ENSG000000179837	0.19	1.04E-02	1.00E+00
2675643	ENSG000000179837	0.03	7.18E-01	1.00E+00
2675644	ENSG000000179837	0.00	9.49E-01	1.00E+00
2675647	ENSG000000179837	-0.22	2.91E-03	1.00E+00
2675649	ENSG000000179837	0.08	3.14E-01	1.00E+00
2675650	ENSG000000179837	0.21	5.15E-03	1.00E+00
2675652	ENSG000000179837	0.08	2.74E-01	1.00E+00
2675654	ENSG000000179837	0.11	1.64E-01	1.00E+00
2675656	ENSG000000179837	-0.24	1.41E-03	1.00E+00
2675659	ENSG000000179837	0.09	2.42E-01	1.00E+00
2675660	ENSG000000179837	0.08	3.20E-01	1.00E+00
2675661	ENSG000000179837	0.12	1.17E-01	1.00E+00
2675664	ENSG000000179837	-0.13	9.18E-02	1.00E+00
2675666	ENSG000000179837	0.07	3.23E-01	1.00E+00
3557111	ENSG000000179933	-0.45	2.64E-10	7.92E-07
3557112	ENSG000000179933	0.41	1.41E-08	4.21E-05
3557130	ENSG000000179933	0.38	2.03E-07	6.08E-04
3557162	ENSG000000179933	0.34	4.75E-06	1.42E-02
3557107	ENSG000000179933	0.09	2.38E-01	1.00E+00
3557108	ENSG000000179933	0.17	2.15E-02	1.00E+00
3557109	ENSG000000179933	-0.21	5.79E-03	1.00E+00
3557113	ENSG000000179933	0.17	2.77E-02	1.00E+00
3557116	ENSG000000179933	0.00	9.86E-01	1.00E+00
3557117	ENSG000000179933	0.02	7.69E-01	1.00E+00
3557119	ENSG000000179933	-0.24	1.12E-03	1.00E+00
3557121	ENSG000000179933	0.22	3.54E-03	1.00E+00
3557122	ENSG000000179933	-0.19	9.80E-03	1.00E+00
3557123	ENSG000000179933	0.01	8.50E-01	1.00E+00
3557126	ENSG000000179933	0.22	3.09E-03	1.00E+00
3557131	ENSG000000179933	-0.12	1.15E-01	1.00E+00
3557133	ENSG000000179933	-0.14	6.98E-02	1.00E+00
3557134	ENSG000000179933	-0.20	6.67E-03	1.00E+00
3557139	ENSG000000179933	0.17	2.28E-02	1.00E+00
3557141	ENSG000000179933	0.08	3.18E-01	1.00E+00
3557143	ENSG000000179933	-0.11	1.31E-01	1.00E+00
3557147	ENSG000000179933	-0.13	9.40E-02	1.00E+00
3557148	ENSG000000179933	-0.13	9.05E-02	1.00E+00
3557149	ENSG000000179933	0.00	9.85E-01	1.00E+00
3557150	ENSG000000179933	-0.22	3.41E-03	1.00E+00
3557152	ENSG000000179933	-0.09	2.57E-01	1.00E+00
3557153	ENSG000000179933	-0.20	7.37E-03	1.00E+00
3557154	ENSG000000179933	-0.18	1.88E-02	1.00E+00

3557164	ENSG00000179933	0.16	3.12E-02	1.00E+00
3557165	ENSG00000179933	-0.26	5.88E-04	1.00E+00
4026736	ENSG00000180879	0.38	1.35E-07	4.05E-04
4026733	ENSG00000180879	-0.33	6.30E-06	1.89E-02
4026729	ENSG00000180879	-0.30	4.53E-05	1.36E-01
4026725	ENSG00000180879	-0.28	1.34E-04	4.02E-01
4026740	ENSG00000180879	0.28	1.60E-04	4.78E-01
4026753	ENSG00000180879	0.27	2.47E-04	7.40E-01
4026723	ENSG00000180879	0.19	1.39E-02	1.00E+00
4026724	ENSG00000180879	-0.18	1.62E-02	1.00E+00
4026727	ENSG00000180879	-0.15	4.93E-02	1.00E+00
4026728	ENSG00000180879	0.17	2.68E-02	1.00E+00
4026730	ENSG00000180879	-0.06	4.31E-01	1.00E+00
4026732	ENSG00000180879	0.04	6.08E-01	1.00E+00
4026735	ENSG00000180879	0.17	2.60E-02	1.00E+00
4026737	ENSG00000180879	0.10	1.92E-01	1.00E+00
4026742	ENSG00000180879	0.24	1.29E-03	1.00E+00
2342596	ENSG00000181227	-0.65	1.41E-22	4.23E-19
2342604	ENSG00000181227	-0.63	1.42E-20	4.26E-17
2342612	ENSG00000181227	-0.57	1.43E-16	4.27E-13
2342595	ENSG00000181227	-0.56	7.01E-16	2.10E-12
2342615	ENSG00000181227	0.55	1.83E-15	5.48E-12
2342591	ENSG00000181227	0.50	1.55E-12	4.63E-09
2342590	ENSG00000181227	-0.39	1.08E-07	3.22E-04
2342597	ENSG00000181227	-0.39	1.22E-07	3.66E-04
2342614	ENSG00000181227	0.35	1.66E-06	4.97E-03
2342584	ENSG00000181227	-0.34	3.06E-06	9.17E-03
2342582	ENSG00000181227	-0.12	1.11E-01	1.00E+00
2342605	ENSG00000181227	0.06	4.11E-01	1.00E+00
2342607	ENSG00000181227	0.17	2.36E-02	1.00E+00
2342608	ENSG00000181227	0.05	5.25E-01	1.00E+00
2342616	ENSG00000181227	0.26	3.87E-04	1.00E+00
3815359	ENSG00000182087	0.24	1.26E-03	1.00E+00
3815360	ENSG00000182087	0.06	4.35E-01	1.00E+00
3815365	ENSG00000182087	0.13	8.40E-02	1.00E+00
3815372	ENSG00000182087	-0.18	1.53E-02	1.00E+00
3473824	ENSG00000182382	-0.40	5.17E-08	1.55E-04
3473808	ENSG00000182382	-0.37	4.12E-07	1.23E-03
3473839	ENSG00000182382	0.37	4.46E-07	1.33E-03
3473811	ENSG00000182382	-0.33	7.18E-06	2.15E-02
3473838	ENSG00000182382	0.31	2.58E-05	7.72E-02
3473826	ENSG00000182382	-0.29	9.81E-05	2.94E-01
3473806	ENSG00000182382	-0.28	2.06E-04	6.16E-01
3473807	ENSG00000182382	-0.25	9.39E-04	1.00E+00
3473817	ENSG00000182382	0.03	6.90E-01	1.00E+00
3473821	ENSG00000182382	-0.24	1.06E-03	1.00E+00
3473823	ENSG00000182382	-0.14	7.01E-02	1.00E+00
3473827	ENSG00000182382	-0.11	1.37E-01	1.00E+00
3473836	ENSG00000182382	0.05	4.88E-01	1.00E+00

3473840	ENSG00000182382	0.17	2.11E-02	1.00E+00
3473845	ENSG00000182382	0.10	1.74E-01	1.00E+00
3473848	ENSG00000182382	0.13	8.97E-02	1.00E+00
3473849	ENSG00000182382	0.24	1.50E-03	1.00E+00
3473852	ENSG00000182382	0.15	4.19E-02	1.00E+00
3473853	ENSG00000182382	0.08	2.95E-01	1.00E+00
3473854	ENSG00000182382	0.24	1.27E-03	1.00E+00
3473855	ENSG00000182382	-0.07	3.23E-01	1.00E+00
3473857	ENSG00000182382	0.07	3.38E-01	1.00E+00
3473863	ENSG00000182382	-0.10	1.89E-01	1.00E+00
3473865	ENSG00000182382	0.02	7.98E-01	1.00E+00
3473882	ENSG00000182382	-0.16	3.87E-02	1.00E+00
3644600	ENSG00000182685	0.70	2.11E-27	6.33E-24
3644611	ENSG00000182685	-0.60	9.53E-19	2.85E-15
3644612	ENSG00000182685	-0.58	3.06E-17	9.16E-14
3644620	ENSG00000182685	0.55	4.16E-15	1.25E-11
3644607	ENSG00000182685	-0.55	4.43E-15	1.33E-11
3644598	ENSG00000182685	0.51	6.79E-13	2.03E-09
3644608	ENSG00000182685	-0.48	1.12E-11	3.37E-08
3644618	ENSG00000182685	0.48	1.83E-11	5.47E-08
3644605	ENSG00000182685	-0.36	7.65E-07	2.29E-03
3644604	ENSG00000182685	0.36	8.26E-07	2.47E-03
3644619	ENSG00000182685	-0.31	3.76E-05	1.13E-01
3644603	ENSG00000182685	-0.09	2.16E-01	1.00E+00
3644617	ENSG00000182685	-0.21	4.67E-03	1.00E+00
3644621	ENSG00000182685	0.13	9.41E-02	1.00E+00
3644622	ENSG00000182685	-0.07	3.74E-01	1.00E+00
4007011	ENSG00000182872	-0.10	1.92E-01	1.00E+00
4007013	ENSG00000182872	0.05	5.11E-01	1.00E+00
4007014	ENSG00000182872	0.17	2.79E-02	1.00E+00
4007017	ENSG00000182872	0.06	3.98E-01	1.00E+00
4007018	ENSG00000182872	-0.13	7.70E-02	1.00E+00
2831642	ENSG00000183403	0.12	1.05E-01	1.00E+00
2831645	ENSG00000183403	-0.07	3.40E-01	1.00E+00
2831649	ENSG00000183403	0.08	3.00E-01	1.00E+00
2831650	ENSG00000183403	0.15	4.01E-02	1.00E+00
2831651	ENSG00000183403	-0.19	1.12E-02	1.00E+00
2831652	ENSG00000183403	-0.13	8.59E-02	1.00E+00
2831653	ENSG00000183403	-0.01	8.83E-01	1.00E+00
2831654	ENSG00000183403	-0.09	2.58E-01	1.00E+00
3608560	ENSG00000184508	-0.41	1.77E-08	5.31E-05
3608546	ENSG00000184508	0.37	3.97E-07	1.19E-03
3608535	ENSG00000184508	0.35	2.42E-06	7.25E-03
3608561	ENSG00000184508	-0.33	6.91E-06	2.07E-02
3608526	ENSG00000184508	-0.19	1.31E-02	1.00E+00
3608530	ENSG00000184508	-0.12	1.27E-01	1.00E+00
3608531	ENSG00000184508	-0.11	1.45E-01	1.00E+00
3608533	ENSG00000184508	0.00	9.65E-01	1.00E+00
3608534	ENSG00000184508	-0.19	1.06E-02	1.00E+00

3608538	ENSG00000184508	-0.15	4.84E-02	1.00E+00
3608541	ENSG00000184508	0.15	4.89E-02	1.00E+00
3608542	ENSG00000184508	0.20	7.71E-03	1.00E+00
3608551	ENSG00000184508	0.22	3.98E-03	1.00E+00
3608552	ENSG00000184508	-0.12	1.19E-01	1.00E+00
3608553	ENSG00000184508	-0.03	6.47E-01	1.00E+00
3608555	ENSG00000184508	-0.05	5.01E-01	1.00E+00
3608556	ENSG00000184508	0.08	2.69E-01	1.00E+00
3608558	ENSG00000184508	-0.05	4.80E-01	1.00E+00
3608566	ENSG00000184508	0.22	3.61E-03	1.00E+00
3608567	ENSG00000184508	0.07	3.31E-01	1.00E+00
3608569	ENSG00000184508	-0.03	7.27E-01	1.00E+00
3982427	ENSG00000186076	0.02	7.98E-01	1.00E+00
3982429	ENSG00000186076	-0.17	2.77E-02	1.00E+00
3982432	ENSG00000186076	-0.25	1.01E-03	1.00E+00
3982433	ENSG00000186076	-0.13	9.55E-02	1.00E+00
3982434	ENSG00000186076	-0.25	8.16E-04	1.00E+00
3982435	ENSG00000186076	-0.04	5.60E-01	1.00E+00
3982448	ENSG00000186076	0.10	2.03E-01	1.00E+00
3982449	ENSG00000186076	0.19	1.06E-02	1.00E+00
3982452	ENSG00000186076	0.24	1.52E-03	1.00E+00
3982454	ENSG00000186076	0.10	1.74E-01	1.00E+00
2428522	ENSG00000186208	-0.38	2.01E-07	6.01E-04
2428517	ENSG00000186208	0.35	2.55E-06	7.63E-03
2428505	ENSG00000186208	0.23	1.84E-03	1.00E+00
2428506	ENSG00000186208	0.08	2.76E-01	1.00E+00
2428507	ENSG00000186208	-0.06	4.43E-01	1.00E+00
2428508	ENSG00000186208	-0.12	1.24E-01	1.00E+00
2428510	ENSG00000186208	0.05	5.06E-01	1.00E+00
2428511	ENSG00000186208	-0.04	5.95E-01	1.00E+00
2428516	ENSG00000186208	0.14	7.27E-02	1.00E+00
2428523	ENSG00000186208	0.06	4.45E-01	1.00E+00
3674384	ENSG00000187741	-0.38	2.15E-07	6.44E-04
3674370	ENSG00000187741	0.31	2.56E-05	7.67E-02
3674351	ENSG00000187741	-0.29	8.01E-05	2.40E-01
3674373	ENSG00000187741	0.28	2.19E-04	6.56E-01
3674352	ENSG00000187741	-0.05	4.93E-01	1.00E+00
3674354	ENSG00000187741	0.13	7.65E-02	1.00E+00
3674356	ENSG00000187741	-0.13	8.90E-02	1.00E+00
3674357	ENSG00000187741	-0.08	2.78E-01	1.00E+00
3674358	ENSG00000187741	0.26	3.89E-04	1.00E+00
3674359	ENSG00000187741	0.13	9.65E-02	1.00E+00
3674369	ENSG00000187741	0.06	4.56E-01	1.00E+00
4051727	ENSG00000188747	-0.63	4.05E-21	1.21E-17
4051825	ENSG00000188747	0.44	7.12E-10	2.13E-06
4051734	ENSG00000188747	0.40	4.58E-08	1.37E-04
4051837	ENSG00000188747	0.35	2.00E-06	5.99E-03
4051725	ENSG00000188747	-0.28	1.36E-04	4.07E-01
4050690	ENSG00000188747	-0.12	1.15E-01	1.00E+00

4051839	ENSG00000188747	-0.27	3.70E-04	1.00E+00
4050639	ENSG00000188833	-0.63	3.11E-21	9.32E-18
4050644	ENSG00000188833	0.44	1.11E-09	3.31E-06
4050652	ENSG00000188833	0.30	4.03E-05	1.21E-01
4050633	ENSG00000188833	-0.10	2.03E-01	1.00E+00
4050640	ENSG00000188833	-0.17	2.53E-02	1.00E+00
4050656	ENSG00000188833	-0.13	8.40E-02	1.00E+00
4050658	ENSG00000188833	-0.12	1.16E-01	1.00E+00
4050662	ENSG00000188833	-0.09	2.12E-01	1.00E+00
3529736	ENSG00000196497	0.36	7.86E-07	2.35E-03
3529742	ENSG00000196497	-0.29	9.20E-05	2.75E-01
3529744	ENSG00000196497	-0.29	1.09E-04	3.26E-01
3529727	ENSG00000196497	0.20	6.93E-03	1.00E+00
3529728	ENSG00000196497	0.05	5.28E-01	1.00E+00
3529729	ENSG00000196497	0.14	6.25E-02	1.00E+00
3529730	ENSG00000196497	0.10	1.81E-01	1.00E+00
3529731	ENSG00000196497	0.26	4.79E-04	1.00E+00
3529732	ENSG00000196497	-0.04	6.24E-01	1.00E+00
3529733	ENSG00000196497	0.05	5.25E-01	1.00E+00
3529734	ENSG00000196497	-0.17	2.04E-02	1.00E+00
3529735	ENSG00000196497	0.15	4.14E-02	1.00E+00
3529737	ENSG00000196497	-0.05	5.24E-01	1.00E+00
3529738	ENSG00000196497	0.20	8.17E-03	1.00E+00
3529739	ENSG00000196497	0.00	9.81E-01	1.00E+00
3529740	ENSG00000196497	0.09	2.33E-01	1.00E+00
3529748	ENSG00000196497	-0.09	2.17E-01	1.00E+00
3529749	ENSG00000196497	0.07	3.76E-01	1.00E+00
3529754	ENSG00000196497	-0.13	8.00E-02	1.00E+00
3529755	ENSG00000196497	-0.07	3.87E-01	1.00E+00
3529756	ENSG00000196497	-0.12	1.23E-01	1.00E+00
3529758	ENSG00000196497	0.05	4.77E-01	1.00E+00
3768419	ENSG00000196704	0.29	1.05E-04	3.16E-01
3768418	ENSG00000196704	-0.29	1.08E-04	3.22E-01
3768422	ENSG00000196704	0.04	5.80E-01	1.00E+00
3768423	ENSG00000196704	-0.15	4.47E-02	1.00E+00
3856353	ENSG00000196705	0.49	5.27E-12	1.58E-08
3856365	ENSG00000196705	-0.31	2.08E-05	6.22E-02
3856361	ENSG00000196705	-0.14	5.77E-02	1.00E+00
3231189	ENSG00000197070	0.00	9.69E-01	1.00E+00
3231190	ENSG00000197070	0.19	1.18E-02	1.00E+00
3231192	ENSG00000197070	0.05	5.04E-01	1.00E+00
3231193	ENSG00000197070	-0.12	1.11E-01	1.00E+00
3231194	ENSG00000197070	0.01	8.85E-01	1.00E+00
2889532	ENSG00000197451	-0.47	2.92E-11	8.75E-08
2889489	ENSG00000197451	0.39	1.10E-07	3.30E-04
2889519	ENSG00000197451	-0.33	9.86E-06	2.95E-02
2889490	ENSG00000197451	0.12	1.21E-01	1.00E+00
2889495	ENSG00000197451	0.08	3.12E-01	1.00E+00
2889496	ENSG00000197451	0.13	7.59E-02	1.00E+00

2889498	ENSG000000197451	0.12	1.17E-01	1.00E+00
2889500	ENSG000000197451	-0.19	1.17E-02	1.00E+00
2889502	ENSG000000197451	-0.02	7.57E-01	1.00E+00
2889503	ENSG000000197451	-0.19	1.00E-02	1.00E+00
2889509	ENSG000000197451	-0.22	2.93E-03	1.00E+00
2889510	ENSG000000197451	-0.13	9.17E-02	1.00E+00
2889512	ENSG000000197451	0.03	7.14E-01	1.00E+00
2889515	ENSG000000197451	0.00	9.56E-01	1.00E+00
2889521	ENSG000000197451	-0.19	1.01E-02	1.00E+00
2889525	ENSG000000197451	0.22	3.16E-03	1.00E+00
2889534	ENSG000000197451	0.08	2.70E-01	1.00E+00
2889538	ENSG000000197451	-0.25	6.53E-04	1.00E+00
3226599	ENSG000000197694	0.37	4.02E-07	1.21E-03
3226610	ENSG000000197694	0.36	1.33E-06	3.98E-03
3226609	ENSG000000197694	-0.29	1.22E-04	3.65E-01
3226607	ENSG000000197694	-0.28	1.30E-04	3.89E-01
3226598	ENSG000000197694	0.26	4.97E-04	1.00E+00
3226600	ENSG000000197694	0.01	9.37E-01	1.00E+00
3226605	ENSG000000197694	-0.15	4.34E-02	1.00E+00
3226613	ENSG000000197694	0.06	3.99E-01	1.00E+00
3226619	ENSG000000197694	-0.18	1.75E-02	1.00E+00
3226620	ENSG000000197694	-0.21	5.92E-03	1.00E+00
3226621	ENSG000000197694	-0.05	5.26E-01	1.00E+00
3130835	ENSG000000198042	-0.47	4.52E-11	1.35E-07
3130838	ENSG000000198042	0.39	8.47E-08	2.54E-04
3130826	ENSG000000198042	0.14	5.66E-02	1.00E+00
3130831	ENSG000000198042	0.10	1.82E-01	1.00E+00
3130834	ENSG000000198042	0.20	7.38E-03	1.00E+00
3130837	ENSG000000198042	-0.16	3.00E-02	1.00E+00
3130839	ENSG000000198042	-0.15	4.46E-02	1.00E+00
3130840	ENSG000000198042	-0.11	1.50E-01	1.00E+00
2409389	ENSG000000198198	0.44	1.42E-09	4.25E-06
2409375	ENSG000000198198	-0.34	3.13E-06	9.37E-03
2409372	ENSG000000198198	-0.28	1.69E-04	5.07E-01
2409388	ENSG000000198198	-0.14	6.39E-02	1.00E+00
3315151	ENSG000000198546	-0.55	3.79E-15	1.13E-11
3315169	ENSG000000198546	-0.47	3.28E-11	9.81E-08
3315171	ENSG000000198546	0.45	5.29E-10	1.58E-06
3315149	ENSG000000198546	-0.42	8.83E-09	2.64E-05
3315172	ENSG000000198546	0.37	3.58E-07	1.07E-03
3315125	ENSG000000198546	0.36	8.73E-07	2.61E-03
3315166	ENSG000000198546	0.31	2.61E-05	7.80E-02
3315152	ENSG000000198546	-0.30	5.86E-05	1.75E-01
3315165	ENSG000000198546	0.29	9.81E-05	2.94E-01
3315121	ENSG000000198546	-0.29	1.21E-04	3.62E-01
3315117	ENSG000000198546	0.05	5.09E-01	1.00E+00
3315123	ENSG000000198546	0.21	4.27E-03	1.00E+00
3315128	ENSG000000198546	-0.16	3.83E-02	1.00E+00
3315129	ENSG000000198546	0.08	3.15E-01	1.00E+00

3315132	ENSG00000198546	0.01	9.29E-01	1.00E+00
3315133	ENSG00000198546	-0.11	1.30E-01	1.00E+00
3315135	ENSG00000198546	0.02	7.54E-01	1.00E+00
3315136	ENSG00000198546	0.21	4.65E-03	1.00E+00
3315137	ENSG00000198546	0.18	1.96E-02	1.00E+00
3315138	ENSG00000198546	0.09	2.11E-01	1.00E+00
3315141	ENSG00000198546	0.14	7.07E-02	1.00E+00
3315145	ENSG00000198546	0.12	1.08E-01	1.00E+00
3315159	ENSG00000198546	0.22	3.67E-03	1.00E+00
3315160	ENSG00000198546	0.07	3.70E-01	1.00E+00
3315164	ENSG00000198546	0.04	6.38E-01	1.00E+00
2952066	ENSG00000198663	0.37	3.02E-07	9.05E-04
2952071	ENSG00000198663	0.37	3.70E-07	1.11E-03
2952068	ENSG00000198663	-0.35	1.45E-06	4.34E-03
2952067	ENSG00000198663	-0.27	3.69E-04	1.00E+00
2952073	ENSG00000198663	-0.18	1.66E-02	1.00E+00
3190766	ENSG00000198917	0.16	3.84E-02	1.00E+00
3190767	ENSG00000198917	0.17	2.75E-02	1.00E+00
3190775	ENSG00000198917	-0.18	1.64E-02	1.00E+00
2437697	ENSG00000203761	-0.53	3.68E-14	1.10E-10
2437680	ENSG00000203761	0.42	7.31E-09	2.19E-05
2437696	ENSG00000203761	-0.38	1.98E-07	5.92E-04
2437716	ENSG00000203761	0.34	5.50E-06	1.65E-02
2437722	ENSG00000203761	-0.33	7.49E-06	2.24E-02
2437670	ENSG00000203761	-0.29	9.63E-05	2.88E-01
2437665	ENSG00000203761	0.27	3.61E-04	1.00E+00
2437666	ENSG00000203761	0.04	6.10E-01	1.00E+00
2437668	ENSG00000203761	-0.06	4.10E-01	1.00E+00
2437675	ENSG00000203761	-0.08	2.92E-01	1.00E+00
2437676	ENSG00000203761	0.06	4.59E-01	1.00E+00
2437677	ENSG00000203761	0.21	6.25E-03	1.00E+00
2437678	ENSG00000203761	0.11	1.46E-01	1.00E+00
2437679	ENSG00000203761	-0.25	7.92E-04	1.00E+00
2437681	ENSG00000203761	0.00	9.81E-01	1.00E+00
2437686	ENSG00000203761	0.11	1.54E-01	1.00E+00
2437687	ENSG00000203761	0.09	2.19E-01	1.00E+00
2437689	ENSG00000203761	-0.11	1.64E-01	1.00E+00
2437692	ENSG00000203761	-0.10	1.90E-01	1.00E+00
2437695	ENSG00000203761	-0.23	2.05E-03	1.00E+00
2437701	ENSG00000203761	0.04	5.84E-01	1.00E+00
2437702	ENSG00000203761	0.12	1.18E-01	1.00E+00
2437709	ENSG00000203761	0.05	5.09E-01	1.00E+00
3195364	ENSG00000203993	-0.08	2.87E-01	1.00E+00
3195365	ENSG00000203993	-0.02	8.24E-01	1.00E+00
3195366	ENSG00000203993	-0.26	6.06E-04	1.00E+00
3195376	ENSG00000203993	-0.05	5.51E-01	1.00E+00
3195377	ENSG00000203993	0.12	1.22E-01	1.00E+00
3195380	ENSG00000203993	0.06	4.11E-01	1.00E+00
3195383	ENSG00000203993	0.13	9.32E-02	1.00E+00

3195384	ENSG00000203993	0.02	8.14E-01	1.00E+00
3195386	ENSG00000203993	-0.01	8.88E-01	1.00E+00
3195392	ENSG00000203993	0.10	1.80E-01	1.00E+00
3195393	ENSG00000203993	-0.10	1.71E-01	1.00E+00
3195396	ENSG00000203993	0.10	2.06E-01	1.00E+00
2903594	ENSG00000204218	-0.37	3.32E-07	9.95E-04
2903591	ENSG00000204218	0.35	1.57E-06	4.71E-03
2903596	ENSG00000204218	0.31	2.61E-05	7.81E-02
2903592	ENSG00000204218	-0.28	1.63E-04	4.88E-01
2903598	ENSG00000204218	0.04	6.12E-01	1.00E+00
2950598	ENSG00000204220	0.55	1.46E-15	4.39E-12
2950625	ENSG00000204220	-0.47	4.73E-11	1.42E-07
2950617	ENSG00000204220	0.41	1.39E-08	4.17E-05
2950614	ENSG00000204220	0.40	3.78E-08	1.13E-04
2950597	ENSG00000204220	-0.12	1.02E-01	1.00E+00
2950618	ENSG00000204220	-0.26	5.02E-04	1.00E+00
2950622	ENSG00000204220	-0.21	4.29E-03	1.00E+00
2948770	ENSG00000204351	-0.49	3.25E-12	9.74E-09
2948773	ENSG00000204351	0.34	2.76E-06	8.26E-03
2948771	ENSG00000204351	-0.27	2.50E-04	7.50E-01
2948764	ENSG00000204351	0.09	2.17E-01	1.00E+00
2948766	ENSG00000204351	0.12	1.16E-01	1.00E+00
2948768	ENSG00000204351	-0.07	3.52E-01	1.00E+00
2948769	ENSG00000204351	-0.04	5.71E-01	1.00E+00
2948776	ENSG00000204351	0.20	6.83E-03	1.00E+00
2902930	ENSG00000204356	-0.51	3.12E-13	9.33E-10
2902925	ENSG00000204356	-0.49	5.88E-12	1.76E-08
2902893	ENSG00000204356	0.44	9.79E-10	2.93E-06
2902895	ENSG00000204356	0.40	2.99E-08	8.96E-05
2902918	ENSG00000204356	0.39	7.17E-08	2.15E-04
2902931	ENSG00000204356	-0.38	2.08E-07	6.22E-04
2902907	ENSG00000204356	0.33	5.62E-06	1.68E-02
2902919	ENSG00000204356	0.32	1.23E-05	3.70E-02
2902911	ENSG00000204356	-0.32	1.26E-05	3.78E-02
2902903	ENSG00000204356	0.32	1.49E-05	4.46E-02
2902932	ENSG00000204356	-0.30	4.38E-05	1.31E-01
2902887	ENSG00000204356	-0.30	5.61E-05	1.68E-01
2902892	ENSG00000204356	-0.04	5.82E-01	1.00E+00
2902899	ENSG00000204356	0.10	1.72E-01	1.00E+00
2902902	ENSG00000204356	0.09	2.40E-01	1.00E+00
2902906	ENSG00000204356	-0.20	6.65E-03	1.00E+00
2902909	ENSG00000204356	0.19	1.21E-02	1.00E+00
2902912	ENSG00000204356	0.10	1.97E-01	1.00E+00
2902914	ENSG00000204356	0.16	3.12E-02	1.00E+00
2902916	ENSG00000204356	0.22	3.27E-03	1.00E+00
2902917	ENSG00000204356	-0.02	8.42E-01	1.00E+00
2902920	ENSG00000204356	-0.01	9.46E-01	1.00E+00
2902928	ENSG00000204356	-0.06	4.29E-01	1.00E+00
2901355	ENSG00000204618	-0.11	1.58E-01	1.00E+00

2901356	ENSG00000204618	0.19	1.27E-02	1.00E+00
2901366	ENSG00000204618	0.01	8.62E-01	1.00E+00
2901367	ENSG00000204618	-0.06	4.22E-01	1.00E+00
2901368	ENSG00000204618	0.06	4.30E-01	1.00E+00
2901369	ENSG00000204618	-0.19	1.30E-02	1.00E+00
2901370	ENSG00000204618	0.02	8.34E-01	1.00E+00
2901371	ENSG00000204618	-0.04	5.74E-01	1.00E+00
2948202	ENSG00000204619	-0.35	1.98E-06	5.92E-03
2948199	ENSG00000204619	0.31	3.22E-05	9.65E-02
2948200	ENSG00000204619	0.10	1.77E-01	1.00E+00
2948201	ENSG00000204619	0.12	1.12E-01	1.00E+00
3839071	ENSG00000204673	0.53	3.00E-14	8.99E-11
3839097	ENSG00000204673	0.50	1.05E-12	3.15E-09
3839074	ENSG00000204673	0.47	3.07E-11	9.18E-08
3839072	ENSG00000204673	0.41	2.21E-08	6.62E-05
3839083	ENSG00000204673	-0.34	4.77E-06	1.43E-02
3839062	ENSG00000204673	-0.25	9.05E-04	1.00E+00
3839076	ENSG00000204673	-0.24	1.25E-03	1.00E+00
3839077	ENSG00000204673	-0.18	1.54E-02	1.00E+00
3839079	ENSG00000204673	-0.15	4.91E-02	1.00E+00
3839080	ENSG00000204673	-0.09	2.39E-01	1.00E+00
3839081	ENSG00000204673	0.01	9.22E-01	1.00E+00
3839082	ENSG00000204673	-0.22	3.57E-03	1.00E+00
3839089	ENSG00000204673	0.20	8.77E-03	1.00E+00
3839090	ENSG00000204673	-0.07	3.83E-01	1.00E+00
3839091	ENSG00000204673	-0.15	5.02E-02	1.00E+00
3839092	ENSG00000204673	0.07	3.81E-01	1.00E+00
3839093	ENSG00000204673	0.00	9.95E-01	1.00E+00
3832634	ENSG00000205077	0.41	1.29E-08	3.85E-05
3832638	ENSG00000205077	0.28	1.63E-04	4.87E-01
3832619	ENSG00000205077	-0.15	5.15E-02	1.00E+00
3832620	ENSG00000205077	0.03	7.36E-01	1.00E+00
3832621	ENSG00000205077	0.16	3.95E-02	1.00E+00
3832622	ENSG00000205077	0.21	4.82E-03	1.00E+00
3832623	ENSG00000205077	-0.27	3.77E-04	1.00E+00
3832624	ENSG00000205077	0.12	1.26E-01	1.00E+00
3832628	ENSG00000205077	0.14	6.69E-02	1.00E+00
3832632	ENSG00000205077	0.12	1.00E-01	1.00E+00
3832637	ENSG00000205077	-0.26	4.25E-04	1.00E+00
3832641	ENSG00000205077	0.16	3.34E-02	1.00E+00
2875479	ENSG00000205089	-0.43	2.89E-09	8.64E-06
2875476	ENSG00000205089	-0.29	7.33E-05	2.19E-01
2875461	ENSG00000205089	0.28	1.66E-04	4.97E-01
2875459	ENSG00000205089	0.26	5.44E-04	1.00E+00
2875460	ENSG00000205089	0.16	3.56E-02	1.00E+00
2875463	ENSG00000205089	0.02	8.33E-01	1.00E+00
2875464	ENSG00000205089	0.20	7.50E-03	1.00E+00
2875465	ENSG00000205089	0.14	5.57E-02	1.00E+00
2875466	ENSG00000205089	0.09	2.43E-01	1.00E+00

2875467	ENSG00000205089	0.17	2.59E-02	1.00E+00
2875468	ENSG00000205089	-0.07	3.26E-01	1.00E+00
2875469	ENSG00000205089	0.20	7.64E-03	1.00E+00
2875472	ENSG00000205089	-0.04	6.25E-01	1.00E+00
2875474	ENSG00000205089	0.05	5.13E-01	1.00E+00
2871182	ENSG00000212643	0.51	8.85E-13	2.65E-09
2871183	ENSG00000212643	0.50	1.41E-12	4.23E-09
2871211	ENSG00000212643	-0.44	6.89E-10	2.06E-06
2871188	ENSG00000212643	-0.42	5.16E-09	1.55E-05
2871212	ENSG00000212643	-0.32	1.37E-05	4.12E-02
2871180	ENSG00000212643	0.11	1.57E-01	1.00E+00
2871192	ENSG00000212643	0.24	1.36E-03	1.00E+00
2871198	ENSG00000212643	-0.03	6.63E-01	1.00E+00
2871201	ENSG00000212643	0.08	3.17E-01	1.00E+00
2871210	ENSG00000212643	-0.24	1.08E-03	1.00E+00
2871214	ENSG00000212643	-0.10	2.01E-01	1.00E+00
2871218	ENSG00000212643	-0.24	1.33E-03	1.00E+00
3826512	ENSG00000213099	-0.19	1.25E-02	1.00E+00
3826514	ENSG00000213099	0.05	5.09E-01	1.00E+00
3826516	ENSG00000213099	0.21	4.67E-03	1.00E+00
3826517	ENSG00000213099	0.06	3.93E-01	1.00E+00
2843009	ENSG00000213350	-0.61	2.41E-19	7.22E-16
2842970	ENSG00000213350	0.59	8.88E-18	2.66E-14
2843014	ENSG00000213350	-0.53	2.12E-14	6.34E-11
2843048	ENSG00000213350	-0.51	3.21E-13	9.61E-10
2842999	ENSG00000213350	-0.51	7.40E-13	2.21E-09
2843011	ENSG00000213350	-0.48	1.83E-11	5.47E-08
2842988	ENSG00000213350	-0.48	1.86E-11	5.57E-08
2843036	ENSG00000213350	0.45	2.95E-10	8.83E-07
2843030	ENSG00000213350	0.38	2.18E-07	6.51E-04
2843023	ENSG00000213350	0.35	1.54E-06	4.61E-03
2843056	ENSG00000213350	0.33	8.44E-06	2.53E-02
2843042	ENSG00000213350	0.32	1.36E-05	4.07E-02
2842977	ENSG00000213350	-0.31	2.43E-05	7.28E-02
2843000	ENSG00000213350	-0.30	3.93E-05	1.18E-01
2843007	ENSG00000213350	0.30	4.20E-05	1.26E-01
2842964	ENSG00000213350	-0.29	7.14E-05	2.14E-01
2842967	ENSG00000213350	0.23	2.29E-03	1.00E+00
2842968	ENSG00000213350	-0.01	8.59E-01	1.00E+00
2842969	ENSG00000213350	-0.16	4.00E-02	1.00E+00
2842976	ENSG00000213350	0.06	4.65E-01	1.00E+00
2842995	ENSG00000213350	0.22	4.13E-03	1.00E+00
2842998	ENSG00000213350	0.15	4.45E-02	1.00E+00
2843001	ENSG00000213350	-0.22	2.73E-03	1.00E+00
2843004	ENSG00000213350	-0.20	6.76E-03	1.00E+00
2843013	ENSG00000213350	0.13	9.37E-02	1.00E+00
2843024	ENSG00000213350	0.21	5.06E-03	1.00E+00
2843032	ENSG00000213350	0.24	1.17E-03	1.00E+00
2843033	ENSG00000213350	0.23	1.87E-03	1.00E+00

2843034	ENSG000000213350	-0.25	8.79E-04	1.00E+00
2843038	ENSG000000213350	0.01	8.85E-01	1.00E+00
2843039	ENSG000000213350	-0.18	1.54E-02	1.00E+00
2843041	ENSG000000213350	0.20	6.59E-03	1.00E+00
2843044	ENSG000000213350	0.15	4.68E-02	1.00E+00
2843045	ENSG000000213350	0.10	1.69E-01	1.00E+00
2843046	ENSG000000213350	0.01	9.25E-01	1.00E+00
2843047	ENSG000000213350	-0.16	3.01E-02	1.00E+00
2843049	ENSG000000213350	0.01	8.87E-01	1.00E+00