

**Table S2:** Measurements of genes in each step

<b>Ensembl ID</b>	<b>Heat</b>	<b>Z-score</b>	<b>MIS</b>	<b>MFS</b>
ENSP00000472293	9.21E-05	11.8844	241	0.000
ENSP00000328631	1.98E-04	11.2781	192	0.218
ENSP00000363976	1.28E-03	10.1062	671	0.739
ENSP00000410815	1.65E-04	8.4500	190	0.000
ENSP00000263408	1.47E-03	7.9368	696	0.339
ENSP00000360841	5.65E-04	7.9107	235	0.168
ENSP00000251296	1.97E-03	7.5888	325	0.118
ENSP00000232003	2.97E-04	6.9968	943	0.650
ENSP00000297904	2.13E-04	6.6122	939	0.908
ENSP00000037502	3.46E-04	6.1745	828	0.679
ENSP00000216286	4.56E-04	6.1405	323	0.483
ENSP00000215743	2.15E-04	5.8568	920	0.878
ENSP00000279396	3.79E-03	5.7100	250	0.160
ENSP00000282141	7.34E-04	5.6639	978	0.404
ENSP00000351473	8.65E-04	5.3798	380	0.434
ENSP00000226355	4.14E-04	5.0547	329	0.544
ENSP00000233997	1.52E-04	4.9718	459	0.696
ENSP00000251643	4.48E-04	4.6313	329	0.198
ENSP00000223061	4.28E-04	4.5966	328	0.554
ENSP00000314299	2.73E-04	4.5186	284	0.483
ENSP00000261336	3.24E-04	4.4961	618	0.442
ENSP00000320396	7.27E-04	4.3772	407	0.000
ENSP00000342445	7.83E-05	4.2668	152	0.197
ENSP00000259526	1.66E-04	4.2498	595	0.832
ENSP00000412457	5.38E-04	4.1939	225	0.000
ENSP00000269593	2.56E-04	4.1244	323	0.827
ENSP00000215727	1.73E-04	4.0784	558	0.589
ENSP00000232217	2.91E-04	4.0342	355	0.643
ENSP00000222390	1.09E-04	4.0224	922	0.949
ENSP00000193391	2.89E-04	4.0033	291	0.414
ENSP00000260302	1.54E-04	3.9922	964	0.960
ENSP00000302105	4.82E-04	3.9687	752	0.346
ENSP00000263100	1.54E-04	3.8824	235	0.742
ENSP00000260227	1.25E-04	3.8042	975	0.958
ENSP00000240986	3.48E-04	3.7918	757	0.000
ENSP00000330808	6.08E-04	3.7886	288	0.136
ENSP00000246006	1.89E-04	3.7603	311	0.579
ENSP00000222381	1.18E-04	3.7228	793	0.688
ENSP00000260988	4.01E-04	3.6571	563	0.302
ENSP00000408132	1.98E-04	3.6529	301	0.171
ENSP00000341442	2.64E-04	3.6397	288	0.116
ENSP00000168148	7.50E-04	3.5870	244	0.281
ENSP00000390020	2.89E-04	3.5689	265	0.572

ENSP00000301464	2.37E-04	3.5200	250	0.644
ENSP00000347933	4.55E-04	3.4350	206	0.304
ENSP00000286657	1.47E-04	3.3985	562	0.682
ENSP00000307164	2.34E-04	3.3695	198	0.175
ENSP00000304945	1.84E-04	3.2999	802	0.510
ENSP00000279441	1.31E-04	3.2940	977	0.919
ENSP00000299367	1.73E-04	3.2938	197	0.586
ENSP00000311313	2.88E-04	3.2890	151	0.306
ENSP00000274432	4.42E-04	3.2736	169	0.213
ENSP00000220809	1.47E-04	3.2711	685	0.789
ENSP00000258168	1.65E-04	3.2693	364	0.000
ENSP00000258214	6.13E-04	3.2689	150	0.118
ENSP00000262768	1.20E-04	3.2461	994	0.957
ENSP00000256951	2.36E-04	3.1702	191	0.314
ENSP00000294489	1.86E-04	3.1590	471	0.796
ENSP00000257359	3.27E-04	3.1102	265	0.349
ENSP00000278407	1.10E-04	3.1088	925	0.573
ENSP00000230990	9.01E-05	3.0964	989	0.961
ENSP00000216336	9.05E-05	3.0702	740	0.873
ENSP00000256733	2.63E-04	3.0621	217	0.457
ENSP00000282588	1.22E-04	3.0503	826	0.805
ENSP00000226524	3.21E-04	3.0213	284	0.282
ENSP00000376793	2.20E-04	2.9873	632	0.000
ENSP00000367952	2.92E-04	2.9765	159	0.084
ENSP00000256412	2.50E-04	2.9344	199	0.324
ENSP00000009180	1.12E-04	2.9071	408	0.886
ENSP00000362001	2.46E-04	2.8902	213	0.000
ENSP00000456337	1.15E-04	2.8592	213	0.000
ENSP00000004982	2.46E-04	2.8588	299	0.315
ENSP00000295633	1.96E-04	2.8504	257	0.636
ENSP00000250160	2.98E-04	2.8382	806	0.548
ENSP00000249330	2.18E-04	2.8333	159	0.408
ENSP00000222271	1.09E-04	2.8161	633	0.786
ENSP00000304234	3.26E-04	2.8078	188	0.099
ENSP00000293922	1.14E-03	2.7898	150	0.093
ENSP00000167588	2.84E-04	2.7661	196	0.107
ENSP00000225387	1.89E-04	2.7644	890	0.644
ENSP00000390431	2.89E-04	2.7497	260	0.586
ENSP00000215855	2.64E-04	2.7362	896	0.328
ENSP00000242465	2.33E-04	2.6923	916	0.447
ENSP00000225245	9.12E-05	2.6906	398	0.000
ENSP00000304408	1.40E-04	2.6753	951	0.946
ENSP00000454261	2.23E-04	2.6650	537	0.357
ENSP00000264870	1.30E-04	2.6627	969	0.641
ENSP00000267485	4.39E-04	2.6450	187	0.139
ENSP00000347665	1.25E-04	2.5902	991	0.918

ENSP00000271651	1.02E-04	2.5801	826	0.896
ENSP00000359596	1.19E-04	2.5432	360	0.230
ENSP00000287814	1.63E-04	2.5395	815	0.572
ENSP00000159060	1.13E-04	2.5248	914	0.777
ENSP00000264187	1.01E-04	2.5212	949	0.881
ENSP00000217407	2.13E-04	2.5143	330	0.695
ENSP00000310631	2.66E-04	2.4950	200	0.292
ENSP00000244336	1.34E-04	2.4781	282	0.505
ENSP00000253796	3.93E-04	2.4746	267	0.174
ENSP00000156499	1.68E-04	2.4611	566	0.151
ENSP00000280193	1.35E-04	2.4524	936	0.000
ENSP00000352458	1.37E-04	2.4483	702	0.458
ENSP00000250378	8.97E-05	2.4306	534	0.759
ENSP00000263326	2.40E-04	2.4292	357	0.739
ENSP00000261978	2.52E-04	2.4270	571	0.436
ENSP00000304987	1.89E-04	2.4231	619	0.255
ENSP00000316152	1.42E-04	2.4128	622	0.826
ENSP00000314810	1.21E-04	2.4081	359	0.883
ENSP00000218099	9.45E-05	2.4025	976	0.590
ENSP00000226218	8.76E-05	2.3950	925	0.000
ENSP00000258229	3.57E-04	2.3897	378	0.112
ENSP00000204615	9.45E-05	2.3680	581	0.942
ENSP00000224181	2.53E-04	2.3631	163	0.272
ENSP00000371811	4.19E-04	2.3595	157	0.165
ENSP00000246949	9.17E-05	2.3427	216	0.842
ENSP00000234347	7.65E-05	2.3362	472	0.783
ENSP00000252229	1.44E-03	2.2945	165	0.140
ENSP00000228438	9.75E-05	2.2919	198	0.458
ENSP00000236850	6.94E-05	2.2687	991	0.874
ENSP00000260653	8.68E-05	2.2648	398	0.847
ENSP00000250092	7.92E-05	2.2639	670	0.950
ENSP00000264952	3.04E-04	2.2390	971	0.438
ENSP00000280190	2.35E-04	2.2293	176	0.122
ENSP00000408146	2.13E-04	2.2254	280	0.542
ENSP00000221891	1.13E-04	2.1981	472	0.606
ENSP00000314116	2.52E-04	2.1965	169	0.135
ENSP00000286614	9.99E-05	2.1608	862	0.840
ENSP00000242994	1.61E-04	2.1582	414	0.781
ENSP00000277480	9.96E-05	2.1251	985	0.914
ENSP00000230381	1.67E-04	2.1243	749	0.489
ENSP00000259396	1.74E-04	2.1178	202	0.486
ENSP00000261921	1.55E-04	2.1148	270	0.540
ENSP00000339260	1.16E-04	2.0863	457	0.230
ENSP00000299855	8.79E-05	2.0806	999	0.976
ENSP00000221804	2.97E-04	2.0769	150	0.181
ENSP00000382434	2.51E-04	2.0645	154	0.102

ENSP00000295550	1.08E-04	2.0539	420	0.685
ENSP00000344115	1.65E-04	2.0426	810	0.956
ENSP00000223357	2.05E-04	2.0394	414	0.213
ENSP00000230588	1.90E-04	2.0321	584	0.157
ENSP00000357068	9.50E-05	2.0227	284	0.356
ENSP00000225844	1.68E-04	2.0196	261	0.634
ENSP00000324532	1.38E-04	2.0124	721	0.713
ENSP00000264790	7.08E-05	2.0101	959	0.479
ENSP00000242338	1.01E-04	2.0081	265	0.758
ENSP00000252085	2.18E-04	2.0064	420	0.128
ENSP00000341640	1.17E-04	1.9964	930	0.470
ENSP00000229771	1.18E-04	1.9933	645	0.553
ENSP00000222543	1.56E-04	1.9929	866	0.704
ENSP00000332371	1.05E-04	1.9659	828	0.653
ENSP00000313967	1.53E-04	1.9657	579	0.533
ENSP00000252034	3.58E-04	1.9641	576	0.222
ENSP00000415481	1.38E-04	1.9613	700	0.953
ENSP00000387261	2.54E-04	1.9205	328	0.249
ENSP00000323455	1.78E-04	1.9192	167	0.499
ENSP00000223271	2.35E-04	1.9137	209	0.418
ENSP00000311545	9.54E-05	1.9068	225	0.000
ENSP00000341815	9.20E-05	1.8858	158	0.821
ENSP00000228463	8.34E-05	1.8856	345	0.664
ENSP00000317997	7.89E-05	1.8819	358	0.755
ENSP00000231454	7.83E-05	1.8764	564	0.907
ENSP00000215637	9.29E-05	1.8723	319	0.787
ENSP00000313437	9.08E-05	1.8605	919	0.821
ENSP00000244869	7.88E-05	1.8489	300	0.922
ENSP00000278175	9.46E-05	1.8477	866	0.852
ENSP00000341032	9.57E-05	1.8466	656	0.931
ENSP00000345008	2.18E-04	1.8184	904	0.692
ENSP00000221742	7.17E-05	1.8158	563	0.116
ENSP00000332809	2.32E-04	1.8107	459	0.475
ENSP00000255040	1.71E-04	1.8086	602	0.488
ENSP00000255409	9.07E-05	1.8045	890	0.707
ENSP00000248598	2.04E-04	1.8021	771	0.298
ENSP00000291744	1.39E-04	1.7992	439	0.267
ENSP00000263413	2.17E-04	1.7989	222	0.219
ENSP00000277508	1.04E-04	1.7876	240	0.752
ENSP00000222002	7.61E-05	1.7851	277	0.518
ENSP00000377549	1.37E-04	1.7839	557	0.405
ENSP00000334848	3.16E-04	1.7768	197	0.156
ENSP00000264595	9.81E-05	1.7717	267	0.268
ENSP00000343577	1.21E-04	1.7670	166	0.144
ENSP00000268704	6.45E-05	1.7670	456	0.702
ENSP00000221973	1.54E-04	1.7616	688	0.297

ENSP00000257626	1.84E-04	1.7587	150	0.084
ENSP00000259206	7.13E-05	1.7507	252	0.804
ENSP00000426070	8.25E-05	1.7497	225	0.401
ENSP00000011292	1.10E-04	1.7347	264	0.226
ENSP00000265627	1.63E-04	1.7316	495	0.280
ENSP00000215939	1.92E-04	1.7201	774	0.393
ENSP00000291670	1.07E-04	1.7151	265	0.226
ENSP00000278927	9.27E-05	1.7128	812	0.933
ENSP00000298966	2.51E-04	1.7111	406	0.115
ENSP00000300182	1.63E-04	1.6926	416	0.165
ENSP00000271331	9.09E-05	1.6921	822	0.569
ENSP00000259633	1.06E-04	1.6903	196	0.637
ENSP00000248076	1.07E-04	1.6881	242	0.493
ENSP00000357156	1.35E-04	1.6834	562	0.362
ENSP00000228938	5.52E-05	1.6822	562	0.871
ENSP00000296280	1.18E-04	1.6759	192	0.355
ENSP00000238667	1.56E-04	1.6725	150	0.212
ENSP00000305714	9.12E-05	1.6677	358	0.917
ENSP00000296029	9.68E-05	1.6513	974	0.884
ENSP00000261304	9.98E-05	1.6498	472	0.575
ENSP00000331544	1.86E-04	1.6355	914	0.693
ENSP00000321455	2.01E-04	1.6341	157	0.164
ENSP00000280527	1.06E-04	1.6298	368	0.244
ENSP00000265012	9.57E-05	1.6266	728	0.198
ENSP00000267803	7.46E-05	1.6242	235	0.495
ENSP00000410926	1.51E-04	1.6098	216	0.116
ENSP00000242208	7.38E-05	1.6082	325	0.932
ENSP00000355180	1.64E-04	1.6027	504	0.815
ENSP00000327075	1.56E-04	1.5930	191	0.082
ENSP00000296130	8.74E-05	1.5930	325	0.779
ENSP00000296420	1.53E-04	1.5926	242	0.386
ENSP00000271348	6.55E-05	1.5870	309	0.000
ENSP00000260049	1.27E-04	1.5793	856	0.653
ENSP00000219334	1.48E-04	1.5707	560	0.121
ENSP00000270631	1.43E-04	1.5619	159	0.455
ENSP00000345633	9.21E-05	1.5617	297	0.930
ENSP00000311165	9.61E-05	1.5568	297	0.403
ENSP00000380897	6.33E-04	1.5498	268	0.279
ENSP00000361366	1.24E-04	1.5478	404	0.607
ENSP00000364697	7.58E-05	1.5418	298	0.453
ENSP00000455469	9.02E-05	1.5382	170	0.252
ENSP00000357726	1.44E-04	1.5364	325	0.422
ENSP00000360269	1.03E-04	1.5324	240	0.297
ENSP00000225371	7.15E-05	1.5309	360	0.629
ENSP00000216139	5.10E-05	1.5294	191	0.245
ENSP00000256178	8.18E-05	1.5187	361	0.570

ENSP00000226413	5.80E-05	1.5168	659	0.800
ENSP00000257979	6.43E-05	1.5135	943	0.231
ENSP00000216361	1.69E-04	1.5128	359	0.238
ENSP00000273430	6.78E-05	1.5103	537	0.872
ENSP00000377783	1.04E-04	1.5059	971	0.665
ENSP00000353427	5.79E-04	1.5003	265	0.879
ENSP00000269202	1.31E-04	1.4962	577	0.124
ENSP00000278833	7.50E-05	1.4939	700	0.567
ENSP00000254868	6.95E-05	1.4897	202	0.456
ENSP00000309953	1.79E-04	1.4793	902	0.325
ENSP00000006053	4.90E-05	1.4792	854	0.720
ENSP00000345179	1.48E-04	1.4758	702	0.643
ENSP00000305464	6.62E-05	1.4733	242	0.000
ENSP00000256785	3.64E-04	1.4678	266	0.202
ENSP00000328173	9.01E-05	1.4637	392	0.572
ENSP00000366314	6.30E-04	1.4564	0	0.185
ENSP00000222481	9.29E-05	1.4474	248	0.063
ENSP00000245983	8.62E-05	1.4424	216	0.536
ENSP00000366307	7.00E-05	1.4416	400	0.585
ENSP00000296422	8.09E-05	1.4409	191	0.116
ENSP00000231009	7.61E-05	1.4378	198	0.266
ENSP00000330218	7.28E-05	1.4344	297	0.865
ENSP00000310335	1.80E-04	1.4344	214	0.262
ENSP00000360549	8.42E-05	1.4330	272	0.143
ENSP00000373948	7.29E-05	1.4292	323	0.000
ENSP00000359013	1.22E-04	1.4239	159	0.603
ENSP00000368402	1.38E-04	1.4184	179	0.086
ENSP00000221347	1.90E-04	1.4123	159	0.000
ENSP00000200676	9.47E-05	1.4119	752	0.470
ENSP00000245457	1.04E-04	1.4049	208	0.705
ENSP00000357103	1.10E-04	1.4044	353	0.000
ENSP00000337224	1.00E-04	1.4040	700	0.483
ENSP00000256119	4.87E-05	1.4035	284	0.000
ENSP00000221980	1.59E-04	1.3991	265	0.581
ENSP00000327048	1.47E-04	1.3931	824	0.887
ENSP00000221496	5.44E-05	1.3913	265	0.920
ENSP00000293280	8.09E-05	1.3866	359	0.000
ENSP00000261751	1.33E-04	1.3844	473	0.334
ENSP00000319308	5.48E-05	1.3794	238	0.745
ENSP00000296097	6.80E-05	1.3756	776	0.200
ENSP00000351059	9.07E-05	1.3752	440	0.722
ENSP00000264741	7.47E-05	1.3734	923	0.605
ENSP00000227756	1.13E-04	1.3731	202	0.090
ENSP00000226279	5.00E-05	1.3694	360	0.854
ENSP00000349805	1.56E-04	1.3642	206	0.118
ENSP00000447173	5.04E-04	1.3636	471	0.897

ENSP00000310111	1.07E-04	1.3585	472	0.141
ENSP00000257267	1.78E-04	1.3575	206	0.000
ENSP00000253673	8.88E-05	1.3558	151	0.000
ENSP00000270879	1.85E-04	1.3557	510	0.144
ENSP00000251102	9.12E-05	1.3552	499	0.465
ENSP00000296953	2.30E-04	1.3446	183	0.168
ENSP00000221992	9.69E-05	1.3445	281	0.198
ENSP00000346294	1.40E-04	1.3445	437	0.868
ENSP00000439985	6.89E-05	1.3439	191	0.144
ENSP00000253255	1.09E-04	1.3361	313	0.181
ENSP00000299440	1.09E-04	1.3310	356	0.884
ENSP00000353094	1.28E-04	1.3304	461	0.696
ENSP00000290271	6.72E-05	1.3289	330	0.684
ENSP00000286688	1.35E-04	1.3272	252	0.307
ENSP00000265498	1.19E-04	1.3271	200	0.195
ENSP00000323929	1.35E-04	1.3269	930	0.826
ENSP00000281081	7.66E-05	1.3219	451	0.242
ENSP00000274979	1.58E-04	1.3198	247	0.073
ENSP00000414321	1.79E-04	1.3184	181	0.833
ENSP00000456609	1.82E-04	1.3116	286	0.230
ENSP00000222304	1.31E-04	1.3102	340	0.640
ENSP00000416330	1.51E-04	1.3083	872	0.800
ENSP00000219299	3.02E-04	1.3046	198	0.119
ENSP00000265769	7.82E-05	1.3042	328	0.222
ENSP00000334962	8.98E-05	1.3041	589	0.323
ENSP00000330959	1.41E-04	1.3040	213	0.564
ENSP00000356771	1.17E-04	1.3012	980	0.789
ENSP00000356037	8.69E-05	1.2957	325	0.416
ENSP00000258704	2.73E-04	1.2935	159	0.139
ENSP00000272847	9.63E-05	1.2922	422	0.480
ENSP00000369320	1.14E-04	1.2890	461	0.419
ENSP00000359699	1.35E-04	1.2864	533	0.379
ENSP00000296140	7.16E-05	1.2791	499	0.813
ENSP00000296145	7.69E-05	1.2779	895	0.877
ENSP00000255030	1.48E-04	1.2689	593	0.354
ENSP00000349709	7.61E-05	1.2674	349	0.272
ENSP00000370473	6.08E-04	1.2616	890	0.959
ENSP00000259883	1.41E-04	1.2604	169	0.139
ENSP00000387356	9.96E-05	1.2575	996	0.894
ENSP00000260229	1.50E-04	1.2536	548	0.544
ENSP00000386881	2.11E-04	1.2522	165	0.279
ENSP00000264828	7.48E-05	1.2511	905	0.750
ENSP00000239849	6.66E-05	1.2460	501	0.941
ENSP00000264563	9.77E-05	1.2445	360	0.891
ENSP00000220772	6.99E-05	1.2441	301	0.965
ENSP00000340864	1.59E-04	1.2405	214	0.090

ENSP00000226317	8.15E-05	1.2372	731	0.626
ENSP00000360899	1.26E-04	1.2372	325	0.197
ENSP00000297435	9.75E-05	1.2355	221	0.126
ENSP00000274625	6.53E-05	1.2329	257	0.931
ENSP00000223293	2.39E-04	1.2316	311	0.117
ENSP00000215781	1.12E-04	1.2266	890	0.860
ENSP00000361400	9.18E-05	1.2251	198	0.499
ENSP00000326948	6.55E-05	1.2231	274	0.773
ENSP00000237837	5.94E-05	1.2172	558	0.920
ENSP00000263851	5.86E-05	1.2171	485	0.886
ENSP00000363988	1.15E-04	1.2115	295	0.364
ENSP00000343445	7.14E-05	1.2069	196	0.614
ENSP00000158166	5.56E-05	1.2012	203	0.653
ENSP00000247866	9.23E-05	1.1959	288	0.185
ENSP00000436450	2.60E-05	1.1928	215	0.158
ENSP00000252519	1.11E-04	1.1927	570	0.563
ENSP00000218867	4.49E-05	1.1921	301	0.633
ENSP00000297350	9.31E-05	1.1905	708	0.956
ENSP00000362776	7.73E-05	1.1884	909	0.439
ENSP00000357798	1.21E-04	1.1827	632	0.321
ENSP00000319486	8.94E-05	1.1820	252	0.129
ENSP00000353582	8.24E-05	1.1809	216	0.787
ENSP00000346227	3.23E-04	1.1764	309	0.373
ENSP00000357461	9.30E-05	1.1732	473	0.393
ENSP00000246532	1.36E-04	1.1729	150	0.151
ENSP00000290438	1.19E-04	1.1666	252	0.152
ENSP00000257254	6.21E-05	1.1657	198	0.764
ENSP00000273590	1.22E-04	1.1649	513	0.212
ENSP00000408288	6.99E-05	1.1604	191	0.109
ENSP00000303149	9.24E-05	1.1595	150	0.275
ENSP00000267102	2.54E-04	1.1591	311	0.351
ENSP00000314910	1.90E-04	1.1585	510	0.878
ENSP00000243167	5.50E-05	1.1547	814	0.257
ENSP00000367104	2.26E-04	1.1545	829	0.305
ENSP00000216106	1.95E-04	1.1496	208	0.501
ENSP00000300762	9.31E-05	1.1447	726	0.601
ENSP00000382034	1.80E-04	1.1428	301	0.724
ENSP00000369071	1.13E-04	1.1359	517	0.919
ENSP00000256104	6.20E-05	1.1349	456	0.761
ENSP00000204604	5.49E-05	1.1318	552	0.902
ENSP00000388548	6.60E-05	1.1315	471	0.780
ENSP00000362381	8.98E-05	1.1314	167	0.120
ENSP00000338343	8.74E-05	1.1292	806	0.307
ENSP00000275216	9.72E-05	1.1240	404	0.499
ENSP00000199936	1.01E-04	1.1086	163	0.188
ENSP00000326159	6.52E-05	1.1082	700	0.770



ENSP00000276410	1.01E-04	1.1026	605	0.241
ENSP00000211122	9.28E-05	1.0992	341	0.180
ENSP00000274721	1.28E-04	1.0989	313	0.151
ENSP00000350734	2.01E-04	1.0982	177	0.089
ENSP00000254661	1.81E-04	1.0972	254	0.315
ENSP00000364407	1.43E-04	1.0939	191	0.163
ENSP00000225474	4.86E-05	1.0913	471	0.932
ENSP00000219244	8.16E-05	1.0878	675	0.687
ENSP00000309148	1.10E-04	1.0868	514	0.437
ENSP00000345395	1.14E-04	1.0847	736	0.284
ENSP00000294800	1.04E-04	1.0839	300	0.431
ENSP00000231121	5.39E-05	1.0825	295	0.868
ENSP00000355370	6.57E-05	1.0796	930	0.922
ENSP00000291700	6.31E-05	1.0763	981	0.877
ENSP00000355751	1.06E-04	1.0731	958	0.916
ENSP00000248444	4.33E-05	1.0715	341	0.772
ENSP00000294671	2.13E-04	1.0669	403	0.197
ENSP00000356016	1.27E-04	1.0664	636	0.870
ENSP00000348308	1.16E-04	1.0597	596	0.414
ENSP00000337816	6.69E-05	1.0594	802	0.689
ENSP00000296575	6.77E-05	1.0565	216	0.774
ENSP00000200691	3.01E-04	1.0547	192	0.091
ENSP00000341838	6.35E-05	1.0505	902	0.487
ENSP00000324553	1.09E-04	1.0459	167	0.179
ENSP00000356791	2.03E-04	1.0371	436	0.497
ENSP00000226193	4.31E-05	1.0348	997	0.550
ENSP00000360687	1.26E-04	1.0226	493	0.694
ENSP00000364814	1.17E-04	1.0225	203	0.225
ENSP00000304930	8.42E-05	1.0206	402	0.736
ENSP00000220616	6.33E-05	1.0203	872	0.852
ENSP00000398890	2.74E-04	1.0189	228	0.560
ENSP00000265132	5.85E-05	1.0183	685	0.701
ENSP00000252491	1.25E-04	1.0173	731	0.000
ENSP00000359691	1.11E-04	1.0093	317	0.419
ENSP00000273183	1.80E-04	1.0089	177	0.241
ENSP00000277903	7.55E-05	1.0088	751	0.315
ENSP00000259607	5.20E-05	1.0033	456	0.862
ENSP00000257248	5.83E-05	1.0013	398	0.385
ENSP00000260128	8.45E-05	1.0012	212	0.565
ENSP00000430690	1.32E-04	0.9967	261	0.706
ENSP00000307259	5.50E-05	0.9946	658	0.663
ENSP00000359245	9.51E-05	0.9923	706	0.564
ENSP00000259711	6.58E-05	0.9921	159	0.200
ENSP00000360272	2.71E-05	0.9912	0	0.000
ENSP00000254122	5.95E-05	0.9906	313	0.837
ENSP00000261454	9.58E-05	0.9889	280	0.848

ENSP00000284885	1.01E-04	0.9885	297	0.164
ENSP00000289672	9.96E-05	0.9819	161	0.098
ENSP00000296027	5.51E-05	0.9753	879	0.651
ENSP00000296028	7.99E-05	0.9744	964	0.712
ENSP00000019103	4.58E-05	0.9735	634	0.603
ENSP00000243222	1.13E-04	0.9735	303	0.672
ENSP00000344012	6.52E-05	0.9716	345	0.000
ENSP00000221459	7.86E-05	0.9702	210	0.138
ENSP00000211076	9.36E-05	0.9638	264	0.183
ENSP00000311746	9.87E-05	0.9584	418	0.225
ENSP00000027335	4.30E-05	0.9583	585	0.961
ENSP00000261994	8.13E-05	0.9562	204	0.302
ENSP00000378577	6.92E-05	0.9526	152	0.190
ENSP00000309463	7.99E-05	0.9485	179	0.119
ENSP00000282701	4.57E-05	0.9484	404	0.910
ENSP00000299022	6.64E-05	0.9484	960	0.407
ENSP00000399709	8.57E-05	0.9480	523	0.526
ENSP00000355627	9.90E-05	0.9378	861	0.873
ENSP00000257632	1.09E-04	0.9373	150	0.188
ENSP00000263369	9.48E-05	0.9372	602	0.000
ENSP00000411004	7.19E-05	0.9360	345	0.103
ENSP00000301455	8.14E-05	0.9338	357	0.814
ENSP00000351905	1.47E-04	0.9325	940	0.949
ENSP00000219454	7.12E-05	0.9215	195	0.742
ENSP00000283249	8.96E-05	0.9210	963	0.823
ENSP00000378130	5.74E-05	0.9194	313	0.286
ENSP00000472280	1.17E-04	0.9184	159	0.000
ENSP00000413479	1.63E-04	0.9180	203	0.000
ENSP00000216540	6.07E-05	0.9170	192	0.324
ENSP00000364114	1.20E-04	0.9166	900	0.579
ENSP00000308117	1.34E-04	0.9121	626	0.179
ENSP00000299320	2.38E-04	0.9058	479	0.307
ENSP00000261918	6.59E-05	0.9028	311	0.573
ENSP00000219235	8.47E-05	0.9028	619	0.726
ENSP00000362643	1.55E-04	0.9028	295	0.325
ENSP00000356671	1.19E-04	0.9014	953	0.763
ENSP00000299213	8.88E-05	0.8941	301	0.469
ENSP00000348068	1.39E-04	0.8938	944	0.863
ENSP00000300127	5.46E-05	0.8938	171	0.000
ENSP00000406381	1.00E-04	0.8919	514	0.000
ENSP00000329374	8.50E-05	0.8907	285	0.425
ENSP00000273145	7.52E-05	0.8899	284	0.000
ENSP00000386341	7.81E-05	0.8879	191	0.000
ENSP00000331736	6.68E-05	0.8870	813	0.907
ENSP00000258400	4.70E-05	0.8867	216	0.612
ENSP00000261037	2.18E-04	0.8839	329	0.361

ENSP00000252854	7.35E-05	0.8837	150	0.105
ENSP00000319730	4.68E-05	0.8789	392	0.224
ENSP00000347213	5.32E-05	0.8788	407	0.320
ENSP00000190983	1.71E-04	0.8733	356	0.429
ENSP00000216341	4.42E-05	0.8732	642	0.902
ENSP00000359019	9.30E-05	0.8729	586	0.000
ENSP00000336661	2.20E-04	0.8723	179	0.105
ENSP00000320089	7.25E-05	0.8696	286	0.857
ENSP00000372654	6.56E-05	0.8682	418	0.433
ENSP00000247161	2.23E-04	0.8628	900	0.727
ENSP00000278060	8.17E-05	0.8614	203	0.151
ENSP00000298569	2.88E-04	0.8605	159	0.179
ENSP00000319179	8.71E-05	0.8600	179	0.000
ENSP00000312946	9.27E-05	0.8589	915	0.323
ENSP00000295108	4.68E-05	0.8564	872	0.872
ENSP00000287590	1.01E-04	0.8564	913	0.151
ENSP00000262018	5.17E-05	0.8560	226	0.419
ENSP00000339067	1.32E-04	0.8540	150	0.158
ENSP00000350387	6.93E-05	0.8535	163	0.221
ENSP00000292513	4.50E-05	0.8522	209	0.654
ENSP00000362684	8.73E-05	0.8518	171	0.161
ENSP00000316737	8.21E-05	0.8515	159	0.165
ENSP00000358106	7.21E-05	0.8502	788	0.350
ENSP00000246186	6.47E-05	0.8500	850	0.768
ENSP00000444736	1.84E-07	0.8497	0	0.203
ENSP00000441624	1.84E-07	0.8497	0	0.203
ENSP00000362029	1.54E-04	0.8478	261	0.184
ENSP00000380352	1.95E-04	0.8470	302	0.275
ENSP00000331741	5.28E-05	0.8453	418	0.836
ENSP00000250144	8.09E-05	0.8444	726	0.000
ENSP00000228534	6.61E-05	0.8406	845	0.718
ENSP00000293272	6.24E-05	0.8374	540	0.000
ENSP00000394624	5.17E-04	0.8350	201	0.710
ENSP00000254488	7.19E-05	0.8338	457	0.233
ENSP00000381273	8.72E-05	0.8335	980	0.338
ENSP00000334657	7.90E-05	0.8278	162	0.097
ENSP00000225512	3.88E-05	0.8277	648	0.926
ENSP00000289166	1.08E-04	0.8267	228	0.115
ENSP00000345785	9.14E-05	0.8256	290	0.843
ENSP00000157600	1.74E-04	0.8199	174	0.098
ENSP00000274024	6.07E-05	0.8198	390	0.560
ENSP00000397297	5.24E-05	0.8120	242	0.886
ENSP00000344413	1.22E-04	0.8096	157	0.507
ENSP00000258034	6.91E-05	0.8095	216	0.329
ENSP00000342868	6.75E-05	0.8092	183	0.000
ENSP00000267291	9.52E-05	0.8064	242	0.658

ENSP00000295256	5.19E-05	0.8053	252	0.461
ENSP00000384957	6.88E-05	0.8015	636	0.488
ENSP00000264162	4.04E-05	0.7972	668	0.586
ENSP00000349790	7.09E-05	0.7960	909	0.630
ENSP00000268605	3.94E-05	0.7943	252	0.701
ENSP00000346805	6.80E-05	0.7913	763	0.283
ENSP00000289473	8.57E-05	0.7902	601	0.918
ENSP00000227251	1.35E-04	0.7891	701	0.750
ENSP00000434034	1.04E-04	0.7867	875	0.933
ENSP00000357470	5.51E-05	0.7837	354	0.899
ENSP00000242152	3.61E-05	0.7823	416	0.857
ENSP00000323584	1.04E-04	0.7817	382	0.417
ENSP00000287196	1.83E-04	0.7799	351	0.119
ENSP00000249005	1.00E-04	0.7798	205	0.069
ENSP00000338010	5.94E-05	0.7792	197	0.662
ENSP00000387230	1.22E-04	0.7757	576	0.000
ENSP00000353767	7.02E-05	0.7752	802	0.697
ENSP00000273283	6.35E-05	0.7747	490	0.405
ENSP00000356382	8.33E-05	0.7742	971	0.377
ENSP00000454071	9.67E-05	0.7708	997	0.929
ENSP00000343339	7.20E-05	0.7708	227	0.530
ENSP00000303550	9.59E-05	0.7699	195	0.106
ENSP00000382867	4.66E-05	0.7681	165	0.181
ENSP00000239316	1.01E-04	0.7671	216	0.171
ENSP00000262418	6.66E-05	0.7670	748	0.319
ENSP00000274063	8.18E-05	0.7658	286	0.953
ENSP00000252891	5.03E-05	0.7655	317	0.826
ENSP00000307875	6.59E-05	0.7646	349	0.707
ENSP00000308165	6.88E-05	0.7632	729	0.944
ENSP00000393566	9.99E-05	0.7614	0	0.843
ENSP00000257981	6.79E-05	0.7612	170	0.080
ENSP00000360997	9.24E-05	0.7605	996	0.623
ENSP00000298841	5.45E-05	0.7601	265	0.704
ENSP00000286428	5.42E-05	0.7598	246	0.309
ENSP00000359998	6.10E-05	0.7573	352	0.215
ENSP00000328181	5.83E-05	0.7567	888	0.931
ENSP00000234701	5.90E-05	0.7508	171	0.402
ENSP00000293502	9.13E-05	0.7485	765	0.293
ENSP00000262430	6.00E-05	0.7468	234	0.496
ENSP00000355140	5.00E-05	0.7443	536	0.857
ENSP00000426964	5.15E-05	0.7442	288	0.000
ENSP00000358470	1.02E-04	0.7427	198	0.426
ENSP00000233826	6.31E-05	0.7419	265	0.175
ENSP00000263621	5.04E-05	0.7414	933	0.873
ENSP00000296238	1.03E-04	0.7404	800	0.101
ENSP00000263062	6.63E-05	0.7402	295	0.894

ENSP00000331210	1.36E-04	0.7395	302	0.339
ENSP00000218316	4.15E-05	0.7386	407	0.619
ENSP00000375147	8.34E-05	0.7381	212	0.142
ENSP00000304767	5.11E-05	0.7296	507	0.632
ENSP00000335076	8.57E-05	0.7289	197	0.790
ENSP00000357206	1.23E-04	0.7266	382	0.948
ENSP00000341762	1.03E-04	0.7260	396	0.155
ENSP00000263816	8.75E-05	0.7258	993	0.771
ENSP00000241808	6.60E-05	0.7251	581	0.306
ENSP00000333519	8.41E-05	0.7245	165	0.126
ENSP00000272462	8.59E-05	0.7241	167	0.145
ENSP00000369274	6.88E-05	0.7235	163	0.261
ENSP00000356399	8.60E-05	0.7208	414	0.798
ENSP00000334187	7.77E-05	0.7191	158	0.149
ENSP00000246891	5.65E-05	0.7183	358	0.279
ENSP00000160262	8.31E-05	0.7163	563	0.779
ENSP00000240364	1.33E-04	0.7161	161	0.185
ENSP00000359234	8.61E-05	0.7114	150	0.132
ENSP00000393887	9.79E-05	0.7114	361	0.607
ENSP00000264664	5.84E-05	0.7100	324	0.934
ENSP00000175238	5.54E-05	0.7093	242	0.179
ENSP00000258530	6.04E-05	0.7093	186	0.226
ENSP00000281030	1.24E-04	0.7085	202	0.508
ENSP00000287020	5.06E-05	0.7071	206	0.895
ENSP00000264382	4.90E-05	0.7056	471	0.303
ENSP00000354826	1.15E-04	0.7045	473	0.490
ENSP00000231656	3.48E-05	0.7042	189	0.889
ENSP00000265983	1.55E-04	0.7042	811	0.790
ENSP00000353099	6.77E-05	0.7036	916	0.559
ENSP00000384169	1.16E-04	0.7035	910	0.521
ENSP00000221204	1.94E-04	0.6992	744	0.000
ENSP00000351602	6.33E-05	0.6982	472	0.898
ENSP00000373854	6.19E-05	0.6957	970	0.546
ENSP00000199764	5.07E-05	0.6946	181	0.544
ENSP00000291560	7.86E-05	0.6927	232	0.129
ENSP00000292169	6.12E-05	0.6916	664	0.404
ENSP00000241124	3.86E-05	0.6907	177	0.455
ENSP00000222747	7.72E-05	0.6905	204	0.163
ENSP00000221421	9.44E-05	0.6900	224	0.765
ENSP00000225992	3.63E-05	0.6867	208	0.728
ENSP00000334458	6.24E-05	0.6831	555	0.000
ENSP00000269142	6.80E-05	0.6826	191	0.773
ENSP00000365081	1.22E-04	0.6813	514	0.399
ENSP00000334456	5.76E-05	0.6813	181	0.000
ENSP00000293549	5.25E-05	0.6803	696	0.929
ENSP00000339730	7.33E-05	0.6802	410	0.707

ENSP00000346627	1.16E-04	0.6788	215	0.179
ENSP00000351395	6.60E-05	0.6780	242	0.653
ENSP00000257863	6.08E-05	0.6774	190	0.830
ENSP00000469538	2.28E-06	0.6763	0	0.000
ENSP00000233840	6.48E-05	0.6740	302	0.127
ENSP00000288988	6.35E-05	0.6718	387	0.081
ENSP00000355896	7.72E-05	0.6715	937	0.954
ENSP00000291582	4.69E-05	0.6714	667	0.761
ENSP00000243786	4.17E-05	0.6708	204	0.885
ENSP00000296589	5.76E-05	0.6667	201	0.574
ENSP00000265310	4.69E-05	0.6660	174	0.319
ENSP00000225428	5.81E-05	0.6657	382	0.000
ENSP00000231188	3.39E-05	0.6650	591	0.609
ENSP00000364979	1.18E-04	0.6640	735	0.941
ENSP00000302251	4.53E-05	0.6619	239	0.864
ENSP00000456711	6.96E-05	0.6605	859	0.000
ENSP00000394316	2.40E-04	0.6584	157	0.337
ENSP00000305005	1.49E-04	0.6554	151	0.145
ENSP00000228434	3.25E-05	0.6535	406	0.899
ENSP00000417451	6.94E-05	0.6533	157	0.494
ENSP00000350833	6.40E-05	0.6512	223	0.150
ENSP00000417677	1.33E-04	0.6509	302	0.335
ENSP00000337065	7.52E-05	0.6429	300	0.753
ENSP00000254323	2.20E-04	0.6423	224	0.147
ENSP00000286955	6.62E-05	0.6422	345	0.081
ENSP00000295683	5.26E-05	0.6415	252	0.662
ENSP00000370074	9.82E-05	0.6392	223	0.599
ENSP00000305906	5.95E-05	0.6386	158	0.769
ENSP00000252482	5.12E-05	0.6374	472	0.269
ENSP00000249440	4.99E-05	0.6358	258	0.848
ENSP00000279028	2.34E-04	0.6335	194	0.105
ENSP00000216029	1.51E-04	0.6329	598	0.433
ENSP00000274520	7.61E-05	0.6320	205	0.749
ENSP00000246080	4.93E-05	0.6293	503	0.797
ENSP00000347178	6.29E-05	0.6290	531	0.000
ENSP00000369889	6.95E-05	0.6272	846	0.946
ENSP00000342850	5.68E-05	0.6246	242	0.492
ENSP00000340983	5.44E-05	0.6213	459	0.320
ENSP00000354294	5.86E-05	0.6203	288	0.208
ENSP00000360882	1.11E-04	0.6195	858	0.878
ENSP00000366246	5.71E-05	0.6185	900	0.572
ENSP00000369018	9.17E-05	0.6184	220	0.000
ENSP00000425493	1.18E-04	0.6171	561	0.724
ENSP00000209668	3.50E-05	0.6141	434	0.295
ENSP00000452347	2.86E-05	0.6137	396	0.000
ENSP00000246895	3.67E-05	0.6119	349	0.359

ENSP00000265441	3.88E-05	0.6087	618	0.944
ENSP00000263208	5.91E-05	0.6078	257	0.918
ENSP00000363812	5.95E-05	0.6077	238	0.792
ENSP00000419945	1.34E-04	0.6069	394	0.900
ENSP00000326022	6.49E-05	0.6048	270	0.609
ENSP00000416561	1.31E-04	0.6040	337	0.773
ENSP00000363689	5.61E-05	0.6016	806	0.779
ENSP00000387100	1.02E-04	0.6014	167	0.093
ENSP00000435550	7.00E-05	0.6012	227	0.164
ENSP00000252505	3.72E-05	0.5984	357	0.536
ENSP00000421725	9.25E-05	0.5979	355	0.610
ENSP00000312099	8.92E-05	0.5979	712	0.297
ENSP00000315013	4.55E-05	0.5969	199	0.457
ENSP00000432163	9.11E-05	0.5955	171	0.173
ENSP00000306754	6.00E-05	0.5950	165	0.791
ENSP00000320217	6.18E-05	0.5940	155	0.077
ENSP00000260843	9.10E-05	0.5939	230	0.181
ENSP00000250156	5.36E-05	0.5915	158	0.000
ENSP00000278282	7.17E-05	0.5912	865	0.760
ENSP00000463376	6.58E-05	0.5878	175	0.000
ENSP00000285018	9.86E-05	0.5866	695	0.934
ENSP00000247933	7.01E-05	0.5858	208	0.134
ENSP00000455951	2.00E-04	0.5851	0	0.124
ENSP00000437133	2.59E-05	0.5805	338	0.000
ENSP00000261892	1.07E-04	0.5803	396	0.297
ENSP00000300179	8.26E-05	0.5798	167	0.157
ENSP00000431814	2.60E-05	0.5781	338	0.000
ENSP00000432029	2.60E-05	0.5781	338	0.000
ENSP00000430853	2.60E-05	0.5781	338	0.000
ENSP00000433597	2.60E-05	0.5781	338	0.000
ENSP00000316328	5.17E-05	0.5780	911	0.804
ENSP00000435325	2.59E-05	0.5772	338	0.000
ENSP00000377409	9.75E-05	0.5759	216	0.767
ENSP00000364076	1.01E-04	0.5752	0	0.780
ENSP00000359114	6.66E-05	0.5745	922	0.733
ENSP00000225831	6.25E-05	0.5743	961	0.959
ENSP00000290953	5.06E-05	0.5739	206	0.739
ENSP00000368767	8.70E-05	0.5735	159	0.316
ENSP00000310036	6.97E-05	0.5735	659	0.940
ENSP00000365394	3.82E-05	0.5693	165	0.000
ENSP00000260228	8.25E-05	0.5685	670	0.532
ENSP00000309681	8.43E-05	0.5679	167	0.141
ENSP00000263339	6.11E-05	0.5635	898	0.943
ENSP00000341905	8.22E-05	0.5616	191	0.236
ENSP00000270328	9.40E-05	0.5611	214	0.194
ENSP00000292596	1.21E-04	0.5607	167	0.400

ENSP00000206423	6.71E-05	0.5602	165	0.074
ENSP00000356063	7.89E-05	0.5601	815	0.449
ENSP00000237527	3.17E-05	0.5591	268	0.732
ENSP00000265417	7.90E-05	0.5533	162	0.000
ENSP00000223167	2.97E-05	0.5529	173	0.403
ENSP00000302234	8.17E-05	0.5528	563	0.884
ENSP00000352427	5.25E-05	0.5521	649	0.563
ENSP00000258457	6.79E-05	0.5482	214	0.154
ENSP00000357757	7.43E-05	0.5459	150	0.000
ENSP00000291707	8.64E-05	0.5453	307	0.147
ENSP00000316675	9.99E-05	0.5451	198	0.196
ENSP00000269919	1.51E-04	0.5448	759	0.146
ENSP00000254605	3.29E-05	0.5434	286	0.725
ENSP00000363489	6.71E-05	0.5422	547	0.925
ENSP00000299164	7.67E-05	0.5418	265	0.211
ENSP00000285402	1.03E-04	0.5414	343	0.075
ENSP00000371420	1.19E-04	0.5396	414	0.909
ENSP00000222212	3.66E-05	0.5368	156	0.106
ENSP00000373363	1.31E-04	0.5343	211	0.117
ENSP00000013222	6.73E-05	0.5330	213	0.118
ENSP00000353475	9.88E-05	0.5327	185	0.498
ENSP00000414287	9.70E-05	0.5323	321	0.262
ENSP00000287957	9.96E-05	0.5307	250	0.338
ENSP00000376337	7.84E-05	0.5283	0	0.157
ENSP00000388320	7.97E-05	0.5283	151	0.577
ENSP00000290295	6.02E-05	0.5279	158	0.782
ENSP00000221466	5.53E-05	0.5246	197	0.208
ENSP00000299721	6.25E-05	0.5239	179	0.232
ENSP00000404439	2.64E-05	0.5205	338	0.000
ENSP00000321804	6.48E-05	0.5171	165	0.138
ENSP00000217381	4.67E-05	0.5156	290	0.487
ENSP00000312189	3.51E-05	0.5152	172	0.476
ENSP00000302548	5.35E-05	0.5148	357	0.826
ENSP00000365105	4.77E-05	0.5129	159	0.112
ENSP00000265517	5.51E-05	0.5094	658	0.576
ENSP00000259254	6.16E-05	0.5075	159	0.319
ENSP00000261615	4.33E-05	0.5041	284	0.085
ENSP00000360493	8.92E-05	0.5027	896	0.909
ENSP00000358512	7.81E-05	0.5018	167	0.149
ENSP00000375482	9.24E-05	0.5010	241	0.128
ENSP00000361508	6.32E-05	0.5008	879	0.483
ENSP00000337572	7.43E-05	0.4977	330	0.086
ENSP00000218436	4.98E-05	0.4974	194	0.459
ENSP00000354045	8.63E-05	0.4964	519	0.438
ENSP00000321797	6.32E-05	0.4963	372	0.912
ENSP00000233809	1.02E-04	0.4962	390	0.925



ENSP00000337022	5.48E-05	0.4947	900	0.273
ENSP00000342343	4.98E-05	0.4927	323	0.653
ENSP00000254090	9.90E-05	0.4921	197	0.113
ENSP00000261883	6.49E-05	0.4899	313	0.251
ENSP00000352608	8.25E-05	0.4892	227	0.735
ENSP00000357255	8.52E-05	0.4883	816	0.910
ENSP00000369699	4.37E-05	0.4877	197	0.086
ENSP00000053469	2.73E-05	0.4867	660	0.393
ENSP00000292599	6.98E-05	0.4862	295	0.821
ENSP00000407375	1.03E-04	0.4861	503	0.634
ENSP00000361895	7.89E-05	0.4860	163	0.085
ENSP00000222248	2.79E-05	0.4855	244	0.329
ENSP00000295728	5.49E-05	0.4828	685	0.165
ENSP00000258534	7.88E-05	0.4826	216	0.297
ENSP00000243911	4.10E-05	0.4805	345	0.595
ENSP00000347117	4.31E-05	0.4802	808	0.447
ENSP00000349436	7.43E-05	0.4788	428	0.640
ENSP00000300900	1.43E-04	0.4778	360	0.510
ENSP00000240328	3.31E-05	0.4745	254	0.863
ENSP00000290472	5.59E-05	0.4739	154	0.154
ENSP00000236979	6.82E-05	0.4739	150	0.324
ENSP00000228644	2.59E-05	0.4738	850	0.873
ENSP00000262101	5.50E-05	0.4721	931	0.725
ENSP00000356395	8.24E-05	0.4720	239	0.430
ENSP00000306606	3.91E-05	0.4720	382	0.457
ENSP00000255192	6.39E-05	0.4713	181	0.116
ENSP00000329654	1.05E-04	0.4696	280	0.159
ENSP00000230036	6.40E-05	0.4674	202	0.194
ENSP00000358045	1.28E-04	0.4660	923	0.515
ENSP00000354003	6.51E-05	0.4659	358	0.778
ENSP00000395359	6.78E-05	0.4643	459	0.858
ENSP00000441691	1.32E-04	0.4635	959	0.964
ENSP00000381206	7.24E-05	0.4619	206	0.145
ENSP00000364709	9.18E-05	0.4598	923	0.853
ENSP00000254466	5.26E-05	0.4583	338	0.000
ENSP00000229447	4.36E-05	0.4578	388	0.163
ENSP00000369400	4.92E-05	0.4568	357	0.402
ENSP00000236495	6.10E-05	0.4566	167	0.069
ENSP00000348912	5.95E-05	0.4559	349	0.566
ENSP00000261292	4.58E-05	0.4550	403	0.327
ENSP00000342144	4.30E-05	0.4507	218	0.210
ENSP00000288040	6.58E-05	0.4494	151	0.086
ENSP00000223368	7.52E-05	0.4493	173	0.301
ENSP00000353608	6.03E-05	0.4491	284	0.577
ENSP00000371234	2.70E-05	0.4483	362	0.376
ENSP00000361355	8.27E-05	0.4479	304	0.146

ENSP00000201586	2.74E-05	0.4477	313	0.882
ENSP00000286574	1.05E-04	0.4473	833	0.897
ENSP00000369547	5.48E-05	0.4462	159	0.147
ENSP00000351671	5.60E-05	0.4457	323	0.724
ENSP00000336571	4.58E-05	0.4450	167	0.447
ENSP00000331664	7.27E-05	0.4449	192	0.000
ENSP00000378517	7.12E-05	0.4446	902	0.966
ENSP00000313309	4.23E-05	0.4440	335	0.590
ENSP00000264260	5.60E-05	0.4406	212	0.602
ENSP00000320376	4.36E-05	0.4398	231	0.501
ENSP00000364621	9.54E-05	0.4397	159	0.178
ENSP00000314992	4.56E-05	0.4377	263	0.209
ENSP00000312029	4.45E-05	0.4377	418	0.812
ENSP00000327290	4.77E-05	0.4377	841	0.421
ENSP00000233813	1.84E-04	0.4373	652	0.920
ENSP00000281321	3.68E-05	0.4355	505	0.805
ENSP00000367064	5.78E-05	0.4345	361	0.445
ENSP00000282478	5.20E-05	0.4340	519	0.783
ENSP00000008938	5.06E-05	0.4339	169	0.385
ENSP00000275169	5.57E-05	0.4319	418	0.305
ENSP00000327943	5.14E-05	0.4317	236	0.142
ENSP00000352565	9.29E-05	0.4307	360	0.893
ENSP00000372199	7.25E-05	0.4303	222	0.642
ENSP00000228841	2.36E-05	0.4296	907	0.639
ENSP00000240093	5.00E-05	0.4286	173	0.903
ENSP00000371155	6.96E-05	0.4286	161	0.000
ENSP00000333751	6.27E-05	0.4268	0	0.095
ENSP00000363708	3.38E-05	0.4266	443	0.933
ENSP00000366673	9.52E-05	0.4247	210	0.100
ENSP00000359629	5.33E-05	0.4244	159	0.265
ENSP00000287766	4.30E-05	0.4241	280	0.281
ENSP00000357721	1.29E-04	0.4234	322	0.891
ENSP00000262629	3.38E-05	0.4230	215	0.678
ENSP00000372313	7.94E-05	0.4225	217	0.511
ENSP00000360817	8.99E-05	0.4210	406	0.743
ENSP00000448403	7.67E-05	0.4205	158	0.000
ENSP00000368066	9.55E-05	0.4200	420	0.328
ENSP00000264677	1.02E-04	0.4181	167	0.250
ENSP00000242505	3.40E-04	0.4177	157	0.124
ENSP00000219660	3.38E-05	0.4175	193	0.201
ENSP00000379434	7.01E-05	0.4174	602	0.150
ENSP00000313070	7.31E-05	0.4173	388	0.151
ENSP00000339086	6.91E-05	0.4171	787	0.578
ENSP00000220812	2.02E-04	0.4165	480	0.716
ENSP00000269299	1.06E-04	0.4164	802	0.140
ENSP00000263593	4.05E-05	0.4163	394	0.495

ENSP00000240652	3.63E-05	0.4159	360	0.673
ENSP00000264381	3.83E-05	0.4134	537	0.513
ENSP00000292641	1.12E-04	0.4132	499	0.111
ENSP00000334122	5.16E-05	0.4128	300	0.929
ENSP00000291574	4.54E-05	0.4121	172	0.130
ENSP00000240662	4.48E-05	0.4118	157	0.282
ENSP00000370989	5.85E-05	0.4115	201	0.827
ENSP00000301924	6.59E-05	0.4115	230	0.115
ENSP00000322061	6.99E-05	0.4114	576	0.141
ENSP00000301258	8.05E-05	0.4107	167	0.340
ENSP00000253799	3.21E-05	0.4107	410	0.360
ENSP00000257905	5.61E-05	0.4105	225	0.457
ENSP00000262968	4.84E-05	0.4104	216	0.000
ENSP00000469960	1.23E-06	0.4101	0	0.000
ENSP00000282406	5.88E-05	0.4100	254	0.157
ENSP00000266304	7.66E-05	0.4097	323	0.643
ENSP00000365227	6.02E-05	0.4085	582	0.753
ENSP00000354721	6.33E-05	0.4085	157	0.068
ENSP00000382101	2.71E-05	0.4054	338	0.000
ENSP00000306884	3.76E-05	0.4044	394	0.748
ENSP00000411734	3.02E-05	0.4029	165	0.000
ENSP00000357362	5.58E-05	0.4027	362	0.606
ENSP00000379701	7.36E-05	0.4025	705	0.669
ENSP00000353452	6.22E-05	0.4022	608	0.865
ENSP00000215376	9.24E-05	0.4016	181	0.000
ENSP00000465932	6.75E-05	0.4015	632	0.492
ENSP00000353679	6.59E-05	0.4010	802	0.912
ENSP00000265800	4.83E-05	0.3995	740	0.000
ENSP00000285381	1.25E-04	0.3995	418	0.388
ENSP00000395742	7.15E-05	0.3976	390	0.528
ENSP00000221498	5.46E-05	0.3974	258	0.096
ENSP00000200453	6.47E-05	0.3969	501	0.726
ENSP00000342392	3.90E-05	0.3967	271	0.866
ENSP00000262017	5.75E-05	0.3958	996	0.000
ENSP00000359866	4.19E-05	0.3958	553	0.891
ENSP00000219599	4.25E-05	0.3956	337	0.120
ENSP00000398979	3.23E-05	0.3946	163	0.115
ENSP00000364685	1.26E-04	0.3944	927	0.420
ENSP00000244728	6.23E-05	0.3940	282	0.175
ENSP00000310216	1.01E-04	0.3938	0	0.194
ENSP00000302476	5.50E-05	0.3937	481	0.545
ENSP00000357711	7.95E-05	0.3935	971	0.316
ENSP00000344829	1.14E-04	0.3932	306	0.706
ENSP00000221996	5.76E-05	0.3931	963	0.863
ENSP00000341987	6.10E-05	0.3924	207	0.000
ENSP00000280097	4.13E-05	0.3923	206	0.399

ENSP00000308597	6.41E-05	0.3911	195	0.416
ENSP00000372221	9.70E-05	0.3900	396	0.928
ENSP00000254616	3.87E-05	0.3894	150	0.620
ENSP00000343930	5.78E-05	0.3886	380	0.507
ENSP00000241305	5.39E-05	0.3883	167	0.105
ENSP00000360281	5.94E-05	0.3870	576	0.272
ENSP00000316938	7.86E-05	0.3866	150	0.113
ENSP00000263686	7.39E-05	0.3856	754	0.821
ENSP00000346537	8.92E-05	0.3855	411	0.094
ENSP00000292303	5.91E-05	0.3854	358	0.866
ENSP00000371532	8.32E-05	0.3838	988	0.744
ENSP00000345060	5.37E-05	0.3834	198	0.000
ENSP00000353512	8.08E-05	0.3833	166	0.177
ENSP00000353654	1.30E-04	0.3821	721	0.898
ENSP00000348069	8.58E-05	0.3821	889	0.789
ENSP00000360305	7.76E-05	0.3809	529	0.462
ENSP00000471857	1.42E-07	0.3805	0	0.000
ENSP00000357412	5.90E-05	0.3800	195	0.124
ENSP00000355785	6.22E-05	0.3799	913	0.886
ENSP00000054668	3.59E-05	0.3798	195	0.466
ENSP00000318820	4.16E-05	0.3785	205	0.716
ENSP00000268122	4.72E-05	0.3779	260	0.156
ENSP00000307093	4.73E-05	0.3778	258	0.108
ENSP00000417289	6.07E-05	0.3775	186	0.131
ENSP00000259631	6.56E-05	0.3761	270	0.704
ENSP00000337133	6.57E-05	0.3753	157	0.197
ENSP00000265071	5.68E-05	0.3748	288	0.398
ENSP00000249504	3.56E-05	0.3741	201	0.835
ENSP00000360561	3.40E-05	0.3723	171	0.299
ENSP00000346901	4.90E-05	0.3721	150	0.126
ENSP00000278550	7.35E-05	0.3709	0	0.134
ENSP00000225648	3.53E-05	0.3701	210	0.857
ENSP00000332296	5.36E-05	0.3680	505	0.887
ENSP00000357348	3.85E-05	0.3680	448	0.872
ENSP00000368678	7.34E-05	0.3671	900	0.285
ENSP00000349616	8.21E-05	0.3655	390	0.552
ENSP00000361554	8.38E-05	0.3650	506	0.682
ENSP00000295755	5.56E-05	0.3635	356	0.310
ENSP00000228641	2.65E-05	0.3630	179	0.867
ENSP00000379138	9.46E-05	0.3599	216	0.875
ENSP00000268070	8.40E-05	0.3594	325	0.170
ENSP00000293761	3.38E-05	0.3591	216	0.356
ENSP00000293599	3.45E-05	0.3564	211	0.295
ENSP00000360250	5.42E-05	0.3563	361	0.537
ENSP00000355110	8.68E-05	0.3558	512	0.624
ENSP00000229304	4.44E-05	0.3557	241	0.323

ENSP00000310447	3.35E-05	0.3552	181	0.320
ENSP00000344285	5.76E-05	0.3537	311	0.385
ENSP00000298542	6.17E-05	0.3536	158	0.144
ENSP00000391668	5.70E-05	0.3530	287	0.131
ENSP00000450694	2.69E-05	0.3529	246	0.000
ENSP00000320318	8.45E-05	0.3526	812	0.091
ENSP00000329312	3.25E-05	0.3518	343	0.449
ENSP00000262031	5.91E-05	0.3511	187	0.120
ENSP00000299767	9.59E-05	0.3490	999	0.837
ENSP00000246553	3.95E-05	0.3489	252	0.520
ENSP00000352358	5.46E-05	0.3466	161	0.350
ENSP00000364794	7.16E-05	0.3459	397	0.730
ENSP00000220597	6.88E-05	0.3458	195	0.491
ENSP00000391664	8.34E-05	0.3453	655	0.661
ENSP00000287641	3.93E-05	0.3441	499	0.903
ENSP00000366942	7.96E-05	0.3435	0	0.120
ENSP00000381499	4.33E-05	0.3410	347	0.859
ENSP00000258302	4.25E-05	0.3401	189	0.380
ENSP00000366623	4.78E-05	0.3400	282	0.000
ENSP00000416037	4.93E-05	0.3393	264	0.145
ENSP00000422464	4.23E-05	0.3379	859	0.862
ENSP00000397082	7.31E-05	0.3334	211	0.483
ENSP00000282020	5.33E-05	0.3334	0	0.207
ENSP00000365944	8.69E-05	0.3326	173	0.150
ENSP00000219593	3.88E-05	0.3319	242	0.000
ENSP00000369442	4.88E-05	0.3298	416	0.786
ENSP00000420976	5.74E-05	0.3298	325	0.144
ENSP00000243924	2.17E-05	0.3290	357	0.922
ENSP00000373570	5.04E-05	0.3289	822	0.803
ENSP00000350467	5.20E-05	0.3276	345	0.908
ENSP00000269216	2.70E-05	0.3265	940	0.000
ENSP00000300055	4.88E-05	0.3260	392	0.679
ENSP00000275525	6.08E-05	0.3259	412	0.906
ENSP00000251582	1.06E-04	0.3241	361	0.621
ENSP00000351310	7.16E-05	0.3232	161	0.208
ENSP00000224605	3.30E-05	0.3221	218	0.000
ENSP00000345259	5.88E-05	0.3219	858	0.367
ENSP00000256857	3.02E-05	0.3219	398	0.817
ENSP00000364635	6.69E-05	0.3210	286	0.170
ENSP00000362463	5.09E-05	0.3210	244	0.486
ENSP00000331871	6.85E-05	0.3195	745	0.566
ENSP00000377947	5.62E-05	0.3182	390	0.858
ENSP00000256010	3.20E-05	0.3180	822	0.742
ENSP00000316339	7.96E-05	0.3162	377	0.341
ENSP00000375109	3.83E-05	0.3161	171	0.129
ENSP00000310998	3.11E-05	0.3159	288	0.350

ENSP00000335156	8.44E-05	0.3156	181	0.000
ENSP00000216180	4.03E-05	0.3152	179	0.486
ENSP00000307445	3.33E-05	0.3149	501	0.699
ENSP00000004921	1.60E-04	0.3136	359	0.000
ENSP00000253270	4.28E-05	0.3129	900	0.070
ENSP00000319635	4.88E-05	0.3128	505	0.860
ENSP00000355812	6.48E-05	0.3100	576	0.077
ENSP00000369252	4.66E-05	0.3099	254	0.000
ENSP00000316228	4.71E-05	0.3089	209	0.492
ENSP00000164024	3.46E-05	0.3085	323	0.527
ENSP00000252575	9.59E-05	0.3084	510	0.515
ENSP00000267953	3.68E-05	0.3080	355	0.902
ENSP00000366244	6.35E-05	0.3078	659	0.875
ENSP00000286744	8.59E-05	0.3072	381	0.161
ENSP00000299847	3.75E-05	0.3071	270	0.665
ENSP00000315383	4.50E-05	0.3064	250	0.256
ENSP00000342070	1.61E-04	0.3061	921	0.908
ENSP00000240333	6.67E-05	0.3056	170	0.082
ENSP00000363868	5.93E-05	0.3040	973	0.850
ENSP00000385879	6.34E-05	0.3034	264	0.133
ENSP00000405455	6.26E-05	0.3034	488	0.585
ENSP00000369399	5.50E-05	0.3029	376	0.138
ENSP00000334876	4.93E-05	0.3024	999	0.632
ENSP00000312027	4.39E-05	0.3023	240	0.631
ENSP00000355512	3.70E-05	0.3020	284	0.493
ENSP00000408581	5.22E-05	0.3017	826	0.547
ENSP00000352835	8.71E-05	0.3016	836	0.710
ENSP00000302079	4.25E-05	0.3006	198	0.611
ENSP00000307879	1.33E-04	0.2999	216	0.119
ENSP00000301691	8.70E-05	0.2993	499	0.893
ENSP00000324570	9.10E-05	0.2983	0	0.089
ENSP00000318032	5.82E-05	0.2982	165	0.098
ENSP00000344489	5.30E-05	0.2982	177	0.104
ENSP00000360541	4.47E-05	0.2975	229	0.574
ENSP00000257408	3.45E-05	0.2962	201	0.275
ENSP00000337383	4.55E-05	0.2960	284	0.862
ENSP00000365343	6.32E-05	0.2947	167	0.000
ENSP00000357668	6.38E-05	0.2939	501	0.799
ENSP00000327545	5.32E-05	0.2934	242	0.347
ENSP00000354734	3.66E-05	0.2930	398	0.432
ENSP00000370588	4.60E-05	0.2927	585	0.645
ENSP00000287706	4.25E-05	0.2923	499	0.252
ENSP00000225538	3.21E-05	0.2913	356	0.489
ENSP00000229030	4.10E-05	0.2912	290	0.856
ENSP00000367891	5.87E-05	0.2904	906	0.348
ENSP00000353720	5.36E-05	0.2899	842	0.584

ENSP00000363157	4.22E-05	0.2896	211	0.681
ENSP00000351190	4.90E-05	0.2878	356	0.443
ENSP00000399679	3.78E-05	0.2876	487	0.742
ENSP00000382237	5.34E-05	0.2862	226	0.092
ENSP00000386043	6.39E-05	0.2829	910	0.669
ENSP00000353331	4.89E-05	0.2818	386	0.201
ENSP00000205143	3.66E-05	0.2815	241	0.843
ENSP00000349547	8.12E-05	0.2798	245	0.863
ENSP00000354053	8.02E-05	0.2798	159	0.137
ENSP00000356213	4.03E-05	0.2787	471	0.834
ENSP00000233957	4.55E-05	0.2780	204	0.608
ENSP00000268164	3.84E-05	0.2774	360	0.240
ENSP00000217386	4.19E-05	0.2754	463	0.817
ENSP00000331358	5.57E-05	0.2753	842	0.885
ENSP00000180166	2.87E-05	0.2742	184	0.944
ENSP00000391397	6.05E-05	0.2742	451	0.150
ENSP00000358071	5.72E-05	0.2742	165	0.559
ENSP00000372295	5.02E-05	0.2732	213	0.456
ENSP00000345023	5.62E-05	0.2728	235	0.345
ENSP00000303424	4.66E-05	0.2715	302	0.663
ENSP00000357981	1.01E-04	0.2714	716	0.904
ENSP00000161559	3.17E-05	0.2712	242	0.740
ENSP00000364000	5.61E-05	0.2710	835	0.722
ENSP00000352900	5.05E-05	0.2709	322	0.822
ENSP00000332659	3.76E-05	0.2708	288	0.629
ENSP00000358525	7.30E-05	0.2707	307	0.950
ENSP00000376423	4.71E-05	0.2705	193	0.379
ENSP00000334003	4.23E-05	0.2701	227	0.498
ENSP00000346829	5.28E-05	0.2688	269	0.614
ENSP00000321684	5.07E-05	0.2685	206	0.842
ENSP00000328412	4.50E-05	0.2685	564	0.402
ENSP00000272224	3.36E-05	0.2684	162	0.872
ENSP00000217270	3.24E-05	0.2681	296	0.725
ENSP00000265708	2.72E-05	0.2665	161	0.467
ENSP00000262653	3.30E-05	0.2662	349	0.584
ENSP00000430487	1.22E-04	0.2659	614	0.263
ENSP00000330774	8.31E-05	0.2658	159	0.000
ENSP00000355609	7.28E-05	0.2652	219	0.116
ENSP00000422846	7.40E-05	0.2649	181	0.402
ENSP00000357998	6.55E-05	0.2647	851	0.347
ENSP00000369962	6.32E-05	0.2637	150	0.094
ENSP00000349003	4.15E-05	0.2631	864	0.782
ENSP00000393099	8.54E-05	0.2626	159	0.173
ENSP00000357727	9.40E-05	0.2616	483	0.798
ENSP00000298861	1.14E-04	0.2615	216	0.000
ENSP00000217961	3.25E-05	0.2613	301	0.723

ENSP00000352561	7.90E-05	0.2612	414	0.786
ENSP00000262352	2.63E-05	0.2600	211	0.214
ENSP00000410452	7.47E-05	0.2592	657	0.547
ENSP00000263525	3.30E-05	0.2592	216	0.586
ENSP00000361232	4.40E-05	0.2586	280	0.869
ENSP00000372224	3.10E-05	0.2586	286	0.482
ENSP00000287097	1.06E-04	0.2584	156	0.126
ENSP00000371886	4.45E-05	0.2580	374	0.136
ENSP00000358966	5.74E-05	0.2564	241	0.182
ENSP00000220562	2.37E-05	0.2559	390	0.458
ENSP00000254442	5.21E-05	0.2557	561	0.104
ENSP00000354130	6.75E-05	0.2553	242	0.893
ENSP00000297161	5.73E-05	0.2546	191	0.747
ENSP00000349677	5.56E-05	0.2544	760	0.115
ENSP00000301653	8.66E-05	0.2537	418	0.959
ENSP00000177648	1.34E-04	0.2534	198	0.190
ENSP00000296875	3.30E-05	0.2530	203	0.879
ENSP00000257189	4.48E-05	0.2528	151	0.384
ENSP00000287387	5.71E-05	0.2495	197	0.073
ENSP00000352540	5.41E-05	0.2494	204	0.166
ENSP00000235628	2.54E-05	0.2480	286	0.240
ENSP00000389275	2.39E-05	0.2479	338	0.000
ENSP00000350425	6.80E-05	0.2472	927	0.600
ENSP00000345873	4.31E-05	0.2469	381	0.585
ENSP00000309007	9.14E-05	0.2468	194	0.174
ENSP00000319799	4.34E-05	0.2466	479	0.847
ENSP00000331514	7.24E-05	0.2453	543	0.715
ENSP00000405718	5.46E-05	0.2453	191	0.000
ENSP00000357452	5.44E-05	0.2434	169	0.362
ENSP00000267889	6.33E-05	0.2418	181	0.314
ENSP00000258888	5.65E-05	0.2417	252	0.097
ENSP00000257209	4.08E-05	0.2413	153	0.126
ENSP00000251645	2.48E-05	0.2410	360	0.285
ENSP00000356584	8.49E-05	0.2399	150	0.117
ENSP00000352011	4.11E-05	0.2395	658	0.400
ENSP00000337340	3.97E-05	0.2387	328	0.681
ENSP00000229402	2.91E-05	0.2386	179	0.604
ENSP00000428230	1.78E-05	0.2385	156	0.000
ENSP00000441828	5.72E-05	0.2376	252	0.415
ENSP00000354458	3.57E-05	0.2374	0	0.289
ENSP00000270800	5.37E-05	0.2370	158	0.598
ENSP00000378400	5.68E-05	0.2364	164	0.250
ENSP00000273968	3.90E-05	0.2361	216	0.285
ENSP00000278949	8.47E-05	0.2360	150	0.135
ENSP00000273550	1.11E-04	0.2355	383	0.605
ENSP00000381895	3.26E-02	0.2353	0	0.198



ENSP00000265162	1.37E-04	0.2351	747	0.538
ENSP00000389338	3.26E-02	0.2346	739	0.949
ENSP00000305924	6.06E-05	0.2344	309	0.074
ENSP00000377176	5.29E-05	0.2338	222	0.502
ENSP00000257312	5.12E-05	0.2328	153	0.237
ENSP00000262999	2.79E-05	0.2326	390	0.823
ENSP00000352702	1.48E-04	0.2309	212	0.098
ENSP00000312326	8.34E-05	0.2305	408	0.591
ENSP00000252338	2.46E-05	0.2305	217	0.410
ENSP00000356024	2.81E-05	0.2296	340	0.877
ENSP00000352717	5.60E-05	0.2293	159	0.000
ENSP00000356370	3.98E-05	0.2290	580	0.472
ENSP00000337128	3.07E-05	0.2279	254	0.700
ENSP00000270288	4.04E-05	0.2266	159	0.000
ENSP00000233954	3.65E-05	0.2261	173	0.638
ENSP00000352047	3.97E-05	0.2261	357	0.522
ENSP00000410910	9.36E-05	0.2260	193	0.085
ENSP00000444565	7.92E-05	0.2245	150	0.131
ENSP00000306245	9.81E-05	0.2237	954	0.000
ENSP00000353847	4.42E-05	0.2234	983	0.734
ENSP00000295834	7.88E-05	0.2230	714	0.608
ENSP00000265052	4.10E-05	0.2226	343	0.489
ENSP00000398350	7.77E-05	0.2226	796	0.144
ENSP00000294413	2.74E-05	0.2219	571	0.350
ENSP00000370808	7.73E-05	0.2215	358	0.430
ENSP00000358945	3.38E-05	0.2214	155	0.412
ENSP00000357753	8.60E-05	0.2213	345	0.796
ENSP00000006275	4.00E-05	0.2192	230	0.104
ENSP00000345344	6.57E-05	0.2192	350	0.000
ENSP00000251535	4.26E-05	0.2191	215	0.362
ENSP00000409007	4.59E-05	0.2174	254	0.925
ENSP00000291232	4.36E-05	0.2167	163	0.754
ENSP00000371785	3.05E-05	0.2160	252	0.816
ENSP00000247020	4.66E-05	0.2158	160	0.126
ENSP00000221485	2.70E-05	0.2151	216	0.494
ENSP00000398736	1.26E-04	0.2146	702	0.953
ENSP00000252825	6.13E-05	0.2138	158	0.244
ENSP00000308541	1.20E-04	0.2136	944	0.972
ENSP00000285311	4.28E-05	0.2135	531	0.693
ENSP00000318916	3.64E-05	0.2131	505	0.270
ENSP00000369129	5.07E-05	0.2131	676	0.747
ENSP00000239374	3.73E-05	0.2104	240	0.220
ENSP00000362299	7.25E-05	0.2102	507	0.890
ENSP00000290866	7.96E-05	0.2100	725	0.909
ENSP00000354219	5.21E-05	0.2070	912	0.648
ENSP00000362410	5.20E-05	0.2064	598	0.813

ENSP00000371110	7.00E-05	0.2058	340	0.397
ENSP00000363680	6.18E-05	0.2024	293	0.806
ENSP00000334472	9.81E-05	0.2023	502	0.000
ENSP00000344822	7.01E-05	0.2010	150	0.134
ENSP00000341550	4.37E-05	0.2009	208	0.231
ENSP00000267838	9.77E-05	0.2007	216	0.126
ENSP00000457031	4.50E-05	0.2004	292	0.156
ENSP00000171757	3.39E-05	0.2002	221	0.412
ENSP00000307369	3.27E-05	0.2000	150	0.116
ENSP00000341170	6.87E-05	0.1993	360	0.904
ENSP00000346791	2.30E-04	0.1991	416	0.323
ENSP00000254908	7.27E-05	0.1984	165	0.111
ENSP00000400365	5.06E-05	0.1981	270	0.774
ENSP00000395498	4.66E-05	0.1980	173	0.883
ENSP00000262487	6.59E-05	0.1974	179	0.087
ENSP00000291536	4.74E-05	0.1972	171	0.092
ENSP00000381693	6.07E-05	0.1961	150	0.105
ENSP00000348384	3.84E-05	0.1958	234	0.643
ENSP00000414302	4.10E-05	0.1954	204	0.726
ENSP00000307900	9.05E-05	0.1952	562	0.704
ENSP00000389026	1.26E-04	0.1951	182	0.150
ENSP00000362159	4.71E-05	0.1950	830	0.100
ENSP00000252506	3.78E-05	0.1947	150	0.682
ENSP00000262041	6.19E-05	0.1947	309	0.859
ENSP00000327850	3.85E-05	0.1946	284	0.912
ENSP00000344789	8.36E-05	0.1943	466	0.000
ENSP00000388666	4.63E-05	0.1942	636	0.747
ENSP00000359864	7.28E-05	0.1942	905	0.687
ENSP00000418491	2.99E-05	0.1924	0	0.142
ENSP00000282018	4.83E-05	0.1905	198	0.458
ENSP00000308252	4.52E-05	0.1904	262	0.841
ENSP00000337212	5.53E-05	0.1896	256	0.585
ENSP00000379204	9.49E-05	0.1890	913	0.929
ENSP00000358831	7.53E-05	0.1886	541	0.331
ENSP00000261917	2.90E-05	0.1876	154	0.406
ENSP00000290294	3.97E-05	0.1868	198	0.000
ENSP00000360502	5.03E-05	0.1865	580	0.650
ENSP00000420295	6.08E-05	0.1863	725	0.665
ENSP00000349252	4.35E-05	0.1858	725	0.864
ENSP00000311291	3.73E-05	0.1855	159	0.123
ENSP00000358951	3.37E-05	0.1847	156	0.000
ENSP00000349274	3.33E-05	0.1845	197	0.524
ENSP00000401678	5.74E-05	0.1843	995	0.918
ENSP00000385834	1.67E-04	0.1838	579	0.948
ENSP00000278200	2.62E-05	0.1837	507	0.336
ENSP00000379823	4.50E-05	0.1836	696	0.690

ENSP00000222718	6.57E-05	0.1832	800	0.854
ENSP00000290167	5.62E-05	0.1830	679	0.930
ENSP00000370115	5.21E-05	0.1825	300	0.759
ENSP00000441600	5.57E-05	0.1824	242	0.678
ENSP00000430236	6.88E-05	0.1820	193	0.387
ENSP00000274545	4.14E-05	0.1819	168	0.347
ENSP00000297316	2.32E-05	0.1817	193	0.877
ENSP00000282561	9.10E-05	0.1813	479	0.944
ENSP00000258411	2.83E-05	0.1803	544	0.912
ENSP00000308107	9.00E-05	0.1799	509	0.801
ENSP00000332170	5.77E-05	0.1798	900	0.081
ENSP00000341327	4.56E-05	0.1792	158	0.646
ENSP00000262407	6.71E-05	0.1771	991	0.926
ENSP00000382086	2.24E-05	0.1769	338	0.493
ENSP00000221554	2.94E-05	0.1768	286	0.466
ENSP00000264426	4.59E-05	0.1765	341	0.536
ENSP00000295731	3.09E-05	0.1752	583	0.942
ENSP00000373574	4.30E-05	0.1744	407	0.928
ENSP00000351593	7.30E-05	0.1738	793	0.609
ENSP00000305941	6.20E-05	0.1734	472	0.513
ENSP00000313833	7.21E-05	0.1734	0	0.177
ENSP00000354919	7.94E-05	0.1731	0	0.072
ENSP00000258317	3.47E-05	0.1730	345	0.472
ENSP00000406367	6.63E-05	0.1729	206	0.000
ENSP00000347931	5.11E-05	0.1729	549	0.188
ENSP00000355629	5.56E-05	0.1721	812	0.590
ENSP00000340913	3.14E-05	0.1721	428	0.688
ENSP00000361125	1.38E-04	0.1719	994	0.000
ENSP00000455434	3.32E-05	0.1715	157	0.111
ENSP00000353660	4.97E-05	0.1714	238	0.723
ENSP00000263233	3.60E-05	0.1713	394	0.385
ENSP00000317331	6.17E-05	0.1711	216	0.173
ENSP00000354207	4.87E-05	0.1703	229	0.891
ENSP00000438833	8.73E-05	0.1701	321	0.000
ENSP00000302639	3.15E-05	0.1694	300	0.000
ENSP00000303111	3.15E-05	0.1693	325	0.000
ENSP00000281923	3.06E-05	0.1692	212	0.211
ENSP00000264497	3.91E-05	0.1692	270	0.735
ENSP00000355317	9.36E-05	0.1686	949	0.796
ENSP00000429734	2.39E-05	0.1678	338	0.000
ENSP00000384534	4.64E-05	0.1675	250	0.300
ENSP00000418648	6.83E-05	0.1675	0	0.118
ENSP00000246012	3.34E-05	0.1649	157	0.582
ENSP00000359686	6.57E-05	0.1647	0	0.000
ENSP00000372193	6.20E-05	0.1646	211	0.164
ENSP00000362734	3.70E-05	0.1641	189	0.654

ENSP00000357863	4.97E-05	0.1639	167	0.078
ENSP00000381768	4.68E-05	0.1636	205	0.664
ENSP00000363965	5.26E-05	0.1631	370	0.608
ENSP00000361189	4.62E-05	0.1618	203	0.374
ENSP00000355124	1.01E-04	0.1616	383	0.903
ENSP00000398971	6.47E-05	0.1613	321	0.000
ENSP00000342434	3.25E-05	0.1609	443	0.938
ENSP00000253392	1.37E-04	0.1607	227	0.832
ENSP00000431840	7.87E-05	0.1605	173	0.097
ENSP00000373487	8.09E-05	0.1597	637	0.832
ENSP00000352177	1.47E-04	0.1596	0	0.107
ENSP00000337432	3.75E-05	0.1581	239	0.873
ENSP00000357789	6.48E-05	0.1578	562	0.688
ENSP00000301825	3.07E-05	0.1577	158	0.269
ENSP00000360519	6.18E-05	0.1576	247	0.224
ENSP00000449598	1.97E-05	0.1573	202	0.102
ENSP00000353393	2.94E-05	0.1571	577	0.216
ENSP00000367151	6.50E-05	0.1554	0	0.103
ENSP00000358223	4.21E-05	0.1542	472	0.394
ENSP00000261652	4.68E-05	0.1540	159	0.737
ENSP00000339191	1.03E-04	0.1538	820	0.905
ENSP00000392423	4.89E-05	0.1537	923	0.883
ENSP00000296099	2.85E-05	0.1528	169	0.597
ENSP00000368966	3.12E-05	0.1520	374	0.650
ENSP00000218721	3.44E-05	0.1519	252	0.492
ENSP00000265023	6.45E-05	0.1510	961	0.845
ENSP00000295619	3.03E-05	0.1505	179	0.646
ENSP00000276414	4.57E-05	0.1497	234	0.802
ENSP00000347649	3.43E-04	0.1493	156	0.000
ENSP00000227665	3.52E-05	0.1491	969	0.396
ENSP00000258955	4.01E-05	0.1487	284	0.074
ENSP00000268603	9.13E-05	0.1481	311	0.652
ENSP00000300177	4.74E-05	0.1481	471	0.933
ENSP00000244513	2.85E-05	0.1476	254	0.238
ENSP00000339804	4.56E-05	0.1472	240	0.820
ENSP00000358677	2.76E-05	0.1461	212	0.839
ENSP00000379804	5.51E-05	0.1457	427	0.131
ENSP00000457706	1.57E-04	0.1452	931	0.908
ENSP00000329158	3.97E-05	0.1449	242	0.313
ENSP00000327758	2.92E-05	0.1448	613	0.879
ENSP00000380903	4.25E-05	0.1441	256	0.612
ENSP00000234739	4.71E-05	0.1435	216	0.589
ENSP00000258443	6.89E-05	0.1429	258	0.863
ENSP00000361027	4.35E-05	0.1420	181	0.478
ENSP00000328973	1.16E-04	0.1406	949	0.000
ENSP00000362205	4.28E-05	0.1402	234	0.404

ENSP00000262345	3.31E-05	0.1402	201	0.768
ENSP00000374566	3.95E-05	0.1401	305	0.239
ENSP00000346572	2.97E-05	0.1400	338	0.000
ENSP00000295743	2.65E-05	0.1399	159	0.864
ENSP00000257770	6.57E-05	0.1399	652	0.769
ENSP00000371875	2.99E-05	0.1398	298	0.858
ENSP00000369461	5.53E-05	0.1395	210	0.331
ENSP00000346987	1.17E-04	0.1393	319	0.373
ENSP00000309757	9.18E-05	0.1392	997	0.854
ENSP00000053867	1.66E-04	0.1392	428	0.777
ENSP00000263390	3.16E-05	0.1381	242	0.000
ENSP00000359446	3.37E-05	0.1380	499	0.323
ENSP00000420321	4.68E-05	0.1378	306	0.690
ENSP00000386741	4.13E-05	0.1372	239	0.560
ENSP00000371514	3.22E-05	0.1369	212	0.252
ENSP00000369460	7.42E-05	0.1369	301	0.888
ENSP00000382356	1.70E-05	0.1368	587	0.235
ENSP00000383894	5.21E-05	0.1367	736	0.457
ENSP00000358730	4.10E-05	0.1365	439	0.000
ENSP00000342681	4.16E-05	0.1362	302	0.889
ENSP00000351727	4.31E-05	0.1361	360	0.123
ENSP00000367828	7.16E-05	0.1354	384	0.537
ENSP00000262946	3.15E-05	0.1352	165	0.156
ENSP00000362924	1.19E-04	0.1347	752	0.910
ENSP00000420405	5.64E-05	0.1343	165	0.110
ENSP00000368190	3.92E-05	0.1337	457	0.877
ENSP00000262915	3.10E-05	0.1335	900	0.133
ENSP00000361141	3.16E-05	0.1334	357	0.644
ENSP00000295897	8.17E-05	0.1331	980	0.956
ENSP00000252744	1.72E-04	0.1331	374	0.111
ENSP00000356162	2.90E-05	0.1326	939	0.660
ENSP00000442563	4.55E-05	0.1311	170	0.722
ENSP00000399985	5.94E-05	0.1304	359	0.837
ENSP00000355195	4.67E-05	0.1303	307	0.660
ENSP00000239144	2.66E-05	0.1303	176	0.857
ENSP00000376865	3.49E-05	0.1301	858	0.661
ENSP00000381034	4.22E-05	0.1296	158	0.530
ENSP00000373827	2.42E-05	0.1296	150	0.118
ENSP00000347409	3.17E-05	0.1288	312	0.311
ENSP00000359958	9.35E-05	0.1273	216	0.432
ENSP00000358327	4.52E-05	0.1271	968	0.863
ENSP00000433773	6.92E-05	0.1270	191	0.000
ENSP00000261654	4.15E-05	0.1268	191	0.000
ENSP00000313681	5.76E-04	0.1266	842	0.722
ENSP00000294312	2.59E-05	0.1257	210	0.916
ENSP00000436682	8.06E-05	0.1253	564	0.500

ENSP00000227266	9.98E-05	0.1251	457	0.803
ENSP00000368798	9.28E-05	0.1248	624	0.535
ENSP00000296695	2.73E-05	0.1247	390	0.538
ENSP00000356940	3.54E-05	0.1247	298	0.234
ENSP00000347197	3.49E-05	0.1247	167	0.604
ENSP00000266579	9.10E-05	0.1243	356	0.154
ENSP00000293860	2.68E-05	0.1242	196	0.807
ENSP00000392762	3.13E-05	0.1242	218	0.899
ENSP00000302630	2.53E-05	0.1237	196	0.863
ENSP00000276571	3.71E-05	0.1231	233	0.814
ENSP00000396586	2.85E-05	0.1227	160	0.052
ENSP00000377252	6.12E-05	0.1223	156	0.000
ENSP00000254301	7.74E-05	0.1222	896	0.944
ENSP00000349078	6.96E-05	0.1222	242	0.472
ENSP00000365775	5.70E-05	0.1218	720	0.781
ENSP00000419362	6.32E-05	0.1213	0	0.793
ENSP00000344468	4.74E-05	0.1209	918	0.662
ENSP00000365280	4.28E-05	0.1208	239	0.904
ENSP00000393312	7.73E-05	0.1199	424	0.000
ENSP00000233242	6.05E-05	0.1194	997	0.877
ENSP00000367034	5.54E-05	0.1193	877	0.947
ENSP00000407685	1.36E-05	0.1192	0	0.245
ENSP00000367714	3.71E-05	0.1192	256	0.834
ENSP00000311697	4.99E-05	0.1189	222	0.928
ENSP00000262738	3.85E-05	0.1189	421	0.359
ENSP00000308549	3.48E-05	0.1187	412	0.702
ENSP00000435466	4.78E-05	0.1186	382	0.238
ENSP00000264613	1.05E-04	0.1185	508	0.656
ENSP00000219746	4.57E-05	0.1177	269	0.897
ENSP00000299752	5.57E-05	0.1174	187	0.182
ENSP00000327569	2.72E-05	0.1171	160	0.055
ENSP00000364683	4.18E-05	0.1169	215	0.759
ENSP00000309913	2.47E-05	0.1162	301	0.875
ENSP00000341108	4.32E-05	0.1159	241	0.835
ENSP00000215909	1.55E-04	0.1152	734	0.881
ENSP00000353508	6.00E-05	0.1139	717	0.825
ENSP00000172229	7.48E-05	0.1139	323	0.963
ENSP00000315602	3.88E-05	0.1137	605	0.478
ENSP00000011653	2.48E-05	0.1135	564	0.950
ENSP00000424838	1.04E-04	0.1130	565	0.692
ENSP00000367766	8.25E-05	0.1125	648	0.389
ENSP00000307443	2.89E-05	0.1123	160	0.055
ENSP00000224337	3.63E-05	0.1121	158	0.710
ENSP00000357380	4.92E-05	0.1117	284	0.000
ENSP00000265077	9.35E-05	0.1115	795	0.942
ENSP00000367198	4.13E-05	0.1113	300	0.528

ENSP00000301891	2.56E-05	0.1104	160	0.054
ENSP00000365931	7.51E-05	0.1102	151	0.746
ENSP00000231461	2.87E-05	0.1101	441	0.107
ENSP00000456533	3.88E-05	0.1099	198	0.000
ENSP00000336762	3.91E-05	0.1096	196	0.615
ENSP00000352455	7.68E-05	0.1092	922	0.353
ENSP00000362888	3.88E-05	0.1086	184	0.301
ENSP00000244527	3.93E-05	0.1086	341	0.086
ENSP00000180173	4.87E-05	0.1083	414	0.096
ENSP00000236671	7.41E-05	0.1078	701	0.876
ENSP00000248572	2.07E-05	0.1077	974	0.000
ENSP00000346316	5.08E-05	0.1076	884	0.000
ENSP00000261267	7.09E-05	0.1075	715	0.858
ENSP00000249373	3.00E-05	0.1074	171	0.923
ENSP00000257555	2.84E-05	0.1066	575	0.822
ENSP00000234590	3.43E-05	0.1065	834	0.858
ENSP00000456548	3.58E-05	0.1063	181	0.156
ENSP00000217026	1.85E-05	0.1059	284	0.000
ENSP00000364694	7.27E-05	0.1057	623	0.849
ENSP00000311837	8.37E-05	0.1054	268	0.111
ENSP00000215885	2.93E-05	0.1053	181	0.162
ENSP00000371833	3.81E-05	0.1051	154	0.000
ENSP00000351314	6.12E-05	0.1051	330	0.585
ENSP00000380193	8.37E-05	0.1051	942	0.720
ENSP00000347041	6.71E-05	0.1047	916	0.909
ENSP00000340191	2.87E-05	0.1047	301	0.637
ENSP00000375777	5.02E-05	0.1046	163	0.235
ENSP00000366898	8.89E-05	0.1044	440	0.769
ENSP00000357113	1.26E-04	0.1043	173	0.514
ENSP00000262958	5.51E-05	0.1042	607	0.854
ENSP00000251808	2.98E-05	0.1041	266	0.781
ENSP00000468772	5.26E-05	0.1040	224	0.000
ENSP00000263577	2.79E-05	0.1039	188	0.621
ENSP00000231004	1.24E-04	0.1038	696	0.872
ENSP00000359991	5.36E-05	0.1038	412	0.605
ENSP00000291527	4.97E-05	0.1037	206	0.758
ENSP00000351682	5.22E-05	0.1036	837	0.277
ENSP00000236826	1.23E-04	0.1029	930	0.953
ENSP00000271324	6.66E-05	0.1029	239	0.559
ENSP00000254351	9.92E-05	0.1028	951	0.925
ENSP00000270202	5.46E-05	0.1026	969	0.000
ENSP00000357429	3.44E-05	0.1025	359	0.825
ENSP00000364252	4.74E-05	0.1018	589	0.729
ENSP00000371798	5.07E-05	0.1017	280	0.676
ENSP00000450687	6.74E-05	0.1013	357	0.760
ENSP00000240874	2.95E-05	0.1012	272	0.741

ENSP00000160740	1.54E-04	0.1011	216	0.617
ENSP00000338345	8.66E-05	0.1008	645	0.946
ENSP00000357980	7.75E-05	0.1003	431	0.623
ENSP00000215754	1.57E-04	0.1001	899	0.917
ENSP00000466140	1.13E-05	0.0998	0	0.369
ENSP00000344192	3.77E-05	0.0995	897	0.925
ENSP00000325527	1.05E-04	0.0993	898	0.862
ENSP00000362993	8.66E-05	0.0989	393	0.452
ENSP00000356906	3.92E-05	0.0989	250	0.274
ENSP00000360777	3.45E-05	0.0976	160	0.262
ENSP00000344648	4.39E-05	0.0974	210	0.098
ENSP00000261584	3.78E-05	0.0974	195	0.554
ENSP00000271628	3.39E-05	0.0972	378	0.691
ENSP00000319377	2.54E-05	0.0970	345	0.494
ENSP00000375921	4.55E-05	0.0967	305	0.872
ENSP00000261023	1.36E-04	0.0961	997	0.904
ENSP00000300181	4.62E-05	0.0958	392	0.458
ENSP00000374309	4.07E-05	0.0955	258	0.673
ENSP00000348429	3.55E-05	0.0955	344	0.538
ENSP00000321853	1.53E-04	0.0953	954	0.636
ENSP00000355325	4.07E-05	0.0947	644	0.467
ENSP00000297268	7.96E-05	0.0945	976	0.960
ENSP00000382178	5.06E-05	0.0945	241	0.094
ENSP00000344223	8.66E-05	0.0942	835	0.771
ENSP00000324277	4.48E-05	0.0941	191	0.263
ENSP00000336927	1.14E-04	0.0934	912	0.432
ENSP00000435835	4.17E-05	0.0933	233	0.828
ENSP00000200557	6.23E-05	0.0932	150	0.231
ENSP00000351342	3.89E-05	0.0930	199	0.694
ENSP00000365131	4.60E-05	0.0924	686	0.228
ENSP00000332771	7.32E-05	0.0923	216	0.124
ENSP00000233948	2.68E-05	0.0921	602	0.891
ENSP00000356969	3.44E-05	0.0917	991	0.538
ENSP00000358162	5.21E-05	0.0916	889	0.000
ENSP00000333363	8.83E-05	0.0914	593	0.882
ENSP00000351113	6.79E-05	0.0913	483	0.142
ENSP00000221972	3.58E-05	0.0912	809	0.937
ENSP00000373477	6.13E-05	0.0907	340	0.416
ENSP00000440403	4.64E-05	0.0906	187	0.693
ENSP00000294304	1.20E-04	0.0906	876	0.944
ENSP00000264245	3.19E-05	0.0900	200	0.471
ENSP00000366525	2.02E-04	0.0900	440	0.411
ENSP00000368698	6.64E-05	0.0899	373	0.771
ENSP00000452746	5.61E-05	0.0888	481	0.766
ENSP00000348089	4.87E-05	0.0888	284	0.881
ENSP00000368349	6.54E-05	0.0885	509	0.795



ENSP00000422554	3.51E-05	0.0881	263	0.237
ENSP00000348307	4.51E-05	0.0880	919	0.595
ENSP00000353624	4.99E-05	0.0870	884	0.000
ENSP00000261799	6.60E-05	0.0870	897	0.000
ENSP00000415222	1.95E-05	0.0867	471	0.000
ENSP00000406012	6.07E-05	0.0861	0	0.072
ENSP00000434364	5.28E-05	0.0857	216	0.150
ENSP00000296026	2.77E-05	0.0856	163	0.638
ENSP00000262464	2.24E-04	0.0854	614	0.620
ENSP00000377914	4.79E-05	0.0853	153	0.171
ENSP00000334267	2.61E-05	0.0852	343	0.411
ENSP00000358549	3.64E-05	0.0851	363	0.609
ENSP00000009530	1.37E-04	0.0847	744	0.776
ENSP00000296585	7.08E-05	0.0847	948	0.949
ENSP00000455329	2.89E-05	0.0845	518	0.000
ENSP00000285379	9.40E-05	0.0843	416	0.931
ENSP00000367202	3.41E-05	0.0843	968	0.757
ENSP00000243077	1.17E-04	0.0841	998	0.876
ENSP00000361834	3.92E-05	0.0837	926	0.443
ENSP00000331411	4.43E-05	0.0835	203	0.092
ENSP00000279178	2.55E-05	0.0827	160	0.053
ENSP00000446100	4.81E-05	0.0826	150	0.142
ENSP00000353010	4.77E-05	0.0822	183	0.060
ENSP00000305603	3.00E-05	0.0819	418	0.371
ENSP00000346173	3.89E-05	0.0818	300	0.259
ENSP00000360124	4.25E-05	0.0817	288	0.508
ENSP00000446714	3.47E-05	0.0806	278	0.466
ENSP00000308620	9.63E-05	0.0805	297	0.911
ENSP00000315167	4.26E-05	0.0800	167	0.191
ENSP00000352295	7.17E-05	0.0798	0	0.660
ENSP00000428417	3.29E-05	0.0793	196	0.352
ENSP00000352614	1.15E-04	0.0789	422	0.095
ENSP00000321326	8.52E-05	0.0789	704	0.847
ENSP00000368401	1.49E-04	0.0788	838	0.893
ENSP00000342011	3.13E-04	0.0787	0	0.664
ENSP00000268459	3.56E-05	0.0785	398	0.868
ENSP00000407262	4.69E-05	0.0783	173	0.691
ENSP00000205948	2.26E-04	0.0781	581	0.575
ENSP00000388658	7.07E-05	0.0774	201	0.059
ENSP00000323155	3.24E-05	0.0764	414	0.545
ENSP00000358414	3.88E-05	0.0764	594	0.575
ENSP00000367595	1.46E-05	0.0761	183	0.206
ENSP00000366581	5.30E-05	0.0761	884	0.946
ENSP00000365116	4.38E-05	0.0760	300	0.204
ENSP00000355645	5.42E-05	0.0753	876	0.702
ENSP00000415941	5.13E-05	0.0750	459	0.708

ENSP00000257497	7.41E-05	0.0749	366	0.786
ENSP00000386951	3.34E-05	0.0749	242	0.831
ENSP00000368664	3.82E-05	0.0748	351	0.816
ENSP00000362817	3.55E-05	0.0747	345	0.648
ENSP00000370880	3.40E-05	0.0746	342	0.697
ENSP00000332258	3.94E-05	0.0745	512	0.566
ENSP00000266041	1.53E-04	0.0745	478	0.908
ENSP00000262424	3.52E-05	0.0741	156	0.105
ENSP00000226284	1.23E-04	0.0740	836	0.886
ENSP00000384400	3.84E-05	0.0734	292	0.137
ENSP00000239165	2.29E-05	0.0734	198	0.855
ENSP00000365759	3.36E-05	0.0732	609	0.537
ENSP00000262178	3.42E-05	0.0732	346	0.567
ENSP00000052754	3.83E-05	0.0731	927	0.943
ENSP00000348258	4.66E-05	0.0730	885	0.000
ENSP00000272371	2.81E-05	0.0726	340	0.284
ENSP00000300098	3.14E-05	0.0723	408	0.424
ENSP00000361548	2.83E-05	0.0722	414	0.865
ENSP00000365899	1.29E-04	0.0721	313	0.383
ENSP00000264832	9.21E-05	0.0719	998	0.978
ENSP00000356811	3.89E-05	0.0717	170	0.807
ENSP00000363840	2.97E-05	0.0717	568	0.795
ENSP00000307156	1.12E-04	0.0714	533	0.926
ENSP00000257290	3.97E-05	0.0709	264	0.701
ENSP00000343246	3.87E-05	0.0708	467	0.867
ENSP00000447378	1.04E-04	0.0708	400	0.723
ENSP00000347168	4.73E-05	0.0701	884	0.946
ENSP00000309845	7.50E-05	0.0700	923	0.000
ENSP00000350159	4.68E-05	0.0700	884	0.000
ENSP00000309629	7.97E-05	0.0695	518	0.635
ENSP00000267843	5.54E-05	0.0692	906	0.975
ENSP00000256078	4.37E-05	0.0690	907	0.749
ENSP00000321106	6.85E-05	0.0690	600	0.803
ENSP00000302150	3.91E-05	0.0686	225	0.903
ENSP00000370007	4.97E-05	0.0680	912	0.303
ENSP00000381726	4.21E-05	0.0680	359	0.694
ENSP00000316329	8.79E-05	0.0678	297	0.491
ENSP00000435150	1.22E-04	0.0678	625	0.175
ENSP00000354280	4.14E-05	0.0676	387	0.428
ENSP00000361562	6.69E-05	0.0674	361	0.337
ENSP00000377778	4.78E-05	0.0673	150	0.096
ENSP00000368752	1.12E-04	0.0673	983	0.824
ENSP00000374280	5.71E-05	0.0670	358	0.881
ENSP00000276373	9.52E-05	0.0669	328	0.205
ENSP00000378702	4.02E-05	0.0666	246	0.930
ENSP00000366015	3.29E-05	0.0665	216	0.167

ENSP00000441875	8.03E-05	0.0665	581	0.697
ENSP00000389792	3.47E-05	0.0665	224	0.483
ENSP00000358727	5.57E-05	0.0662	284	0.459
ENSP00000310565	3.58E-05	0.0660	254	0.103
ENSP00000358153	4.92E-05	0.0659	884	0.000
ENSP00000282326	8.26E-05	0.0658	661	0.796
ENSP00000283635	6.59E-05	0.0656	633	0.000
ENSP00000321334	1.29E-04	0.0652	905	0.571
ENSP00000322775	6.40E-05	0.0651	270	0.838
ENSP00000255380	2.22E-05	0.0650	185	0.593
ENSP00000282397	6.85E-05	0.0643	926	0.745
ENSP00000328928	4.56E-05	0.0643	335	0.871
ENSP00000351686	1.27E-04	0.0642	704	0.000
ENSP00000252898	5.63E-05	0.0641	900	0.295
ENSP00000301420	6.23E-05	0.0640	584	0.280
ENSP00000216492	1.35E-04	0.0624	416	0.848
ENSP00000181383	1.97E-04	0.0624	531	0.599
ENSP00000230732	2.58E-05	0.0622	159	0.783
ENSP00000446916	3.07E-05	0.0610	216	0.312
ENSP00000310978	3.01E-05	0.0610	183	0.000
ENSP00000219833	2.75E-05	0.0610	235	0.347
ENSP00000315477	4.80E-05	0.0609	916	0.782
ENSP00000356581	4.92E-05	0.0609	234	0.000
ENSP00000393840	2.06E-05	0.0608	242	0.134
ENSP00000300060	5.46E-05	0.0608	980	0.793
ENSP00000365963	4.87E-05	0.0607	236	0.177
ENSP00000383256	2.09E-05	0.0604	158	0.471
ENSP00000411552	1.03E-04	0.0603	222	0.906
ENSP00000313740	2.68E-05	0.0602	212	0.000
ENSP00000352208	8.16E-05	0.0601	199	0.153
ENSP00000369677	6.04E-05	0.0600	290	0.451
ENSP00000386184	4.49E-05	0.0597	206	0.000
ENSP00000402584	4.72E-05	0.0588	153	0.079
ENSP00000357708	6.31E-05	0.0587	441	0.490
ENSP00000426359	1.75E-05	0.0586	156	0.157
ENSP00000245907	7.00E-05	0.0579	472	0.717
ENSP00000261707	2.68E-05	0.0577	473	0.698
ENSP00000340019	9.17E-05	0.0577	978	0.810
ENSP00000362795	3.72E-05	0.0577	504	0.871
ENSP00000468236	2.65E-05	0.0572	555	0.329
ENSP00000386104	3.65E-05	0.0565	345	0.585
ENSP00000020945	5.16E-05	0.0565	912	0.926
ENSP00000355601	4.41E-05	0.0564	270	0.768
ENSP00000295228	2.41E-05	0.0563	205	0.887
ENSP00000386170	2.88E-05	0.0557	227	0.850
ENSP00000297512	2.79E-05	0.0556	615	0.260

ENSP00000318944	6.45E-05	0.0556	173	0.690
ENSP00000342026	7.72E-05	0.0552	512	0.620
ENSP00000464149	6.25E-05	0.0551	700	0.000
ENSP00000361120	4.49E-05	0.0548	626	0.828
ENSP00000396163	2.74E-05	0.0546	418	0.508
ENSP00000211998	5.36E-05	0.0546	695	0.892
ENSP00000369654	6.00E-05	0.0545	250	0.747
ENSP00000262865	3.56E-05	0.0542	198	0.602
ENSP00000357731	3.17E-05	0.0539	214	0.724
ENSP00000370521	4.23E-05	0.0533	540	0.522
ENSP00000385721	1.09E-04	0.0530	720	0.902
ENSP00000387946	4.33E-05	0.0529	581	0.724
ENSP00000358878	5.03E-05	0.0527	151	0.185
ENSP00000360170	4.77E-05	0.0524	470	0.421
ENSP00000380129	3.81E-05	0.0524	496	0.236
ENSP00000371040	1.85E-05	0.0524	213	0.126
ENSP00000367343	3.76E-05	0.0523	233	0.294
ENSP00000357066	3.62E-05	0.0523	360	0.678
ENSP00000297785	5.50E-05	0.0522	416	0.583
ENSP00000312624	2.88E-05	0.0521	903	0.441
ENSP00000377527	4.76E-05	0.0519	216	0.498
ENSP00000413575	4.53E-05	0.0516	218	0.506
ENSP00000300289	4.84E-05	0.0514	955	0.674
ENSP00000350767	4.49E-05	0.0512	884	0.950
ENSP00000299882	3.78E-05	0.0506	459	0.107
ENSP00000367992	5.20E-05	0.0505	429	0.553
ENSP00000347890	8.71E-05	0.0499	372	0.822
ENSP00000298125	7.20E-05	0.0494	507	0.956
ENSP00000217305	3.94E-05	0.0489	509	0.753
ENSP00000007722	1.46E-04	0.0476	940	0.745
ENSP00000272252	2.76E-05	0.0474	211	0.158
ENSP00000339155	3.89E-05	0.0474	175	0.094
ENSP00000325708	5.70E-05	0.0473	202	0.542
ENSP00000242248	2.41E-05	0.0473	161	0.469
ENSP00000365858	5.18E-05	0.0472	844	0.000
ENSP00000347847	7.02E-05	0.0470	789	0.830
ENSP00000471024	2.77E-05	0.0465	201	0.000
ENSP00000322087	5.19E-05	0.0459	313	0.764
ENSP00000316605	4.28E-05	0.0450	566	0.463
ENSP00000384264	3.85E-05	0.0446	581	0.450
ENSP00000257857	1.01E-04	0.0442	939	0.701
ENSP00000262340	1.40E-04	0.0441	918	0.575
ENSP00000355689	5.84E-05	0.0438	374	0.539
ENSP00000380227	3.89E-05	0.0437	969	0.822
ENSP00000465194	2.49E-05	0.0436	252	0.258
ENSP00000228280	6.87E-05	0.0434	585	0.947

ENSP00000379258	9.84E-05	0.0430	282	0.852
ENSP00000343819	6.80E-05	0.0430	528	0.862
ENSP00000278590	5.40E-05	0.0429	487	0.165
ENSP00000370842	4.22E-05	0.0428	566	0.558
ENSP00000290363	2.86E-04	0.0426	183	0.000
ENSP00000310928	8.87E-05	0.0424	392	0.867
ENSP00000377502	3.70E-05	0.0422	171	0.090
ENSP00000338548	6.65E-05	0.0422	855	0.972
ENSP00000283147	7.09E-05	0.0420	852	0.940
ENSP00000252321	3.49E-05	0.0420	459	0.407
ENSP00000411217	2.03E-05	0.0419	193	0.000
ENSP00000269143	7.32E-05	0.0416	373	0.586
ENSP00000452120	2.86E-05	0.0416	847	0.672
ENSP00000419692	1.15E-04	0.0416	486	0.851
ENSP00000364475	3.58E-05	0.0415	198	0.670
ENSP00000277541	4.87E-05	0.0414	940	0.000
ENSP00000307508	3.76E-05	0.0411	572	0.663
ENSP00000379330	3.68E-05	0.0411	201	0.905
ENSP00000303242	7.31E-05	0.0410	968	0.910
ENSP00000265165	4.42E-05	0.0408	937	0.884
ENSP00000381657	6.09E-05	0.0406	808	0.893
ENSP00000320924	4.19E-05	0.0406	191	0.501
ENSP00000420514	4.01E-05	0.0402	542	0.806
ENSP00000029410	3.94E-05	0.0400	200	0.173
ENSP00000300527	1.82E-04	0.0399	694	0.557
ENSP00000284984	1.27E-04	0.0399	533	0.869
ENSP00000242576	7.24E-05	0.0398	269	0.727
ENSP00000368952	7.71E-05	0.0393	216	0.233
ENSP00000216629	2.38E-05	0.0393	244	0.556
ENSP00000359635	1.08E-04	0.0391	613	0.000
ENSP00000435300	4.52E-05	0.0387	154	0.089
ENSP00000361306	3.64E-05	0.0386	177	0.096
ENSP00000356346	9.18E-05	0.0386	705	0.000
ENSP00000354040	3.85E-05	0.0385	633	0.801
ENSP00000262551	4.55E-05	0.0382	929	0.891
ENSP00000269097	4.77E-05	0.0378	159	0.081
ENSP00000260649	2.04E-05	0.0376	358	0.225
ENSP00000264009	2.13E-05	0.0376	734	0.000
ENSP00000278765	2.20E-05	0.0376	165	0.309
ENSP00000469315	3.51E-05	0.0376	562	0.159
ENSP00000363804	9.62E-05	0.0375	897	0.866
ENSP00000363603	5.25E-05	0.0372	206	0.071
ENSP00000377836	5.76E-05	0.0372	912	0.914
ENSP00000300215	1.02E-04	0.0371	681	0.364
ENSP00000350132	5.24E-05	0.0370	212	0.613
ENSP00000262383	7.22E-05	0.0363	208	0.821

ENSP00000227667	1.08E-04	0.0350	997	0.743
ENSP00000361803	9.46E-05	0.0350	168	0.163
ENSP00000372169	3.49E-05	0.0349	218	0.260
ENSP00000357905	7.43E-05	0.0341	396	0.562
ENSP00000268296	4.83E-05	0.0341	900	0.899
ENSP00000293379	1.05E-04	0.0340	998	0.852
ENSP00000218758	9.15E-05	0.0340	586	0.885
ENSP00000415900	2.30E-05	0.0339	242	0.531
ENSP00000346063	4.34E-05	0.0332	254	0.904
ENSP00000355060	6.24E-05	0.0331	0	0.166
ENSP00000369081	3.63E-05	0.0329	518	0.532
ENSP00000387088	1.29E-04	0.0329	193	0.000
ENSP00000343925	6.91E-05	0.0328	396	0.904
ENSP00000014935	3.86E-04	0.0326	159	0.168
ENSP00000226253	8.86E-05	0.0325	202	0.271
ENSP00000371835	8.72E-05	0.0323	0	0.137
ENSP00000365431	1.16E-04	0.0323	165	0.207
ENSP00000368226	3.65E-05	0.0322	314	0.555
ENSP00000351755	3.20E-05	0.0321	360	0.674
ENSP00000283290	1.10E-04	0.0320	359	0.338
ENSP00000418397	3.31E-05	0.0319	254	0.341
ENSP00000307188	1.18E-04	0.0319	513	0.551
ENSP00000377941	5.76E-05	0.0318	955	0.617
ENSP00000356545	2.93E-05	0.0315	234	0.703
ENSP00000348936	2.44E-05	0.0314	0	0.127
ENSP00000353575	3.41E-05	0.0314	400	0.374
ENSP00000284202	9.87E-05	0.0312	263	0.338
ENSP00000302846	7.87E-05	0.0312	416	0.895
ENSP00000430633	2.00E-05	0.0310	338	0.000
ENSP00000363985	4.72E-05	0.0306	200	0.108
ENSP00000282091	9.00E-05	0.0304	859	0.948
ENSP00000263923	6.06E-05	0.0302	810	0.755
ENSP00000363641	9.02E-05	0.0301	866	0.876
ENSP00000321259	9.48E-05	0.0300	211	0.449
ENSP00000309968	6.93E-05	0.0299	655	0.946
ENSP00000369784	3.10E-05	0.0298	234	0.468
ENSP00000288955	2.49E-05	0.0298	206	0.718
ENSP00000349259	6.65E-05	0.0298	902	0.725
ENSP00000292301	3.08E-05	0.0297	459	0.848
ENSP00000387282	6.86E-05	0.0297	612	0.502
ENSP00000263735	9.54E-05	0.0297	330	0.898
ENSP00000420686	2.84E-05	0.0296	152	0.112
ENSP00000291526	8.67E-05	0.0294	160	0.269
ENSP00000431418	4.45E-05	0.0293	850	0.928
ENSP00000393847	4.04E-05	0.0293	470	0.409
ENSP00000356481	5.13E-05	0.0292	200	0.096

ENSP00000368079	4.54E-05	0.0290	275	0.308
ENSP00000350314	4.19E-05	0.0288	248	0.323
ENSP00000359022	4.34E-05	0.0288	264	0.494
ENSP00000386378	3.02E-05	0.0287	271	0.708
ENSP00000245323	7.08E-05	0.0284	357	0.933
ENSP00000321856	4.25E-05	0.0282	457	0.381
ENSP00000239243	6.07E-05	0.0280	403	0.882
ENSP00000220676	2.68E-05	0.0278	420	0.600
ENSP00000419446	5.12E-05	0.0276	448	0.742
ENSP00000372170	6.61E-05	0.0275	345	0.884
ENSP00000261980	9.40E-05	0.0274	632	0.834
ENSP00000411822	2.60E-05	0.0273	458	0.598
ENSP00000334072	3.82E-05	0.0272	215	0.130
ENSP00000290575	1.33E-04	0.0270	394	0.000
ENSP00000271657	5.32E-05	0.0269	417	0.000
ENSP00000239761	4.77E-05	0.0267	290	0.000
ENSP00000393953	8.13E-05	0.0267	426	0.834
ENSP00000339299	4.37E-05	0.0263	214	0.634
ENSP00000271640	6.18E-05	0.0261	244	0.882
ENSP00000350785	3.51E-05	0.0261	270	0.682
ENSP00000355330	1.43E-04	0.0261	970	0.906
ENSP00000290378	3.30E-05	0.0261	570	0.709
ENSP00000005226	2.33E-05	0.0259	313	0.342
ENSP00000284440	7.31E-05	0.0259	414	0.835
ENSP00000465500	3.71E-05	0.0256	347	0.683
ENSP00000329623	7.95E-05	0.0255	940	0.000
ENSP00000272644	2.32E-05	0.0254	235	0.533
ENSP00000396722	3.14E-05	0.0253	302	0.453
ENSP00000246657	4.66E-05	0.0251	470	0.898
ENSP00000410294	9.08E-05	0.0251	674	0.000
ENSP00000360753	2.72E-05	0.0250	241	0.111
ENSP00000343477	7.68E-05	0.0250	829	0.882
ENSP00000333994	6.76E-05	0.0248	301	0.831
ENSP00000227155	6.63E-05	0.0242	834	0.912
ENSP00000305988	1.59E-04	0.0240	358	0.885
ENSP00000292377	3.38E-05	0.0239	900	0.535
ENSP00000289013	5.53E-05	0.0236	159	0.000
ENSP00000369375	8.89E-05	0.0236	915	0.701
ENSP00000367030	4.63E-05	0.0233	195	0.779
ENSP00000296511	8.70E-05	0.0229	433	0.844
ENSP00000328422	3.18E-05	0.0225	0	0.000
ENSP00000259486	1.01E-04	0.0225	207	0.399
ENSP00000416250	3.05E-05	0.0225	207	0.558
ENSP00000356920	2.82E-05	0.0218	284	0.770
ENSP00000322323	2.23E-05	0.0217	250	0.303
ENSP00000359225	4.70E-05	0.0217	368	0.389

ENSP00000274938	4.17E-05	0.0211	575	0.085
ENSP00000356170	2.91E-05	0.0210	218	0.108
ENSP00000360216	1.26E-04	0.0209	505	0.936
ENSP00000332353	5.70E-05	0.0208	490	0.939
ENSP00000462106	1.74E-06	0.0206	0	0.212
ENSP00000303942	7.26E-05	0.0206	980	0.784
ENSP00000373518	2.46E-05	0.0205	262	0.708
ENSP00000311183	6.67E-05	0.0204	179	0.678
ENSP00000231751	1.05E-04	0.0204	874	0.615
ENSP00000163416	2.34E-05	0.0201	197	0.117
ENSP00000272602	5.18E-05	0.0200	584	0.470
ENSP00000359526	4.94E-05	0.0197	805	0.097
ENSP00000217131	1.35E-04	0.0197	341	0.259
ENSP00000356438	1.18E-04	0.0194	854	0.952
ENSP00000319286	8.09E-05	0.0191	974	0.000
ENSP00000367177	2.25E-05	0.0191	841	0.509
ENSP00000349022	9.48E-05	0.0189	375	0.391
ENSP00000306361	1.32E-04	0.0186	999	0.736
ENSP00000364934	2.91E-05	0.0185	297	0.224
ENSP00000302324	9.91E-05	0.0182	420	0.827
ENSP00000303507	4.50E-05	0.0180	349	0.942
ENSP00000360991	4.30E-05	0.0177	150	0.272
ENSP00000277120	4.99E-05	0.0177	342	0.884
ENSP00000332139	1.19E-04	0.0177	920	0.782
ENSP00000350549	6.11E-05	0.0168	271	0.821
ENSP00000264039	8.66E-05	0.0167	917	0.879
ENSP00000368438	8.52E-05	0.0165	580	0.781
ENSP00000369554	3.52E-05	0.0163	214	0.806
ENSP00000250151	6.71E-05	0.0162	513	0.000
ENSP00000373657	6.35E-05	0.0161	300	0.000
ENSP00000242592	2.15E-05	0.0161	169	0.420
ENSP00000225698	3.34E-05	0.0160	293	0.835
ENSP00000352071	8.54E-05	0.0160	242	0.597
ENSP00000346342	5.70E-05	0.0159	198	0.356
ENSP00000260408	7.19E-05	0.0159	591	0.903
ENSP00000355930	2.43E-05	0.0158	160	0.098
ENSP00000361668	2.82E-05	0.0157	173	0.573
ENSP00000264346	5.96E-05	0.0157	192	0.639
ENSP00000442633	2.30E-05	0.0154	338	0.000
ENSP00000410715	4.19E-05	0.0153	218	0.937
ENSP00000382895	2.62E-05	0.0152	480	0.416
ENSP00000330862	2.72E-05	0.0152	242	0.526
ENSP00000263645	8.00E-05	0.0152	384	0.827
ENSP00000302665	7.82E-05	0.0149	948	0.975
ENSP00000359215	4.22E-05	0.0145	170	0.856
ENSP00000422496	4.73E-05	0.0143	179	0.176



ENSP00000370812	3.36E-05	0.0142	254	0.480
ENSP00000243347	6.98E-05	0.0141	656	0.820
ENSP00000297873	3.41E-05	0.0135	225	0.682
ENSP00000306697	6.91E-05	0.0135	325	0.895
ENSP00000358511	3.13E-05	0.0134	301	0.829
ENSP00000368682	5.82E-05	0.0134	426	0.723
ENSP00000359497	6.36E-05	0.0132	907	0.542
ENSP00000409937	3.33E-06	0.0131	0	0.195
ENSP00000329384	3.25E-05	0.0130	239	0.737
ENSP00000442050	2.91E-05	0.0127	281	0.233
ENSP00000301522	5.10E-05	0.0126	581	0.779
ENSP00000321584	4.53E-05	0.0125	649	0.712
ENSP00000349114	3.42E-05	0.0121	0	0.000
ENSP00000305631	4.30E-05	0.0118	390	0.253
ENSP00000346725	4.78E-05	0.0111	271	0.813
ENSP00000360855	4.70E-05	0.0110	359	0.092
ENSP00000230882	6.27E-05	0.0110	216	0.901
ENSP00000224764	5.73E-05	0.0107	252	0.000
ENSP00000241014	4.11E-05	0.0106	325	0.826
ENSP00000303599	3.43E-05	0.0103	558	0.000
ENSP00000410076	1.10E-04	0.0103	487	0.930
ENSP00000196061	1.12E-04	0.0098	313	0.538
ENSP00000304236	4.06E-05	0.0098	265	0.673
ENSP00000403609	7.66E-07	0.0095	0	0.000
ENSP00000385638	4.79E-05	0.0094	328	0.516
ENSP00000371321	4.70E-05	0.0093	282	0.822
ENSP00000352980	4.54E-05	0.0092	884	0.000
ENSP00000333203	6.87E-05	0.0092	647	0.854
ENSP00000306549	3.53E-05	0.0091	558	0.000
ENSP00000361007	4.78E-05	0.0088	196	0.220
ENSP00000371294	4.84E-05	0.0088	196	0.115
ENSP00000377470	3.51E-05	0.0085	439	0.249
ENSP00000351363	1.60E-03	0.0085	196	0.000
ENSP00000377298	5.18E-05	0.0083	356	0.563
ENSP00000332931	8.38E-05	0.0080	191	0.253
ENSP00000222399	1.27E-04	0.0080	392	0.593
ENSP00000429214	2.60E-05	0.0080	269	0.936
ENSP00000295137	3.20E-05	0.0079	539	0.705
ENSP00000401177	2.30E-05	0.0077	205	0.522
ENSP00000398632	7.78E-05	0.0076	995	0.962
ENSP00000261693	6.02E-05	0.0075	983	0.739
ENSP00000444408	8.35E-05	0.0074	277	0.181
ENSP00000215631	1.01E-04	0.0073	221	0.864
ENSP00000461413	4.22E-05	0.0073	163	0.694
ENSP00000245414	4.87E-05	0.0072	988	0.889
ENSP00000234091	5.95E-05	0.0068	282	0.879

ENSP00000278317	4.38E-05	0.0067	904	0.496
ENSP00000273368	1.09E-04	0.0067	352	0.367
ENSP00000305692	1.06E-04	0.0066	426	0.269
ENSP00000366974	5.42E-05	0.0065	884	0.964
ENSP00000378332	4.06E-05	0.0061	228	0.813
ENSP00000262158	5.58E-05	0.0061	937	0.903
ENSP00000252595	8.70E-05	0.0061	389	0.584
ENSP00000298085	7.64E-05	0.0061	301	0.167
ENSP00000294954	2.23E-05	0.0060	219	0.722
ENSP00000305839	1.16E-04	0.0060	150	0.222
ENSP00000264036	1.00E-04	0.0056	660	0.910
ENSP00000356591	4.35E-05	0.0056	658	0.504
ENSP00000356505	6.71E-05	0.0055	932	0.844
ENSP00000345230	4.06E-05	0.0055	915	0.437
ENSP00000354394	8.71E-05	0.0054	899	0.000
ENSP00000397900	1.89E-05	0.0054	210	0.369
ENSP00000310515	4.51E-05	0.0051	261	0.245
ENSP00000357650	7.68E-05	0.0050	192	0.310
ENSP00000340210	8.59E-05	0.0049	343	0.766
ENSP00000280357	9.06E-05	0.0049	898	0.915
ENSP00000408632	3.92E-05	0.0048	223	0.896
ENSP00000278616	6.37E-05	0.0048	287	0.796
ENSP00000396402	4.72E-05	0.0047	310	0.688
ENSP00000233946	1.25E-04	0.0045	202	0.000
ENSP00000324648	6.17E-05	0.0043	328	0.691
ENSP00000261937	7.15E-05	0.0042	908	0.669
ENSP00000245552	4.96E-05	0.0038	305	0.438
ENSP00000393762	4.84E-05	0.0037	157	0.496
ENSP00000352138	5.87E-05	0.0037	400	0.186
ENSP00000318631	9.61E-05	0.0037	459	0.853
ENSP00000472225	7.53E-06	0.0034	0	0.000
ENSP00000264350	5.57E-05	0.0034	169	0.662
ENSP00000299339	2.99E-05	0.0033	159	0.095
ENSP00000209873	2.36E-04	0.0032	640	0.412
ENSP00000312741	6.44E-05	0.0031	250	0.827
ENSP00000293308	7.84E-05	0.0030	675	0.838
ENSP00000398698	9.24E-05	0.0029	984	0.000
ENSP00000383563	8.88E-05	0.0028	254	0.085
ENSP00000230124	6.73E-05	0.0028	212	0.227
ENSP00000236147	4.75E-05	0.0028	509	0.887
ENSP00000250457	7.23E-05	0.0025	213	0.752
ENSP00000302812	4.90E-05	0.0020	565	0.918
ENSP00000231572	3.58E-05	0.0019	771	0.785
ENSP00000421799	4.16E-05	0.0017	349	0.000
ENSP00000360576	6.10E-05	0.0016	178	0.154
ENSP00000251363	3.62E-05	0.0016	213	0.491

ENSP00000300406	3.31E-05	0.0013	385	0.463
ENSP00000379866	3.65E-05	0.0013	645	0.602
ENSP00000364293	4.52E-05	0.0013	301	0.791
ENSP00000167586	8.07E-05	0.0012	309	0.920
ENSP00000359380	1.15E-04	0.0012	560	0.635
ENSP00000366124	1.09E-04	0.0011	581	0.832
ENSP00000241125	2.09E-04	0.0011	757	0.355
ENSP00000228682	2.88E-05	0.0011	346	0.912
ENSP00000328521	3.83E-05	0.0011	510	0.180
ENSP00000306099	1.18E-04	0.0010	999	0.756
ENSP00000373783	6.10E-05	0.0009	263	0.602
ENSP00000264908	1.49E-04	0.0006	215	0.367
ENSP00000202831	9.23E-05	0.0003	323	0.000
ENSP00000354341	7.66E-05	0.0003	539	0.523
ENSP00000216968	2.80E-04	0.0003	210	0.269
ENSP00000325355	6.55E-05	0.0002	201	0.560
ENSP00000236877	4.00E-05	0.0001	313	0.174
ENSP00000396688	4.48E-05	0.0000	361	0.584
ENSP00000220166	1.21E-04	-0.0001	496	0.333
ENSP00000284601	3.80E-05	-0.0002	161	0.491
ENSP00000354923	8.59E-05	-0.0003	905	0.876
ENSP00000349324	2.65E-05	-0.0004	205	0.586
ENSP00000337949	4.93E-05	-0.0004	359	0.832
ENSP00000246912	1.24E-04	-0.0005	227	0.808
ENSP00000264025	8.18E-05	-0.0005	329	0.803
ENSP00000351642	6.58E-05	-0.0006	0	0.097
ENSP00000357555	4.81E-05	-0.0007	212	0.751
ENSP00000222693	1.30E-04	-0.0008	284	0.764
ENSP00000292823	1.06E-04	-0.0008	420	0.258
ENSP00000327025	3.29E-05	-0.0008	224	0.859
ENSP00000336630	6.24E-05	-0.0017	298	0.784
ENSP00000303394	1.50E-04	-0.0019	873	0.891
ENSP00000361014	4.03E-05	-0.0020	242	0.552
ENSP00000350256	2.13E-05	-0.0020	305	0.655
ENSP00000328674	2.09E-05	-0.0020	152	0.093
ENSP00000252674	3.31E-05	-0.0022	598	0.822
ENSP00000000412	8.52E-05	-0.0022	241	0.346
ENSP00000252137	9.00E-05	-0.0024	249	0.427
ENSP00000409555	3.30E-05	-0.0024	452	0.633
ENSP00000351664	3.40E-05	-0.0026	576	0.491
ENSP00000217423	1.74E-04	-0.0030	581	0.305
ENSP00000350630	5.73E-05	-0.0030	388	0.296
ENSP00000434480	3.29E-05	-0.0030	151	0.141
ENSP00000360217	1.00E-04	-0.0030	416	0.175
ENSP00000353224	8.85E-05	-0.0031	594	0.902
ENSP00000331727	2.27E-05	-0.0033	186	0.116

ENSP00000345096	2.93E-05	-0.0033	511	0.541
ENSP00000379110	4.68E-05	-0.0035	766	0.891
ENSP00000348099	4.44E-05	-0.0037	850	0.870
ENSP00000300408	5.16E-05	-0.0037	434	0.768
ENSP00000230361	3.23E-05	-0.0037	515	0.353
ENSP00000264498	5.84E-05	-0.0038	948	0.000
ENSP00000265361	5.70E-05	-0.0038	151	0.705
ENSP00000356286	3.26E-05	-0.0038	908	0.731
ENSP00000315379	3.73E-05	-0.0041	357	0.753
ENSP00000298295	2.17E-05	-0.0043	191	0.704
ENSP00000343657	3.42E-05	-0.0044	176	0.252
ENSP00000356825	7.05E-05	-0.0048	472	0.702
ENSP00000316786	2.68E-05	-0.0049	216	0.769
ENSP00000284523	3.55E-05	-0.0049	761	0.944
ENSP00000334665	4.11E-05	-0.0050	452	0.335
ENSP00000234371	2.25E-05	-0.0051	280	0.655
ENSP00000356599	5.35E-05	-0.0052	343	0.180
ENSP00000271638	1.74E-04	-0.0053	282	0.436
ENSP00000325713	2.21E-04	-0.0055	0	0.178
ENSP00000260630	6.43E-05	-0.0055	242	0.000
ENSP00000242480	3.30E-05	-0.0058	407	0.868
ENSP00000219271	1.57E-04	-0.0058	995	0.836
ENSP00000295408	3.85E-05	-0.0058	598	0.680
ENSP00000356953	6.88E-05	-0.0059	457	0.843
ENSP00000325905	9.66E-05	-0.0059	361	0.842
ENSP00000287936	4.30E-05	-0.0060	720	0.785
ENSP00000323856	6.72E-05	-0.0060	781	0.538
ENSP00000340292	4.44E-05	-0.0060	833	0.912
ENSP00000321746	3.31E-05	-0.0060	497	0.852
ENSP00000252456	8.37E-05	-0.0061	368	0.722
ENSP00000354476	6.10E-05	-0.0062	581	0.748
ENSP00000368104	9.44E-05	-0.0062	859	0.000
ENSP00000366853	4.22E-05	-0.0064	179	0.000
ENSP00000295666	1.30E-04	-0.0066	757	0.742
ENSP00000343924	6.11E-05	-0.0066	914	0.772
ENSP00000464890	2.02E-05	-0.0066	0	0.404
ENSP00000222573	1.12E-04	-0.0068	814	0.709
ENSP00000308938	1.11E-04	-0.0068	998	0.909
ENSP00000352673	4.54E-05	-0.0068	820	0.869
ENSP00000365651	3.18E-05	-0.0068	197	0.556
ENSP00000362308	4.65E-05	-0.0069	197	0.081
ENSP00000219700	3.75E-05	-0.0070	330	0.912
ENSP00000284987	1.76E-04	-0.0070	560	0.788
ENSP00000275428	1.41E-04	-0.0071	903	0.388
ENSP00000296518	6.70E-05	-0.0073	151	0.436
ENSP00000311997	4.95E-05	-0.0073	377	0.700

ENSP00000369756	2.93E-05	-0.0076	900	0.723
ENSP00000342609	3.35E-05	-0.0077	151	0.106
ENSP00000379616	4.76E-05	-0.0078	814	0.863
ENSP00000225893	2.03E-05	-0.0079	177	0.000
ENSP00000303070	2.90E-05	-0.0079	198	0.134
ENSP00000232219	1.15E-04	-0.0081	910	0.778
ENSP00000358283	4.55E-05	-0.0082	916	0.086
ENSP00000261349	7.59E-05	-0.0083	615	0.928
ENSP00000264487	6.31E-05	-0.0084	778	0.000
ENSP00000253303	4.62E-05	-0.0084	266	0.284
ENSP00000379282	3.51E-05	-0.0085	0	0.186
ENSP00000334052	1.26E-04	-0.0085	506	0.202
ENSP00000216181	2.94E-05	-0.0085	600	0.763
ENSP00000229330	2.53E-05	-0.0085	199	0.692
ENSP00000243349	2.89E-05	-0.0086	239	0.835
ENSP00000356385	3.00E-05	-0.0089	187	0.222
ENSP00000222266	9.11E-05	-0.0090	407	0.647
ENSP00000369634	8.61E-05	-0.0090	574	0.780
ENSP00000265195	7.50E-05	-0.0090	781	0.627
ENSP00000380450	1.84E-05	-0.0092	0	0.059
ENSP00000219789	3.85E-05	-0.0093	340	0.523
ENSP00000216780	5.12E-05	-0.0094	329	0.734
ENSP00000402203	5.40E-07	-0.0094	0	0.000
ENSP00000471397	2.54E-05	-0.0094	201	0.000
ENSP00000367301	1.10E-04	-0.0094	361	0.657
ENSP00000381412	5.23E-05	-0.0097	625	0.677
ENSP00000309503	6.41E-05	-0.0097	927	0.713
ENSP00000166139	1.35E-04	-0.0099	607	0.795
ENSP00000206765	9.07E-05	-0.0102	212	0.726
ENSP00000353915	2.47E-05	-0.0103	806	0.629
ENSP00000262776	1.28E-04	-0.0103	629	0.458
ENSP00000286332	6.63E-05	-0.0104	900	0.000
ENSP00000359285	2.98E-05	-0.0104	864	0.654
ENSP00000325239	2.14E-05	-0.0104	310	0.470
ENSP00000261735	1.70E-04	-0.0105	782	0.291
ENSP00000199280	3.65E-05	-0.0109	310	0.331
ENSP00000314407	1.17E-04	-0.0109	254	0.201
ENSP00000315757	5.04E-05	-0.0109	686	0.531
ENSP00000261769	4.77E-05	-0.0111	976	0.973
ENSP00000390475	3.81E-05	-0.0111	203	0.886
ENSP00000237014	6.36E-05	-0.0112	792	0.913
ENSP00000266085	1.32E-04	-0.0112	989	0.959
ENSP00000324205	1.38E-04	-0.0114	414	0.123
ENSP00000422131	8.10E-05	-0.0114	167	0.133
ENSP00000282470	1.21E-04	-0.0114	224	0.533
ENSP00000421280	4.85E-05	-0.0114	244	0.441

ENSP00000265070	8.04E-05	-0.0115	538	0.651
ENSP00000382513	4.19E-05	-0.0117	158	0.689
ENSP00000347088	9.53E-05	-0.0117	240	0.660
ENSP00000470555	1.68E-05	-0.0118	472	0.192
ENSP00000254801	1.21E-04	-0.0119	608	0.000
ENSP00000291568	6.03E-05	-0.0121	511	0.454
ENSP00000222572	2.14E-04	-0.0121	499	0.416
ENSP00000381293	4.68E-05	-0.0123	396	0.503
ENSP00000410024	8.73E-07	-0.0124	0	0.215
ENSP00000324101	1.30E-04	-0.0126	864	0.646
ENSP00000301634	5.45E-05	-0.0127	215	0.664
ENSP00000386169	1.21E-05	-0.0127	0	0.000
ENSP00000318799	3.45E-05	-0.0128	195	0.805
ENSP00000351947	3.38E-05	-0.0129	264	0.899
ENSP00000367086	5.24E-05	-0.0129	260	0.208
ENSP00000367888	1.98E-05	-0.0132	398	0.487
ENSP00000353731	5.42E-05	-0.0133	827	0.782
ENSP00000358866	3.63E-05	-0.0135	822	0.608
ENSP00000071281	2.18E-04	-0.0136	200	0.629
ENSP00000259953	2.56E-05	-0.0136	345	0.314
ENSP00000320430	2.76E-05	-0.0137	0	0.152
ENSP00000054950	5.16E-05	-0.0139	381	0.348
ENSP00000325146	1.88E-04	-0.0140	911	0.470
ENSP00000428340	7.28E-05	-0.0140	912	0.975
ENSP00000348170	1.49E-04	-0.0141	959	0.807
ENSP00000265171	6.28E-05	-0.0142	915	0.719
ENSP00000357075	9.33E-05	-0.0143	338	0.395
ENSP00000354519	2.80E-05	-0.0145	212	0.153
ENSP00000378957	6.07E-05	-0.0145	905	0.440
ENSP00000364119	3.77E-05	-0.0145	157	0.841
ENSP00000296387	3.37E-05	-0.0146	191	0.096
ENSP00000438284	4.24E-05	-0.0147	511	0.654
ENSP00000244137	2.66E-05	-0.0148	683	0.786
ENSP00000357440	3.69E-05	-0.0149	803	0.000
ENSP00000305056	3.41E-05	-0.0149	550	0.000
ENSP00000361943	2.93E-05	-0.0150	323	0.835
ENSP00000346827	3.02E-05	-0.0152	216	0.299
ENSP00000323588	4.40E-05	-0.0154	492	0.852
ENSP00000234071	6.50E-05	-0.0155	819	0.928
ENSP00000232014	2.66E-05	-0.0156	482	0.836
ENSP00000328169	5.27E-05	-0.0157	216	0.904
ENSP00000392513	6.32E-05	-0.0158	201	0.196
ENSP00000451112	3.49E-05	-0.0158	394	0.376
ENSP00000237612	3.85E-05	-0.0158	349	0.840
ENSP00000261623	1.20E-04	-0.0161	944	0.844
ENSP00000304447	6.99E-05	-0.0161	292	0.874

ENSP00000402855	1.80E-05	-0.0162	209	0.115
ENSP00000280362	7.23E-05	-0.0163	211	0.740
ENSP00000301974	7.37E-05	-0.0164	927	0.755
ENSP00000376322	3.28E-05	-0.0164	200	0.866
ENSP00000335153	7.40E-05	-0.0164	992	0.848
ENSP00000286713	9.11E-05	-0.0164	203	0.416
ENSP00000359485	5.77E-05	-0.0165	403	0.180
ENSP00000225728	7.42E-05	-0.0167	281	0.730
ENSP00000274341	1.17E-04	-0.0167	628	0.523
ENSP00000295206	3.16E-05	-0.0168	504	0.866
ENSP00000298171	5.83E-05	-0.0168	600	0.759
ENSP00000296946	1.91E-05	-0.0169	273	0.856
ENSP00000215773	1.09E-04	-0.0170	282	0.831
ENSP00000274793	8.86E-05	-0.0170	501	0.418
ENSP00000406955	4.64E-05	-0.0172	242	0.718
ENSP00000267082	7.07E-05	-0.0172	967	0.809
ENSP00000241052	2.94E-05	-0.0173	641	0.683
ENSP00000367208	4.05E-05	-0.0176	847	0.323
ENSP00000440698	5.21E-05	-0.0176	480	0.378
ENSP00000260356	7.57E-05	-0.0177	997	0.971
ENSP00000279022	3.57E-05	-0.0178	463	0.660
ENSP00000301873	2.35E-04	-0.0178	454	0.451
ENSP00000252660	6.10E-05	-0.0178	181	0.165
ENSP00000262269	3.75E-05	-0.0179	752	0.928
ENSP00000254079	6.98E-05	-0.0181	226	0.714
ENSP00000290401	1.35E-04	-0.0181	462	0.412
ENSP00000405222	2.07E-05	-0.0181	156	0.136
ENSP00000327246	2.79E-05	-0.0181	429	0.666
ENSP00000349960	6.67E-05	-0.0182	648	0.000
ENSP00000304283	4.77E-05	-0.0183	910	0.759
ENSP00000383517	6.31E-07	-0.0183	0	0.000
ENSP00000242786	9.77E-05	-0.0183	301	0.000
ENSP00000373674	2.71E-05	-0.0186	282	0.189
ENSP00000264896	7.46E-05	-0.0187	414	0.473
ENSP00000361536	4.02E-05	-0.0187	157	0.326
ENSP00000234198	4.55E-05	-0.0188	282	0.869
ENSP00000217182	2.41E-05	-0.0189	349	0.763
ENSP00000313886	3.06E-05	-0.0189	168	0.000
ENSP00000377545	2.60E-05	-0.0189	313	0.176
ENSP00000417235	2.52E-05	-0.0189	370	0.558
ENSP00000301490	2.13E-05	-0.0190	195	0.261
ENSP00000234170	5.05E-05	-0.0190	405	0.876
ENSP00000363506	4.18E-05	-0.0191	297	0.000
ENSP00000263321	3.59E-05	-0.0191	349	0.909
ENSP00000354238	3.29E-05	-0.0191	301	0.440
ENSP00000262623	3.04E-05	-0.0192	634	0.680

ENSP00000227495	1.08E-04	-0.0195	900	0.158
ENSP00000333664	7.54E-05	-0.0195	309	0.445
ENSP00000350024	2.99E-05	-0.0195	197	0.112
ENSP00000216951	7.66E-05	-0.0197	922	0.407
ENSP00000269260	3.00E-05	-0.0199	930	0.000
ENSP00000318977	3.38E-05	-0.0199	565	0.747
ENSP00000308815	4.27E-05	-0.0199	501	0.770
ENSP00000375067	9.16E-05	-0.0200	576	0.237
ENSP00000405926	7.91E-05	-0.0200	204	0.163
ENSP00000336666	9.10E-05	-0.0200	175	0.210
ENSP00000345464	4.28E-05	-0.0202	585	0.491
ENSP00000168216	4.45E-05	-0.0202	170	0.181
ENSP00000434442	4.67E-05	-0.0202	203	0.189
ENSP00000410943	4.29E-05	-0.0204	153	0.000
ENSP00000246635	2.21E-04	-0.0204	193	0.137
ENSP00000337040	3.38E-05	-0.0205	418	0.414
ENSP00000252999	9.87E-05	-0.0206	220	0.547
ENSP00000269886	3.03E-05	-0.0207	720	0.753
ENSP00000296464	3.17E-05	-0.0207	515	0.760
ENSP00000370997	8.21E-07	-0.0208	0	0.214
ENSP00000415452	2.17E-05	-0.0208	154	0.000
ENSP00000376652	4.95E-05	-0.0208	323	0.415
ENSP00000386284	9.60E-05	-0.0209	567	0.302
ENSP00000265394	5.17E-05	-0.0210	351	0.146
ENSP00000025008	6.27E-05	-0.0211	308	0.633
ENSP00000387662	7.63E-05	-0.0213	472	0.916
ENSP00000244364	4.60E-05	-0.0213	309	0.593
ENSP00000302895	4.82E-05	-0.0214	311	0.286
ENSP00000354526	5.19E-05	-0.0214	181	0.597
ENSP00000460682	3.20E-05	-0.0216	398	0.000
ENSP00000379086	2.76E-05	-0.0216	312	0.520
ENSP00000316333	6.32E-05	-0.0217	288	0.592
ENSP00000262626	8.52E-05	-0.0217	210	0.448
ENSP00000302486	6.36E-05	-0.0217	377	0.657
ENSP00000005558	1.09E-04	-0.0217	321	0.507
ENSP00000292401	1.11E-04	-0.0218	176	0.396
ENSP00000364163	7.91E-05	-0.0220	451	0.923
ENSP00000285930	4.90E-05	-0.0221	364	0.483
ENSP00000333950	2.68E-05	-0.0221	193	0.756
ENSP00000456648	3.27E-05	-0.0223	584	0.113
ENSP00000302088	8.72E-05	-0.0224	274	0.212
ENSP00000359484	6.08E-05	-0.0225	168	0.213
ENSP00000261254	4.71E-05	-0.0227	564	0.890
ENSP00000355988	2.86E-05	-0.0228	900	0.845
ENSP00000264657	4.39E-05	-0.0229	989	0.000
ENSP00000358202	2.34E-05	-0.0231	238	0.000



ENSP00000456163	2.16E-05	-0.0231	159	0.000
ENSP00000229277	2.29E-05	-0.0231	488	0.732
ENSP00000064724	3.77E-05	-0.0231	301	0.505
ENSP00000228918	7.76E-05	-0.0232	235	0.842
ENSP00000339824	3.87E-05	-0.0232	665	0.701
ENSP00000262406	7.61E-05	-0.0233	416	0.433
ENSP00000357392	4.57E-05	-0.0234	264	0.860
ENSP00000177694	3.24E-05	-0.0234	266	0.904
ENSP00000352264	3.51E-05	-0.0235	457	0.776
ENSP00000338606	6.70E-05	-0.0235	472	0.677
ENSP00000266066	3.33E-05	-0.0235	239	0.892
ENSP00000264552	2.93E-05	-0.0235	224	0.721
ENSP00000241453	2.26E-05	-0.0237	345	0.691
ENSP00000314620	1.43E-04	-0.0238	778	0.601
ENSP00000268097	2.01E-05	-0.0238	379	0.301
ENSP00000339027	4.25E-05	-0.0239	497	0.861
ENSP00000312652	6.36E-05	-0.0239	937	0.957
ENSP00000264568	6.18E-05	-0.0239	202	0.899
ENSP00000356713	4.32E-05	-0.0240	356	0.871
ENSP00000263093	8.02E-05	-0.0240	283	0.426
ENSP00000352510	4.21E-05	-0.0240	221	0.108
ENSP00000176763	4.73E-04	-0.0240	191	0.216
ENSP00000421736	6.82E-06	-0.0240	0	0.120
ENSP00000241261	3.43E-05	-0.0241	836	0.905
ENSP00000300456	7.71E-05	-0.0241	336	0.499
ENSP00000219782	3.57E-05	-0.0242	865	0.860
ENSP00000341828	4.00E-05	-0.0242	208	0.345
ENSP00000287934	5.02E-05	-0.0243	357	0.960
ENSP00000368439	2.77E-05	-0.0243	420	0.183
ENSP00000322421	6.58E-05	-0.0243	603	0.500
ENSP00000317272	5.64E-05	-0.0244	839	0.720
ENSP00000307280	4.23E-05	-0.0244	906	0.481
ENSP00000414303	7.73E-05	-0.0245	889	0.937
ENSP00000296370	7.60E-05	-0.0245	211	0.583
ENSP00000337255	3.18E-05	-0.0246	192	0.275
ENSP00000321049	5.90E-05	-0.0246	378	0.681
ENSP00000244458	5.47E-05	-0.0247	183	0.369
ENSP00000269141	7.59E-05	-0.0247	990	0.958
ENSP00000298687	2.68E-05	-0.0248	240	0.181
ENSP00000170630	5.39E-05	-0.0248	357	0.855
ENSP00000254066	3.53E-05	-0.0248	829	0.873
ENSP00000264265	2.41E-05	-0.0249	351	0.519
ENSP00000265029	2.23E-04	-0.0252	196	0.447
ENSP00000248923	4.57E-05	-0.0255	932	0.909
ENSP00000305682	3.38E-05	-0.0257	405	0.691
ENSP00000412673	3.25E-05	-0.0257	167	0.330

ENSP00000358994	4.31E-05	-0.0257	258	0.593
ENSP00000276914	6.21E-05	-0.0258	589	0.565
ENSP00000361290	4.16E-05	-0.0258	639	0.456
ENSP00000274353	2.34E-05	-0.0258	235	0.250
ENSP00000229239	2.10E-05	-0.0259	823	0.000
ENSP00000324122	3.47E-05	-0.0260	543	0.942
ENSP00000271588	1.01E-04	-0.0261	359	0.467
ENSP00000362409	4.86E-05	-0.0261	213	0.642
ENSP00000436691	6.66E-05	-0.0261	216	0.709
ENSP00000257527	1.20E-04	-0.0262	301	0.481
ENSP00000388519	7.06E-07	-0.0262	0	0.000
ENSP00000248114	3.61E-05	-0.0262	292	0.422
ENSP00000252971	5.08E-05	-0.0263	479	0.879
ENSP00000384432	3.14E-05	-0.0265	472	0.472
ENSP00000453302	2.48E-05	-0.0266	732	0.386
ENSP00000245451	4.90E-05	-0.0269	889	0.000
ENSP00000229270	3.17E-05	-0.0269	564	0.610
ENSP00000367528	2.46E-05	-0.0270	266	0.153
ENSP00000260950	4.34E-05	-0.0271	220	0.915
ENSP00000355890	4.85E-05	-0.0271	558	0.767
ENSP00000329468	4.62E-05	-0.0271	168	0.212
ENSP00000355996	6.61E-05	-0.0271	192	0.148
ENSP00000362465	7.03E-05	-0.0273	0	0.065
ENSP00000403649	2.15E-05	-0.0273	203	0.647
ENSP00000230431	5.98E-05	-0.0273	329	0.369
ENSP00000373261	2.83E-05	-0.0273	242	0.089
ENSP00000356814	4.34E-05	-0.0274	403	0.166
ENSP00000310596	4.24E-05	-0.0274	301	0.783
ENSP00000263036	6.32E-05	-0.0274	284	0.710
ENSP00000348888	2.23E-05	-0.0275	198	0.393
ENSP00000327191	4.33E-05	-0.0275	605	0.739
ENSP00000348842	5.53E-05	-0.0276	406	0.536
ENSP00000364016	3.15E-05	-0.0276	254	0.344
ENSP00000225402	2.88E-05	-0.0277	250	0.000
ENSP00000316746	3.15E-05	-0.0278	0	0.000
ENSP00000254584	6.90E-05	-0.0278	457	0.443
ENSP00000265986	5.52E-05	-0.0278	631	0.666
ENSP00000262304	4.57E-05	-0.0278	654	0.791
ENSP00000362777	3.23E-05	-0.0278	476	0.811
ENSP00000284240	5.78E-05	-0.0279	507	0.844
ENSP00000299299	9.71E-05	-0.0279	401	0.214
ENSP00000357442	2.85E-05	-0.0279	191	0.604
ENSP00000264553	6.63E-05	-0.0279	208	0.532
ENSP00000264005	4.12E-05	-0.0279	925	0.449
ENSP00000350894	1.69E-04	-0.0280	776	0.791
ENSP00000258743	4.14E-05	-0.0280	949	0.000

ENSP00000370748	4.44E-05	-0.0281	222	0.373
ENSP00000325120	7.58E-05	-0.0282	854	0.907
ENSP00000359490	5.24E-05	-0.0282	403	0.128
ENSP00000247470	6.63E-05	-0.0283	330	0.771
ENSP00000370543	2.98E-05	-0.0284	230	0.206
ENSP00000322276	2.93E-05	-0.0284	198	0.131
ENSP00000394932	8.61E-05	-0.0285	455	0.000
ENSP00000367527	2.38E-05	-0.0285	153	0.638
ENSP00000061240	1.17E-04	-0.0285	407	0.573
ENSP00000305651	3.12E-05	-0.0286	472	0.859
ENSP00000307940	3.32E-05	-0.0286	666	0.841
ENSP00000358490	3.70E-05	-0.0286	360	0.849
ENSP00000394869	2.43E-05	-0.0287	493	0.556
ENSP00000346916	4.38E-05	-0.0288	154	0.232
ENSP00000005995	1.22E-04	-0.0289	198	0.234
ENSP00000297373	2.65E-05	-0.0289	0	0.280
ENSP00000274056	9.21E-05	-0.0290	576	0.279
ENSP00000349593	1.99E-05	-0.0290	0	0.000
ENSP00000371905	7.20E-05	-0.0291	0	0.078
ENSP00000298139	3.03E-05	-0.0291	305	0.787
ENSP00000289081	5.16E-05	-0.0291	424	0.687
ENSP00000335371	1.54E-04	-0.0291	328	0.128
ENSP00000348385	2.93E-05	-0.0293	527	0.672
ENSP00000343282	4.73E-05	-0.0294	883	0.000
ENSP00000260197	4.87E-05	-0.0294	834	0.325
ENSP00000303208	3.59E-05	-0.0295	585	0.454
ENSP00000282728	3.80E-05	-0.0295	265	0.860
ENSP00000248272	1.34E-04	-0.0296	681	0.000
ENSP00000367449	1.76E-05	-0.0296	0	0.000
ENSP00000260129	1.15E-04	-0.0297	900	0.733
ENSP00000205061	1.16E-04	-0.0299	282	0.378
ENSP00000295522	6.30E-05	-0.0300	221	0.607
ENSP00000289228	2.77E-05	-0.0300	449	0.694
ENSP00000268251	2.05E-05	-0.0301	215	0.111
ENSP00000278070	7.33E-05	-0.0301	181	0.746
ENSP00000419027	4.06E-05	-0.0301	223	0.298
ENSP00000372025	1.06E-04	-0.0302	587	0.948
ENSP00000020673	6.13E-05	-0.0302	290	0.227
ENSP00000317780	3.88E-05	-0.0303	563	0.382
ENSP00000363081	7.32E-05	-0.0303	787	0.958
ENSP00000360560	3.92E-05	-0.0304	192	0.686
ENSP00000339740	7.04E-05	-0.0306	576	0.600
ENSP00000379964	2.77E-05	-0.0307	163	0.534
ENSP00000293829	2.59E-05	-0.0307	152	0.903
ENSP00000270349	2.68E-05	-0.0308	414	0.723
ENSP00000357674	3.89E-05	-0.0309	153	0.149

ENSP00000304350	3.73E-05	-0.0310	472	0.891
ENSP00000327801	4.19E-05	-0.0311	961	0.759
ENSP00000225737	2.69E-05	-0.0311	271	0.228
ENSP00000231790	2.67E-05	-0.0312	509	0.761
ENSP00000221452	4.29E-05	-0.0314	408	0.865
ENSP00000317379	1.10E-04	-0.0314	407	0.650
ENSP00000284981	5.01E-05	-0.0314	994	0.936
ENSP00000324884	4.54E-05	-0.0315	325	0.841
ENSP00000298545	2.28E-05	-0.0315	200	0.403
ENSP00000244289	5.67E-05	-0.0315	213	0.358
ENSP00000251595	6.00E-05	-0.0315	226	0.438
ENSP00000225614	3.34E-05	-0.0316	476	0.367
ENSP00000249389	1.82E-04	-0.0316	922	0.592
ENSP00000330032	7.27E-05	-0.0318	583	0.354
ENSP00000267814	7.11E-05	-0.0318	227	0.353
ENSP00000320084	1.19E-04	-0.0318	198	0.517
ENSP00000220325	1.16E-04	-0.0319	212	0.148
ENSP00000382274	2.64E-05	-0.0319	214	0.137
ENSP00000348019	2.99E-05	-0.0319	235	0.542
ENSP00000343782	3.34E-05	-0.0319	282	0.602
ENSP00000363168	4.82E-05	-0.0319	154	0.212
ENSP00000310935	3.20E-05	-0.0319	444	0.735
ENSP00000291294	8.71E-05	-0.0320	472	0.682
ENSP00000300692	6.38E-05	-0.0320	163	0.692
ENSP00000299162	2.46E-05	-0.0320	281	0.000
ENSP00000320754	3.29E-05	-0.0320	152	0.000
ENSP00000219431	6.27E-05	-0.0320	235	0.219
ENSP00000469799	4.00E-07	-0.0320	0	0.000
ENSP00000290200	6.87E-05	-0.0321	197	0.763
ENSP00000363208	4.96E-05	-0.0321	154	0.000
ENSP00000370713	4.56E-05	-0.0321	198	0.269
ENSP00000246069	2.59E-05	-0.0321	362	0.580
ENSP00000450527	3.55E-05	-0.0321	239	0.852
ENSP00000388241	3.61E-05	-0.0322	159	0.189
ENSP00000264167	3.97E-05	-0.0322	343	0.223
ENSP00000337838	4.30E-05	-0.0323	203	0.760
ENSP00000252945	4.77E-05	-0.0324	300	0.588
ENSP00000268171	4.00E-05	-0.0324	814	0.639
ENSP00000251241	4.03E-05	-0.0324	306	0.915
ENSP00000039007	2.16E-05	-0.0324	348	0.531
ENSP00000252242	4.05E-05	-0.0325	210	0.885
ENSP00000296181	5.65E-05	-0.0326	845	0.748
ENSP00000261313	4.48E-05	-0.0326	211	0.676
ENSP00000408342	4.45E-05	-0.0326	156	0.104
ENSP00000292494	1.10E-04	-0.0327	301	0.203
ENSP00000295640	4.78E-05	-0.0327	594	0.405

ENSP00000263094	6.65E-05	-0.0328	563	0.241
ENSP00000348471	2.89E-05	-0.0328	565	0.115
ENSP00000364731	1.25E-04	-0.0328	963	0.875
ENSP00000367316	2.65E-05	-0.0329	961	0.541
ENSP00000363873	8.81E-06	-0.0330	0	0.120
ENSP00000330523	1.49E-04	-0.0331	810	0.223
ENSP00000297848	4.09E-05	-0.0331	918	0.790
ENSP00000376855	4.86E-05	-0.0332	296	0.153
ENSP00000298556	4.41E-05	-0.0332	293	0.689
ENSP00000437781	4.02E-07	-0.0332	0	0.000
ENSP00000282903	6.81E-05	-0.0333	212	0.256
ENSP00000337724	4.67E-05	-0.0333	282	0.736
ENSP00000300026	5.69E-05	-0.0333	946	0.377
ENSP00000353920	4.43E-05	-0.0333	381	0.240
ENSP00000229319	2.65E-05	-0.0334	427	0.605
ENSP00000326324	1.11E-04	-0.0334	0	0.136
ENSP00000295057	4.61E-05	-0.0336	0	0.663
ENSP00000366797	3.40E-05	-0.0336	360	0.319
ENSP00000261558	3.41E-05	-0.0336	240	0.403
ENSP00000245206	4.70E-05	-0.0336	862	0.424
ENSP00000357917	5.36E-05	-0.0336	190	0.093
ENSP00000304915	1.38E-04	-0.0336	954	0.890
ENSP00000318197	2.83E-05	-0.0337	260	0.573
ENSP00000377372	3.60E-05	-0.0337	267	0.814
ENSP00000384259	4.18E-05	-0.0337	169	0.202
ENSP00000238682	1.01E-04	-0.0338	937	0.949
ENSP00000338769	5.61E-05	-0.0340	242	0.311
ENSP00000422753	8.10E-05	-0.0340	877	0.961
ENSP00000278856	4.69E-05	-0.0341	199	0.842
ENSP00000293371	7.37E-05	-0.0342	217	0.358
ENSP00000299402	3.90E-05	-0.0342	499	0.863
ENSP00000293255	2.39E-05	-0.0342	601	0.654
ENSP00000306185	4.29E-05	-0.0342	390	0.825
ENSP00000297579	4.39E-05	-0.0342	0	0.846
ENSP00000419485	1.56E-05	-0.0342	156	0.580
ENSP00000401310	1.37E-05	-0.0343	0	0.115
ENSP00000359910	5.18E-05	-0.0343	357	0.622
ENSP00000252593	9.42E-05	-0.0344	742	0.513
ENSP00000217893	3.88E-05	-0.0344	234	0.819
ENSP00000256509	6.61E-05	-0.0345	323	0.900
ENSP00000348163	3.05E-05	-0.0345	638	0.526
ENSP00000417711	8.42E-07	-0.0345	0	0.203
ENSP00000415034	2.76E-05	-0.0345	560	0.227
ENSP00000304592	1.02E-04	-0.0345	580	0.757
ENSP00000329243	6.04E-05	-0.0346	242	0.683
ENSP00000222800	4.63E-05	-0.0346	165	0.081

ENSP00000273783	6.02E-05	-0.0347	485	0.389
ENSP00000230538	7.64E-05	-0.0347	242	0.464
ENSP00000186436	1.05E-04	-0.0349	266	0.216
ENSP00000262477	5.08E-05	-0.0351	336	0.000
ENSP00000399968	7.69E-05	-0.0352	900	0.825
ENSP00000275162	7.99E-05	-0.0353	361	0.520
ENSP00000335612	2.90E-05	-0.0353	153	0.640
ENSP00000243213	1.18E-04	-0.0353	0	0.112
ENSP00000367123	3.74E-05	-0.0353	420	0.744
ENSP00000228027	5.26E-05	-0.0354	343	0.580
ENSP00000352936	3.92E-05	-0.0354	670	0.647
ENSP00000361867	3.50E-05	-0.0354	254	0.344
ENSP00000324742	1.20E-04	-0.0355	304	0.792
ENSP00000222598	3.94E-05	-0.0355	297	0.883
ENSP00000436786	3.75E-05	-0.0355	281	0.000
ENSP00000326305	8.98E-05	-0.0355	260	0.376
ENSP00000263598	1.23E-04	-0.0355	215	0.254
ENSP00000413572	4.36E-05	-0.0356	325	0.752
ENSP00000280187	7.18E-05	-0.0356	162	0.084
ENSP00000255078	2.01E-05	-0.0356	157	0.764
ENSP00000078445	2.13E-05	-0.0357	472	0.528
ENSP00000224140	4.71E-05	-0.0358	384	0.762
ENSP00000276202	9.25E-05	-0.0359	214	0.267
ENSP00000311905	2.71E-04	-0.0359	216	0.382
ENSP00000357130	3.99E-05	-0.0360	999	0.000
ENSP00000010404	6.51E-05	-0.0360	198	0.552
ENSP00000301776	1.31E-04	-0.0360	249	0.110
ENSP00000257915	3.03E-05	-0.0360	808	0.767
ENSP00000215904	2.64E-05	-0.0361	359	0.493
ENSP00000383900	3.14E-05	-0.0361	390	0.323
ENSP00000363779	4.39E-05	-0.0362	284	0.687
ENSP00000363193	2.20E-05	-0.0363	254	0.790
ENSP00000256398	2.84E-05	-0.0363	311	0.819
ENSP00000231420	3.71E-05	-0.0364	160	0.083
ENSP00000216252	3.67E-05	-0.0365	302	0.690
ENSP00000307607	6.96E-05	-0.0365	193	0.187
ENSP00000317674	2.39E-05	-0.0365	465	0.466
ENSP00000223095	5.36E-05	-0.0365	980	0.979
ENSP00000219070	4.89E-05	-0.0366	998	0.991
ENSP00000260570	5.50E-05	-0.0367	201	0.287
ENSP00000366081	1.29E-07	-0.0367	0	0.000
ENSP00000225964	7.68E-05	-0.0368	957	0.970
ENSP00000278742	7.23E-05	-0.0369	750	0.432
ENSP00000204679	9.20E-05	-0.0371	374	0.276
ENSP00000459028	3.51E-06	-0.0371	0	0.157
ENSP00000312987	9.59E-05	-0.0371	723	0.889

ENSP00000221957	1.54E-04	-0.0372	178	0.188
ENSP00000263043	2.06E-05	-0.0372	286	0.721
ENSP00000306512	5.94E-05	-0.0373	977	0.000
ENSP00000221166	6.89E-05	-0.0373	650	0.643
ENSP00000338358	5.02E-05	-0.0374	286	0.652
ENSP00000301061	3.93E-05	-0.0374	836	0.889
ENSP00000373610	2.55E-05	-0.0374	159	0.112
ENSP00000363207	4.68E-05	-0.0375	154	0.226
ENSP00000318472	5.77E-05	-0.0376	962	0.944
ENSP00000328570	2.67E-05	-0.0377	221	0.206
ENSP00000273063	5.24E-05	-0.0377	535	0.464
ENSP00000357811	8.27E-06	-0.0378	0	0.222
ENSP00000240488	5.84E-05	-0.0379	307	0.340
ENSP00000262186	3.92E-05	-0.0381	195	0.561
ENSP00000261479	3.76E-05	-0.0381	374	0.614
ENSP00000262290	4.40E-05	-0.0381	435	0.575
ENSP00000354558	6.31E-05	-0.0381	549	0.892
ENSP00000327890	2.20E-05	-0.0382	209	0.834
ENSP00000297157	5.38E-05	-0.0383	472	0.416
ENSP00000281092	3.75E-05	-0.0383	258	0.744
ENSP00000282957	4.08E-05	-0.0384	237	0.447
ENSP00000311733	3.66E-05	-0.0384	193	0.375
ENSP00000258484	7.11E-05	-0.0384	295	0.870
ENSP00000381150	8.35E-06	-0.0384	0	0.159
ENSP00000318687	3.32E-05	-0.0384	553	0.804
ENSP00000276431	4.61E-05	-0.0384	258	0.817
ENSP00000346067	3.46E-05	-0.0385	812	0.768
ENSP00000278888	7.70E-05	-0.0386	197	0.698
ENSP00000381250	1.48E-05	-0.0386	407	0.342
ENSP00000311290	2.83E-05	-0.0387	570	0.818
ENSP00000253332	8.42E-05	-0.0388	828	0.626
ENSP00000368199	2.43E-05	-0.0388	163	0.128
ENSP00000293217	4.48E-05	-0.0388	244	0.549
ENSP00000294338	4.85E-05	-0.0388	196	0.362
ENSP00000233156	1.02E-04	-0.0388	720	0.737
ENSP00000310448	4.77E-05	-0.0389	592	0.830
ENSP00000269445	8.69E-05	-0.0389	181	0.575
ENSP00000253496	3.55E-05	-0.0389	246	0.546
ENSP00000365812	2.48E-05	-0.0390	196	0.000
ENSP00000346012	3.41E-05	-0.0390	151	0.802
ENSP00000304311	1.02E-04	-0.0391	602	0.631
ENSP00000274276	7.76E-05	-0.0391	321	0.753
ENSP00000306100	8.56E-05	-0.0391	351	0.476
ENSP00000261590	7.58E-05	-0.0392	183	0.562
ENSP00000263121	3.51E-05	-0.0393	330	0.835
ENSP00000366746	4.08E-05	-0.0393	161	0.297

ENSP00000250971	2.62E-05	-0.0394	926	0.000
ENSP00000272430	8.29E-05	-0.0394	181	0.743
ENSP00000222254	8.13E-05	-0.0394	193	0.813
ENSP00000388910	1.94E-05	-0.0394	815	0.856
ENSP00000308720	6.07E-05	-0.0395	389	0.402
ENSP00000279242	3.51E-05	-0.0395	345	0.342
ENSP00000310226	3.33E-05	-0.0396	404	0.243
ENSP00000296474	3.58E-05	-0.0396	199	0.901
ENSP00000326737	2.05E-04	-0.0396	239	0.417
ENSP00000376150	3.85E-05	-0.0396	165	0.178
ENSP00000319814	4.57E-05	-0.0397	357	0.670
ENSP00000355537	4.34E-05	-0.0397	915	0.643
ENSP00000295688	5.08E-05	-0.0397	786	0.757
ENSP00000313875	1.10E-04	-0.0397	227	0.561
ENSP00000254037	2.15E-05	-0.0397	297	0.920
ENSP00000360266	8.72E-05	-0.0398	996	0.000
ENSP00000295704	1.83E-04	-0.0398	165	0.225
ENSP00000276198	2.56E-05	-0.0398	175	0.622
ENSP00000322956	5.80E-04	-0.0399	900	0.224
ENSP00000472724	1.65E-06	-0.0399	0	0.000
ENSP00000307077	1.34E-04	-0.0400	452	0.353
ENSP00000235382	3.07E-05	-0.0400	221	0.795
ENSP00000313021	4.38E-05	-0.0400	167	0.426
ENSP00000325506	5.60E-05	-0.0400	361	0.514
ENSP00000272771	8.12E-05	-0.0401	309	0.512
ENSP00000228476	3.09E-05	-0.0401	209	0.321
ENSP00000199708	7.10E-05	-0.0401	211	0.182
ENSP00000338934	7.13E-05	-0.0401	935	0.874
ENSP00000313921	7.48E-05	-0.0401	234	0.133
ENSP00000265131	9.75E-05	-0.0403	915	0.957
ENSP00000164227	2.26E-05	-0.0403	220	0.861
ENSP00000370288	3.48E-05	-0.0403	264	0.000
ENSP00000267842	7.32E-05	-0.0403	329	0.509
ENSP00000262262	5.89E-05	-0.0403	284	0.729
ENSP00000312134	2.35E-04	-0.0403	150	0.111
ENSP00000363827	8.66E-05	-0.0404	989	0.917
ENSP00000219473	3.28E-05	-0.0405	319	0.728
ENSP00000417404	4.08E-05	-0.0405	570	0.826
ENSP00000323901	4.83E-05	-0.0405	219	0.933
ENSP00000256592	3.31E-05	-0.0406	163	0.656
ENSP00000366095	1.14E-05	-0.0406	0	0.100
ENSP00000253719	5.90E-05	-0.0406	314	0.142
ENSP00000387123	3.43E-05	-0.0407	224	0.268
ENSP00000220764	2.57E-05	-0.0407	929	0.882
ENSP00000297261	6.48E-05	-0.0407	514	0.000
ENSP00000263087	4.02E-05	-0.0408	242	0.883



ENSP00000349156	3.97E-05	-0.0408	343	0.806
ENSP00000263088	2.89E-05	-0.0408	547	0.627
ENSP00000316664	1.09E-04	-0.0409	177	0.166
ENSP00000354791	2.68E-05	-0.0409	576	0.301
ENSP00000293330	2.77E-05	-0.0409	163	0.769
ENSP00000233146	2.63E-05	-0.0410	337	0.773
ENSP00000215793	3.74E-05	-0.0410	331	0.813
ENSP00000263409	6.02E-05	-0.0410	194	0.847
ENSP00000450980	6.12E-05	-0.0410	193	0.301
ENSP00000379290	1.65E-05	-0.0411	0	0.097
ENSP00000226382	3.89E-05	-0.0411	196	0.806
ENSP00000309649	1.09E-04	-0.0411	188	0.126
ENSP00000264059	7.20E-05	-0.0411	403	0.177
ENSP00000365261	1.06E-06	-0.0412	0	0.210
ENSP00000362401	3.02E-05	-0.0412	288	0.560
ENSP00000384193	2.71E-05	-0.0412	150	0.114
ENSP00000302830	4.37E-05	-0.0413	330	0.511
ENSP00000245185	8.10E-05	-0.0413	900	0.308
ENSP00000368683	6.75E-05	-0.0413	941	0.961
ENSP00000466775	2.85E-05	-0.0414	983	0.401
ENSP00000290902	1.27E-04	-0.0414	206	0.169
ENSP00000062104	1.27E-04	-0.0414	167	0.279
ENSP00000342033	4.12E-05	-0.0415	941	0.000
ENSP00000415528	2.01E-07	-0.0415	0	0.213
ENSP00000362435	3.46E-04	-0.0415	0	0.183
ENSP00000288135	4.01E-05	-0.0415	569	0.000
ENSP00000263867	8.23E-05	-0.0415	309	0.332
ENSP00000270586	4.45E-05	-0.0417	799	0.511
ENSP00000284322	2.63E-04	-0.0417	150	0.089
ENSP00000265512	3.61E-05	-0.0417	422	0.296
ENSP00000262919	8.91E-05	-0.0417	159	0.116
ENSP00000309439	5.69E-05	-0.0418	271	0.805
ENSP00000299872	8.67E-05	-0.0418	241	0.000
ENSP00000166534	7.71E-05	-0.0418	900	0.072
ENSP00000281129	3.73E-04	-0.0419	150	0.127
ENSP00000368727	3.28E-05	-0.0419	260	0.490
ENSP00000330219	4.83E-05	-0.0419	401	0.514
ENSP00000353408	7.38E-05	-0.0420	975	0.836
ENSP00000264144	7.01E-05	-0.0421	210	0.517
ENSP00000387699	8.13E-05	-0.0421	880	0.000
ENSP00000264276	4.24E-05	-0.0422	475	0.451
ENSP00000226574	2.30E-05	-0.0422	994	0.000
ENSP00000366208	1.11E-04	-0.0422	204	0.084
ENSP00000292327	3.13E-05	-0.0422	900	0.396
ENSP00000279386	2.68E-05	-0.0423	162	0.851
ENSP00000310723	6.16E-05	-0.0423	259	0.899

ENSP00000394352	5.12E-05	-0.0423	483	0.085
ENSP00000303634	7.02E-05	-0.0424	999	0.738
ENSP00000466933	2.14E-05	-0.0424	808	0.669
ENSP00000445175	5.60E-05	-0.0424	476	0.763
ENSP00000308887	3.39E-05	-0.0424	614	0.932
ENSP00000304501	5.25E-05	-0.0425	313	0.716
ENSP00000361915	2.60E-05	-0.0425	212	0.886
ENSP00000338082	5.61E-05	-0.0425	315	0.661
ENSP00000463533	2.14E-05	-0.0426	186	0.147
ENSP00000357040	3.46E-05	-0.0426	475	0.881
ENSP00000257552	7.07E-05	-0.0426	335	0.645
ENSP00000363079	2.59E-05	-0.0426	196	0.580
ENSP00000316674	2.95E-05	-0.0426	449	0.689
ENSP00000327323	4.91E-05	-0.0428	294	0.483
ENSP00000331211	1.32E-04	-0.0428	479	0.826
ENSP00000463047	9.98E-07	-0.0428	0	0.000
ENSP00000229135	2.72E-05	-0.0428	313	0.000
ENSP00000322706	4.74E-05	-0.0429	436	0.573
ENSP00000263640	3.83E-05	-0.0429	230	0.878
ENSP00000326519	5.29E-05	-0.0429	227	0.697
ENSP00000256379	5.48E-05	-0.0430	317	0.800
ENSP00000342307	6.86E-05	-0.0431	851	0.000
ENSP00000351209	5.42E-05	-0.0431	390	0.665
ENSP00000218340	1.32E-04	-0.0431	303	0.198
ENSP00000259512	4.09E-05	-0.0431	600	0.553
ENSP00000332979	5.36E-05	-0.0432	356	0.222
ENSP00000307252	4.89E-05	-0.0432	330	0.192
ENSP00000331831	1.38E-04	-0.0433	916	0.671
ENSP00000224356	5.05E-05	-0.0433	652	0.671
ENSP00000375977	3.20E-05	-0.0433	823	0.867
ENSP00000265970	2.66E-05	-0.0433	261	0.760
ENSP00000315417	2.77E-05	-0.0434	155	0.720
ENSP00000264663	2.77E-05	-0.0435	464	0.439
ENSP00000299353	1.87E-04	-0.0435	200	0.000
ENSP00000310170	3.14E-05	-0.0435	993	0.000
ENSP00000256194	4.82E-05	-0.0435	387	0.459
ENSP00000451258	8.19E-08	-0.0435	0	0.000
ENSP00000330382	6.88E-05	-0.0436	889	0.969
ENSP00000283882	3.59E-05	-0.0437	344	0.861
ENSP00000252530	8.00E-05	-0.0437	181	0.143
ENSP00000176183	2.76E-05	-0.0437	330	0.684
ENSP00000278937	1.09E-04	-0.0437	309	0.154
ENSP00000362153	2.50E-05	-0.0438	267	0.893
ENSP00000326095	1.17E-04	-0.0438	157	0.128
ENSP00000301046	2.46E-04	-0.0439	576	0.085
ENSP00000241337	9.04E-05	-0.0440	803	0.263

ENSP00000257724	3.59E-05	-0.0441	165	0.434
ENSP00000248553	8.46E-05	-0.0441	875	0.910
ENSP00000302564	5.38E-05	-0.0442	880	0.945
ENSP00000400101	7.91E-05	-0.0442	201	0.066
ENSP00000396211	3.35E-05	-0.0443	227	0.000
ENSP00000246554	4.26E-05	-0.0443	416	0.378
ENSP00000366413	2.58E-05	-0.0443	357	0.813
ENSP00000304192	1.35E-04	-0.0443	554	0.141
ENSP00000220966	3.33E-05	-0.0443	908	0.301
ENSP00000227507	3.00E-05	-0.0444	860	0.000
ENSP00000268182	3.67E-05	-0.0444	645	0.704
ENSP00000329647	2.98E-05	-0.0444	449	0.693
ENSP00000293288	6.38E-05	-0.0444	988	0.907
ENSP00000258080	2.61E-05	-0.0445	636	0.699
ENSP00000282928	3.04E-05	-0.0445	396	0.867
ENSP00000470694	2.50E-06	-0.0445	0	0.000
ENSP00000381949	2.45E-05	-0.0445	591	0.180
ENSP00000265565	8.83E-05	-0.0446	489	0.551
ENSP00000311121	4.54E-05	-0.0446	644	0.383
ENSP00000262962	4.72E-05	-0.0446	304	0.408
ENSP00000296955	1.52E-04	-0.0446	150	0.110
ENSP00000248594	3.42E-05	-0.0446	380	0.765
ENSP00000264434	3.13E-03	-0.0447	0	0.207
ENSP00000309259	3.13E-03	-0.0447	256	0.605
ENSP00000459439	2.14E-07	-0.0447	0	0.000
ENSP00000347792	2.83E-05	-0.0447	414	0.384
ENSP00000237500	2.70E-05	-0.0447	291	0.544
ENSP00000306477	5.69E-05	-0.0448	168	0.140
ENSP00000285848	2.62E-05	-0.0448	457	0.401
ENSP00000327145	3.39E-05	-0.0448	406	0.580
ENSP00000447679	9.80E-06	-0.0449	242	0.000
ENSP00000299964	6.90E-05	-0.0449	256	0.258
ENSP00000280614	3.21E-05	-0.0449	213	0.000
ENSP00000303452	2.36E-05	-0.0449	459	0.812
ENSP00000340507	4.58E-05	-0.0450	313	0.836
ENSP00000346634	4.45E-05	-0.0450	156	0.689
ENSP00000284292	6.31E-05	-0.0450	223	0.489
ENSP00000321070	3.58E-05	-0.0450	216	0.575
ENSP00000303129	6.36E-05	-0.0450	218	0.109
ENSP00000216294	1.27E-04	-0.0451	160	0.481
ENSP00000295962	7.59E-05	-0.0451	212	0.053
ENSP00000242067	3.67E-05	-0.0451	196	0.200
ENSP00000265112	2.48E-05	-0.0451	424	0.733
ENSP00000296641	5.61E-05	-0.0451	281	0.564
ENSP00000261172	3.43E-05	-0.0452	263	0.770
ENSP00000332116	2.99E-05	-0.0452	511	0.660

ENSP00000360158	3.87E-05	-0.0453	270	0.620
ENSP00000205402	1.70E-05	-0.0453	369	0.550
ENSP00000307634	2.60E-05	-0.0454	154	0.208
ENSP00000420588	6.80E-05	-0.0454	299	0.856
ENSP00000262613	3.21E-05	-0.0455	922	0.665
ENSP00000332816	3.12E-05	-0.0455	925	0.879
ENSP00000365725	4.00E-05	-0.0455	154	0.071
ENSP00000304854	4.94E-05	-0.0455	364	0.205
ENSP00000311502	8.13E-05	-0.0456	330	0.749
ENSP00000394863	4.32E-05	-0.0456	329	0.417
ENSP00000294973	3.72E-05	-0.0457	195	0.302
ENSP00000369963	1.02E-03	-0.0457	0	0.200
ENSP00000261503	4.58E-05	-0.0457	338	0.457
ENSP00000206542	3.63E-05	-0.0457	290	0.323
ENSP00000370031	4.22E-05	-0.0458	282	0.315
ENSP00000261416	4.48E-05	-0.0458	345	0.203
ENSP00000322396	4.13E-05	-0.0458	252	0.887
ENSP00000346032	9.83E-05	-0.0458	421	0.860
ENSP00000258884	1.23E-04	-0.0458	206	0.096
ENSP00000288266	4.74E-05	-0.0458	259	0.943
ENSP00000297307	3.70E-05	-0.0459	0	0.189
ENSP00000386439	1.86E-05	-0.0459	208	0.133
ENSP00000371724	1.48E-03	-0.0459	0	0.141
ENSP00000296452	4.44E-05	-0.0459	396	0.432
ENSP00000263997	1.05E-04	-0.0460	173	0.306
ENSP00000242108	9.79E-05	-0.0460	191	0.076
ENSP00000271450	3.29E-05	-0.0460	282	0.792
ENSP00000265857	3.35E-05	-0.0460	294	0.424
ENSP00000377833	5.07E-05	-0.0460	439	0.426
ENSP00000286201	5.21E-05	-0.0461	178	0.901
ENSP00000245479	5.47E-05	-0.0461	874	0.886
ENSP00000265849	2.30E-05	-0.0462	357	0.719
ENSP00000316950	6.71E-05	-0.0462	347	0.863
ENSP00000259455	2.39E-05	-0.0462	370	0.500
ENSP00000266079	2.92E-05	-0.0462	316	0.829
ENSP00000331040	2.10E-05	-0.0462	539	0.872
ENSP00000367830	2.97E-05	-0.0462	900	0.863
ENSP00000363512	6.13E-05	-0.0462	477	0.788
ENSP00000343115	1.96E-04	-0.0463	0	0.213
ENSP00000379003	2.65E-05	-0.0464	189	0.113
ENSP00000256594	8.81E-05	-0.0465	151	0.281
ENSP00000219255	2.70E-05	-0.0465	206	0.832
ENSP00000233575	1.33E-04	-0.0465	440	0.124
ENSP00000292211	1.20E-04	-0.0465	193	0.206
ENSP00000253063	7.34E-05	-0.0466	157	0.567
ENSP00000356311	4.69E-05	-0.0466	152	0.087

ENSP00000265724	2.79E-05	-0.0466	323	0.821
ENSP00000247226	3.06E-04	-0.0466	505	0.216
ENSP00000304736	3.53E-05	-0.0467	241	0.516
ENSP00000247153	1.59E-04	-0.0467	361	0.588
ENSP00000281631	2.85E-04	-0.0467	351	0.116
ENSP00000329662	6.40E-05	-0.0467	479	0.878
ENSP00000005178	3.00E-05	-0.0467	267	0.589
ENSP00000343645	3.86E-05	-0.0467	499	0.407
ENSP00000265641	3.29E-05	-0.0467	301	0.594
ENSP00000302051	5.21E-05	-0.0468	297	0.219
ENSP00000267229	8.69E-05	-0.0468	217	0.304
ENSP00000363753	3.38E-05	-0.0468	212	0.085
ENSP00000298942	3.62E-05	-0.0468	256	0.850
ENSP00000258105	2.68E-04	-0.0468	644	0.380
ENSP00000363799	3.76E-05	-0.0468	449	0.691
ENSP00000255266	1.73E-05	-0.0468	632	0.649
ENSP00000272163	2.76E-05	-0.0469	217	0.571
ENSP00000236273	4.30E-05	-0.0470	431	0.475
ENSP00000264637	4.56E-05	-0.0470	185	0.850
ENSP00000262507	7.44E-05	-0.0470	221	0.054
ENSP00000256644	1.08E-04	-0.0470	656	0.433
ENSP00000281537	6.18E-05	-0.0470	854	0.885
ENSP00000415786	6.19E-05	-0.0471	838	0.875
ENSP00000318374	1.21E-05	-0.0472	0	0.194
ENSP00000219439	7.73E-05	-0.0472	150	0.179
ENSP00000368831	7.23E-05	-0.0472	0	0.152
ENSP00000299198	5.87E-05	-0.0472	383	0.305
ENSP00000382026	3.14E-07	-0.0472	0	0.195
ENSP00000436337	3.21E-05	-0.0472	338	0.000
ENSP00000457962	5.82E-07	-0.0473	0	0.206
ENSP00000220514	7.16E-05	-0.0473	194	0.395
ENSP00000296930	6.40E-05	-0.0473	812	0.818
ENSP00000297469	4.50E-05	-0.0474	284	0.000
ENSP00000415299	2.58E-05	-0.0474	0	0.207
ENSP00000244534	6.30E-05	-0.0474	525	0.855
ENSP00000259119	4.60E-05	-0.0475	326	0.823
ENSP00000085219	3.78E-05	-0.0475	357	0.797
ENSP00000221930	2.47E-05	-0.0476	993	0.000
ENSP00000272286	3.25E-05	-0.0476	634	0.510
ENSP00000284719	2.72E-05	-0.0476	334	0.718
ENSP00000222792	1.80E-05	-0.0476	329	0.464
ENSP00000321999	4.20E-05	-0.0477	374	0.738
ENSP00000371968	4.39E-02	-0.0477	0	0.000
ENSP00000265968	5.69E-05	-0.0477	576	0.475
ENSP00000258418	4.22E-05	-0.0477	588	0.461
ENSP00000262188	3.96E-05	-0.0478	900	0.841

ENSP00000365435	3.67E-05	-0.0478	361	0.883
ENSP00000259457	3.25E-05	-0.0478	223	0.522
ENSP00000262990	8.46E-05	-0.0478	232	0.142
ENSP00000367894	2.13E-05	-0.0478	0	0.123
ENSP00000351157	3.44E-04	-0.0479	0	0.188
ENSP00000357660	9.52E-05	-0.0479	0	0.161
ENSP00000390750	1.18E-05	-0.0479	167	0.139
ENSP00000217159	7.30E-05	-0.0479	166	0.072
ENSP00000366376	1.32E-06	-0.0480	0	0.216
ENSP00000344504	7.06E-05	-0.0480	479	0.805
ENSP00000370391	8.22E-05	-0.0480	0	0.187
ENSP00000343764	5.18E-05	-0.0480	915	0.684
ENSP00000283905	6.77E-06	-0.0481	0	0.214
ENSP00000265729	3.00E-05	-0.0481	485	0.281
ENSP00000235372	4.97E-05	-0.0481	150	0.809
ENSP00000304669	4.15E-05	-0.0482	520	0.828
ENSP00000277657	3.50E-04	-0.0482	0	0.155
ENSP00000358865	3.18E-05	-0.0482	363	0.302
ENSP00000361850	9.75E-05	-0.0482	987	0.925
ENSP00000261208	3.80E-05	-0.0482	284	0.378
ENSP00000295589	2.12E-05	-0.0482	152	0.605
ENSP00000263688	5.47E-05	-0.0482	204	0.098
ENSP00000296412	2.98E-05	-0.0483	305	0.322
ENSP00000379140	7.25E-05	-0.0483	942	0.967
ENSP00000265371	1.42E-04	-0.0483	634	0.913
ENSP00000240851	6.20E-05	-0.0483	334	0.724
ENSP00000327916	3.64E-05	-0.0483	183	0.348
ENSP00000220584	3.99E-05	-0.0483	357	0.504
ENSP00000185150	4.94E-05	-0.0484	893	0.292
ENSP00000276033	6.21E-05	-0.0484	181	0.000
ENSP00000380467	6.62E-05	-0.0485	0	0.100
ENSP00000332118	3.14E-05	-0.0485	216	0.672
ENSP00000268124	3.00E-05	-0.0485	192	0.561
ENSP00000307705	7.46E-05	-0.0486	535	0.888
ENSP00000366336	1.90E-07	-0.0486	0	0.228
ENSP00000254043	5.46E-05	-0.0486	153	0.562
ENSP00000254722	1.49E-04	-0.0486	539	0.893
ENSP00000268719	7.50E-05	-0.0486	150	0.090
ENSP00000340937	4.88E-05	-0.0486	356	0.661
ENSP00000373136	1.90E-07	-0.0486	0	0.228
ENSP00000230050	2.72E-05	-0.0487	213	0.905
ENSP00000369840	1.61E-05	-0.0488	0	0.196
ENSP00000217971	3.65E-05	-0.0488	216	0.250
ENSP00000318884	2.77E-05	-0.0488	196	0.459
ENSP00000265276	4.79E-05	-0.0488	270	0.577
ENSP00000209884	6.52E-05	-0.0489	551	0.592

ENSP00000314897	1.48E-04	-0.0489	581	0.967
ENSP00000250101	1.32E-04	-0.0489	165	0.090
ENSP00000302918	2.06E-04	-0.0490	414	0.148
ENSP00000251607	3.86E-05	-0.0490	814	0.676
ENSP00000386394	3.51E-05	-0.0490	514	0.131
ENSP00000318094	4.56E-05	-0.0491	234	0.756
ENSP00000371872	2.31E-05	-0.0491	300	0.399
ENSP00000259874	1.23E-04	-0.0491	343	0.426
ENSP00000325526	3.16E-05	-0.0491	698	0.927
ENSP00000330720	4.06E-05	-0.0491	0	0.169
ENSP00000344967	3.21E-05	-0.0492	216	0.524
ENSP00000297494	4.66E-05	-0.0492	943	0.961
ENSP00000046794	4.29E-05	-0.0492	329	0.853
ENSP00000309334	2.94E-05	-0.0492	214	0.860
ENSP00000055077	1.88E-05	-0.0492	259	0.719
ENSP00000058691	1.91E-04	-0.0493	182	0.000
ENSP00000222115	2.61E-05	-0.0493	266	0.657
ENSP00000362457	3.54E-05	-0.0493	0	0.194
ENSP00000371554	2.79E-05	-0.0494	418	0.634
ENSP00000366326	2.75E-05	-0.0494	150	0.330
ENSP00000225171	3.69E-05	-0.0494	761	0.172
ENSP00000386896	7.80E-05	-0.0494	864	0.934
ENSP00000270233	7.62E-05	-0.0494	408	0.264
ENSP00000262160	5.17E-05	-0.0495	942	0.917
ENSP00000222219	4.88E-05	-0.0495	500	0.442
ENSP00000370223	2.97E-05	-0.0495	389	0.476
ENSP00000282251	3.10E-05	-0.0495	234	0.380
ENSP00000357304	4.91E-05	-0.0495	0	0.149
ENSP00000275493	3.92E-05	-0.0495	952	0.000
ENSP00000451040	5.99E-05	-0.0495	909	0.916
ENSP00000431512	5.44E-05	-0.0496	854	0.000
ENSP00000290299	2.69E-05	-0.0496	399	0.515
ENSP00000327716	5.53E-05	-0.0496	179	0.294
ENSP00000256319	7.42E-05	-0.0496	151	0.066
ENSP00000300056	4.52E-05	-0.0496	169	0.320
ENSP00000296871	5.52E-05	-0.0497	582	0.960
ENSP00000279488	3.72E-05	-0.0497	311	0.894
ENSP00000235332	6.79E-05	-0.0497	0	0.103
ENSP00000264202	3.95E-05	-0.0497	474	0.501
ENSP00000284262	2.59E-05	-0.0497	196	0.496
ENSP00000263092	1.13E-04	-0.0497	157	0.267
ENSP00000216117	5.19E-05	-0.0497	912	0.949
ENSP00000307843	6.93E-05	-0.0497	241	0.465
ENSP00000403270	2.35E-05	-0.0498	154	0.000
ENSP00000350012	3.58E-05	-0.0498	194	0.502
ENSP00000170564	1.15E-04	-0.0499	186	0.430

ENSP00000314036	3.07E-05	-0.0499	156	0.297
ENSP00000302967	4.75E-05	-0.0499	465	0.000
ENSP00000260643	3.88E-05	-0.0499	343	0.408
ENSP00000327513	5.12E-05	-0.0499	354	0.924
ENSP00000346127	2.98E-05	-0.0500	0	0.165
ENSP00000222145	2.79E-05	-0.0500	250	0.367
ENSP00000361669	2.54E-05	-0.0500	270	0.762
ENSP00000244043	5.41E-05	-0.0500	264	0.364
ENSP00000244573	5.39E-05	-0.0500	787	0.852
ENSP00000254958	6.49E-05	-0.0500	392	0.956
ENSP00000380413	2.27E-05	-0.0500	154	0.169
ENSP00000265437	1.07E-04	-0.0501	177	0.087
ENSP00000327336	4.03E-05	-0.0501	242	0.740
ENSP00000248420	6.83E-05	-0.0501	202	0.412
ENSP00000296233	3.28E-05	-0.0501	841	0.795
ENSP00000228811	4.64E-04	-0.0502	206	0.126
ENSP00000253792	1.78E-05	-0.0502	672	0.685
ENSP00000339511	3.71E-05	-0.0502	0	0.000
ENSP00000265271	9.16E-05	-0.0502	974	0.256
ENSP00000340660	4.66E-05	-0.0502	444	0.708
ENSP00000276651	2.98E-05	-0.0502	178	0.455
ENSP00000391121	3.00E-05	-0.0503	391	0.181
ENSP00000301149	3.41E-05	-0.0503	167	0.416
ENSP00000291532	4.34E-05	-0.0503	288	0.095
ENSP00000261168	1.56E-05	-0.0503	0	0.602
ENSP00000056217	3.49E-05	-0.0503	199	0.684
ENSP00000296805	2.35E-05	-0.0503	403	0.832
ENSP00000307208	2.26E-05	-0.0504	246	0.899
ENSP00000363089	6.72E-05	-0.0504	913	0.000
ENSP00000292174	3.93E-05	-0.0504	270	0.667
ENSP00000359534	1.84E-08	-0.0505	0	0.214
ENSP00000358861	3.44E-05	-0.0505	309	0.432
ENSP00000312506	4.75E-05	-0.0505	168	0.399
ENSP00000359119	2.34E-05	-0.0506	440	0.607
ENSP00000247843	2.71E-05	-0.0506	644	0.913
ENSP00000249042	2.28E-05	-0.0506	392	0.365
ENSP00000337701	4.14E-05	-0.0506	235	0.574
ENSP00000219150	2.37E-05	-0.0507	357	0.425
ENSP00000238714	4.49E-05	-0.0507	168	0.804
ENSP00000228468	2.57E-05	-0.0507	784	0.369
ENSP00000438757	1.42E-08	-0.0507	0	0.215
ENSP00000341214	4.95E-05	-0.0508	479	0.831
ENSP00000362978	2.47E-05	-0.0509	0	0.483
ENSP00000314879	7.01E-05	-0.0509	165	0.161
ENSP00000229195	2.83E-05	-0.0509	286	0.532
ENSP00000364720	4.40E-08	-0.0509	0	0.000



ENSP00000264126	4.93E-05	-0.0509	802	0.246
ENSP00000235329	2.34E-05	-0.0509	293	0.450
ENSP00000216911	2.04E-05	-0.0509	433	0.647
ENSP00000296632	8.13E-05	-0.0509	239	0.341
ENSP00000222823	3.64E-05	-0.0510	196	0.789
ENSP00000292896	3.24E-05	-0.0510	228	0.488
ENSP00000383873	1.65E-08	-0.0510	0	0.207
ENSP00000323696	1.51E-04	-0.0511	168	0.127
ENSP00000317790	4.32E-05	-0.0511	900	0.764
ENSP00000053243	3.46E-05	-0.0511	196	0.690
ENSP00000262890	7.09E-05	-0.0511	153	0.084
ENSP00000296577	2.65E-05	-0.0512	242	0.786
ENSP00000307850	6.88E-05	-0.0512	155	0.789
ENSP00000360031	2.93E-05	-0.0512	275	0.902
ENSP00000382982	4.09E-05	-0.0513	250	0.546
ENSP00000351244	2.17E-05	-0.0513	198	0.137
ENSP00000277010	5.17E-05	-0.0513	232	0.142
ENSP00000288350	3.62E-05	-0.0513	0	0.105
ENSP00000309572	3.10E-05	-0.0513	349	0.863
ENSP00000284061	4.40E-05	-0.0513	280	0.102
ENSP00000312370	3.46E-05	-0.0513	200	0.368
ENSP00000378710	2.01E-05	-0.0514	0	0.110
ENSP00000454370	1.02E-06	-0.0514	0	0.184
ENSP00000269980	2.71E-05	-0.0514	804	0.602
ENSP00000400803	1.98E-05	-0.0515	500	0.671
ENSP00000261879	7.59E-05	-0.0515	270	0.532
ENSP00000239461	1.78E-05	-0.0515	356	0.819
ENSP00000217260	2.17E-05	-0.0515	302	0.279
ENSP00000349244	2.75E-05	-0.0515	0	0.000
ENSP00000323805	3.65E-05	-0.0516	0	0.124
ENSP00000294952	2.47E-05	-0.0516	0	0.109
ENSP00000225842	3.41E-04	-0.0516	658	0.403
ENSP00000322788	8.35E-05	-0.0517	997	0.979
ENSP00000242261	6.16E-05	-0.0517	841	0.901
ENSP00000269159	3.91E-05	-0.0517	195	0.219
ENSP00000168712	5.83E-05	-0.0517	366	0.923
ENSP00000257861	4.46E-05	-0.0517	239	0.546
ENSP00000343619	3.96E-05	-0.0517	328	0.845
ENSP00000303366	8.07E-05	-0.0517	830	0.102
ENSP00000285407	3.27E-05	-0.0518	309	0.827
ENSP00000342557	2.81E-05	-0.0518	328	0.342
ENSP00000328729	7.91E-05	-0.0518	165	0.000
ENSP00000324842	3.49E-05	-0.0518	191	0.346
ENSP00000337439	4.81E-05	-0.0518	183	0.790
ENSP00000371829	9.78E-03	-0.0519	0	0.145
ENSP00000266719	3.25E-05	-0.0519	910	0.804

ENSP00000238112	3.08E-05	-0.0519	225	0.824
ENSP00000187397	3.26E-05	-0.0519	207	0.366
ENSP00000228741	1.23E-04	-0.0519	151	0.538
ENSP00000216392	2.96E-05	-0.0519	173	0.428
ENSP00000234961	4.51E-05	-0.0520	196	0.656
ENSP00000375562	1.67E-08	-0.0520	0	0.000
ENSP00000368572	5.81E-05	-0.0520	256	0.507
ENSP00000298316	3.54E-05	-0.0520	905	0.755
ENSP00000216367	4.70E-05	-0.0520	223	0.667
ENSP00000263635	2.29E-05	-0.0520	284	0.875
ENSP00000222547	2.91E-05	-0.0520	172	0.239
ENSP00000291009	7.94E-05	-0.0521	284	0.260
ENSP00000335605	1.08E-04	-0.0521	190	0.181
ENSP00000312625	5.44E-05	-0.0521	479	0.796
ENSP00000386186	1.78E-05	-0.0521	219	0.186
ENSP00000242159	3.22E-05	-0.0521	159	0.842
ENSP00000310800	5.53E-05	-0.0522	372	0.792
ENSP00000266517	4.04E-05	-0.0522	218	0.311
ENSP00000399627	3.33E-08	-0.0522	0	0.077
ENSP00000265333	2.13E-05	-0.0522	815	0.613
ENSP00000381045	9.91E-03	-0.0523	241	0.783
ENSP00000267012	1.57E-04	-0.0523	720	0.000
ENSP00000301452	2.49E-05	-0.0523	151	0.090
ENSP00000216027	2.38E-05	-0.0523	658	0.178
ENSP00000376024	3.98E-05	-0.0523	509	0.268
ENSP00000265689	3.27E-05	-0.0523	292	0.723
ENSP00000381198	1.78E-05	-0.0524	0	0.108
ENSP00000261435	5.36E-05	-0.0524	158	0.190
ENSP00000343847	8.30E-05	-0.0524	207	0.486
ENSP00000236957	2.67E-05	-0.0524	320	0.835
ENSP00000301732	4.21E-05	-0.0524	242	0.204
ENSP00000370883	4.03E-05	-0.0524	214	0.145
ENSP00000311538	5.03E-05	-0.0524	824	0.556
ENSP00000310094	6.38E-05	-0.0525	183	0.305
ENSP00000217455	2.30E-05	-0.0525	347	0.300
ENSP00000329357	3.19E-05	-0.0525	864	0.852
ENSP00000361592	3.57E-05	-0.0525	216	0.160
ENSP00000373600	9.13E-06	-0.0526	0	0.687
ENSP00000358212	1.89E-08	-0.0526	0	0.194
ENSP00000261714	4.90E-05	-0.0526	472	0.451
ENSP00000257860	1.93E-04	-0.0526	572	0.247
ENSP00000262120	4.38E-05	-0.0526	268	0.726
ENSP00000318222	7.97E-05	-0.0526	156	0.119
ENSP00000349678	1.99E-05	-0.0527	0	0.098
ENSP00000267415	7.28E-05	-0.0527	311	0.383
ENSP00000265969	1.94E-05	-0.0527	270	0.264

ENSP00000264033	3.14E-05	-0.0527	778	0.917
ENSP00000370767	2.60E-05	-0.0527	517	0.504
ENSP00000335029	4.90E-05	-0.0527	644	0.570
ENSP00000331897	2.76E-05	-0.0527	321	0.626
ENSP00000250498	4.53E-05	-0.0528	215	0.377
ENSP00000303174	2.92E-05	-0.0528	241	0.274
ENSP00000234160	3.07E-05	-0.0528	296	0.130
ENSP00000307513	1.30E-04	-0.0528	196	0.157
ENSP00000372390	2.60E-05	-0.0529	174	0.076
ENSP00000261716	4.20E-05	-0.0529	183	0.501
ENSP00000221566	1.85E-05	-0.0529	550	0.692
ENSP00000216602	2.17E-04	-0.0530	483	0.103
ENSP00000265866	4.82E-05	-0.0530	231	0.707
ENSP00000309181	4.74E-05	-0.0530	185	0.748
ENSP00000328671	3.50E-05	-0.0530	550	0.782
ENSP00000386331	3.78E-05	-0.0530	340	0.388
ENSP00000217402	2.08E-05	-0.0531	459	0.000
ENSP00000324105	3.60E-05	-0.0531	499	0.730
ENSP00000375682	2.62E-05	-0.0531	414	0.197
ENSP00000376684	3.14E-05	-0.0531	205	0.000
ENSP00000388731	1.80E-05	-0.0531	0	0.109
ENSP00000281243	4.54E-05	-0.0532	254	0.204
ENSP00000244709	1.31E-04	-0.0532	181	0.503
ENSP00000337125	4.71E-05	-0.0532	349	0.000
ENSP00000337733	5.08E-05	-0.0532	568	0.249
ENSP00000343706	5.83E-05	-0.0532	207	0.247
ENSP00000325612	5.59E-05	-0.0532	185	0.712
ENSP00000254719	2.46E-05	-0.0533	284	0.852
ENSP00000252487	2.63E-05	-0.0533	560	0.385
ENSP00000328228	5.64E-05	-0.0533	169	0.325
ENSP00000258201	7.30E-05	-0.0533	153	0.527
ENSP00000301645	4.03E-05	-0.0533	580	0.542
ENSP00000252244	3.53E-05	-0.0533	162	0.680
ENSP00000159087	5.57E-05	-0.0533	230	0.161
ENSP00000272937	3.78E-05	-0.0534	154	0.809
ENSP00000217652	2.22E-05	-0.0534	185	0.472
ENSP00000328915	3.67E-05	-0.0534	0	0.142
ENSP00000284476	7.29E-05	-0.0534	181	0.550
ENSP00000295802	3.64E-05	-0.0535	206	0.124
ENSP00000299421	5.39E-05	-0.0535	896	0.954
ENSP00000357973	1.16E-05	-0.0535	0	0.169
ENSP00000295981	8.94E-05	-0.0535	216	0.536
ENSP00000368547	2.25E-05	-0.0536	169	0.166
ENSP00000456026	1.55E-08	-0.0536	0	0.217
ENSP00000278836	5.45E-05	-0.0536	150	0.680
ENSP00000265094	2.90E-05	-0.0536	289	0.715

ENSP00000333769	5.09E-05	-0.0536	913	0.688
ENSP00000364482	5.69E-06	-0.0536	0	0.153
ENSP00000252725	5.85E-05	-0.0537	217	0.367
ENSP00000078429	3.78E-05	-0.0538	607	0.879
ENSP00000378548	1.82E-05	-0.0538	234	0.320
ENSP00000360821	2.53E-05	-0.0538	815	0.144
ENSP00000394107	3.58E-05	-0.0538	221	0.000
ENSP00000330634	2.07E-05	-0.0538	338	0.000
ENSP00000282030	1.96E-05	-0.0538	244	0.908
ENSP00000472130	3.99E-08	-0.0538	0	0.000
ENSP00000296677	3.82E-05	-0.0539	823	0.604
ENSP00000339769	4.40E-05	-0.0539	349	0.000
ENSP00000265686	2.94E-05	-0.0539	192	0.189
ENSP00000289746	4.73E-05	-0.0539	198	0.557
ENSP00000263373	4.29E-05	-0.0539	900	0.703
ENSP00000225972	8.21E-05	-0.0539	497	0.129
ENSP00000269571	3.91E-05	-0.0539	922	0.967
ENSP00000359820	1.55E-05	-0.0540	0	0.151
ENSP00000294724	3.12E-05	-0.0540	250	0.290
ENSP00000361699	3.74E-05	-0.0540	377	0.710
ENSP00000245564	8.28E-05	-0.0540	380	0.074
ENSP00000294064	9.63E-05	-0.0540	831	0.070
ENSP00000266025	1.62E-04	-0.0540	164	0.181
ENSP00000364858	2.08E-05	-0.0540	158	0.334
ENSP00000225823	2.26E-05	-0.0540	690	0.328
ENSP00000310688	4.61E-05	-0.0541	191	0.213
ENSP00000275603	2.48E-05	-0.0541	644	0.797
ENSP00000361465	3.38E-05	-0.0541	424	0.827
ENSP00000308820	1.57E-04	-0.0541	200	0.084
ENSP00000396301	2.92E-05	-0.0541	329	0.430
ENSP00000429399	1.31E-06	-0.0541	0	0.218
ENSP00000240687	4.48E-05	-0.0542	0	0.209
ENSP00000215057	2.71E-05	-0.0542	659	0.804
ENSP00000199389	3.05E-05	-0.0543	407	0.300
ENSP00000237596	2.86E-05	-0.0543	270	0.378
ENSP00000265572	4.29E-05	-0.0543	202	0.620
ENSP00000254806	1.74E-04	-0.0543	230	0.127
ENSP00000245541	2.56E-05	-0.0543	457	0.000
ENSP00000278919	7.29E-05	-0.0543	388	0.100
ENSP00000358413	1.39E-05	-0.0544	0	0.075
ENSP00000283752	4.15E-05	-0.0544	194	0.514
ENSP00000278865	3.83E-05	-0.0544	0	0.110
ENSP00000339161	1.51E-05	-0.0544	0	0.121
ENSP00000231668	7.07E-05	-0.0544	167	0.206
ENSP00000256759	8.16E-05	-0.0544	637	0.943
ENSP00000332413	1.28E-05	-0.0544	0	0.085

ENSP00000301396	6.99E-05	-0.0544	204	0.702
ENSP00000215957	4.33E-05	-0.0544	338	0.450
ENSP00000366416	6.76E-05	-0.0544	865	0.871
ENSP00000284637	9.27E-05	-0.0545	161	0.410
ENSP00000361359	6.46E-05	-0.0545	630	0.949
ENSP00000320324	3.03E-05	-0.0545	779	0.598
ENSP00000298159	2.62E-05	-0.0545	362	0.502
ENSP00000295872	4.00E-05	-0.0545	394	0.736
ENSP00000336528	4.07E-05	-0.0545	412	0.722
ENSP00000070846	2.77E-05	-0.0545	545	0.587
ENSP00000341466	3.54E-05	-0.0546	165	0.000
ENSP00000261868	5.03E-05	-0.0546	439	0.744
ENSP00000327440	2.45E-05	-0.0546	192	0.873
ENSP00000276659	4.95E-05	-0.0546	173	0.734
ENSP00000386791	6.67E-06	-0.0546	0	0.000
ENSP00000276218	7.04E-05	-0.0546	662	0.314
ENSP00000317333	4.83E-05	-0.0546	208	0.848
ENSP00000318615	7.38E-05	-0.0547	295	0.275
ENSP00000367658	3.78E-05	-0.0547	449	0.691
ENSP00000269321	2.36E-05	-0.0547	226	0.718
ENSP00000263932	4.81E-05	-0.0547	261	0.842
ENSP00000289902	4.87E-05	-0.0547	196	0.550
ENSP00000285735	3.61E-05	-0.0547	685	0.589
ENSP00000321735	2.82E-05	-0.0547	334	0.093
ENSP00000352852	6.24E-05	-0.0547	795	0.957
ENSP00000300482	4.63E-05	-0.0547	816	0.143
ENSP00000398597	5.30E-05	-0.0548	0	0.862
ENSP00000368017	2.60E-05	-0.0548	0	0.404
ENSP00000359663	7.88E-05	-0.0548	895	0.949
ENSP00000303351	6.97E-05	-0.0548	988	0.946
ENSP00000302111	5.44E-05	-0.0548	347	0.673
ENSP00000327652	2.74E-05	-0.0548	299	0.000
ENSP00000241416	4.03E-05	-0.0548	249	0.891
ENSP00000366330	7.53E-05	-0.0548	402	0.795
ENSP00000385479	2.17E-05	-0.0548	702	0.960
ENSP00000333275	5.26E-05	-0.0548	301	0.739
ENSP00000267017	1.31E-05	-0.0549	0	0.482
ENSP00000257867	8.83E-05	-0.0549	574	0.161
ENSP00000263980	2.35E-05	-0.0549	171	0.540
ENSP00000306670	4.90E-05	-0.0549	252	0.248
ENSP00000335074	2.42E-05	-0.0549	824	0.664
ENSP00000251849	4.22E-05	-0.0549	914	0.956
ENSP00000303315	2.87E-05	-0.0549	936	0.000
ENSP00000317271	6.99E-05	-0.0550	204	0.097
ENSP00000259154	5.38E-05	-0.0550	161	0.100
ENSP00000298396	3.46E-05	-0.0550	0	0.209

ENSP00000298772	6.42E-05	-0.0550	457	0.000
ENSP00000220763	5.97E-05	-0.0550	161	0.244
ENSP00000250831	1.97E-05	-0.0550	0	0.215
ENSP00000361667	2.74E-05	-0.0550	161	0.108
ENSP00000259406	4.66E-05	-0.0550	254	0.649
ENSP00000246785	9.05E-05	-0.0551	167	0.188
ENSP00000374049	9.41E-06	-0.0551	0	0.201
ENSP00000328777	2.51E-05	-0.0551	195	0.853
ENSP00000324270	3.32E-05	-0.0551	242	0.731
ENSP00000268854	2.58E-05	-0.0551	404	0.000
ENSP00000272065	3.01E-05	-0.0551	214	0.677
ENSP00000344322	3.65E-05	-0.0552	213	0.078
ENSP00000269122	2.27E-05	-0.0552	281	0.621
ENSP00000216122	1.41E-05	-0.0552	252	0.000
ENSP00000298352	3.36E-05	-0.0552	212	0.414
ENSP00000249776	2.05E-05	-0.0552	202	0.189
ENSP00000233893	1.74E-05	-0.0552	724	0.722
ENSP00000327116	4.83E-05	-0.0553	177	0.131
ENSP00000260762	3.94E-05	-0.0553	175	0.254
ENSP00000368759	3.82E-05	-0.0553	319	0.858
ENSP00000371483	2.85E-05	-0.0553	0	0.111
ENSP00000354560	2.06E-05	-0.0554	359	0.345
ENSP00000302647	4.34E-05	-0.0554	349	0.234
ENSP00000259477	4.80E-05	-0.0554	373	0.470
ENSP00000306997	9.77E-06	-0.0554	0	0.280
ENSP00000256999	3.32E-05	-0.0554	394	0.345
ENSP00000374558	1.31E-05	-0.0554	0	0.116
ENSP00000287667	4.15E-05	-0.0554	211	0.148
ENSP00000272298	1.92E-05	-0.0554	625	0.660
ENSP00000339399	5.12E-05	-0.0554	593	0.158
ENSP00000343885	3.06E-05	-0.0555	214	0.671
ENSP00000300305	5.44E-05	-0.0555	267	0.870
ENSP00000346986	1.57E-05	-0.0555	0	0.462
ENSP00000353483	5.67E-05	-0.0555	967	0.961
ENSP00000360688	1.54E-05	-0.0555	0	0.110
ENSP00000263846	1.38E-05	-0.0555	0	0.226
ENSP00000254227	2.39E-05	-0.0555	395	0.858
ENSP00000002165	6.14E-05	-0.0556	205	0.079
ENSP00000345892	2.97E-05	-0.0556	406	0.191
ENSP00000294168	4.14E-05	-0.0556	200	0.876
ENSP00000429344	2.10E-05	-0.0556	216	0.344
ENSP00000293230	3.01E-05	-0.0556	216	0.467
ENSP00000260210	3.08E-05	-0.0556	460	0.764
ENSP00000247001	4.25E-05	-0.0556	908	0.794
ENSP00000337088	3.13E-05	-0.0556	610	0.853
ENSP00000317123	3.61E-05	-0.0557	368	0.904

ENSP00000431284	3.64E-05	-0.0557	727	0.666
ENSP00000226730	3.86E-05	-0.0557	534	0.952
ENSP00000281453	5.21E-05	-0.0557	150	0.000
ENSP00000359444	3.50E-05	-0.0558	558	0.000
ENSP00000306662	1.95E-05	-0.0558	197	0.580
ENSP00000320516	3.26E-05	-0.0558	194	0.285
ENSP00000398704	6.48E-05	-0.0558	0	0.000
ENSP00000239940	2.01E-05	-0.0558	213	0.483
ENSP00000262746	2.44E-05	-0.0558	579	0.786
ENSP00000391669	2.87E-05	-0.0558	911	0.887
ENSP00000273317	4.84E-05	-0.0558	152	0.349
ENSP00000222969	2.57E-05	-0.0559	421	0.641
ENSP00000292035	4.54E-05	-0.0559	214	0.705
ENSP00000352162	3.41E-05	-0.0559	309	0.869
ENSP00000227752	4.40E-05	-0.0559	177	0.683
ENSP00000264220	2.64E-05	-0.0559	203	0.550
ENSP00000178638	4.82E-05	-0.0560	165	0.275
ENSP00000260264	3.33E-05	-0.0560	499	0.640
ENSP00000287038	2.68E-05	-0.0560	198	0.824
ENSP00000253754	2.33E-05	-0.0560	287	0.648
ENSP00000222305	3.21E-05	-0.0560	585	0.828
ENSP00000295934	3.02E-05	-0.0560	530	0.842
ENSP00000227378	2.76E-05	-0.0561	608	0.959
ENSP00000204961	2.46E-05	-0.0561	161	0.919
ENSP00000234420	1.99E-05	-0.0561	319	0.744
ENSP00000227868	1.93E-05	-0.0561	404	0.640
ENSP00000279227	5.32E-05	-0.0561	739	0.191
ENSP00000283027	3.07E-05	-0.0561	158	0.277
ENSP00000299335	3.91E-05	-0.0561	199	0.292
ENSP00000296869	3.26E-05	-0.0562	154	0.405
ENSP00000331019	3.01E-05	-0.0562	202	0.744
ENSP00000345405	1.08E-05	-0.0562	0	0.412
ENSP00000251496	3.55E-05	-0.0562	212	0.470
ENSP00000289371	2.34E-05	-0.0563	653	0.817
ENSP00000291577	4.01E-05	-0.0563	206	0.081
ENSP00000222482	4.03E-05	-0.0563	185	0.055
ENSP00000258787	2.70E-05	-0.0563	244	0.389
ENSP00000319279	4.11E-05	-0.0563	210	0.839
ENSP00000313571	3.44E-05	-0.0563	608	0.256
ENSP00000224784	2.25E-05	-0.0563	674	0.705
ENSP00000366950	2.05E-05	-0.0564	0	0.209
ENSP00000333915	6.48E-06	-0.0564	0	0.000
ENSP00000253382	2.43E-05	-0.0564	235	0.416
ENSP00000239151	3.56E-05	-0.0564	525	0.855
ENSP00000376177	2.68E-05	-0.0565	413	0.586
ENSP00000250018	2.23E-05	-0.0565	268	0.599

ENSP00000329106	3.19E-05	-0.0565	0	0.191
ENSP00000319977	3.25E-05	-0.0565	426	0.696
ENSP00000199814	2.61E-05	-0.0565	429	0.700
ENSP00000257192	3.84E-05	-0.0565	439	0.324
ENSP00000354111	2.81E-05	-0.0566	934	0.427
ENSP00000244741	3.60E-05	-0.0566	503	0.000
ENSP00000303145	3.07E-05	-0.0566	492	0.276
ENSP00000302599	1.48E-05	-0.0566	361	0.087
ENSP00000249883	6.41E-05	-0.0566	223	0.167
ENSP00000308576	2.50E-05	-0.0566	515	0.540
ENSP00000253968	6.74E-05	-0.0566	179	0.837
ENSP00000308540	3.51E-05	-0.0567	516	0.000
ENSP00000318351	2.52E-05	-0.0567	319	0.649
ENSP00000229329	2.30E-05	-0.0567	345	0.222
ENSP00000221700	5.30E-05	-0.0567	282	0.304
ENSP00000234454	9.98E-05	-0.0567	159	0.113
ENSP00000251287	3.91E-05	-0.0567	158	0.299
ENSP00000290349	3.12E-05	-0.0567	194	0.262
ENSP00000255764	3.89E-05	-0.0568	234	0.721
ENSP00000355797	1.47E-07	-0.0568	0	0.215
ENSP00000005286	7.93E-05	-0.0568	613	0.128
ENSP00000267119	4.24E-05	-0.0568	173	0.427
ENSP00000319781	2.37E-05	-0.0568	284	0.254
ENSP00000240050	1.73E-05	-0.0568	0	0.000
ENSP00000221740	6.15E-05	-0.0569	222	0.000
ENSP00000262839	5.59E-05	-0.0569	292	0.477
ENSP00000382004	2.72E-05	-0.0569	295	0.811
ENSP00000368959	4.24E-05	-0.0569	396	0.285
ENSP00000302935	4.21E-05	-0.0569	240	0.630
ENSP00000334300	2.93E-05	-0.0569	449	0.689
ENSP00000308548	5.12E-05	-0.0569	215	0.141
ENSP00000349693	9.02E-06	-0.0569	0	0.000
ENSP00000228872	4.23E-05	-0.0569	878	0.912
ENSP00000354901	4.09E-05	-0.0569	347	0.720
ENSP00000300404	2.07E-05	-0.0569	609	0.256
ENSP00000356236	9.78E-06	-0.0570	0	0.249
ENSP00000338799	3.83E-05	-0.0570	208	0.843
ENSP00000221515	1.20E-04	-0.0570	891	0.862
ENSP00000251871	3.94E-05	-0.0570	284	0.757
ENSP00000246071	2.63E-05	-0.0571	599	0.872
ENSP00000330074	4.37E-05	-0.0571	737	0.868
ENSP00000164139	2.03E-05	-0.0571	176	0.441
ENSP00000188790	6.64E-05	-0.0571	553	0.290
ENSP00000005587	4.47E-05	-0.0571	191	0.168
ENSP00000271636	3.64E-05	-0.0572	151	0.431
ENSP00000278483	7.81E-05	-0.0572	248	0.148



ENSP00000265560	3.79E-05	-0.0572	259	0.267
ENSP00000260442	5.72E-05	-0.0572	150	0.426
ENSP00000327431	3.08E-05	-0.0572	157	0.353
ENSP00000266556	5.60E-05	-0.0572	439	0.489
ENSP00000261731	1.61E-05	-0.0572	219	0.719
ENSP00000305343	1.42E-05	-0.0572	0	0.506
ENSP00000249007	6.85E-05	-0.0572	235	0.403
ENSP00000280333	3.01E-05	-0.0573	209	0.748
ENSP00000230449	2.85E-05	-0.0573	202	0.248
ENSP00000326627	1.11E-05	-0.0573	504	0.107
ENSP00000005905	8.52E-05	-0.0573	197	0.000
ENSP00000323036	4.33E-05	-0.0573	159	0.170
ENSP00000320171	3.15E-05	-0.0574	499	0.870
ENSP00000284320	3.02E-05	-0.0574	350	0.202
ENSP00000307241	2.75E-05	-0.0574	397	0.492
ENSP00000345206	5.94E-05	-0.0574	459	0.895
ENSP00000210633	1.39E-05	-0.0574	0	0.402
ENSP00000325875	4.14E-05	-0.0574	988	0.878
ENSP00000458537	5.11E-05	-0.0574	646	0.883
ENSP00000334134	2.44E-05	-0.0575	554	0.443
ENSP00000054650	1.25E-04	-0.0575	222	0.199
ENSP00000261637	3.40E-05	-0.0575	271	0.885
ENSP00000365233	3.15E-05	-0.0575	712	0.418
ENSP00000290650	3.89E-05	-0.0575	311	0.400
ENSP00000239938	3.24E-05	-0.0575	896	0.925
ENSP00000342793	2.73E-05	-0.0576	547	0.434
ENSP00000351697	2.19E-05	-0.0576	266	0.745
ENSP00000321475	2.11E-05	-0.0576	150	0.196
ENSP00000350052	4.88E-05	-0.0576	626	0.000
ENSP00000365411	2.06E-05	-0.0576	912	0.447
ENSP00000252934	6.54E-05	-0.0576	570	0.176
ENSP00000281455	3.42E-05	-0.0576	309	0.611
ENSP00000347379	9.13E-05	-0.0576	567	0.878
ENSP00000329933	2.86E-05	-0.0576	265	0.905
ENSP00000260810	3.56E-05	-0.0577	437	0.804
ENSP00000322542	3.87E-05	-0.0577	859	0.000
ENSP00000262109	1.87E-02	-0.0577	0	0.213
ENSP00000251547	4.51E-05	-0.0577	171	0.116
ENSP00000265471	6.12E-05	-0.0577	175	0.058
ENSP00000357901	1.13E-05	-0.0578	0	0.077
ENSP00000262096	6.77E-05	-0.0578	0	0.103
ENSP00000334928	2.37E-05	-0.0578	195	0.634
ENSP00000369154	3.03E-05	-0.0578	568	0.876
ENSP00000294008	4.57E-05	-0.0578	306	0.485
ENSP00000262713	2.94E-05	-0.0578	152	0.613
ENSP00000303908	3.72E-05	-0.0578	150	0.259

ENSP00000251636	2.21E-05	-0.0578	556	0.923
ENSP00000261772	2.59E-05	-0.0579	404	0.723
ENSP00000264690	5.17E-05	-0.0579	538	0.683
ENSP00000296456	2.85E-05	-0.0579	498	0.433
ENSP00000354609	8.90E-06	-0.0579	0	0.412
ENSP00000384708	3.14E-05	-0.0579	307	0.751
ENSP00000040663	5.82E-05	-0.0579	386	0.231
ENSP00000292779	2.64E-05	-0.0579	0	0.210
ENSP00000369136	7.06E-06	-0.0580	0	0.512
ENSP00000156471	3.67E-05	-0.0580	186	0.814
ENSP00000252483	5.65E-05	-0.0581	225	0.186
ENSP00000287727	4.16E-05	-0.0581	564	0.265
ENSP00000308208	9.58E-05	-0.0581	997	0.960
ENSP00000334872	9.55E-05	-0.0581	193	0.144
ENSP00000225504	2.89E-05	-0.0581	307	0.910
ENSP00000202773	2.28E-05	-0.0581	195	0.861
ENSP00000206595	6.52E-05	-0.0581	274	0.327
ENSP00000273130	4.40E-05	-0.0581	159	0.058
ENSP00000301956	2.68E-05	-0.0582	414	0.445
ENSP00000303830	4.08E-05	-0.0582	535	0.715
ENSP00000308466	4.00E-05	-0.0582	181	0.061
ENSP00000248935	1.70E-05	-0.0582	336	0.000
ENSP00000258428	2.41E-05	-0.0582	206	0.651
ENSP00000275233	2.53E-05	-0.0582	160	0.944
ENSP00000300108	3.03E-05	-0.0582	432	0.686
ENSP00000057513	6.31E-05	-0.0583	159	0.331
ENSP00000251127	2.67E-05	-0.0583	380	0.216
ENSP00000278612	2.65E-05	-0.0583	390	0.764
ENSP00000258874	4.95E-05	-0.0583	200	0.148
ENSP00000366962	2.50E-05	-0.0584	890	0.948
ENSP00000357794	2.92E-05	-0.0584	317	0.594
ENSP00000264080	6.66E-05	-0.0584	157	0.143
ENSP00000250111	3.69E-05	-0.0584	225	0.078
ENSP00000312185	3.72E-05	-0.0585	224	0.504
ENSP00000295736	2.91E-05	-0.0585	197	0.257
ENSP00000307567	2.50E-05	-0.0585	367	0.823
ENSP00000243108	3.56E-05	-0.0585	194	0.832
ENSP00000307599	2.55E-05	-0.0585	250	0.496
ENSP00000233468	4.06E-05	-0.0585	185	0.000
ENSP00000313581	5.74E-05	-0.0586	505	0.254
ENSP00000336775	2.86E-05	-0.0586	309	0.369
ENSP00000305675	3.59E-05	-0.0586	329	0.391
ENSP00000233838	6.83E-05	-0.0586	359	0.204
ENSP00000339328	1.28E-04	-0.0586	918	0.855
ENSP00000158762	5.26E-05	-0.0586	242	0.270
ENSP00000207549	4.06E-05	-0.0586	157	0.175

ENSP00000332326	2.65E-05	-0.0586	242	0.433
ENSP00000216115	7.67E-05	-0.0586	311	0.344
ENSP00000344314	3.42E-05	-0.0587	216	0.452
ENSP00000427211	1.70E-05	-0.0587	250	0.551
ENSP00000263826	1.72E-05	-0.0587	699	0.679
ENSP00000264895	2.21E-05	-0.0587	438	0.000
ENSP00000281938	4.14E-05	-0.0587	276	0.573
ENSP00000313670	5.00E-05	-0.0588	200	0.117
ENSP00000206249	1.86E-05	-0.0588	876	0.000
ENSP00000263372	2.54E-05	-0.0588	203	0.240
ENSP00000338481	3.28E-05	-0.0588	232	0.300
ENSP00000305152	2.71E-05	-0.0588	177	0.000
ENSP00000267970	4.64E-05	-0.0588	690	0.113
ENSP00000370104	1.31E-05	-0.0588	0	0.605
ENSP00000443399	1.97E-07	-0.0588	0	0.000
ENSP00000280605	2.67E-05	-0.0588	408	0.480
ENSP00000424711	1.86E-06	-0.0588	0	0.142
ENSP00000340211	3.46E-05	-0.0589	335	0.376
ENSP00000267460	8.25E-05	-0.0589	158	0.300
ENSP00000320936	5.79E-05	-0.0589	240	0.717
ENSP00000315557	2.06E-06	-0.0589	0	0.215
ENSP00000248958	6.15E-05	-0.0590	276	0.131
ENSP00000303920	5.90E-05	-0.0590	751	0.116
ENSP00000295050	3.36E-05	-0.0590	360	0.344
ENSP00000225426	3.51E-05	-0.0590	331	0.000
ENSP00000223127	4.22E-05	-0.0590	190	0.116
ENSP00000316476	3.98E-05	-0.0590	158	0.302
ENSP00000449241	2.53E-05	-0.0590	205	0.252
ENSP00000338235	3.34E-05	-0.0591	842	0.696
ENSP00000331504	2.28E-05	-0.0591	270	0.765
ENSP00000295770	3.64E-05	-0.0591	368	0.254
ENSP00000280200	3.16E-05	-0.0591	214	0.516
ENSP00000240423	2.34E-05	-0.0591	192	0.547
ENSP00000314615	5.67E-05	-0.0591	324	0.256
ENSP00000299328	2.77E-05	-0.0592	381	0.000
ENSP00000329932	8.44E-05	-0.0592	181	0.159
ENSP00000263025	2.80E-05	-0.0592	467	0.000
ENSP00000260867	2.89E-05	-0.0592	261	0.000
ENSP00000427279	3.08E-05	-0.0592	295	0.778
ENSP00000307235	5.51E-05	-0.0592	999	0.936
ENSP00000462745	1.89E-05	-0.0592	156	0.115
ENSP00000243253	1.65E-05	-0.0592	890	0.652
ENSP00000363397	3.67E-05	-0.0592	233	0.292
ENSP00000287600	5.02E-05	-0.0593	211	0.269
ENSP00000362849	2.43E-05	-0.0593	520	0.000
ENSP00000262457	2.12E-05	-0.0593	202	0.797

ENSP00000225724	2.72E-05	-0.0593	179	0.189
ENSP00000249066	5.77E-05	-0.0593	163	0.246
ENSP00000315693	4.02E-05	-0.0593	152	0.079
ENSP00000266095	3.65E-05	-0.0593	158	0.148
ENSP00000307859	3.41E-05	-0.0594	234	0.598
ENSP00000312697	3.42E-05	-0.0594	356	0.866
ENSP00000262450	2.59E-05	-0.0594	209	0.916
ENSP00000341390	2.55E-05	-0.0594	254	0.767
ENSP00000263268	3.16E-05	-0.0594	264	0.289
ENSP00000225174	1.69E-05	-0.0594	516	0.734
ENSP00000385328	2.24E-05	-0.0594	156	0.513
ENSP00000365076	7.75E-06	-0.0595	0	0.186
ENSP00000314151	6.13E-05	-0.0595	893	0.758
ENSP00000228307	4.97E-05	-0.0595	962	0.911
ENSP00000335055	4.13E-05	-0.0595	195	0.388
ENSP00000228945	2.34E-05	-0.0595	211	0.534
ENSP00000219548	2.37E-05	-0.0595	524	0.821
ENSP00000311032	5.91E-05	-0.0595	973	0.930
ENSP00000385158	3.91E-05	-0.0595	398	0.367
ENSP00000240304	4.06E-05	-0.0596	496	0.781
ENSP00000311135	2.30E-05	-0.0596	275	0.920
ENSP00000218075	2.01E-05	-0.0596	156	0.309
ENSP00000253861	2.26E-05	-0.0596	298	0.286
ENSP00000373648	2.63E-05	-0.0597	900	0.265
ENSP00000306279	3.44E-05	-0.0597	215	0.341
ENSP00000338157	3.89E-05	-0.0597	606	0.845
ENSP00000262441	3.62E-05	-0.0597	164	0.521
ENSP00000239462	1.87E-05	-0.0597	242	0.404
ENSP00000301785	4.91E-05	-0.0597	644	0.401
ENSP00000290246	3.68E-05	-0.0598	227	0.381
ENSP00000272895	3.73E-05	-0.0598	804	0.187
ENSP00000386230	1.75E-07	-0.0598	0	0.214
ENSP00000318227	6.31E-05	-0.0599	191	0.079
ENSP00000269881	1.75E-05	-0.0599	451	0.211
ENSP00000345282	9.31E-06	-0.0599	0	0.313
ENSP00000360455	7.00E-06	-0.0600	0	0.706
ENSP00000250535	6.25E-05	-0.0600	800	0.085
ENSP00000260505	8.79E-06	-0.0600	0	0.076
ENSP00000364784	6.43E-08	-0.0600	0	0.170
ENSP00000445831	2.16E-05	-0.0600	819	0.953
ENSP00000318585	5.62E-05	-0.0600	633	0.000
ENSP00000233143	7.83E-05	-0.0600	203	0.133
ENSP00000354794	7.14E-05	-0.0600	222	0.754
ENSP00000206262	3.96E-05	-0.0601	188	0.414
ENSP00000307240	3.16E-05	-0.0601	182	0.449
ENSP00000252455	4.21E-05	-0.0601	384	0.000

ENSP00000221132	4.59E-05	-0.0601	242	0.850
ENSP00000263383	2.66E-05	-0.0601	229	0.417
ENSP00000316948	2.32E-05	-0.0601	254	0.606
ENSP00000325301	8.24E-08	-0.0601	0	0.211
ENSP00000343273	3.94E-05	-0.0602	309	0.360
ENSP00000288985	2.62E-05	-0.0602	284	0.916
ENSP00000322450	2.55E-05	-0.0602	357	0.413
ENSP00000343164	2.60E-05	-0.0602	253	0.000
ENSP00000290399	3.82E-05	-0.0602	158	0.716
ENSP00000309771	3.44E-05	-0.0602	225	0.527
ENSP00000322142	2.72E-05	-0.0602	203	0.933
ENSP00000156626	2.92E-05	-0.0602	171	0.238
ENSP00000222329	4.76E-05	-0.0603	181	0.744
ENSP00000250024	9.52E-06	-0.0603	0	0.597
ENSP00000270625	2.04E-05	-0.0604	356	0.825
ENSP00000269127	2.20E-05	-0.0604	160	0.944
ENSP00000345599	1.00E-04	-0.0604	261	0.000
ENSP00000351384	8.44E-07	-0.0604	0	0.000
ENSP00000216044	3.21E-05	-0.0604	216	0.189
ENSP00000322909	4.47E-05	-0.0604	302	0.855
ENSP00000364700	3.15E-05	-0.0605	906	0.793
ENSP00000361556	2.31E-06	-0.0605	0	0.169
ENSP00000261024	6.07E-05	-0.0605	192	0.335
ENSP00000006015	3.05E-05	-0.0605	165	0.834
ENSP00000350941	6.99E-05	-0.0605	993	0.000
ENSP00000320866	5.95E-05	-0.0605	931	0.880
ENSP00000234179	2.93E-05	-0.0606	282	0.437
ENSP00000218249	1.98E-05	-0.0606	207	0.261
ENSP00000386452	2.15E-06	-0.0606	0	0.199
ENSP00000330289	4.05E-05	-0.0606	230	0.113
ENSP00000245046	3.71E-05	-0.0606	191	0.084
ENSP00000444196	2.54E-05	-0.0606	680	0.000
ENSP00000255084	1.83E-05	-0.0606	216	0.276
ENSP00000419249	1.08E-05	-0.0606	0	0.170
ENSP00000339566	4.62E-05	-0.0606	595	0.877
ENSP00000358323	1.09E-04	-0.0606	371	0.000
ENSP00000216465	1.74E-05	-0.0606	328	0.553
ENSP00000222511	2.33E-05	-0.0606	340	0.631
ENSP00000348784	3.23E-05	-0.0606	610	0.875
ENSP00000324248	3.37E-05	-0.0606	349	0.736
ENSP00000275015	2.08E-05	-0.0607	275	0.811
ENSP00000358310	1.73E-05	-0.0607	288	0.219
ENSP00000217133	1.49E-05	-0.0607	402	0.575
ENSP00000215742	2.05E-05	-0.0607	0	0.302
ENSP00000342056	3.60E-05	-0.0607	581	0.641
ENSP00000338018	4.83E-05	-0.0607	887	0.934

ENSP00000449002	4.73E-06	-0.0607	0	0.156
ENSP00000307183	2.69E-05	-0.0607	203	0.910
ENSP00000336831	3.03E-05	-0.0607	638	0.530
ENSP00000308383	6.09E-05	-0.0607	199	0.562
ENSP00000314048	3.82E-05	-0.0607	359	0.083
ENSP00000284690	2.48E-05	-0.0607	268	0.928
ENSP00000221283	2.20E-05	-0.0607	204	0.247
ENSP00000289416	2.33E-05	-0.0608	183	0.342
ENSP00000256935	2.84E-05	-0.0608	214	0.567
ENSP00000254810	1.71E-05	-0.0608	702	0.935
ENSP00000307305	3.79E-05	-0.0608	191	0.786
ENSP00000256593	3.81E-05	-0.0608	164	0.095
ENSP00000278886	2.58E-05	-0.0608	216	0.167
ENSP00000266643	3.53E-05	-0.0609	205	0.246
ENSP00000261783	2.32E-05	-0.0609	242	0.351
ENSP00000247306	4.92E-03	-0.0609	0	0.184
ENSP00000223029	3.52E-05	-0.0609	311	0.433
ENSP00000328236	4.20E-05	-0.0609	491	0.333
ENSP00000268058	2.72E-05	-0.0609	900	0.766
ENSP00000307234	1.67E-05	-0.0609	0	0.121
ENSP00000217426	1.77E-05	-0.0609	343	0.567
ENSP00000294179	2.68E-05	-0.0609	490	0.246
ENSP00000253814	5.35E-05	-0.0609	203	0.073
ENSP00000337261	5.15E-05	-0.0609	234	0.779
ENSP00000346015	7.59E-05	-0.0610	469	0.799
ENSP00000303554	3.59E-05	-0.0610	303	0.396
ENSP00000265896	3.39E-05	-0.0610	284	0.479
ENSP00000245312	2.99E-05	-0.0610	242	0.303
ENSP00000242577	2.25E-05	-0.0610	197	0.278
ENSP00000302621	3.21E-05	-0.0610	600	0.723
ENSP00000298937	3.69E-05	-0.0610	213	0.601
ENSP00000301286	6.29E-05	-0.0610	151	0.099
ENSP00000344562	3.48E-05	-0.0610	335	0.394
ENSP00000294816	1.45E-05	-0.0611	174	0.835
ENSP00000384223	2.82E-05	-0.0611	479	0.299
ENSP00000275815	2.13E-05	-0.0611	349	0.664
ENSP00000389948	7.20E-06	-0.0611	0	0.061
ENSP00000267436	3.27E-05	-0.0611	199	0.194
ENSP00000265846	4.24E-05	-0.0611	168	0.204
ENSP00000255631	3.03E-05	-0.0611	782	0.253
ENSP00000265447	6.80E-05	-0.0611	499	0.332
ENSP00000354687	2.53E-05	-0.0611	806	0.725
ENSP00000302728	2.96E-05	-0.0611	251	0.441
ENSP00000169298	2.50E-05	-0.0611	204	0.149
ENSP00000359573	3.42E-05	-0.0612	182	0.711
ENSP00000229307	6.08E-05	-0.0612	352	0.864

ENSP00000302232	1.84E-05	-0.0612	0	0.301
ENSP00000338487	4.72E-05	-0.0612	159	0.053
ENSP00000360116	4.60E-05	-0.0612	223	0.835
ENSP00000363431	1.18E-05	-0.0613	190	0.138
ENSP00000251588	2.41E-05	-0.0613	150	0.286
ENSP00000417185	2.95E-05	-0.0613	242	0.722
ENSP00000304593	2.60E-05	-0.0613	387	0.866
ENSP00000330753	2.71E-05	-0.0613	246	0.930
ENSP00000200457	2.87E-05	-0.0613	542	0.663
ENSP00000258412	3.10E-05	-0.0613	483	0.084
ENSP00000370648	2.57E-05	-0.0613	300	0.160
ENSP00000332973	5.74E-05	-0.0613	942	0.909
ENSP00000261180	2.11E-05	-0.0613	658	0.357
ENSP00000257017	1.81E-05	-0.0613	284	0.248
ENSP00000311596	2.70E-05	-0.0613	280	0.808
ENSP00000290846	2.71E-05	-0.0613	334	0.490
ENSP00000285083	2.95E-05	-0.0614	193	0.234
ENSP00000308227	2.19E-05	-0.0614	575	0.757
ENSP00000317955	2.97E-05	-0.0614	594	0.383
ENSP00000291688	3.25E-05	-0.0614	165	0.550
ENSP00000262030	1.81E-05	-0.0614	496	0.639
ENSP00000257622	4.51E-05	-0.0614	173	0.000
ENSP00000297625	2.93E-05	-0.0614	173	0.086
ENSP00000270139	2.97E-05	-0.0615	163	0.806
ENSP00000244537	2.14E-05	-0.0615	774	0.000
ENSP00000347581	1.56E-05	-0.0615	0	0.094
ENSP00000381089	9.88E-06	-0.0615	0	0.062
ENSP00000216807	3.91E-05	-0.0616	242	0.770
ENSP00000287820	5.43E-05	-0.0616	942	0.916
ENSP00000334319	3.33E-05	-0.0616	396	0.164
ENSP00000393262	5.92E-05	-0.0616	700	0.000
ENSP00000389658	4.56E-06	-0.0616	0	0.000
ENSP00000223051	3.65E-05	-0.0616	396	0.415
ENSP00000240189	2.29E-03	-0.0616	0	0.199
ENSP00000235310	3.13E-05	-0.0616	201	0.624
ENSP00000307197	2.31E-05	-0.0616	894	0.431
ENSP00000325290	3.42E-05	-0.0616	223	0.409
ENSP00000409950	1.38E-07	-0.0617	0	0.208
ENSP00000272902	2.47E-05	-0.0617	157	0.523
ENSP00000287908	4.21E-05	-0.0617	176	0.071
ENSP00000272190	4.52E-05	-0.0617	581	0.924
ENSP00000318486	2.82E-05	-0.0617	234	0.733
ENSP00000271332	3.38E-05	-0.0617	321	0.386
ENSP00000268206	1.79E-05	-0.0617	399	0.859
ENSP00000263274	2.09E-05	-0.0618	171	0.797
ENSP00000328269	3.32E-05	-0.0618	649	0.927

ENSP00000361502	1.62E-05	-0.0618	158	0.076
ENSP00000262878	3.86E-05	-0.0618	403	0.306
ENSP00000285900	3.64E-05	-0.0618	589	0.690
ENSP00000326767	3.77E-05	-0.0618	313	0.672
ENSP00000345684	1.41E-05	-0.0619	0	0.000
ENSP00000223321	1.99E-05	-0.0619	656	0.517
ENSP00000368667	3.92E-05	-0.0619	330	0.702
ENSP00000215780	1.71E-05	-0.0619	336	0.000
ENSP00000286788	2.41E-05	-0.0620	385	0.747
ENSP00000310901	4.75E-05	-0.0620	360	0.416
ENSP00000427941	1.76E-05	-0.0620	0	0.055
ENSP00000219409	2.35E-05	-0.0620	178	0.387
ENSP00000339398	5.30E-05	-0.0620	0	0.772
ENSP00000301790	1.64E-05	-0.0620	0	0.074
ENSP00000361748	1.18E-05	-0.0620	0	0.092
ENSP00000269305	5.07E-05	-0.0621	942	0.000
ENSP00000379383	3.92E-05	-0.0621	416	0.361
ENSP00000262644	3.35E-05	-0.0621	223	0.119
ENSP00000301729	2.13E-05	-0.0621	300	0.380
ENSP00000361768	8.64E-06	-0.0621	0	0.069
ENSP00000252011	1.88E-05	-0.0621	272	0.921
ENSP00000467396	1.88E-05	-0.0621	244	0.000
ENSP00000258774	2.89E-05	-0.0621	165	0.679
ENSP00000305416	4.24E-05	-0.0622	329	0.765
ENSP00000317891	3.35E-05	-0.0622	202	0.594
ENSP00000292069	1.87E-05	-0.0622	210	0.674
ENSP00000415769	4.75E-05	-0.0622	363	0.548
ENSP00000264634	5.22E-05	-0.0622	951	0.000
ENSP00000366787	9.77E-06	-0.0623	0	0.000
ENSP00000263991	2.35E-05	-0.0623	527	0.491
ENSP00000310338	2.43E-05	-0.0623	0	0.161
ENSP00000311489	3.83E-05	-0.0623	902	0.716
ENSP00000013807	1.98E-05	-0.0624	181	0.733
ENSP00000334148	1.23E-05	-0.0624	0	0.127
ENSP00000257904	2.47E-05	-0.0624	420	0.000
ENSP00000310491	3.24E-05	-0.0624	199	0.616
ENSP00000296388	1.10E-04	-0.0624	185	0.000
ENSP00000231357	2.43E-05	-0.0624	270	0.791
ENSP00000318142	3.22E-05	-0.0625	470	0.245
ENSP00000374152	2.11E-05	-0.0625	246	0.944
ENSP00000262061	2.56E-05	-0.0625	179	0.109
ENSP00000246533	2.26E-05	-0.0625	165	0.279
ENSP00000259803	4.53E-05	-0.0625	213	0.779
ENSP00000265379	4.56E-05	-0.0625	204	0.238
ENSP00000324948	2.91E-05	-0.0626	240	0.866
ENSP00000278829	8.45E-05	-0.0626	235	0.294



ENSP00000329380	2.99E-05	-0.0626	999	0.816
ENSP00000274764	1.94E-05	-0.0627	837	0.959
ENSP00000221455	2.23E-05	-0.0627	179	0.294
ENSP00000318602	2.24E-05	-0.0627	212	0.178
ENSP00000370750	2.99E-05	-0.0627	975	0.241
ENSP00000332449	6.33E-05	-0.0627	518	0.217
ENSP00000358565	8.74E-06	-0.0628	0	0.064
ENSP00000324573	2.18E-05	-0.0628	810	0.805
ENSP00000417653	3.81E-05	-0.0628	779	0.462
ENSP00000296486	3.09E-05	-0.0629	183	0.000
ENSP00000324287	4.93E-05	-0.0629	242	0.266
ENSP00000324191	9.96E-06	-0.0629	0	0.076
ENSP00000256707	2.24E-05	-0.0629	254	0.777
ENSP00000340328	1.85E-05	-0.0629	396	0.704
ENSP00000340278	3.29E-05	-0.0630	408	0.758
ENSP00000328596	3.61E-05	-0.0630	261	0.824
ENSP00000382318	1.62E-07	-0.0630	0	0.000
ENSP00000251020	2.41E-05	-0.0630	150	0.822
ENSP00000301904	2.64E-05	-0.0631	156	0.255
ENSP00000254035	2.59E-05	-0.0631	347	0.171
ENSP00000226209	2.11E-05	-0.0631	901	0.000
ENSP00000309031	5.72E-05	-0.0631	317	0.084
ENSP00000306772	3.30E-05	-0.0631	227	0.791
ENSP00000413196	9.78E-08	-0.0632	0	0.198
ENSP00000294244	1.65E-03	-0.0632	0	0.188
ENSP00000345470	1.11E-05	-0.0632	0	0.128
ENSP00000375234	4.38E-07	-0.0632	0	0.209
ENSP00000312309	7.09E-05	-0.0632	214	0.000
ENSP00000299238	5.53E-05	-0.0632	198	0.076
ENSP00000252723	1.03E-04	-0.0632	294	0.899
ENSP00000252951	2.45E-05	-0.0632	153	0.504
ENSP00000354742	3.09E-05	-0.0633	400	0.494
ENSP00000244496	2.35E-05	-0.0633	174	0.849
ENSP00000286827	2.26E-05	-0.0633	264	0.793
ENSP00000181839	1.70E-05	-0.0633	172	0.859
ENSP00000207437	2.04E-05	-0.0633	212	0.000
ENSP00000346402	3.02E-05	-0.0633	358	0.631
ENSP00000259253	3.12E-05	-0.0634	377	0.206
ENSP00000377686	2.18E-05	-0.0634	561	0.691
ENSP00000264160	1.06E-05	-0.0634	0	0.159
ENSP00000275766	8.17E-04	-0.0634	0	0.176
ENSP00000331368	1.91E-05	-0.0634	284	0.493
ENSP00000328335	7.65E-02	-0.0634	0	0.216
ENSP00000328768	7.65E-02	-0.0634	0	0.216
ENSP00000341333	7.65E-02	-0.0634	0	0.000
ENSP00000341988	7.65E-02	-0.0634	0	0.216

ENSP00000347211	7.05E-06	-0.0634	0	0.000
ENSP00000358228	7.05E-06	-0.0634	0	0.000
ENSP00000358372	7.05E-06	-0.0634	0	0.000
ENSP00000365266	7.05E-06	-0.0634	0	0.211
ENSP00000365289	7.05E-06	-0.0634	0	0.000
ENSP00000394705	7.05E-06	-0.0634	0	0.000
ENSP00000421868	7.05E-06	-0.0634	0	0.216
ENSP00000431179	7.05E-06	-0.0634	0	0.000
ENSP00000335004	2.54E-04	-0.0634	150	0.248
ENSP00000315614	2.87E-03	-0.0634	0	0.000
ENSP00000235347	7.20E-04	-0.0634	0	0.201
ENSP00000295658	4.44E-04	-0.0635	0	0.183
ENSP00000263431	1.69E-05	-0.0635	900	0.658
ENSP00000320232	6.58E-04	-0.0635	0	0.197
ENSP00000306991	4.03E-05	-0.0635	846	0.710
ENSP00000360682	7.05E-06	-0.0635	0	0.211
ENSP00000403130	7.05E-06	-0.0635	0	0.216
ENSP00000409009	7.05E-06	-0.0635	0	0.217
ENSP00000369986	1.93E-06	-0.0635	0	0.000
ENSP00000363529	7.05E-06	-0.0635	0	0.216
ENSP00000361765	7.05E-06	-0.0635	0	0.212
ENSP00000207870	2.92E-05	-0.0635	159	0.119
ENSP00000366347	2.57E-05	-0.0635	180	0.863
ENSP00000326411	3.36E-05	-0.0635	317	0.562
ENSP00000381857	7.05E-06	-0.0635	0	0.216
ENSP00000268679	2.98E-05	-0.0635	185	0.790
ENSP00000365302	7.05E-06	-0.0635	0	0.000
ENSP00000219919	1.72E-05	-0.0636	193	0.287
ENSP00000218439	2.90E-05	-0.0636	181	0.474
ENSP00000402301	3.61E-04	-0.0636	201	0.265
ENSP00000355778	2.57E-05	-0.0636	702	0.939
ENSP00000270310	4.91E-05	-0.0636	562	0.140
ENSP00000342075	1.73E-04	-0.0636	0	0.256
ENSP00000221671	1.81E-03	-0.0636	0	0.208
ENSP00000335041	1.06E-04	-0.0637	0	0.137
ENSP00000340935	3.05E-05	-0.0637	242	0.554
ENSP00000300035	8.46E-05	-0.0637	457	0.800
ENSP00000355437	3.24E-05	-0.0637	163	0.145
ENSP00000233025	2.16E-05	-0.0637	172	0.516
ENSP00000306106	5.94E-05	-0.0637	186	0.118
ENSP00000339324	1.51E-04	-0.0637	0	0.182
ENSP00000305426	2.61E-05	-0.0638	282	0.588
ENSP00000363516	7.08E-06	-0.0638	0	0.189
ENSP00000316527	1.01E-04	-0.0638	0	0.251
ENSP00000323199	3.74E-04	-0.0638	0	0.180
ENSP00000306320	2.16E-04	-0.0638	0	0.157

ENSP00000305263	2.07E-04	-0.0638	0	0.163
ENSP00000332134	2.08E-04	-0.0639	0	0.261
ENSP00000354842	3.04E-05	-0.0639	269	0.869
ENSP00000365576	6.71E-04	-0.0639	577	0.795
ENSP00000386444	7.50E-05	-0.0639	999	0.893
ENSP00000283351	3.19E-05	-0.0639	305	0.119
ENSP00000361596	8.67E-06	-0.0639	0	0.213
ENSP00000215531	1.42E-04	-0.0639	0	0.000
ENSP00000264229	3.46E-04	-0.0639	0	0.130
ENSP00000405965	6.82E-03	-0.0639	600	0.000
ENSP00000338641	1.25E-04	-0.0639	0	0.197
ENSP00000300650	1.27E-04	-0.0639	0	0.141
ENSP00000168977	2.60E-05	-0.0639	277	0.167
ENSP00000331363	1.55E-04	-0.0639	0	0.166
ENSP00000282074	3.01E-05	-0.0639	268	0.238
ENSP00000266126	2.31E-05	-0.0639	459	0.539
ENSP00000222005	1.67E-04	-0.0639	377	0.644
ENSP00000342938	2.25E-04	-0.0640	0	0.134
ENSP00000339374	6.89E-05	-0.0640	0	0.112
ENSP00000330237	2.38E-05	-0.0640	577	0.871
ENSP00000276416	5.17E-05	-0.0640	258	0.118
ENSP00000367787	3.58E-05	-0.0640	315	0.663
ENSP00000416387	2.34E-05	-0.0640	152	0.412
ENSP00000288087	7.82E-05	-0.0640	0	0.100
ENSP00000342098	2.76E-05	-0.0640	342	0.147
ENSP00000267502	3.78E-05	-0.0640	625	0.343
ENSP00000328364	4.91E-05	-0.0640	0	0.618
ENSP00000339186	2.61E-05	-0.0640	167	0.836
ENSP00000262812	2.90E-05	-0.0640	259	0.159
ENSP00000318075	8.68E-05	-0.0640	0	0.132
ENSP00000265016	2.94E-05	-0.0640	563	0.180
ENSP00000366280	1.33E-05	-0.0640	214	0.102
ENSP00000289269	8.72E-05	-0.0640	0	0.106
ENSP00000343891	6.66E-05	-0.0641	0	0.114
ENSP00000226225	1.10E-05	-0.0641	0	0.093
ENSP00000311398	7.92E-06	-0.0641	0	0.116
ENSP00000321691	9.34E-05	-0.0641	0	0.131
ENSP00000315474	6.88E-05	-0.0641	0	0.176
ENSP00000270538	2.82E-05	-0.0641	358	0.282
ENSP00000263073	3.10E-05	-0.0641	237	0.815
ENSP00000295079	8.30E-05	-0.0641	0	0.181
ENSP00000299705	2.17E-05	-0.0641	155	0.177
ENSP00000267996	6.15E-05	-0.0641	916	0.721
ENSP00000264031	7.97E-05	-0.0641	0	0.212
ENSP00000280704	1.86E-05	-0.0641	397	0.551
ENSP00000309907	1.17E-04	-0.0641	0	0.000

ENSP00000463159	5.99E-06	-0.0641	0	0.203
ENSP00000310057	1.06E-04	-0.0642	0	0.203
ENSP00000230419	1.82E-05	-0.0642	273	0.662
ENSP00000293662	2.14E-05	-0.0642	284	0.403
ENSP00000262982	2.53E-05	-0.0642	159	0.700
ENSP00000259470	2.62E-05	-0.0642	403	0.000
ENSP00000286031	1.30E-04	-0.0642	0	0.155
ENSP00000326706	4.49E-05	-0.0642	0	0.212
ENSP00000259608	5.23E-05	-0.0642	0	0.132
ENSP00000383407	1.33E-06	-0.0643	0	0.000
ENSP00000295124	1.60E-04	-0.0643	0	0.096
ENSP00000301284	3.82E-05	-0.0643	151	0.000
ENSP00000261434	2.47E-05	-0.0643	394	0.359
ENSP00000298552	2.91E-05	-0.0643	163	0.819
ENSP00000300283	2.31E-05	-0.0643	347	0.177
ENSP00000303356	2.55E-05	-0.0643	194	0.310
ENSP00000314619	2.98E-05	-0.0643	215	0.399
ENSP00000309189	2.09E-04	-0.0643	0	0.121
ENSP00000299518	1.99E-05	-0.0643	197	0.554
ENSP00000295641	5.00E-05	-0.0644	482	0.343
ENSP00000303427	2.33E-05	-0.0644	203	0.576
ENSP00000441954	4.88E-05	-0.0644	525	0.891
ENSP00000279206	7.72E-05	-0.0644	0	0.093
ENSP00000366999	2.11E-05	-0.0644	800	0.955
ENSP00000217999	6.56E-06	-0.0644	0	0.691
ENSP00000342222	2.57E-05	-0.0644	302	0.455
ENSP00000333568	2.23E-05	-0.0644	282	0.815
ENSP00000292090	5.90E-05	-0.0644	0	0.103
ENSP00000086933	7.51E-06	-0.0644	0	0.701
ENSP00000350378	1.23E-05	-0.0644	0	0.092
ENSP00000312367	4.29E-05	-0.0644	0	0.346
ENSP00000338288	7.72E-05	-0.0644	0	0.000
ENSP00000385045	9.95E-05	-0.0645	908	0.769
ENSP00000416015	4.37E-05	-0.0645	338	0.478
ENSP00000435096	4.18E-05	-0.0645	171	0.757
ENSP00000233616	2.31E-05	-0.0645	445	0.295
ENSP00000264708	3.93E-05	-0.0645	873	0.919
ENSP00000314518	3.32E-05	-0.0645	0	0.094
ENSP00000311496	2.76E-05	-0.0645	205	0.240
ENSP00000296679	5.06E-05	-0.0645	0	0.145
ENSP00000395505	2.96E-05	-0.0645	191	0.156
ENSP00000330825	3.63E-05	-0.0645	252	0.718
ENSP00000432561	4.55E-05	-0.0645	282	0.698
ENSP00000349931	2.19E-06	-0.0645	0	0.189
ENSP00000331397	4.70E-05	-0.0645	0	0.172
ENSP00000310573	7.15E-05	-0.0646	0	0.139

ENSP00000382323	1.80E-05	-0.0646	0	0.131
ENSP00000245934	4.11E-05	-0.0646	167	0.536
ENSP00000286067	8.71E-05	-0.0646	0	0.314
ENSP00000292524	7.21E-05	-0.0646	0	0.154
ENSP00000321029	4.54E-05	-0.0646	0	0.134
ENSP00000217420	2.82E-05	-0.0646	195	0.340
ENSP00000301678	4.76E-05	-0.0646	0	0.000
ENSP00000327691	2.20E-05	-0.0647	288	0.000
ENSP00000280083	8.13E-05	-0.0647	0	0.182
ENSP00000451575	1.39E-04	-0.0647	324	0.690
ENSP00000265465	2.39E-05	-0.0647	154	0.665
ENSP00000224073	2.22E-05	-0.0647	152	0.490
ENSP00000196371	1.85E-05	-0.0647	480	0.256
ENSP00000274605	1.16E-04	-0.0647	0	0.153
ENSP00000265978	5.41E-05	-0.0647	0	0.158
ENSP00000324404	3.78E-05	-0.0647	186	0.100
ENSP00000266022	4.61E-05	-0.0647	0	0.109
ENSP00000341957	3.61E-05	-0.0647	810	0.729
ENSP00000262177	1.72E-05	-0.0647	904	0.475
ENSP00000264448	2.27E-05	-0.0647	606	0.000
ENSP00000331845	3.93E-05	-0.0647	0	0.140
ENSP00000339637	5.20E-05	-0.0647	0	0.244
ENSP00000250340	5.02E-05	-0.0647	0	0.138
ENSP00000261250	6.24E-05	-0.0647	0	0.135
ENSP00000270502	4.49E-05	-0.0647	0	0.081
ENSP00000322469	8.21E-05	-0.0648	0	0.171
ENSP00000339634	3.09E-05	-0.0648	0	0.132
ENSP00000340668	4.42E-05	-0.0648	0	0.138
ENSP00000358038	2.29E-05	-0.0648	167	0.211
ENSP00000313226	5.64E-05	-0.0648	0	0.172
ENSP00000299191	4.85E-03	-0.0648	0	0.204
ENSP00000322229	4.29E-05	-0.0648	328	0.582
ENSP00000244050	4.40E-05	-0.0648	921	0.932
ENSP00000263256	1.08E-04	-0.0648	0	0.139
ENSP00000251343	9.26E-05	-0.0648	0	0.144
ENSP00000329360	3.21E-05	-0.0648	0	0.086
ENSP00000316681	5.13E-05	-0.0648	0	0.000
ENSP00000297205	4.63E-05	-0.0649	0	0.110
ENSP00000278426	4.87E-05	-0.0649	0	0.160
ENSP00000357516	5.95E-05	-0.0649	915	0.729
ENSP00000342499	5.68E-05	-0.0649	0	0.089
ENSP00000288602	2.01E-05	-0.0649	277	0.848
ENSP00000197268	4.51E-05	-0.0649	0	0.000
ENSP00000307887	4.94E-05	-0.0649	182	0.145
ENSP00000268314	4.30E-05	-0.0649	0	0.244
ENSP00000309233	1.76E-04	-0.0649	0	0.170

ENSP00000301659	4.35E-05	-0.0649	0	0.110
ENSP00000310260	2.03E-05	-0.0649	561	0.219
ENSP00000344655	4.04E-05	-0.0649	0	0.000
ENSP00000239367	5.20E-05	-0.0649	0	0.196
ENSP00000249014	6.73E-05	-0.0649	0	0.121
ENSP00000253108	2.02E-05	-0.0649	567	0.896
ENSP00000303987	4.77E-05	-0.0650	0	0.116
ENSP00000293845	4.33E-05	-0.0650	0	0.119
ENSP00000327994	3.19E-05	-0.0650	0	0.122
ENSP00000374037	2.24E-05	-0.0650	215	0.203
ENSP00000297532	5.63E-05	-0.0650	0	0.189
ENSP00000341324	3.63E-05	-0.0650	0	0.095
ENSP00000448789	1.24E-07	-0.0650	0	0.219
ENSP00000319006	2.95E-05	-0.0650	0	0.419
ENSP00000303490	5.52E-05	-0.0650	0	0.161
ENSP00000309576	2.97E-05	-0.0650	396	0.098
ENSP00000321427	2.59E-05	-0.0650	175	0.138
ENSP00000313046	3.58E-05	-0.0650	241	0.000
ENSP00000343990	3.25E-05	-0.0651	0	0.121
ENSP00000341565	3.20E-05	-0.0651	0	0.141
ENSP00000229340	3.28E-05	-0.0651	451	0.148
ENSP00000328478	3.77E-05	-0.0651	302	0.385
ENSP00000362446	1.45E-05	-0.0651	242	0.740
ENSP00000309561	3.81E-05	-0.0651	0	0.121
ENSP00000312158	3.79E-05	-0.0651	0	0.144
ENSP00000338989	3.30E-05	-0.0651	576	0.000
ENSP00000317175	4.19E-05	-0.0651	0	0.157
ENSP00000221859	1.82E-05	-0.0651	272	0.825
ENSP00000340896	3.00E-05	-0.0651	265	0.884
ENSP00000316029	4.63E-05	-0.0651	927	0.703
ENSP00000269053	3.62E-05	-0.0651	0	0.097
ENSP00000337632	3.03E-05	-0.0652	670	0.452
ENSP00000310861	2.48E-05	-0.0652	0	0.136
ENSP00000341422	2.57E-05	-0.0652	305	0.332
ENSP00000232888	1.74E-05	-0.0652	644	0.888
ENSP00000360538	2.42E-05	-0.0652	221	0.453
ENSP00000242784	5.08E-05	-0.0652	0	0.240
ENSP00000244926	4.69E-05	-0.0652	0	0.173
ENSP00000259229	6.55E-05	-0.0652	0	0.163
ENSP00000292246	2.44E-05	-0.0652	230	0.176
ENSP00000274364	3.77E-05	-0.0652	292	0.353
ENSP00000326884	2.78E-05	-0.0652	300	0.000
ENSP00000230658	4.74E-05	-0.0652	323	0.861
ENSP00000267199	2.55E-05	-0.0652	644	0.215
ENSP00000258145	2.09E-05	-0.0652	198	0.316
ENSP00000300976	3.90E-05	-0.0652	0	0.158

ENSP00000330587	3.31E-05	-0.0652	0	0.091
ENSP00000264474	7.76E-05	-0.0652	254	0.192
ENSP00000229633	6.09E-05	-0.0652	0	0.163
ENSP00000328426	3.74E-05	-0.0652	0	0.152
ENSP00000366098	9.73E-06	-0.0652	0	0.106
ENSP00000301242	2.23E-05	-0.0652	207	0.538
ENSP00000346508	1.78E-04	-0.0652	644	0.925
ENSP00000372651	5.70E-06	-0.0652	0	0.000
ENSP00000276603	5.00E-05	-0.0652	159	0.703
ENSP00000318185	4.43E-05	-0.0652	0	0.117
ENSP00000282633	3.93E-05	-0.0652	0	0.132
ENSP00000364739	1.08E-06	-0.0652	0	0.000
ENSP00000231173	4.71E-05	-0.0652	0	0.129
ENSP00000298784	4.44E-05	-0.0652	0	0.241
ENSP00000325414	6.86E-05	-0.0652	0	0.177
ENSP00000258969	2.47E-05	-0.0653	363	0.752
ENSP00000289805	3.31E-05	-0.0653	0	0.136
ENSP00000223336	6.69E-05	-0.0653	0	0.144
ENSP00000302077	9.42E-05	-0.0653	0	0.198
ENSP00000299427	2.35E-05	-0.0653	418	0.165
ENSP00000322170	2.12E-05	-0.0653	213	0.458
ENSP00000333193	2.18E-05	-0.0653	163	0.294
ENSP00000262764	1.93E-05	-0.0653	298	0.371
ENSP00000309230	3.49E-05	-0.0653	151	0.155
ENSP00000301219	1.12E-05	-0.0653	0	0.000
ENSP00000261888	3.52E-05	-0.0653	0	0.178
ENSP00000294517	2.68E-05	-0.0653	316	0.000
ENSP00000244601	1.60E-05	-0.0653	898	0.000
ENSP00000471878	8.35E-08	-0.0653	0	0.000
ENSP00000309096	2.27E-05	-0.0653	901	0.000
ENSP00000251166	3.90E-05	-0.0653	0	0.105
ENSP00000348799	3.79E-05	-0.0653	0	0.402
ENSP00000305892	3.39E-05	-0.0653	0	0.133
ENSP00000305502	3.16E-05	-0.0654	312	0.198
ENSP00000314396	4.27E-05	-0.0654	0	0.000
ENSP00000361855	2.83E-05	-0.0654	252	0.185
ENSP00000265342	3.99E-05	-0.0654	0	0.134
ENSP00000251038	2.14E-05	-0.0654	173	0.761
ENSP00000220509	2.39E-05	-0.0654	192	0.169
ENSP00000262055	6.33E-05	-0.0654	0	0.108
ENSP00000398273	2.06E-05	-0.0654	212	0.852
ENSP00000258083	6.00E-05	-0.0654	0	0.125
ENSP00000296096	2.09E-05	-0.0654	242	0.651
ENSP00000263341	4.18E-05	-0.0654	939	0.960
ENSP00000161863	1.33E-05	-0.0654	345	0.930
ENSP00000316109	2.50E-05	-0.0654	250	0.283

ENSP00000307889	2.18E-05	-0.0655	203	0.851
ENSP00000339007	9.63E-05	-0.0655	580	0.940
ENSP00000310117	3.01E-05	-0.0655	0	0.081
ENSP00000194152	4.06E-05	-0.0655	0	0.128
ENSP00000288873	3.36E-05	-0.0655	0	0.154
ENSP00000340200	2.05E-05	-0.0655	150	0.209
ENSP00000313391	2.30E-05	-0.0655	184	0.668
ENSP00000367926	1.17E-07	-0.0655	0	0.000
ENSP00000350005	2.41E-05	-0.0655	239	0.680
ENSP00000286186	1.97E-05	-0.0655	181	0.797
ENSP00000342604	2.94E-05	-0.0655	0	0.124
ENSP00000265018	3.49E-05	-0.0655	0	0.161
ENSP00000295453	1.85E-05	-0.0655	157	0.215
ENSP00000288757	3.04E-05	-0.0655	0	0.143
ENSP00000299977	2.28E-05	-0.0655	0	0.092
ENSP00000412733	2.87E-05	-0.0655	427	0.141
ENSP00000325785	2.18E-05	-0.0656	338	0.411
ENSP00000339207	2.59E-05	-0.0656	0	0.142
ENSP00000231130	4.23E-05	-0.0656	0	0.123
ENSP00000433511	1.91E-05	-0.0656	727	0.587
ENSP00000315011	7.11E-05	-0.0656	345	0.816
ENSP00000303398	3.09E-05	-0.0656	0	0.464
ENSP00000331258	1.73E-05	-0.0656	0	0.000
ENSP00000320359	5.17E-05	-0.0656	0	0.000
ENSP00000330361	1.41E-05	-0.0656	0	0.215
ENSP00000281871	3.17E-05	-0.0656	0	0.075
ENSP00000303570	3.22E-05	-0.0656	0	0.173
ENSP00000240651	3.04E-05	-0.0656	0	0.096
ENSP00000315386	1.95E-05	-0.0656	0	0.098
ENSP00000263401	5.23E-05	-0.0656	0	0.167
ENSP00000287859	3.15E-05	-0.0656	0	0.129
ENSP00000254691	6.49E-05	-0.0656	0	0.182
ENSP00000273541	2.39E-05	-0.0656	458	0.605
ENSP00000333539	2.11E-05	-0.0656	0	0.627
ENSP00000257901	1.55E-05	-0.0656	0	0.116
ENSP00000254742	5.55E-05	-0.0656	0	0.113
ENSP00000222812	2.29E-05	-0.0656	377	0.257
ENSP00000297533	2.90E-05	-0.0656	0	0.104
ENSP00000276654	2.92E-05	-0.0656	0	0.122
ENSP00000339835	1.90E-05	-0.0656	702	0.960
ENSP00000299952	3.21E-05	-0.0657	0	0.117
ENSP00000358674	7.76E-05	-0.0657	489	0.673
ENSP00000297613	3.26E-05	-0.0657	0	0.471
ENSP00000321737	2.62E-05	-0.0657	0	0.151
ENSP00000255174	5.45E-05	-0.0657	0	0.000
ENSP00000321606	2.25E-05	-0.0657	836	0.397



ENSP00000326379	2.95E-05	-0.0657	0	0.432
ENSP00000308137	2.08E-05	-0.0657	0	0.053
ENSP00000332602	2.70E-05	-0.0657	0	0.469
ENSP00000377520	1.05E-05	-0.0657	0	0.081
ENSP00000338706	2.94E-05	-0.0658	0	0.129
ENSP00000233712	4.47E-05	-0.0658	0	0.165
ENSP00000268138	2.88E-05	-0.0658	0	0.507
ENSP00000299633	2.96E-05	-0.0658	0	0.000
ENSP00000341543	2.01E-05	-0.0658	380	0.120
ENSP00000264834	2.50E-04	-0.0658	214	0.816
ENSP00000292140	3.12E-05	-0.0658	0	0.102
ENSP00000171887	2.26E-05	-0.0658	435	0.894
ENSP00000460371	1.34E-05	-0.0658	227	0.174
ENSP00000246672	5.71E-05	-0.0658	201	0.791
ENSP00000320251	2.40E-05	-0.0658	0	0.105
ENSP00000340969	2.24E-05	-0.0658	0	0.124
ENSP00000340761	2.50E-05	-0.0658	0	0.167
ENSP00000263563	2.79E-05	-0.0658	0	0.064
ENSP00000216420	3.56E-05	-0.0658	0	0.139
ENSP00000282884	2.56E-05	-0.0658	0	0.130
ENSP00000353732	7.79E-06	-0.0658	0	0.081
ENSP00000344446	2.12E-05	-0.0658	0	0.181
ENSP00000353735	3.25E-05	-0.0659	270	0.374
ENSP00000299413	2.09E-05	-0.0659	0	0.119
ENSP00000338838	2.92E-05	-0.0659	0	0.000
ENSP00000395465	2.58E-05	-0.0659	0	0.000
ENSP00000343223	2.39E-05	-0.0659	0	0.117
ENSP00000216446	4.09E-05	-0.0659	0	0.120
ENSP00000221418	2.08E-05	-0.0659	189	0.443
ENSP00000306496	2.37E-05	-0.0659	284	0.243
ENSP00000309751	1.86E-05	-0.0659	0	0.090
ENSP00000248098	3.87E-05	-0.0659	0	0.154
ENSP00000225567	1.60E-05	-0.0659	167	0.229
ENSP00000337950	8.38E-06	-0.0659	0	0.000
ENSP00000313140	2.50E-05	-0.0659	0	0.327
ENSP00000321370	2.17E-05	-0.0659	0	0.141
ENSP00000277746	2.36E-05	-0.0659	0	0.109
ENSP00000386935	1.06E-05	-0.0659	0	0.095
ENSP00000262809	2.56E-04	-0.0659	503	0.707
ENSP00000376076	1.10E-04	-0.0659	627	0.845
ENSP00000266736	2.21E-05	-0.0660	0	0.132
ENSP00000216190	1.66E-05	-0.0660	549	0.881
ENSP00000228510	2.56E-05	-0.0660	254	0.427
ENSP00000206474	3.09E-05	-0.0660	0	0.108
ENSP00000338013	2.02E-05	-0.0660	0	0.000
ENSP00000239449	3.90E-05	-0.0660	0	0.100

ENSP00000334958	2.21E-05	-0.0660	0	0.118
ENSP00000216802	2.63E-05	-0.0660	198	0.421
ENSP00000242210	2.23E-05	-0.0660	236	0.146
ENSP00000325681	1.95E-05	-0.0660	0	0.125
ENSP00000339992	4.66E-05	-0.0660	826	0.000
ENSP00000271843	2.13E-05	-0.0661	193	0.177
ENSP00000335595	2.70E-05	-0.0661	0	0.094
ENSP00000311500	2.56E-05	-0.0661	0	0.062
ENSP00000303769	2.52E-05	-0.0661	152	0.104
ENSP00000298317	2.43E-05	-0.0661	236	0.718
ENSP00000322249	1.97E-05	-0.0661	0	0.162
ENSP00000325822	2.36E-05	-0.0661	181	0.586
ENSP00000302569	1.83E-05	-0.0661	177	0.479
ENSP00000312606	2.38E-05	-0.0661	253	0.280
ENSP00000305069	2.29E-05	-0.0661	0	0.112
ENSP00000307292	3.28E-05	-0.0661	0	0.226
ENSP00000331843	1.73E-05	-0.0661	338	0.000
ENSP00000328216	1.97E-05	-0.0661	197	0.000
ENSP00000194155	3.47E-05	-0.0661	0	0.139
ENSP00000239446	2.70E-05	-0.0661	0	0.120
ENSP00000302833	3.26E-05	-0.0661	0	0.131
ENSP00000288228	2.18E-05	-0.0661	0	0.121
ENSP00000366374	1.32E-06	-0.0661	0	0.216
ENSP00000296129	2.20E-05	-0.0661	0	0.265
ENSP00000298690	2.67E-05	-0.0661	0	0.101
ENSP00000333656	1.66E-05	-0.0662	0	0.522
ENSP00000259056	2.40E-05	-0.0662	0	0.102
ENSP00000261244	2.51E-05	-0.0662	0	0.112
ENSP00000289953	2.10E-05	-0.0662	0	0.133
ENSP00000054666	2.43E-05	-0.0662	346	0.246
ENSP00000338050	1.41E-05	-0.0662	0	0.252
ENSP00000205194	3.41E-05	-0.0662	0	0.117
ENSP00000269389	2.76E-05	-0.0662	0	0.213
ENSP00000237858	1.63E-05	-0.0662	240	0.388
ENSP00000306396	3.05E-05	-0.0662	0	0.115
ENSP00000215770	2.58E-05	-0.0662	0	0.078
ENSP00000311320	1.54E-05	-0.0662	0	0.137
ENSP00000395538	1.19E-05	-0.0662	0	0.289
ENSP00000301939	3.97E-05	-0.0662	0	0.125
ENSP00000296824	3.42E-05	-0.0662	0	0.133
ENSP00000274458	3.18E-05	-0.0663	0	0.164
ENSP00000258052	3.52E-05	-0.0663	313	0.390
ENSP00000247712	2.95E-05	-0.0663	0	0.000
ENSP00000011473	3.82E-05	-0.0663	0	0.165
ENSP00000365906	2.98E-05	-0.0663	0	0.684
ENSP00000312304	2.80E-05	-0.0663	198	0.115

ENSP00000341213	1.31E-05	-0.0663	0	0.134
ENSP00000262947	3.03E-05	-0.0663	502	0.000
ENSP00000225328	2.48E-05	-0.0663	0	0.099
ENSP00000272139	4.13E-05	-0.0663	186	0.431
ENSP00000376445	1.98E-05	-0.0663	163	0.762
ENSP00000314458	4.07E-05	-0.0663	891	0.752
ENSP00000292778	2.08E-05	-0.0664	0	0.077
ENSP00000265806	3.37E-05	-0.0664	0	0.133
ENSP00000313422	4.12E-05	-0.0664	0	0.162
ENSP00000291900	2.61E-05	-0.0664	201	0.111
ENSP00000248248	2.00E-05	-0.0664	158	0.087
ENSP00000261740	1.61E-05	-0.0664	234	0.590
ENSP00000407509	1.62E-04	-0.0664	471	0.629
ENSP00000262415	1.77E-05	-0.0664	725	0.951
ENSP00000358131	7.69E-06	-0.0664	0	0.000
ENSP00000223073	1.86E-05	-0.0664	372	0.898
ENSP00000264012	2.06E-05	-0.0664	196	0.694
ENSP00000216185	1.29E-05	-0.0664	415	0.630
ENSP00000334216	1.39E-05	-0.0664	0	0.094
ENSP00000341657	2.19E-05	-0.0664	0	0.089
ENSP00000334037	1.79E-05	-0.0664	0	0.162
ENSP00000254051	3.02E-05	-0.0664	0	0.190
ENSP00000255674	3.10E-05	-0.0664	0	0.107
ENSP00000316284	1.74E-05	-0.0664	0	0.218
ENSP00000332148	2.05E-05	-0.0664	0	0.113
ENSP00000317542	2.83E-05	-0.0664	461	0.000
ENSP00000293406	2.45E-05	-0.0664	207	0.705
ENSP00000319831	2.61E-05	-0.0664	0	0.149
ENSP00000280800	2.47E-05	-0.0664	0	0.086
ENSP00000319412	3.17E-05	-0.0664	0	0.093
ENSP00000299088	3.52E-05	-0.0664	0	0.125
ENSP00000264712	2.11E-05	-0.0664	196	0.308
ENSP00000322238	2.38E-05	-0.0664	0	0.106
ENSP00000316244	2.24E-05	-0.0665	414	0.709
ENSP00000342023	1.77E-05	-0.0665	0	0.176
ENSP00000337991	1.86E-05	-0.0665	0	0.114
ENSP00000263126	2.31E-05	-0.0665	243	0.225
ENSP00000280987	2.05E-05	-0.0665	0	0.162
ENSP00000270645	2.95E-05	-0.0665	0	0.150
ENSP00000312649	3.14E-05	-0.0665	211	0.679
ENSP00000219315	3.62E-05	-0.0665	0	0.357
ENSP00000249269	1.67E-05	-0.0665	204	0.436
ENSP00000290155	2.13E-05	-0.0665	0	0.120
ENSP00000363257	8.66E-06	-0.0665	0	0.085
ENSP00000312550	1.83E-05	-0.0665	0	0.211
ENSP00000206544	2.80E-05	-0.0665	0	0.112

ENSP00000306105	1.96E-05	-0.0665	0	0.104
ENSP00000256186	3.13E-05	-0.0665	0	0.108
ENSP00000269491	2.57E-05	-0.0665	0	0.207
ENSP00000308330	1.91E-05	-0.0665	0	0.113
ENSP00000340093	2.16E-05	-0.0665	215	0.115
ENSP00000344503	2.48E-05	-0.0665	201	0.151
ENSP00000221130	3.80E-05	-0.0665	429	0.727
ENSP00000262518	1.73E-05	-0.0665	196	0.944
ENSP00000279907	4.06E-05	-0.0665	0	0.122
ENSP00000272732	1.90E-05	-0.0665	0	0.172
ENSP00000295746	3.35E-05	-0.0665	0	0.215
ENSP00000344683	6.89E-05	-0.0665	581	0.247
ENSP00000327487	1.60E-05	-0.0665	0	0.266
ENSP00000008391	2.25E-05	-0.0665	0	0.427
ENSP00000257013	2.35E-05	-0.0665	0	0.131
ENSP00000293443	2.07E-05	-0.0666	0	0.119
ENSP00000291416	2.12E-05	-0.0666	0	0.121
ENSP00000315387	2.70E-05	-0.0666	0	0.150
ENSP00000327506	3.40E-05	-0.0666	0	0.098
ENSP00000343298	1.57E-05	-0.0666	0	0.142
ENSP00000363344	2.05E-05	-0.0666	175	0.680
ENSP00000272424	2.19E-05	-0.0666	526	0.116
ENSP00000288699	1.83E-05	-0.0666	194	0.330
ENSP00000265140	2.11E-05	-0.0666	157	0.000
ENSP00000363348	1.38E-05	-0.0666	0	0.000
ENSP00000265807	1.84E-05	-0.0666	0	0.094
ENSP00000253669	2.93E-05	-0.0666	0	0.107
ENSP00000417257	2.07E-04	-0.0666	200	0.608
ENSP00000264501	3.86E-05	-0.0667	167	0.290
ENSP00000264108	1.88E-05	-0.0667	264	0.856
ENSP00000295600	3.48E-05	-0.0667	286	0.000
ENSP00000323645	2.33E-05	-0.0667	0	0.105
ENSP00000301021	2.16E-05	-0.0667	591	0.083
ENSP00000219139	2.36E-05	-0.0667	0	0.111
ENSP00000344724	2.63E-05	-0.0667	269	0.915
ENSP00000396505	1.10E-07	-0.0667	0	0.000
ENSP00000259006	2.28E-05	-0.0667	0	0.217
ENSP00000254900	2.81E-05	-0.0667	0	0.760
ENSP00000295304	1.83E-05	-0.0667	0	0.116
ENSP00000162044	3.02E-05	-0.0667	0	0.163
ENSP00000303158	2.63E-05	-0.0667	0	0.083
ENSP00000338387	3.32E-05	-0.0667	179	0.243
ENSP00000274507	2.71E-05	-0.0667	0	0.152
ENSP00000356985	2.15E-05	-0.0667	179	0.377
ENSP00000222574	2.07E-05	-0.0667	0	0.485
ENSP00000333283	1.85E-05	-0.0667	0	0.000

ENSP00000320239	4.82E-05	-0.0667	271	0.443
ENSP00000295924	1.96E-05	-0.0667	0	0.105
ENSP00000316782	1.99E-05	-0.0668	0	0.167
ENSP00000310803	1.38E-05	-0.0668	0	0.148
ENSP00000344254	1.95E-05	-0.0668	160	0.485
ENSP00000252655	2.15E-05	-0.0668	0	0.133
ENSP00000315564	1.71E-05	-0.0668	0	0.123
ENSP00000011619	3.02E-05	-0.0668	150	0.389
ENSP00000231134	2.56E-05	-0.0668	0	0.120
ENSP00000272342	4.03E-05	-0.0668	0	0.158
ENSP00000265523	1.20E-05	-0.0668	0	0.158
ENSP00000289361	2.45E-05	-0.0668	0	0.155
ENSP00000296292	2.72E-05	-0.0668	0	0.091
ENSP00000283303	2.04E-05	-0.0668	0	0.000
ENSP00000263379	2.22E-05	-0.0668	0	0.491
ENSP00000312017	2.17E-05	-0.0668	0	0.092
ENSP00000258417	2.17E-05	-0.0668	0	0.123
ENSP00000225525	2.49E-05	-0.0668	218	0.104
ENSP00000261758	3.98E-05	-0.0668	167	0.266
ENSP00000006526	2.11E-05	-0.0668	0	0.179
ENSP00000257604	1.94E-05	-0.0668	0	0.295
ENSP00000322532	1.94E-05	-0.0669	0	0.380
ENSP00000215582	2.08E-05	-0.0669	0	0.000
ENSP00000306887	1.59E-05	-0.0669	0	0.140
ENSP00000239027	1.58E-05	-0.0669	161	0.925
ENSP00000295082	2.06E-05	-0.0669	195	0.177
ENSP00000320815	2.25E-05	-0.0669	215	0.100
ENSP00000300030	2.43E-05	-0.0669	0	0.107
ENSP00000338389	1.17E-05	-0.0669	0	0.228
ENSP00000231137	1.76E-05	-0.0669	0	0.101
ENSP00000261796	2.53E-05	-0.0669	0	0.339
ENSP00000253047	1.78E-05	-0.0669	0	0.109
ENSP00000297283	2.00E-05	-0.0669	368	0.471
ENSP00000333456	2.10E-05	-0.0669	0	0.142
ENSP00000304903	2.33E-05	-0.0669	200	0.699
ENSP00000314544	1.49E-05	-0.0669	0	0.096
ENSP00000320650	1.88E-05	-0.0669	776	0.317
ENSP00000310305	2.02E-05	-0.0669	850	0.603
ENSP00000473092	1.35E-05	-0.0669	300	0.000
ENSP00000312250	1.93E-05	-0.0669	0	0.072
ENSP00000264313	2.84E-05	-0.0669	0	0.132
ENSP00000273375	1.91E-05	-0.0669	0	0.112
ENSP00000231368	1.69E-05	-0.0670	750	0.527
ENSP00000251250	6.31E-05	-0.0670	0	0.175
ENSP00000241527	2.19E-05	-0.0670	0	0.000
ENSP00000338796	2.38E-05	-0.0670	0	0.209

ENSP00000301244	1.66E-05	-0.0670	0	0.179
ENSP00000317431	1.30E-05	-0.0670	0	0.113
ENSP00000453854	2.45E-05	-0.0670	194	0.128
ENSP00000279477	3.03E-05	-0.0670	0	0.134
ENSP00000274030	2.33E-05	-0.0670	0	0.122
ENSP00000383690	2.06E-05	-0.0670	167	0.263
ENSP00000268720	1.45E-05	-0.0670	0	0.135
ENSP00000244930	2.99E-05	-0.0670	0	0.148
ENSP00000319009	1.81E-05	-0.0670	0	0.104
ENSP00000281437	1.90E-05	-0.0670	0	0.587
ENSP00000263461	2.38E-05	-0.0670	0	0.527
ENSP00000245908	2.37E-05	-0.0670	0	0.380
ENSP00000290536	1.31E-05	-0.0670	0	0.154
ENSP00000332757	1.53E-05	-0.0670	0	0.089
ENSP00000261944	1.53E-05	-0.0670	0	0.089
ENSP00000318883	2.18E-05	-0.0671	0	0.093
ENSP00000307765	2.20E-05	-0.0671	0	0.170
ENSP00000303077	2.35E-05	-0.0671	186	0.325
ENSP00000359221	2.61E-05	-0.0671	153	0.204
ENSP00000263650	3.47E-05	-0.0671	427	0.175
ENSP00000240922	1.68E-05	-0.0671	213	0.507
ENSP00000256366	2.77E-05	-0.0671	0	0.109
ENSP00000295117	1.39E-05	-0.0671	0	0.000
ENSP00000361547	5.33E-06	-0.0671	0	0.744
ENSP00000331342	2.01E-05	-0.0671	0	0.117
ENSP00000384554	1.15E-04	-0.0671	501	0.697
ENSP00000337313	2.11E-05	-0.0671	0	0.000
ENSP00000321544	2.12E-05	-0.0671	0	0.086
ENSP00000260118	2.10E-05	-0.0671	215	0.148
ENSP00000300917	1.98E-05	-0.0671	0	0.695
ENSP00000310726	1.40E-05	-0.0671	0	0.000
ENSP00000349145	1.98E-05	-0.0671	244	0.322
ENSP00000262715	1.61E-05	-0.0671	181	0.833
ENSP00000284694	2.17E-05	-0.0671	341	0.320
ENSP00000220420	2.14E-05	-0.0671	0	0.176
ENSP00000343635	2.19E-05	-0.0671	0	0.136
ENSP00000327468	1.53E-05	-0.0671	0	0.102
ENSP00000318406	2.26E-05	-0.0672	0	0.104
ENSP00000286070	2.61E-05	-0.0672	0	0.128
ENSP00000306561	2.08E-05	-0.0672	181	0.730
ENSP00000245817	2.23E-05	-0.0672	0	0.561
ENSP00000348634	3.21E-05	-0.0672	910	0.810
ENSP00000269221	4.60E-05	-0.0672	0	0.166
ENSP00000262293	1.81E-05	-0.0672	0	0.102
ENSP00000312070	1.82E-05	-0.0672	0	0.114
ENSP00000315371	1.97E-05	-0.0672	0	0.306

ENSP00000260247	2.82E-05	-0.0672	0	0.216
ENSP00000261778	1.94E-05	-0.0672	0	0.117
ENSP00000304290	1.64E-05	-0.0672	0	0.375
ENSP00000296849	2.74E-05	-0.0672	179	0.607
ENSP00000241651	3.55E-05	-0.0672	309	0.875
ENSP00000337773	1.15E-05	-0.0672	0	0.108
ENSP00000295702	1.96E-05	-0.0672	176	0.412
ENSP00000258381	4.41E-05	-0.0672	204	0.331
ENSP00000248121	1.73E-05	-0.0672	0	0.086
ENSP00000324810	1.64E-05	-0.0672	0	0.074
ENSP00000336724	2.53E-05	-0.0672	300	0.170
ENSP00000270357	2.27E-05	-0.0672	336	0.329
ENSP00000312663	1.49E-05	-0.0672	0	0.306
ENSP00000227638	1.86E-05	-0.0672	0	0.336
ENSP00000324960	2.23E-05	-0.0672	414	0.646
ENSP00000296440	8.85E-06	-0.0673	0	0.709
ENSP00000310356	1.44E-05	-0.0673	0	0.559
ENSP00000312702	1.62E-05	-0.0673	0	0.174
ENSP00000317579	1.58E-05	-0.0673	181	0.191
ENSP00000327459	1.40E-05	-0.0673	0	0.134
ENSP00000332359	2.75E-05	-0.0673	0	0.089
ENSP00000299638	2.38E-05	-0.0673	0	0.339
ENSP00000334849	1.59E-05	-0.0673	0	0.096
ENSP00000326227	1.67E-05	-0.0673	433	0.193
ENSP00000256538	2.10E-05	-0.0673	0	0.000
ENSP00000293745	1.50E-05	-0.0673	0	0.258
ENSP00000313699	2.82E-05	-0.0673	173	0.142
ENSP00000329918	1.42E-05	-0.0673	0	0.118
ENSP00000331327	5.82E-05	-0.0673	865	0.893
ENSP00000295148	3.18E-05	-0.0673	0	0.467
ENSP00000326924	1.75E-05	-0.0673	0	0.124
ENSP00000288912	1.46E-05	-0.0673	0	0.089
ENSP00000287996	1.86E-05	-0.0673	0	0.066
ENSP00000240617	2.48E-05	-0.0673	0	0.107
ENSP00000269228	2.27E-05	-0.0673	509	0.407
ENSP00000269499	1.81E-05	-0.0673	0	0.129
ENSP00000237536	2.16E-05	-0.0674	0	0.157
ENSP00000299886	1.63E-05	-0.0674	343	0.181
ENSP00000262146	2.26E-05	-0.0674	0	0.101
ENSP00000288014	1.43E-05	-0.0674	0	0.069
ENSP00000234195	3.11E-05	-0.0674	0	0.112
ENSP00000222120	2.31E-05	-0.0674	242	0.209
ENSP00000298546	1.40E-05	-0.0674	0	0.066
ENSP00000296581	2.08E-05	-0.0674	262	0.790
ENSP00000294507	1.94E-05	-0.0674	0	0.143
ENSP00000301011	2.26E-05	-0.0674	0	0.544

ENSP00000296380	2.62E-05	-0.0674	0	0.106
ENSP00000305524	1.35E-05	-0.0674	0	0.317
ENSP00000325941	7.27E-05	-0.0674	543	0.183
ENSP00000305161	1.59E-05	-0.0674	0	0.280
ENSP00000301295	1.79E-05	-0.0674	0	0.172
ENSP00000215591	2.23E-05	-0.0674	168	0.000
ENSP00000329471	2.28E-05	-0.0674	426	0.196
ENSP00000256151	2.17E-05	-0.0674	0	0.176
ENSP00000382794	8.39E-06	-0.0674	0	0.000
ENSP00000292566	1.70E-05	-0.0675	0	0.128
ENSP00000325958	1.34E-05	-0.0675	0	0.069
ENSP00000312262	2.19E-05	-0.0675	598	0.617
ENSP00000307706	1.90E-05	-0.0675	0	0.178
ENSP00000338742	1.31E-05	-0.0675	0	0.070
ENSP00000256997	2.15E-05	-0.0675	303	0.224
ENSP00000267615	1.61E-05	-0.0675	0	0.101
ENSP00000219345	1.83E-05	-0.0675	193	0.198
ENSP00000344299	1.45E-05	-0.0675	0	0.096
ENSP00000244096	1.37E-05	-0.0675	0	0.156
ENSP00000332013	1.54E-05	-0.0675	0	0.273
ENSP00000332103	1.76E-05	-0.0675	0	0.000
ENSP00000273920	1.47E-05	-0.0675	0	0.105
ENSP00000296333	1.55E-05	-0.0675	0	0.093
ENSP00000254816	3.47E-05	-0.0675	0	0.118
ENSP00000351591	3.97E-05	-0.0675	252	0.210
ENSP00000262102	1.94E-05	-0.0675	0	0.147
ENSP00000305926	1.97E-05	-0.0675	0	0.101
ENSP00000239944	2.09E-05	-0.0675	427	0.244
ENSP00000322579	1.65E-05	-0.0675	0	0.504
ENSP00000238146	1.97E-05	-0.0675	186	0.893
ENSP00000210444	2.14E-05	-0.0675	278	0.100
ENSP00000264596	1.94E-05	-0.0675	0	0.149
ENSP00000244227	2.06E-05	-0.0675	0	0.280
ENSP00000343746	3.24E-05	-0.0676	335	0.371
ENSP00000256015	2.08E-05	-0.0676	0	0.465
ENSP00000309542	2.40E-05	-0.0676	240	0.199
ENSP00000360060	1.87E-05	-0.0676	206	0.625
ENSP00000252936	1.73E-05	-0.0676	212	0.133
ENSP00000258243	2.04E-05	-0.0676	0	0.179
ENSP00000337512	1.35E-05	-0.0676	169	0.000
ENSP00000357082	6.81E-06	-0.0676	0	0.179
ENSP00000328287	1.81E-05	-0.0676	582	0.446
ENSP00000273075	1.86E-05	-0.0676	625	0.119
ENSP00000341963	1.78E-05	-0.0676	0	0.098
ENSP00000194118	2.35E-05	-0.0676	247	0.677
ENSP00000321184	2.02E-05	-0.0676	0	0.138



ENSP00000307199	1.31E-05	-0.0676	0	0.146
ENSP00000321260	1.88E-05	-0.0676	302	0.474
ENSP00000260187	2.17E-05	-0.0676	228	0.405
ENSP00000222374	1.80E-05	-0.0676	0	0.080
ENSP00000225777	1.79E-05	-0.0677	0	0.251
ENSP00000222968	1.90E-05	-0.0677	0	0.122
ENSP00000262510	1.85E-05	-0.0677	0	0.189
ENSP00000265000	1.56E-05	-0.0677	0	0.103
ENSP00000314807	1.94E-05	-0.0677	163	0.526
ENSP00000231449	4.08E-05	-0.0677	926	0.959
ENSP00000254770	1.70E-05	-0.0677	0	0.087
ENSP00000318852	1.98E-05	-0.0677	0	0.079
ENSP00000293925	2.87E-05	-0.0677	0	0.000
ENSP00000231198	1.70E-05	-0.0677	0	0.174
ENSP00000253004	1.74E-05	-0.0677	254	0.515
ENSP00000278980	2.07E-05	-0.0677	0	0.270
ENSP00000335657	2.41E-05	-0.0677	472	0.815
ENSP00000369965	1.77E-05	-0.0677	329	0.754
ENSP00000246112	2.43E-05	-0.0677	188	0.822
ENSP00000265963	2.27E-05	-0.0677	396	0.763
ENSP00000278071	2.10E-05	-0.0677	0	0.114
ENSP00000285850	2.75E-05	-0.0677	191	0.112
ENSP00000298694	1.31E-05	-0.0677	0	0.111
ENSP00000351015	5.11E-05	-0.0677	318	0.905
ENSP00000290913	1.32E-05	-0.0677	0	0.082
ENSP00000300006	1.99E-05	-0.0677	0	0.128
ENSP00000301458	1.57E-05	-0.0677	598	0.442
ENSP00000216214	2.15E-05	-0.0677	0	0.083
ENSP00000340237	1.82E-05	-0.0677	299	0.082
ENSP00000359498	1.96E-08	-0.0677	0	0.214
ENSP00000254663	1.66E-05	-0.0677	413	0.342
ENSP00000227163	4.27E-05	-0.0677	325	0.870
ENSP00000296149	1.59E-05	-0.0678	0	0.099
ENSP00000321271	1.49E-05	-0.0678	0	0.062
ENSP00000337353	1.45E-05	-0.0678	0	0.519
ENSP00000338814	1.93E-05	-0.0678	296	0.399
ENSP00000326371	2.23E-05	-0.0678	242	0.000
ENSP00000367878	7.10E-06	-0.0678	0	0.105
ENSP00000218364	2.17E-05	-0.0678	165	0.641
ENSP00000244519	1.87E-05	-0.0678	0	0.108
ENSP00000314971	1.44E-05	-0.0678	0	0.434
ENSP00000290705	1.93E-05	-0.0678	0	0.130
ENSP00000292539	1.81E-05	-0.0678	280	0.689
ENSP00000238618	1.97E-05	-0.0678	0	0.079
ENSP00000261017	1.72E-05	-0.0678	224	0.544
ENSP00000262384	2.64E-05	-0.0678	0	0.164

ENSP00000333350	1.55E-05	-0.0678	0	0.290
ENSP00000334813	1.28E-05	-0.0678	207	0.755
ENSP00000342805	1.54E-05	-0.0678	0	0.064
ENSP00000308727	1.88E-05	-0.0678	0	0.120
ENSP00000332204	1.29E-05	-0.0678	0	0.306
ENSP00000353887	7.39E-06	-0.0678	0	0.132
ENSP00000329033	1.86E-05	-0.0678	317	0.127
ENSP00000318086	1.39E-05	-0.0678	0	0.155
ENSP00000334130	1.13E-05	-0.0678	0	0.607
ENSP00000304467	1.83E-05	-0.0678	775	0.390
ENSP00000261789	1.62E-05	-0.0678	0	0.108
ENSP00000267935	2.27E-05	-0.0678	0	0.115
ENSP00000273861	1.49E-05	-0.0678	0	0.082
ENSP00000301717	1.97E-05	-0.0678	0	0.146
ENSP00000328325	1.55E-05	-0.0679	0	0.226
ENSP00000264718	1.81E-05	-0.0679	193	0.637
ENSP00000240587	1.86E-05	-0.0679	0	0.417
ENSP00000341267	3.02E-05	-0.0679	0	0.206
ENSP00000306117	1.88E-05	-0.0679	203	0.795
ENSP00000261191	1.80E-05	-0.0679	0	0.086
ENSP00000244007	1.70E-05	-0.0679	179	0.890
ENSP00000401653	5.61E-06	-0.0679	0	0.776
ENSP00000336800	1.42E-05	-0.0679	0	0.128
ENSP00000016171	1.78E-05	-0.0679	199	0.238
ENSP00000263119	1.20E-05	-0.0679	0	0.728
ENSP00000405202	1.10E-05	-0.0679	0	0.000
ENSP00000286317	2.07E-05	-0.0679	233	0.749
ENSP00000233121	1.55E-05	-0.0679	164	0.400
ENSP00000226760	2.04E-05	-0.0679	325	0.343
ENSP00000313759	1.81E-05	-0.0679	0	0.141
ENSP00000340402	1.19E-05	-0.0679	0	0.078
ENSP00000316699	1.55E-05	-0.0680	0	0.116
ENSP00000261658	1.49E-05	-0.0680	0	0.180
ENSP00000297142	1.42E-05	-0.0680	0	0.566
ENSP00000332806	3.42E-05	-0.0680	0	0.161
ENSP00000382064	2.56E-05	-0.0680	341	0.396
ENSP00000338190	2.92E-05	-0.0680	200	0.000
ENSP00000290354	3.20E-05	-0.0680	159	0.199
ENSP00000320493	2.44E-05	-0.0680	191	0.499
ENSP00000335091	1.48E-05	-0.0680	0	0.101
ENSP00000266263	1.39E-05	-0.0680	0	0.071
ENSP00000317905	2.52E-05	-0.0680	0	0.000
ENSP00000309644	1.76E-05	-0.0680	0	0.210
ENSP00000462172	5.59E-08	-0.0680	0	0.209
ENSP00000256339	1.37E-05	-0.0680	0	0.124
ENSP00000370303	6.40E-06	-0.0680	0	0.076

ENSP00000265026	2.20E-05	-0.0680	0	0.642
ENSP00000258062	2.20E-05	-0.0680	0	0.098
ENSP00000297239	1.42E-05	-0.0680	0	0.081
ENSP00000337889	1.44E-05	-0.0680	0	0.464
ENSP00000281543	1.72E-05	-0.0680	507	0.473
ENSP00000243611	1.84E-05	-0.0680	0	0.247
ENSP00000324890	1.41E-05	-0.0681	0	0.595
ENSP00000339626	1.47E-05	-0.0681	0	0.064
ENSP00000308921	1.51E-05	-0.0681	0	0.074
ENSP00000419923	3.44E-05	-0.0681	284	0.839
ENSP00000317327	1.34E-05	-0.0681	0	0.177
ENSP00000350937	5.48E-05	-0.0681	349	0.745
ENSP00000411459	2.09E-05	-0.0681	169	0.542
ENSP00000326649	1.28E-05	-0.0681	0	0.071
ENSP00000308717	1.01E-05	-0.0681	0	0.267
ENSP00000263579	2.26E-05	-0.0681	426	0.257
ENSP00000220496	1.79E-05	-0.0681	742	0.481
ENSP00000316881	1.22E-05	-0.0681	0	0.000
ENSP00000337335	2.65E-05	-0.0681	160	0.067
ENSP00000310375	1.45E-05	-0.0681	0	0.144
ENSP00000308695	1.29E-05	-0.0681	0	0.083
ENSP00000330075	1.85E-05	-0.0681	0	0.116
ENSP00000323348	1.35E-05	-0.0681	0	0.154
ENSP00000246190	1.61E-05	-0.0681	0	0.080
ENSP00000248342	1.66E-05	-0.0681	169	0.811
ENSP00000023939	2.38E-05	-0.0681	0	0.143
ENSP00000282041	1.41E-05	-0.0681	0	0.120
ENSP00000267859	1.47E-05	-0.0681	0	0.292
ENSP00000344820	2.20E-05	-0.0681	173	0.127
ENSP00000254878	9.60E-06	-0.0681	0	0.120
ENSP00000333487	1.17E-05	-0.0681	0	0.499
ENSP00000276925	1.78E-05	-0.0681	211	0.867
ENSP00000278903	1.74E-05	-0.0681	0	0.194
ENSP00000270708	1.57E-05	-0.0682	0	0.074
ENSP00000327541	1.28E-05	-0.0682	0	0.133
ENSP00000263663	2.37E-05	-0.0682	0	0.727
ENSP00000339529	1.10E-05	-0.0682	0	0.585
ENSP00000332444	2.56E-05	-0.0682	239	0.876
ENSP00000221856	1.81E-05	-0.0682	0	0.112
ENSP00000295984	1.51E-05	-0.0682	0	0.201
ENSP00000333938	2.01E-05	-0.0682	215	0.487
ENSP00000317144	1.45E-05	-0.0682	0	0.080
ENSP00000303408	1.76E-05	-0.0682	819	0.000
ENSP00000359660	3.44E-05	-0.0682	156	0.103
ENSP00000270792	1.66E-05	-0.0682	0	0.136
ENSP00000255688	2.27E-05	-0.0682	0	0.579

ENSP00000239666	1.86E-05	-0.0682	0	0.085
ENSP00000298596	1.84E-05	-0.0682	0	0.192
ENSP00000263384	1.79E-05	-0.0682	0	0.314
ENSP00000341684	4.16E-05	-0.0682	0	0.178
ENSP00000228136	2.25E-05	-0.0682	0	0.095
ENSP00000357914	1.12E-05	-0.0682	201	0.664
ENSP00000217195	2.13E-05	-0.0682	0	0.127
ENSP00000307181	1.83E-05	-0.0682	0	0.289
ENSP00000331791	7.23E-05	-0.0682	360	0.915
ENSP00000243346	1.60E-05	-0.0682	0	0.430
ENSP00000271417	1.80E-05	-0.0682	0	0.122
ENSP00000247182	1.79E-05	-0.0683	158	0.865
ENSP00000312679	2.53E-05	-0.0683	0	0.142
ENSP00000297770	1.33E-05	-0.0683	0	0.086
ENSP00000290208	1.25E-05	-0.0683	0	0.238
ENSP00000237172	1.48E-05	-0.0683	0	0.093
ENSP00000350094	1.98E-05	-0.0683	0	0.237
ENSP00000330393	2.26E-05	-0.0683	566	0.542
ENSP00000025301	2.25E-05	-0.0683	0	0.120
ENSP00000311300	1.83E-05	-0.0683	0	0.085
ENSP00000311768	1.28E-05	-0.0683	0	0.511
ENSP00000026218	3.64E-05	-0.0683	187	0.141
ENSP00000241051	1.21E-05	-0.0683	0	0.131
ENSP00000313674	1.96E-05	-0.0683	284	0.618
ENSP00000340578	1.69E-05	-0.0683	0	0.191
ENSP00000295131	2.81E-05	-0.0683	173	0.424
ENSP00000218147	1.44E-05	-0.0683	0	0.427
ENSP00000245932	7.15E-05	-0.0683	414	0.835
ENSP00000261167	2.32E-05	-0.0683	564	0.460
ENSP00000253457	1.50E-05	-0.0683	0	0.258
ENSP00000331152	1.61E-05	-0.0684	177	0.708
ENSP00000339587	1.24E-05	-0.0684	0	0.084
ENSP00000294409	1.75E-05	-0.0684	0	0.367
ENSP00000313601	1.07E-05	-0.0684	0	0.177
ENSP00000238823	1.69E-05	-0.0684	0	0.227
ENSP00000321546	1.51E-05	-0.0684	0	0.000
ENSP00000298310	2.37E-05	-0.0684	173	0.118
ENSP00000335321	2.08E-05	-0.0684	377	0.878
ENSP00000302586	1.59E-05	-0.0684	0	0.116
ENSP00000326819	1.24E-05	-0.0684	0	0.361
ENSP00000371595	2.45E-06	-0.0684	0	0.124
ENSP00000258424	1.83E-05	-0.0684	436	0.398
ENSP00000265651	1.53E-05	-0.0684	0	0.180
ENSP00000260702	2.75E-05	-0.0684	162	0.123
ENSP00000360829	1.57E-05	-0.0684	0	0.108
ENSP00000216099	1.73E-05	-0.0684	0	0.093

ENSP00000262365	1.06E-05	-0.0684	0	0.091
ENSP00000300571	1.25E-05	-0.0684	0	0.124
ENSP00000315630	1.96E-05	-0.0684	0	0.213
ENSP00000270066	1.13E-05	-0.0685	0	0.671
ENSP00000222902	4.34E-04	-0.0685	0	0.153
ENSP00000337513	1.41E-05	-0.0685	0	0.661
ENSP00000258770	1.53E-05	-0.0685	0	0.118
ENSP00000344055	2.33E-05	-0.0685	564	0.144
ENSP00000285419	1.61E-05	-0.0685	0	0.084
ENSP00000176195	2.06E-05	-0.0685	0	0.425
ENSP00000229708	1.62E-05	-0.0685	0	0.227
ENSP00000261407	2.02E-05	-0.0685	0	0.200
ENSP00000278840	4.23E-05	-0.0685	300	0.570
ENSP00000277632	1.24E-05	-0.0685	0	0.178
ENSP00000295491	1.34E-05	-0.0685	302	0.631
ENSP00000313885	1.12E-05	-0.0685	0	0.000
ENSP00000341179	1.53E-05	-0.0685	0	0.000
ENSP00000281513	1.64E-05	-0.0685	0	0.127
ENSP00000336801	2.20E-05	-0.0685	0	0.098
ENSP00000169551	1.42E-05	-0.0686	0	0.086
ENSP00000263713	1.72E-05	-0.0686	0	0.198
ENSP00000309336	1.56E-05	-0.0686	158	0.785
ENSP00000295571	1.58E-05	-0.0686	0	0.073
ENSP00000296603	1.97E-05	-0.0686	0	0.139
ENSP00000263033	1.33E-05	-0.0686	0	0.146
ENSP00000290597	1.90E-05	-0.0686	216	0.266
ENSP00000357494	2.75E-05	-0.0686	323	0.594
ENSP00000311513	1.22E-05	-0.0686	0	0.730
ENSP00000321203	1.64E-05	-0.0686	0	0.729
ENSP00000308193	2.01E-05	-0.0686	0	0.120
ENSP00000233627	1.68E-05	-0.0686	193	0.295
ENSP00000264720	1.65E-05	-0.0686	0	0.494
ENSP00000256545	1.75E-05	-0.0686	0	0.086
ENSP00000299821	1.07E-05	-0.0686	0	0.222
ENSP00000214869	1.50E-05	-0.0686	0	0.095
ENSP00000294129	1.30E-05	-0.0686	0	0.223
ENSP00000330730	1.01E-05	-0.0686	0	0.098
ENSP00000206020	2.20E-05	-0.0686	0	0.072
ENSP00000267568	1.79E-05	-0.0686	0	0.063
ENSP00000276344	1.19E-05	-0.0686	0	0.390
ENSP00000404833	4.99E-05	-0.0686	398	0.433
ENSP00000264938	1.87E-05	-0.0686	201	0.414
ENSP00000272643	1.79E-05	-0.0686	0	0.154
ENSP00000014914	1.91E-05	-0.0686	0	0.137
ENSP00000261308	1.49E-05	-0.0686	0	0.469
ENSP00000264001	2.06E-05	-0.0686	0	0.612

ENSP00000256441	1.21E-05	-0.0686	0	0.318
ENSP00000297156	1.68E-05	-0.0686	0	0.665
ENSP00000221922	1.65E-05	-0.0686	0	0.095
ENSP00000317842	1.87E-05	-0.0686	193	0.381
ENSP00000309142	2.20E-05	-0.0687	154	0.645
ENSP00000243706	1.49E-05	-0.0687	0	0.177
ENSP00000325266	1.66E-05	-0.0687	0	0.118
ENSP00000221167	1.61E-05	-0.0687	170	0.000
ENSP00000304133	3.27E-05	-0.0687	207	0.556
ENSP00000246117	2.02E-05	-0.0687	163	0.098
ENSP00000326070	1.23E-05	-0.0687	0	0.116
ENSP00000227520	1.61E-05	-0.0687	0	0.527
ENSP00000308925	1.20E-05	-0.0687	169	0.765
ENSP00000329040	1.22E-05	-0.0687	0	0.115
ENSP00000263904	3.59E-05	-0.0687	215	0.266
ENSP00000364041	1.62E-05	-0.0687	0	0.394
ENSP00000257198	1.41E-05	-0.0687	0	0.147
ENSP00000263433	1.88E-05	-0.0687	282	0.753
ENSP00000310263	1.73E-05	-0.0687	0	0.751
ENSP00000329448	1.59E-05	-0.0687	0	0.167
ENSP00000337850	4.30E-05	-0.0687	230	0.366
ENSP00000286758	3.00E-04	-0.0687	343	0.700
ENSP00000308236	4.03E-05	-0.0687	822	0.452
ENSP00000313159	1.62E-05	-0.0688	0	0.156
ENSP00000264454	3.84E-05	-0.0688	201	0.241
ENSP00000271889	2.55E-05	-0.0688	224	0.549
ENSP00000324318	1.14E-05	-0.0688	0	0.111
ENSP00000271526	1.76E-05	-0.0688	360	0.301
ENSP00000251413	1.37E-05	-0.0688	293	0.493
ENSP00000246662	1.56E-05	-0.0688	0	0.122
ENSP00000262210	1.36E-05	-0.0688	0	0.096
ENSP00000037869	1.42E-05	-0.0688	0	0.303
ENSP00000349689	7.40E-06	-0.0688	0	0.069
ENSP00000296252	1.25E-05	-0.0688	0	0.141
ENSP00000004531	1.50E-05	-0.0688	197	0.068
ENSP00000249700	1.75E-05	-0.0688	0	0.114
ENSP00000320935	4.86E-05	-0.0688	472	0.883
ENSP00000296003	1.49E-05	-0.0688	0	0.139
ENSP00000244661	1.45E-05	-0.0688	829	0.000
ENSP00000282369	1.18E-05	-0.0688	0	0.161
ENSP00000262193	2.01E-05	-0.0688	358	0.586
ENSP00000228705	1.05E-05	-0.0688	0	0.126
ENSP00000343557	3.29E-05	-0.0688	319	0.850
ENSP00000278422	2.31E-05	-0.0689	0	0.157
ENSP00000298097	1.68E-05	-0.0689	0	0.112
ENSP00000307265	1.55E-05	-0.0689	0	0.163

ENSP00000285398	2.28E-05	-0.0689	284	0.851
ENSP00000182377	1.17E-05	-0.0689	0	0.072
ENSP00000286353	1.54E-05	-0.0689	0	0.000
ENSP00000296600	1.61E-05	-0.0689	0	0.107
ENSP00000446880	2.30E-05	-0.0689	246	0.922
ENSP00000271375	1.06E-05	-0.0689	0	0.124
ENSP00000225726	1.27E-05	-0.0689	0	0.111
ENSP00000261296	1.94E-05	-0.0689	0	0.067
ENSP00000290776	1.07E-05	-0.0689	0	0.152
ENSP00000370737	3.52E-05	-0.0689	187	0.322
ENSP00000250974	1.85E-05	-0.0690	0	0.095
ENSP00000424007	2.06E-07	-0.0690	0	0.000
ENSP00000225729	1.97E-05	-0.0690	174	0.543
ENSP00000292782	2.07E-05	-0.0690	153	0.502
ENSP00000040738	1.43E-05	-0.0690	0	0.132
ENSP00000276704	2.18E-05	-0.0690	0	0.246
ENSP00000303580	9.67E-06	-0.0690	0	0.130
ENSP00000319574	2.16E-05	-0.0690	355	0.225
ENSP00000343742	1.00E-05	-0.0690	0	0.099
ENSP00000201979	1.06E-05	-0.0690	585	0.619
ENSP00000376048	1.56E-05	-0.0690	583	0.740
ENSP00000311318	2.10E-05	-0.0690	211	0.111
ENSP00000337396	8.85E-06	-0.0690	0	0.360
ENSP00000241502	1.56E-05	-0.0690	0	0.380
ENSP00000307014	1.49E-05	-0.0690	0	0.206
ENSP00000340297	1.37E-05	-0.0690	0	0.079
ENSP00000232375	1.66E-05	-0.0690	174	0.231
ENSP00000237822	1.71E-05	-0.0690	0	0.000
ENSP00000272610	1.32E-05	-0.0690	0	0.072
ENSP00000376213	1.12E-06	-0.0690	0	0.113
ENSP00000237316	2.33E-05	-0.0690	153	0.815
ENSP00000290429	1.60E-05	-0.0690	408	0.520
ENSP00000260270	1.59E-05	-0.0690	696	0.379
ENSP00000258383	1.16E-05	-0.0690	0	0.293
ENSP00000304360	1.52E-05	-0.0690	244	0.942
ENSP00000263243	1.90E-05	-0.0691	0	0.000
ENSP00000243389	1.48E-05	-0.0691	159	0.104
ENSP00000360635	1.83E-05	-0.0691	508	0.104
ENSP00000337289	1.26E-05	-0.0691	0	0.307
ENSP00000315397	2.67E-05	-0.0691	0	0.226
ENSP00000396441	1.01E-05	-0.0691	0	0.171
ENSP00000342710	1.45E-05	-0.0691	0	0.123
ENSP00000293777	1.36E-05	-0.0691	0	0.675
ENSP00000363826	2.95E-05	-0.0691	185	0.916
ENSP00000263773	1.29E-05	-0.0691	0	0.106
ENSP00000275034	1.44E-05	-0.0691	0	0.297

ENSP00000307423	1.24E-05	-0.0691	0	0.116
ENSP00000305702	1.85E-05	-0.0691	305	0.928
ENSP00000007264	1.92E-05	-0.0691	236	0.636
ENSP00000265881	2.19E-05	-0.0691	235	0.474
ENSP00000467176	5.67E-05	-0.0691	906	0.869
ENSP00000293273	1.92E-05	-0.0691	0	0.000
ENSP00000297508	1.90E-05	-0.0691	338	0.458
ENSP00000306275	2.10E-05	-0.0691	214	0.320
ENSP00000365536	5.84E-06	-0.0691	0	0.000
ENSP00000321988	1.55E-05	-0.0691	165	0.073
ENSP00000336914	1.05E-05	-0.0692	0	0.184
ENSP00000344307	1.55E-05	-0.0692	0	0.203
ENSP00000264917	1.31E-05	-0.0692	0	0.450
ENSP00000302640	2.05E-05	-0.0692	269	0.893
ENSP00000296591	7.37E-05	-0.0692	512	0.251
ENSP00000326238	2.16E-05	-0.0692	253	0.385
ENSP00000326858	1.37E-05	-0.0692	0	0.190
ENSP00000258772	1.84E-05	-0.0692	178	0.899
ENSP00000257600	3.46E-05	-0.0692	292	0.796
ENSP00000258098	1.77E-05	-0.0692	0	0.114
ENSP00000267023	1.29E-05	-0.0692	0	0.289
ENSP00000247026	1.80E-05	-0.0692	0	0.329
ENSP00000343021	1.03E-05	-0.0692	0	0.234
ENSP00000247270	1.39E-05	-0.0692	0	0.251
ENSP00000252992	1.61E-05	-0.0692	0	0.112
ENSP00000242607	1.40E-05	-0.0692	0	0.144
ENSP00000300061	1.71E-05	-0.0692	392	0.538
ENSP00000304544	1.45E-05	-0.0692	0	0.532
ENSP00000260818	2.05E-05	-0.0692	242	0.166
ENSP00000386884	3.22E-05	-0.0692	412	0.744
ENSP00000335044	2.70E-05	-0.0692	193	0.000
ENSP00000381302	9.24E-06	-0.0692	0	0.000
ENSP00000239830	1.91E-05	-0.0692	0	0.141
ENSP00000268766	1.53E-05	-0.0693	359	0.382
ENSP00000311677	2.11E-05	-0.0693	261	0.639
ENSP00000233557	1.55E-05	-0.0693	0	0.623
ENSP00000282382	1.21E-05	-0.0693	0	0.114
ENSP00000242591	1.44E-05	-0.0693	0	0.075
ENSP00000335203	8.45E-06	-0.0693	0	0.196
ENSP00000311453	1.07E-05	-0.0693	0	0.138
ENSP00000323714	2.25E-05	-0.0693	352	0.895
ENSP00000312634	2.28E-05	-0.0693	394	0.553
ENSP00000303585	1.80E-05	-0.0693	288	0.438
ENSP00000261187	1.73E-05	-0.0693	0	0.123
ENSP00000336627	1.31E-05	-0.0693	0	0.118
ENSP00000325423	1.16E-05	-0.0693	0	0.106



ENSP00000337159	1.16E-05	-0.0693	0	0.328
ENSP00000288462	1.44E-05	-0.0693	0	0.121
ENSP00000295899	3.00E-05	-0.0693	897	0.572
ENSP00000302037	1.39E-05	-0.0693	0	0.135
ENSP00000304139	1.34E-05	-0.0693	0	0.433
ENSP00000325827	9.38E-06	-0.0693	0	0.099
ENSP00000262753	1.26E-05	-0.0693	0	0.117
ENSP00000261700	1.44E-05	-0.0693	0	0.445
ENSP00000271883	1.55E-05	-0.0693	0	0.307
ENSP00000296597	1.16E-05	-0.0693	0	0.088
ENSP00000281282	9.50E-06	-0.0693	0	0.139
ENSP00000276055	1.24E-05	-0.0694	0	0.060
ENSP00000391402	1.79E-05	-0.0694	196	0.000
ENSP00000308546	2.14E-05	-0.0694	357	0.691
ENSP00000268638	2.53E-05	-0.0694	912	0.863
ENSP00000314132	2.20E-05	-0.0694	163	0.711
ENSP00000264866	2.09E-05	-0.0694	0	0.120
ENSP00000256255	2.18E-05	-0.0694	0	0.000
ENSP00000302393	1.65E-05	-0.0694	329	0.482
ENSP00000315680	9.84E-06	-0.0694	0	0.079
ENSP00000322594	1.20E-05	-0.0694	0	0.071
ENSP00000419712	2.04E-07	-0.0694	0	0.178
ENSP00000348381	3.62E-05	-0.0694	433	0.193
ENSP00000313050	1.96E-05	-0.0694	157	0.116
ENSP00000279281	1.22E-05	-0.0694	0	0.119
ENSP00000304353	1.11E-05	-0.0694	0	0.186
ENSP00000310796	2.09E-05	-0.0694	0	0.217
ENSP00000233379	1.25E-05	-0.0695	0	0.079
ENSP00000249806	1.44E-05	-0.0695	0	0.082
ENSP00000311493	1.07E-05	-0.0695	0	0.000
ENSP00000335106	1.63E-05	-0.0695	564	0.247
ENSP00000304783	1.82E-05	-0.0695	242	0.605
ENSP00000262731	1.72E-05	-0.0695	0	0.081
ENSP00000270172	1.25E-05	-0.0695	0	0.733
ENSP00000264689	1.60E-05	-0.0695	0	0.088
ENSP00000338990	1.01E-05	-0.0695	0	0.000
ENSP00000216733	1.63E-05	-0.0695	0	0.430
ENSP00000268711	1.60E-05	-0.0695	0	0.630
ENSP00000365962	5.77E-06	-0.0695	0	0.201
ENSP00000318318	2.10E-05	-0.0695	358	0.354
ENSP00000288078	1.09E-05	-0.0695	0	0.237
ENSP00000341342	1.16E-05	-0.0695	0	0.175
ENSP00000235835	1.27E-05	-0.0695	0	0.075
ENSP00000304843	1.32E-05	-0.0695	0	0.000
ENSP00000246174	1.07E-05	-0.0695	0	0.141
ENSP00000312244	2.43E-05	-0.0695	339	0.937

ENSP00000296564	2.71E-05	-0.0695	0	0.000
ENSP00000309749	1.28E-05	-0.0695	0	0.077
ENSP00000256429	1.84E-05	-0.0695	0	0.815
ENSP00000261386	1.76E-05	-0.0695	215	0.131
ENSP00000325929	1.98E-05	-0.0695	0	0.133
ENSP00000362068	8.47E-06	-0.0696	0	0.811
ENSP00000297562	1.37E-05	-0.0696	0	0.130
ENSP00000369682	1.22E-05	-0.0696	0	0.447
ENSP00000216452	1.56E-05	-0.0696	0	0.060
ENSP00000262633	1.28E-05	-0.0696	0	0.483
ENSP00000260598	1.27E-05	-0.0696	0	0.195
ENSP00000330875	9.85E-06	-0.0696	0	0.675
ENSP00000330945	1.34E-05	-0.0696	201	0.110
ENSP00000313752	1.79E-05	-0.0696	201	0.092
ENSP00000216129	1.07E-05	-0.0696	0	0.289
ENSP00000220853	1.33E-05	-0.0696	0	0.087
ENSP00000332034	1.34E-05	-0.0697	0	0.163
ENSP00000305769	4.12E-05	-0.0697	500	0.847
ENSP00000265462	1.78E-05	-0.0697	285	0.341
ENSP00000294360	9.36E-06	-0.0697	0	0.272
ENSP00000286371	1.09E-05	-0.0697	0	0.095
ENSP00000244061	1.29E-05	-0.0697	0	0.211
ENSP00000341117	3.14E-05	-0.0697	171	0.392
ENSP00000303758	1.29E-05	-0.0697	0	0.100
ENSP00000318131	1.31E-05	-0.0697	0	0.109
ENSP00000310406	1.09E-05	-0.0697	0	0.685
ENSP00000343398	1.72E-06	-0.0697	0	0.187
ENSP00000268896	1.22E-05	-0.0697	0	0.217
ENSP00000329915	1.12E-05	-0.0697	0	0.183
ENSP00000215739	1.14E-05	-0.0697	0	0.446
ENSP00000323288	1.78E-05	-0.0697	236	0.661
ENSP00000085068	1.52E-05	-0.0697	0	0.103
ENSP00000290291	1.06E-05	-0.0697	0	0.098
ENSP00000264436	2.33E-05	-0.0698	470	0.234
ENSP00000011691	1.35E-05	-0.0698	0	0.376
ENSP00000301765	1.03E-05	-0.0698	0	0.067
ENSP00000258711	1.63E-05	-0.0698	0	0.078
ENSP00000238379	9.71E-06	-0.0698	0	0.103
ENSP00000225927	1.23E-05	-0.0698	0	0.056
ENSP00000243918	1.30E-05	-0.0698	0	0.121
ENSP00000315118	8.63E-06	-0.0698	0	0.060
ENSP00000309532	1.33E-05	-0.0698	0	0.081
ENSP00000457957	9.34E-07	-0.0698	0	0.000
ENSP00000341848	1.15E-05	-0.0698	169	0.238
ENSP00000324491	9.68E-06	-0.0698	0	0.062
ENSP00000238831	1.33E-05	-0.0698	0	0.207

ENSP00000259698	9.95E-06	-0.0698	0	0.123
ENSP00000217121	1.37E-05	-0.0698	0	0.108
ENSP00000330488	8.19E-06	-0.0698	0	0.108
ENSP00000319678	1.27E-05	-0.0698	0	0.080
ENSP00000269346	1.20E-05	-0.0698	0	0.069
ENSP00000263150	1.35E-05	-0.0698	0	0.133
ENSP00000342905	1.70E-05	-0.0698	0	0.485
ENSP00000312734	2.17E-05	-0.0698	687	0.272
ENSP00000284154	2.37E-05	-0.0698	320	0.815
ENSP00000315568	9.31E-06	-0.0699	0	0.121
ENSP00000263702	1.92E-05	-0.0699	165	0.185
ENSP00000284669	8.69E-06	-0.0699	0	0.087
ENSP00000202017	1.57E-05	-0.0699	0	0.109
ENSP00000326699	1.88E-05	-0.0699	721	0.179
ENSP00000323782	1.59E-05	-0.0699	0	0.084
ENSP00000333947	1.62E-05	-0.0699	0	0.057
ENSP00000300147	1.13E-05	-0.0699	0	0.000
ENSP00000285393	1.86E-05	-0.0699	178	0.084
ENSP00000272198	1.18E-05	-0.0699	0	0.098
ENSP00000365838	6.63E-06	-0.0699	0	0.687
ENSP00000300213	1.00E-05	-0.0699	0	0.382
ENSP00000259199	1.14E-05	-0.0699	0	0.221
ENSP00000268676	1.63E-05	-0.0699	0	0.087
ENSP00000194214	1.33E-05	-0.0699	0	0.084
ENSP00000336994	9.82E-06	-0.0699	0	0.090
ENSP00000309166	1.21E-05	-0.0699	0	0.536
ENSP00000039989	1.46E-05	-0.0700	0	0.145
ENSP00000301178	5.34E-05	-0.0700	288	0.679
ENSP00000380349	3.57E-05	-0.0700	346	0.673
ENSP00000329213	1.15E-05	-0.0700	0	0.218
ENSP00000325663	1.94E-05	-0.0700	212	0.838
ENSP00000295324	1.19E-05	-0.0700	0	0.151
ENSP00000289316	1.69E-05	-0.0700	852	0.957
ENSP00000260746	1.64E-05	-0.0700	216	0.065
ENSP00000320508	8.95E-06	-0.0700	0	0.177
ENSP00000266604	1.20E-05	-0.0700	0	0.519
ENSP00000261813	1.04E-05	-0.0700	0	0.285
ENSP00000262319	1.46E-05	-0.0700	0	0.251
ENSP00000297056	1.06E-05	-0.0700	0	0.081
ENSP00000296658	1.28E-05	-0.0700	0	0.050
ENSP00000278174	1.31E-05	-0.0700	0	0.087
ENSP00000371661	4.21E-05	-0.0700	162	0.236
ENSP00000265967	1.34E-05	-0.0700	0	0.093
ENSP00000301015	1.26E-05	-0.0700	0	0.085
ENSP00000219400	1.26E-05	-0.0700	0	0.115
ENSP00000216455	1.28E-05	-0.0700	247	0.507

ENSP00000295500	8.97E-06	-0.0700	0	0.140
ENSP00000262817	1.29E-05	-0.0700	0	0.168
ENSP00000299563	1.56E-05	-0.0700	0	0.361
ENSP00000274376	1.75E-05	-0.0700	210	0.833
ENSP00000333821	1.69E-05	-0.0700	323	0.559
ENSP00000255784	1.57E-05	-0.0700	0	0.096
ENSP00000343966	8.82E-06	-0.0700	0	0.568
ENSP00000264605	1.21E-05	-0.0700	0	0.126
ENSP00000328088	1.56E-05	-0.0700	925	0.412
ENSP00000362057	7.65E-05	-0.0701	939	0.889
ENSP00000348944	3.01E-05	-0.0701	302	0.565
ENSP00000325594	9.54E-06	-0.0701	0	0.086
ENSP00000223642	1.61E-05	-0.0701	0	0.487
ENSP00000341743	1.13E-05	-0.0701	0	0.243
ENSP00000338885	1.06E-05	-0.0701	0	0.093
ENSP00000261844	1.26E-05	-0.0701	0	0.122
ENSP00000219054	1.49E-05	-0.0701	183	0.384
ENSP00000268099	1.01E-05	-0.0701	0	0.158
ENSP00000295727	1.02E-05	-0.0701	0	0.664
ENSP00000300087	9.17E-06	-0.0701	0	0.250
ENSP00000269373	1.02E-05	-0.0701	0	0.105
ENSP00000323659	1.94E-05	-0.0701	153	0.782
ENSP00000262843	1.23E-05	-0.0701	0	0.176
ENSP00000312235	1.68E-05	-0.0701	196	0.000
ENSP00000306344	9.98E-06	-0.0701	0	0.130
ENSP00000298894	1.36E-05	-0.0701	0	0.321
ENSP00000257696	1.43E-05	-0.0702	0	0.086
ENSP00000258169	1.08E-05	-0.0702	0	0.280
ENSP00000344903	8.17E-06	-0.0702	0	0.655
ENSP00000299601	3.44E-05	-0.0702	317	0.900
ENSP00000339428	2.29E-05	-0.0702	214	0.886
ENSP00000255613	1.05E-05	-0.0702	0	0.425
ENSP00000259075	3.55E-05	-0.0702	178	0.719
ENSP00000285599	1.00E-05	-0.0702	0	0.081
ENSP00000343435	1.15E-05	-0.0702	176	0.097
ENSP00000303423	9.00E-06	-0.0702	0	0.000
ENSP00000261600	1.21E-05	-0.0702	0	0.495
ENSP00000292385	1.33E-05	-0.0702	0	0.227
ENSP00000322020	1.07E-05	-0.0702	0	0.094
ENSP00000262215	1.95E-05	-0.0702	191	0.221
ENSP00000349087	9.59E-06	-0.0702	0	0.139
ENSP00000353701	2.05E-05	-0.0702	408	0.000
ENSP00000262580	1.70E-05	-0.0702	0	0.134
ENSP00000294454	1.25E-05	-0.0702	0	0.072
ENSP00000258398	9.15E-06	-0.0703	0	0.079
ENSP00000323339	9.68E-06	-0.0703	0	0.086

ENSP00000261866	1.30E-05	-0.0703	0	0.082
ENSP00000329554	1.76E-05	-0.0703	772	0.000
ENSP00000380998	5.51E-05	-0.0703	0	0.060
ENSP00000377262	9.13E-04	-0.0703	440	0.790
ENSP00000263681	1.16E-05	-0.0703	0	0.518
ENSP00000322316	1.08E-05	-0.0703	0	0.097
ENSP00000323780	1.16E-05	-0.0703	0	0.046
ENSP00000321347	1.09E-05	-0.0703	0	0.391
ENSP00000279593	2.29E-05	-0.0703	325	0.000
ENSP00000314606	1.17E-05	-0.0703	0	0.104
ENSP00000267202	1.06E-05	-0.0703	0	0.110
ENSP00000286548	2.47E-05	-0.0703	450	0.840
ENSP00000298902	1.08E-05	-0.0703	0	0.000
ENSP00000316854	1.24E-05	-0.0704	0	0.055
ENSP00000329102	8.83E-06	-0.0704	0	0.652
ENSP00000334329	1.43E-05	-0.0704	0	0.631
ENSP00000247881	2.73E-05	-0.0704	151	0.479
ENSP00000287218	1.42E-05	-0.0704	0	0.111
ENSP00000344609	1.13E-05	-0.0704	0	0.562
ENSP00000323837	1.29E-05	-0.0704	0	0.207
ENSP00000258947	1.49E-05	-0.0704	172	0.441
ENSP00000329858	8.77E-06	-0.0704	0	0.366
ENSP00000295240	2.99E-05	-0.0704	381	0.218
ENSP00000320917	1.63E-05	-0.0704	154	0.891
ENSP00000258390	1.10E-05	-0.0704	0	0.157
ENSP00000323927	2.41E-05	-0.0704	204	0.150
ENSP00000217429	9.79E-06	-0.0704	0	0.196
ENSP00000342109	1.68E-05	-0.0705	819	0.315
ENSP00000315035	1.40E-05	-0.0705	309	0.781
ENSP00000342015	7.60E-06	-0.0705	0	0.064
ENSP00000259050	1.54E-05	-0.0705	205	0.279
ENSP00000358067	9.92E-06	-0.0705	0	0.000
ENSP00000285071	1.22E-05	-0.0705	0	0.000
ENSP00000261811	1.09E-05	-0.0705	0	0.110
ENSP00000337675	1.26E-05	-0.0705	0	0.372
ENSP00000328203	9.01E-06	-0.0705	0	0.339
ENSP00000267750	1.04E-05	-0.0705	0	0.160
ENSP00000306261	1.26E-05	-0.0705	0	0.102
ENSP00000251289	1.04E-05	-0.0705	0	0.412
ENSP00000238341	1.11E-05	-0.0705	0	0.066
ENSP00000262482	1.01E-05	-0.0705	0	0.089
ENSP00000246868	2.17E-05	-0.0705	352	0.631
ENSP00000303992	1.32E-05	-0.0705	0	0.072
ENSP00000318822	1.62E-05	-0.0705	191	0.480
ENSP00000258991	8.47E-06	-0.0705	0	0.133
ENSP00000222247	1.61E-05	-0.0705	177	0.851

ENSP00000246747	1.29E-05	-0.0706	0	0.127
ENSP00000222284	1.22E-05	-0.0706	0	0.094
ENSP00000307701	1.13E-05	-0.0706	0	0.094
ENSP00000277540	1.30E-05	-0.0706	0	0.000
ENSP00000264538	3.64E-05	-0.0706	266	0.508
ENSP00000305529	1.88E-05	-0.0706	917	0.164
ENSP00000263253	3.11E-05	-0.0706	657	0.000
ENSP00000341843	1.47E-05	-0.0706	0	0.806
ENSP00000340505	2.30E-05	-0.0706	165	0.341
ENSP00000267540	1.11E-05	-0.0706	0	0.107
ENSP00000271373	1.17E-05	-0.0706	0	0.086
ENSP00000328358	1.16E-05	-0.0706	0	0.564
ENSP00000347119	2.12E-05	-0.0706	819	0.955
ENSP00000233668	1.88E-05	-0.0706	0	0.615
ENSP00000304710	1.20E-05	-0.0706	0	0.120
ENSP00000344666	3.30E-05	-0.0706	197	0.879
ENSP00000072869	1.13E-05	-0.0706	0	0.069
ENSP00000369372	6.40E-06	-0.0706	0	0.165
ENSP00000279036	1.08E-05	-0.0706	0	0.103
ENSP00000264779	1.18E-05	-0.0706	0	0.248
ENSP00000258123	2.73E-05	-0.0706	173	0.345
ENSP00000293872	1.89E-05	-0.0706	481	0.843
ENSP00000260645	1.72E-05	-0.0706	700	0.490
ENSP00000261655	9.99E-06	-0.0706	0	0.114
ENSP00000341364	1.84E-05	-0.0707	0	0.130
ENSP00000392395	4.19E-05	-0.0707	545	0.599
ENSP00000224862	1.29E-05	-0.0707	0	0.120
ENSP00000356590	6.01E-07	-0.0707	0	0.198
ENSP00000318373	3.12E-05	-0.0707	400	0.696
ENSP00000081029	7.92E-06	-0.0707	0	0.435
ENSP00000297347	1.15E-05	-0.0707	0	0.624
ENSP00000339532	9.15E-06	-0.0707	0	0.452
ENSP00000263780	1.18E-05	-0.0707	212	0.164
ENSP00000243344	1.07E-05	-0.0707	0	0.198
ENSP00000340797	1.14E-05	-0.0707	207	0.126
ENSP00000297668	9.47E-06	-0.0707	0	0.086
ENSP00000341351	1.68E-05	-0.0707	0	0.122
ENSP00000252603	1.55E-05	-0.0707	200	0.389
ENSP00000310686	1.18E-05	-0.0707	0	0.393
ENSP00000307479	1.01E-05	-0.0707	0	0.522
ENSP00000303482	9.45E-06	-0.0707	0	0.082
ENSP00000239690	1.22E-05	-0.0707	0	0.155
ENSP00000310208	1.48E-05	-0.0707	173	0.076
ENSP00000257262	1.15E-05	-0.0707	0	0.128
ENSP00000270776	1.71E-05	-0.0708	430	0.483
ENSP00000253856	1.56E-05	-0.0708	197	0.133

ENSP00000005260	1.31E-05	-0.0708	0	0.128
ENSP00000295685	1.95E-05	-0.0708	461	0.427
ENSP00000300589	2.97E-05	-0.0708	567	0.813
ENSP00000272217	9.50E-06	-0.0708	0	0.089
ENSP00000268231	7.84E-06	-0.0708	0	0.202
ENSP00000281017	1.49E-05	-0.0708	195	0.277
ENSP00000339952	1.27E-05	-0.0708	0	0.613
ENSP00000296557	1.21E-05	-0.0708	0	0.086
ENSP00000288774	1.17E-05	-0.0708	0	0.164
ENSP00000296490	1.72E-05	-0.0708	258	0.745
ENSP00000273308	9.28E-06	-0.0708	0	0.000
ENSP00000400591	3.68E-05	-0.0708	561	0.779
ENSP00000264169	9.17E-06	-0.0708	0	0.626
ENSP00000335579	8.09E-06	-0.0708	0	0.000
ENSP00000262960	2.01E-05	-0.0708	623	0.249
ENSP00000268661	1.66E-05	-0.0708	437	0.838
ENSP00000340409	8.94E-05	-0.0708	359	0.707
ENSP00000184266	9.03E-06	-0.0709	0	0.184
ENSP00000215862	1.07E-05	-0.0709	0	0.148
ENSP00000332287	1.40E-05	-0.0709	226	0.092
ENSP00000303222	1.04E-05	-0.0709	256	0.137
ENSP00000311399	9.23E-06	-0.0709	0	0.092
ENSP00000251453	1.39E-05	-0.0709	763	0.782
ENSP00000309430	1.00E-05	-0.0709	0	0.118
ENSP00000333277	1.78E-05	-0.0709	702	0.956
ENSP00000369003	3.76E-05	-0.0709	312	0.000
ENSP00000216479	1.57E-05	-0.0709	406	0.352
ENSP00000305442	8.30E-06	-0.0709	0	0.079
ENSP00000262461	1.50E-05	-0.0709	181	0.314
ENSP00000217740	1.09E-05	-0.0709	0	0.086
ENSP00000440586	2.34E-05	-0.0709	194	0.000
ENSP00000253048	1.17E-05	-0.0709	0	0.632
ENSP00000369419	1.16E-05	-0.0709	176	0.135
ENSP00000270176	1.25E-05	-0.0710	0	0.089
ENSP00000311083	1.57E-05	-0.0710	206	0.586
ENSP00000227135	9.67E-06	-0.0710	0	0.089
ENSP00000354960	5.29E-05	-0.0710	259	0.079
ENSP00000221265	1.47E-05	-0.0710	173	0.609
ENSP00000232603	1.08E-05	-0.0710	0	0.122
ENSP00000299314	1.32E-05	-0.0710	302	0.316
ENSP00000298292	8.16E-06	-0.0710	0	0.072
ENSP00000366404	2.62E-05	-0.0710	171	0.658
ENSP00000326604	1.07E-05	-0.0710	0	0.696
ENSP00000307833	8.41E-06	-0.0710	0	0.069
ENSP00000329418	7.74E-05	-0.0710	499	0.919
ENSP00000285279	1.02E-05	-0.0710	0	0.069

ENSP00000266682	9.20E-06	-0.0710	0	0.066
ENSP00000361177	2.37E-05	-0.0710	204	0.583
ENSP00000330060	8.92E-06	-0.0710	0	0.333
ENSP00000405610	4.43E-06	-0.0710	0	0.000
ENSP00000286364	1.01E-05	-0.0710	0	0.575
ENSP00000331682	7.26E-06	-0.0711	0	0.144
ENSP00000384026	7.89E-05	-0.0711	362	0.857
ENSP00000329452	8.67E-06	-0.0711	0	0.071
ENSP00000296015	1.50E-05	-0.0711	0	0.125
ENSP00000313034	9.51E-06	-0.0711	0	0.234
ENSP00000310332	9.42E-06	-0.0711	0	0.240
ENSP00000236980	1.28E-05	-0.0711	0	0.133
ENSP00000328062	9.43E-06	-0.0711	0	0.136
ENSP00000217456	9.99E-06	-0.0711	0	0.053
ENSP00000344779	1.22E-05	-0.0711	0	0.124
ENSP00000216832	1.31E-05	-0.0711	0	0.588
ENSP00000380334	1.90E-05	-0.0711	920	0.606
ENSP00000266970	3.14E-05	-0.0711	879	0.000
ENSP00000264935	9.04E-06	-0.0711	0	0.055
ENSP00000239223	4.34E-05	-0.0711	846	0.909
ENSP00000248378	1.05E-05	-0.0711	0	0.117
ENSP00000322730	1.71E-05	-0.0711	265	0.263
ENSP00000296043	7.82E-06	-0.0711	0	0.104
ENSP00000245787	2.79E-05	-0.0711	511	0.541
ENSP00000320688	1.04E-05	-0.0711	0	0.066
ENSP00000252445	1.30E-05	-0.0711	0	0.376
ENSP00000255945	2.14E-05	-0.0711	0	0.169
ENSP00000222307	1.10E-05	-0.0712	0	0.068
ENSP00000249442	8.75E-06	-0.0712	0	0.291
ENSP00000326342	1.43E-05	-0.0712	0	0.129
ENSP00000276533	8.80E-06	-0.0712	0	0.554
ENSP00000361818	9.56E-05	-0.0712	937	0.858
ENSP00000268482	1.89E-05	-0.0712	430	0.934
ENSP00000358778	1.70E-05	-0.0712	0	0.345
ENSP00000262126	1.01E-05	-0.0712	0	0.111
ENSP00000286800	3.36E-05	-0.0712	0	0.478
ENSP00000252699	6.50E-05	-0.0712	932	0.693
ENSP00000332656	1.14E-05	-0.0712	0	0.060
ENSP00000317992	2.29E-05	-0.0712	337	0.817
ENSP00000364964	4.41E-06	-0.0712	0	0.127
ENSP00000395929	4.84E-05	-0.0712	309	0.817
ENSP00000252512	1.35E-05	-0.0712	0	0.178
ENSP00000266732	9.91E-06	-0.0712	0	0.474
ENSP00000227471	1.08E-05	-0.0712	0	0.347
ENSP00000265107	9.66E-06	-0.0712	0	0.451
ENSP00000290942	1.21E-05	-0.0713	163	0.542



ENSP00000220822	1.04E-05	-0.0713	0	0.092
ENSP00000269187	8.09E-06	-0.0713	0	0.095
ENSP00000305654	1.11E-05	-0.0713	0	0.089
ENSP00000292147	9.08E-06	-0.0713	0	0.112
ENSP00000333433	7.27E-06	-0.0713	0	0.309
ENSP00000358640	3.44E-05	-0.0713	193	0.149
ENSP00000216330	1.20E-05	-0.0713	246	0.752
ENSP00000263578	1.03E-05	-0.0713	0	0.166
ENSP00000260282	9.14E-06	-0.0713	0	0.118
ENSP00000307321	1.08E-05	-0.0713	0	0.767
ENSP00000299565	9.80E-06	-0.0713	0	0.456
ENSP00000333401	7.18E-06	-0.0713	0	0.468
ENSP00000265870	1.33E-05	-0.0714	197	0.000
ENSP00000005386	1.05E-05	-0.0714	0	0.228
ENSP00000360441	6.41E-06	-0.0714	0	0.715
ENSP00000344572	1.32E-05	-0.0714	0	0.174
ENSP00000311609	8.03E-06	-0.0714	0	0.201
ENSP00000221480	1.07E-05	-0.0714	0	0.129
ENSP00000262498	1.85E-05	-0.0714	0	0.000
ENSP00000282026	2.27E-05	-0.0714	274	0.504
ENSP00000219905	1.10E-05	-0.0714	0	0.779
ENSP00000235932	1.00E-05	-0.0714	0	0.000
ENSP00000261488	1.30E-05	-0.0714	0	0.287
ENSP00000219172	9.03E-06	-0.0714	0	0.000
ENSP00000276420	1.02E-05	-0.0714	0	0.780
ENSP00000285879	7.96E-06	-0.0714	0	0.184
ENSP00000335246	7.94E-06	-0.0714	0	0.118
ENSP00000309163	7.72E-06	-0.0714	0	0.185
ENSP00000312671	2.14E-05	-0.0714	527	0.522
ENSP00000254654	1.29E-05	-0.0714	395	0.592
ENSP00000319778	1.83E-05	-0.0714	0	0.116
ENSP00000354159	2.05E-05	-0.0714	702	0.539
ENSP00000309899	8.31E-06	-0.0714	0	0.236
ENSP00000199706	9.16E-06	-0.0714	0	0.272
ENSP00000231509	4.94E-05	-0.0714	391	0.870
ENSP00000337926	1.06E-05	-0.0714	0	0.544
ENSP00000384224	7.50E-07	-0.0714	0	0.000
ENSP00000164305	1.09E-05	-0.0714	0	0.071
ENSP00000372910	1.22E-07	-0.0714	0	0.214
ENSP00000321826	1.06E-05	-0.0714	0	0.201
ENSP00000244751	8.78E-06	-0.0715	0	0.101
ENSP00000317714	2.89E-05	-0.0715	377	0.278
ENSP00000266581	1.40E-05	-0.0715	0	0.084
ENSP00000343610	1.27E-05	-0.0715	0	0.000
ENSP00000321330	8.91E-06	-0.0715	0	0.167
ENSP00000243326	1.02E-05	-0.0715	0	0.600

ENSP00000336725	2.68E-05	-0.0715	235	0.841
ENSP00000355718	5.36E-05	-0.0715	281	0.924
ENSP00000271234	9.07E-06	-0.0715	0	0.249
ENSP00000216085	1.14E-05	-0.0715	0	0.080
ENSP00000305699	9.20E-06	-0.0715	0	0.067
ENSP00000252250	1.21E-05	-0.0715	0	0.153
ENSP00000289547	1.24E-05	-0.0715	564	0.436
ENSP00000380177	2.11E-05	-0.0715	866	0.955
ENSP00000323076	1.02E-05	-0.0715	302	0.143
ENSP00000318147	3.93E-05	-0.0715	378	0.190
ENSP00000307214	1.02E-05	-0.0715	0	0.191
ENSP00000317469	1.41E-05	-0.0715	457	0.000
ENSP00000275053	8.91E-06	-0.0715	0	0.213
ENSP00000202556	1.15E-05	-0.0715	0	0.649
ENSP00000318986	1.91E-05	-0.0715	178	0.857
ENSP00000339381	1.68E-05	-0.0716	188	0.448
ENSP00000272797	8.65E-06	-0.0716	0	0.132
ENSP00000297293	1.09E-05	-0.0716	0	0.359
ENSP00000334808	8.62E-06	-0.0716	0	0.417
ENSP00000007390	1.36E-05	-0.0716	0	0.154
ENSP00000203556	1.01E-05	-0.0716	0	0.167
ENSP00000338019	3.18E-05	-0.0716	926	0.496
ENSP00000321845	1.90E-05	-0.0716	270	0.186
ENSP00000310088	1.02E-05	-0.0716	0	0.421
ENSP00000231948	1.11E-05	-0.0716	0	0.132
ENSP00000314363	1.95E-05	-0.0716	166	0.659
ENSP00000327104	1.35E-05	-0.0716	0	0.118
ENSP00000222728	1.02E-05	-0.0716	0	0.760
ENSP00000331532	5.65E-06	-0.0716	157	0.155
ENSP00000024061	1.14E-05	-0.0716	0	0.069
ENSP00000260662	9.22E-06	-0.0716	0	0.306
ENSP00000285805	1.10E-05	-0.0716	0	0.263
ENSP00000309092	1.89E-05	-0.0716	202	0.204
ENSP00000321744	1.79E-05	-0.0717	899	0.948
ENSP00000290039	7.12E-06	-0.0717	0	0.095
ENSP00000266014	1.24E-05	-0.0717	0	0.116
ENSP00000398017	1.89E-05	-0.0717	152	0.109
ENSP00000284116	2.02E-05	-0.0717	215	0.098
ENSP00000274853	1.45E-06	-0.0717	0	0.218
ENSP00000260563	1.70E-05	-0.0717	336	0.877
ENSP00000359674	9.30E-07	-0.0717	0	0.196
ENSP00000262219	1.29E-05	-0.0717	153	0.176
ENSP00000238018	1.03E-05	-0.0717	0	0.106
ENSP00000340466	1.57E-05	-0.0717	451	0.287
ENSP00000298717	9.21E-06	-0.0717	0	0.404
ENSP00000290765	1.57E-05	-0.0717	336	0.609

ENSP00000323580	2.03E-05	-0.0717	456	0.470
ENSP00000298351	9.37E-06	-0.0717	0	0.088
ENSP00000307746	8.67E-06	-0.0717	0	0.187
ENSP00000319254	8.74E-06	-0.0717	0	0.328
ENSP00000384593	8.02E-06	-0.0717	0	0.187
ENSP00000258416	1.81E-05	-0.0717	336	0.874
ENSP00000339906	2.23E-05	-0.0717	207	0.850
ENSP00000251089	1.08E-05	-0.0717	0	0.404
ENSP00000263774	1.30E-05	-0.0717	198	0.397
ENSP00000257700	7.30E-06	-0.0717	0	0.112
ENSP00000307342	8.50E-06	-0.0717	0	0.281
ENSP00000331983	9.01E-06	-0.0717	0	0.271
ENSP00000292314	1.69E-05	-0.0717	186	0.662
ENSP00000317087	2.49E-05	-0.0717	216	0.391
ENSP00000216489	1.16E-05	-0.0717	0	0.089
ENSP00000381282	2.44E-05	-0.0717	242	0.412
ENSP00000254579	8.64E-06	-0.0717	0	0.088
ENSP00000260045	1.25E-05	-0.0717	0	0.189
ENSP00000326063	1.19E-05	-0.0718	0	0.370
ENSP00000311360	1.14E-05	-0.0718	163	0.676
ENSP00000263795	1.26E-05	-0.0718	0	0.705
ENSP00000343818	7.29E-06	-0.0718	0	0.099
ENSP00000282058	8.40E-06	-0.0718	0	0.127
ENSP00000263368	9.44E-06	-0.0718	0	0.189
ENSP00000431063	3.53E-05	-0.0718	558	0.000
ENSP00000339382	8.19E-06	-0.0718	0	0.000
ENSP00000297440	8.13E-06	-0.0718	0	0.000
ENSP00000260605	8.95E-06	-0.0718	0	0.133
ENSP00000277517	9.99E-06	-0.0718	0	0.192
ENSP00000295448	1.62E-05	-0.0718	254	0.261
ENSP00000273666	9.59E-06	-0.0718	0	0.177
ENSP00000300605	8.72E-06	-0.0718	0	0.106
ENSP00000279146	1.28E-05	-0.0718	0	0.362
ENSP00000265343	8.80E-06	-0.0718	0	0.423
ENSP00000441927	4.89E-05	-0.0718	170	0.269
ENSP00000265295	7.05E-06	-0.0718	0	0.287
ENSP00000216223	1.49E-05	-0.0718	213	0.899
ENSP00000239730	8.72E-06	-0.0718	0	0.000
ENSP00000263674	1.58E-05	-0.0718	295	0.176
ENSP00000239882	1.82E-05	-0.0718	0	0.818
ENSP00000286298	1.24E-05	-0.0718	179	0.078
ENSP00000265594	1.29E-05	-0.0718	242	0.247
ENSP00000223641	1.41E-05	-0.0719	364	0.427
ENSP00000377854	5.65E-06	-0.0719	0	0.818
ENSP00000279392	1.58E-05	-0.0719	0	0.435
ENSP00000344460	8.37E-05	-0.0719	490	0.782

ENSP00000264042	1.18E-05	-0.0719	0	0.249
ENSP00000268797	8.38E-06	-0.0719	0	0.143
ENSP00000313121	1.24E-05	-0.0719	0	0.102
ENSP00000299178	2.42E-05	-0.0719	303	0.573
ENSP00000307854	2.01E-05	-0.0719	190	0.468
ENSP00000263864	2.71E-05	-0.0719	346	0.252
ENSP00000344155	1.71E-05	-0.0719	293	0.255
ENSP00000415998	1.82E-05	-0.0719	0	0.075
ENSP00000276585	8.79E-06	-0.0719	0	0.355
ENSP00000297151	1.62E-05	-0.0719	278	0.888
ENSP00000262094	1.27E-05	-0.0719	159	0.141
ENSP00000261523	4.38E-05	-0.0719	490	0.816
ENSP00000262585	1.07E-05	-0.0719	0	0.079
ENSP00000367102	2.61E-05	-0.0719	160	0.072
ENSP00000336888	1.12E-05	-0.0719	0	0.115
ENSP00000364865	9.41E-07	-0.0719	0	0.000
ENSP00000250056	8.14E-06	-0.0719	0	0.122
ENSP00000319713	8.99E-06	-0.0720	0	0.079
ENSP00000336923	7.41E-06	-0.0720	0	0.492
ENSP00000318115	1.67E-05	-0.0720	164	0.583
ENSP00000365851	7.06E-05	-0.0720	844	0.799
ENSP00000260324	1.34E-05	-0.0720	318	0.000
ENSP00000263956	9.65E-06	-0.0720	0	0.677
ENSP00000338165	1.60E-05	-0.0720	0	0.137
ENSP00000327072	9.55E-06	-0.0720	0	0.667
ENSP00000326477	1.65E-05	-0.0720	244	0.929
ENSP00000448220	2.86E-05	-0.0720	150	0.263
ENSP00000310521	3.60E-05	-0.0720	201	0.240
ENSP00000261755	1.10E-05	-0.0720	0	0.222
ENSP00000311368	1.16E-05	-0.0720	0	0.409
ENSP00000337500	7.39E-06	-0.0720	0	0.616
ENSP00000347433	1.63E-05	-0.0720	159	0.409
ENSP00000306253	2.89E-05	-0.0720	345	0.773
ENSP00000287008	1.39E-05	-0.0720	0	0.144
ENSP00000247003	1.64E-05	-0.0720	228	0.903
ENSP00000262265	9.36E-06	-0.0720	0	0.328
ENSP00000304422	1.25E-05	-0.0720	345	0.518
ENSP00000241436	1.27E-05	-0.0720	165	0.632
ENSP00000234256	1.22E-05	-0.0721	396	0.107
ENSP00000317159	1.44E-05	-0.0721	159	0.361
ENSP00000313500	8.80E-06	-0.0721	0	0.125
ENSP00000227525	1.31E-05	-0.0721	0	0.109
ENSP00000249910	9.33E-06	-0.0721	0	0.770
ENSP00000254835	1.53E-05	-0.0721	202	0.000
ENSP00000268220	1.60E-05	-0.0721	446	0.446
ENSP00000261368	1.82E-05	-0.0721	287	0.740

ENSP00000299543	1.63E-05	-0.0721	268	0.754
ENSP00000310933	2.16E-05	-0.0721	410	0.308
ENSP00000302562	1.22E-05	-0.0721	0	0.277
ENSP00000336616	9.69E-06	-0.0721	0	0.108
ENSP00000251900	9.02E-06	-0.0721	0	0.778
ENSP00000322376	1.07E-05	-0.0721	0	0.000
ENSP00000306070	9.98E-06	-0.0721	0	0.081
ENSP00000260056	8.72E-06	-0.0721	0	0.137
ENSP00000239926	1.11E-05	-0.0721	0	0.212
ENSP00000331574	9.43E-06	-0.0722	0	0.000
ENSP00000297195	7.79E-06	-0.0722	0	0.071
ENSP00000340510	2.40E-05	-0.0722	903	0.239
ENSP00000266458	2.10E-05	-0.0722	347	0.473
ENSP00000303511	8.68E-06	-0.0722	0	0.115
ENSP00000317128	1.01E-05	-0.0722	0	0.545
ENSP00000263277	9.31E-06	-0.0722	0	0.107
ENSP00000260372	6.89E-06	-0.0722	0	0.096
ENSP00000272427	2.80E-05	-0.0722	158	0.200
ENSP00000253237	1.54E-05	-0.0722	275	0.877
ENSP00000286234	9.21E-06	-0.0722	0	0.484
ENSP00000264047	1.38E-05	-0.0722	187	0.086
ENSP00000260184	1.45E-05	-0.0722	173	0.891
ENSP00000290974	9.93E-06	-0.0722	0	0.106
ENSP00000337561	1.03E-05	-0.0722	0	0.075
ENSP00000339057	6.35E-06	-0.0722	0	0.067
ENSP00000283206	1.06E-05	-0.0722	0	0.089
ENSP00000324549	2.34E-05	-0.0722	223	0.000
ENSP00000002596	1.09E-05	-0.0722	0	0.068
ENSP00000315702	9.14E-06	-0.0722	0	0.119
ENSP00000264694	1.34E-05	-0.0722	0	0.097
ENSP00000267812	6.93E-05	-0.0722	921	0.527
ENSP00000312856	1.24E-05	-0.0722	401	0.782
ENSP00000262065	5.92E-05	-0.0723	265	0.481
ENSP00000238256	8.44E-06	-0.0723	0	0.110
ENSP00000300086	1.18E-05	-0.0723	0	0.386
ENSP00000411948	1.19E-06	-0.0723	0	0.193
ENSP00000283429	8.17E-06	-0.0723	0	0.116
ENSP00000265742	1.49E-05	-0.0723	0	0.174
ENSP00000263187	1.29E-05	-0.0723	317	0.564
ENSP00000245539	1.23E-05	-0.0723	390	0.751
ENSP00000341361	1.69E-05	-0.0723	0	0.092
ENSP00000354487	6.49E-05	-0.0723	546	0.901
ENSP00000263181	1.55E-05	-0.0723	165	0.266
ENSP00000318900	1.08E-05	-0.0723	0	0.128
ENSP00000230056	9.25E-06	-0.0723	0	0.558
ENSP00000297135	7.96E-06	-0.0724	0	0.273

ENSP00000300255	1.05E-05	-0.0724	0	0.108
ENSP00000288050	1.71E-05	-0.0724	229	0.322
ENSP00000263925	2.42E-05	-0.0724	190	0.119
ENSP00000292852	1.48E-05	-0.0724	0	0.104
ENSP00000301364	1.83E-05	-0.0724	167	0.891
ENSP00000408527	1.11E-07	-0.0724	0	0.195
ENSP00000266483	7.98E-06	-0.0724	0	0.049
ENSP00000262577	8.80E-06	-0.0724	0	0.659
ENSP00000319918	1.04E-05	-0.0724	0	0.103
ENSP00000253686	7.64E-06	-0.0724	0	0.328
ENSP00000418813	1.77E-05	-0.0724	0	0.000
ENSP00000282032	1.13E-05	-0.0724	0	0.301
ENSP00000352273	8.51E-06	-0.0724	0	0.000
ENSP00000268668	1.75E-05	-0.0724	152	0.262
ENSP00000309141	3.02E-05	-0.0725	205	0.208
ENSP00000225740	1.25E-05	-0.0725	225	0.336
ENSP00000259008	1.29E-05	-0.0725	201	0.726
ENSP00000311857	2.31E-05	-0.0725	181	0.855
ENSP00000319992	1.18E-05	-0.0725	181	0.235
ENSP00000345107	3.87E-06	-0.0725	0	0.120
ENSP00000341737	8.73E-06	-0.0725	0	0.110
ENSP00000240100	1.42E-05	-0.0725	197	0.843
ENSP00000337697	5.36E-05	-0.0725	533	0.909
ENSP00000246914	9.29E-06	-0.0725	0	0.279
ENSP00000265175	1.56E-05	-0.0725	275	0.177
ENSP00000289119	9.62E-06	-0.0725	0	0.089
ENSP00000305632	6.78E-06	-0.0725	0	0.735
ENSP00000257951	8.76E-06	-0.0725	0	0.160
ENSP00000318629	1.42E-05	-0.0725	0	0.061
ENSP00000322991	2.54E-05	-0.0725	291	0.502
ENSP00000330199	1.58E-05	-0.0726	0	0.106
ENSP00000262879	9.69E-06	-0.0726	0	0.144
ENSP00000012049	1.13E-05	-0.0726	0	0.076
ENSP00000337194	8.57E-06	-0.0726	0	0.589
ENSP00000336940	1.19E-05	-0.0726	0	0.280
ENSP00000302114	9.12E-06	-0.0726	0	0.160
ENSP00000339479	2.15E-05	-0.0726	242	0.166
ENSP00000277165	1.08E-05	-0.0726	0	0.184
ENSP00000384015	9.33E-06	-0.0726	0	0.279
ENSP00000223129	7.41E-06	-0.0726	0	0.654
ENSP00000329219	1.04E-05	-0.0726	351	0.195
ENSP00000451451	2.63E-05	-0.0726	824	0.000
ENSP00000316990	6.56E-06	-0.0726	0	0.086
ENSP00000320623	8.24E-06	-0.0726	0	0.140
ENSP00000305204	6.80E-06	-0.0726	0	0.195
ENSP00000348128	2.85E-05	-0.0726	720	0.282

ENSP00000270061	8.51E-06	-0.0726	0	0.433
ENSP00000344566	7.01E-06	-0.0727	0	0.071
ENSP00000233630	8.07E-06	-0.0727	0	0.712
ENSP00000254730	8.43E-06	-0.0727	0	0.411
ENSP00000303088	7.15E-06	-0.0727	0	0.749
ENSP00000293970	7.59E-06	-0.0727	0	0.078
ENSP00000072644	1.06E-05	-0.0727	0	0.635
ENSP00000283632	1.28E-05	-0.0727	0	0.132
ENSP00000312458	9.21E-06	-0.0727	0	0.092
ENSP00000367315	9.26E-06	-0.0727	476	0.663
ENSP00000248633	1.21E-05	-0.0727	272	0.339
ENSP00000343943	4.63E-05	-0.0727	197	0.501
ENSP00000252015	6.42E-06	-0.0727	0	0.111
ENSP00000253788	1.28E-05	-0.0727	236	0.853
ENSP00000292180	1.53E-05	-0.0727	156	0.443
ENSP00000224652	1.00E-05	-0.0727	0	0.242
ENSP00000237283	1.54E-05	-0.0727	404	0.454
ENSP00000229251	9.97E-06	-0.0727	0	0.329
ENSP00000232501	9.07E-06	-0.0727	0	0.130
ENSP00000305133	8.48E-06	-0.0727	0	0.586
ENSP00000322419	2.06E-05	-0.0727	198	0.776
ENSP00000311984	7.63E-06	-0.0727	0	0.075
ENSP00000237937	8.60E-06	-0.0728	0	0.158
ENSP00000251973	1.44E-05	-0.0728	302	0.501
ENSP00000245157	3.20E-05	-0.0728	450	0.671
ENSP00000216187	1.05E-05	-0.0728	0	0.126
ENSP00000313169	1.32E-05	-0.0728	181	0.458
ENSP00000011684	7.91E-06	-0.0728	0	0.110
ENSP00000074304	9.96E-06	-0.0728	0	0.112
ENSP00000261499	1.04E-05	-0.0728	0	0.095
ENSP00000210187	9.11E-06	-0.0728	0	0.091
ENSP00000301030	1.15E-05	-0.0728	0	0.399
ENSP00000322192	2.79E-05	-0.0728	238	0.203
ENSP00000272348	1.77E-05	-0.0728	404	0.814
ENSP00000219097	7.16E-06	-0.0728	0	0.619
ENSP00000276440	1.09E-05	-0.0728	0	0.547
ENSP00000282276	1.25E-05	-0.0728	315	0.648
ENSP00000306015	8.27E-06	-0.0728	0	0.141
ENSP00000328773	7.73E-06	-0.0728	0	0.722
ENSP00000365160	1.21E-05	-0.0728	195	0.386
ENSP00000221114	7.42E-06	-0.0728	0	0.209
ENSP00000342032	1.55E-05	-0.0728	264	0.451
ENSP00000307298	2.01E-05	-0.0728	201	0.629
ENSP00000002829	1.17E-05	-0.0729	0	0.670
ENSP00000263202	2.25E-05	-0.0729	347	0.538
ENSP00000324463	8.90E-06	-0.0729	0	0.460

ENSP00000323099	7.38E-06	-0.0729	0	0.701
ENSP00000299736	1.13E-05	-0.0729	0	0.450
ENSP00000252826	9.50E-06	-0.0729	0	0.262
ENSP00000310120	7.81E-06	-0.0729	0	0.046
ENSP00000398003	4.56E-06	-0.0729	0	0.000
ENSP00000295121	9.83E-06	-0.0729	0	0.122
ENSP00000313432	7.48E-06	-0.0729	0	0.218
ENSP00000216259	1.49E-05	-0.0729	192	0.368
ENSP00000386165	1.05E-04	-0.0729	250	0.846
ENSP00000325919	9.33E-06	-0.0730	0	0.285
ENSP00000351783	5.47E-06	-0.0730	0	0.111
ENSP00000249344	7.04E-06	-0.0730	0	0.090
ENSP00000263946	1.30E-05	-0.0730	545	0.577
ENSP00000230640	1.34E-05	-0.0730	364	0.912
ENSP00000267978	1.48E-05	-0.0730	270	0.174
ENSP00000300452	1.12E-05	-0.0730	0	0.064
ENSP00000280551	1.64E-05	-0.0730	280	0.186
ENSP00000429430	2.97E-05	-0.0730	188	0.122
ENSP00000217246	9.13E-06	-0.0730	0	0.109
ENSP00000272238	6.81E-06	-0.0730	0	0.097
ENSP00000313385	2.25E-05	-0.0730	0	0.122
ENSP00000245680	8.01E-06	-0.0730	0	0.046
ENSP00000320434	8.35E-06	-0.0730	0	0.269
ENSP00000318313	8.85E-06	-0.0730	0	0.224
ENSP00000264057	1.13E-05	-0.0730	0	0.091
ENSP00000273258	1.24E-05	-0.0730	210	0.131
ENSP00000272418	1.38E-05	-0.0730	390	0.814
ENSP00000229829	3.72E-05	-0.0730	0	0.546
ENSP00000311888	1.01E-05	-0.0730	191	0.233
ENSP00000378464	1.45E-05	-0.0730	211	0.207
ENSP00000296741	8.33E-06	-0.0730	0	0.081
ENSP00000376258	2.03E-05	-0.0730	214	0.253
ENSP00000288199	2.19E-05	-0.0730	347	0.557
ENSP00000254630	8.59E-06	-0.0731	0	0.466
ENSP00000288071	1.60E-05	-0.0731	367	0.812
ENSP00000261534	9.86E-06	-0.0731	0	0.185
ENSP00000295030	9.87E-06	-0.0731	0	0.161
ENSP00000259469	1.25E-05	-0.0731	248	0.795
ENSP00000263388	3.35E-05	-0.0731	553	0.930
ENSP00000352401	2.19E-05	-0.0731	267	0.572
ENSP00000302843	1.60E-05	-0.0731	876	0.289
ENSP00000274170	8.53E-06	-0.0731	0	0.118
ENSP00000309431	1.51E-05	-0.0731	402	0.000
ENSP00000234111	2.15E-05	-0.0731	320	0.581
ENSP00000271277	9.14E-06	-0.0731	0	0.138
ENSP00000284073	1.90E-05	-0.0731	335	0.697



ENSP00000317141	1.30E-05	-0.0731	0	0.000
ENSP00000056233	1.02E-05	-0.0731	0	0.725
ENSP00000225576	9.43E-06	-0.0731	0	0.091
ENSP00000261800	2.17E-05	-0.0732	151	0.718
ENSP00000326491	9.17E-06	-0.0732	0	0.087
ENSP00000230895	1.32E-05	-0.0732	0	0.724
ENSP00000339393	2.43E-05	-0.0732	333	0.533
ENSP00000403936	2.81E-05	-0.0732	460	0.000
ENSP00000265433	8.29E-06	-0.0732	0	0.672
ENSP00000301012	1.16E-05	-0.0732	0	0.439
ENSP00000233623	1.27E-05	-0.0732	671	0.301
ENSP00000320447	9.94E-06	-0.0732	0	0.815
ENSP00000242375	1.51E-05	-0.0732	243	0.221
ENSP00000300574	2.56E-05	-0.0732	908	0.872
ENSP00000229758	8.71E-06	-0.0732	0	0.436
ENSP00000333920	1.98E-05	-0.0732	250	0.837
ENSP00000312318	9.75E-06	-0.0732	0	0.153
ENSP00000244217	7.84E-06	-0.0732	0	0.155
ENSP00000340698	3.10E-05	-0.0732	208	0.652
ENSP00000251527	9.48E-06	-0.0733	0	0.109
ENSP00000257287	9.06E-06	-0.0733	0	0.070
ENSP00000226840	7.33E-06	-0.0733	0	0.091
ENSP00000263245	3.65E-05	-0.0733	203	0.206
ENSP00000261884	8.06E-06	-0.0733	0	0.405
ENSP00000219313	1.42E-05	-0.0733	208	0.555
ENSP00000199320	1.17E-05	-0.0733	388	0.843
ENSP00000356480	4.24E-05	-0.0733	321	0.829
ENSP00000306968	7.56E-06	-0.0733	0	0.523
ENSP00000322845	7.62E-06	-0.0733	0	0.746
ENSP00000276449	3.86E-05	-0.0733	263	0.774
ENSP00000312311	6.60E-06	-0.0733	0	0.568
ENSP00000261247	1.05E-05	-0.0733	0	0.100
ENSP00000219837	1.68E-05	-0.0733	0	0.154
ENSP00000225519	1.17E-05	-0.0733	305	0.301
ENSP00000251993	7.83E-06	-0.0733	0	0.084
ENSP00000203664	1.01E-05	-0.0733	0	0.105
ENSP00000334223	7.44E-06	-0.0733	0	0.079
ENSP00000263697	1.03E-05	-0.0733	0	0.796
ENSP00000261681	1.38E-05	-0.0733	302	0.471
ENSP00000264717	1.31E-05	-0.0733	198	0.475
ENSP00000306920	2.48E-05	-0.0733	242	0.198
ENSP00000326603	7.07E-06	-0.0733	0	0.204
ENSP00000284995	9.35E-06	-0.0733	0	0.239
ENSP00000321445	2.43E-05	-0.0733	311	0.789
ENSP00000394248	3.02E-06	-0.0733	0	0.697
ENSP00000395629	3.02E-06	-0.0733	0	0.699

ENSP00000394047	3.02E-06	-0.0733	0	0.000
ENSP00000248244	1.07E-05	-0.0734	0	0.713
ENSP00000264198	1.08E-05	-0.0734	0	0.176
ENSP00000359978	1.14E-05	-0.0734	0	0.171
ENSP00000254457	1.11E-05	-0.0734	250	0.000
ENSP00000216373	1.46E-05	-0.0734	242	0.711
ENSP00000314343	8.50E-06	-0.0734	0	0.666
ENSP00000295321	8.47E-06	-0.0734	0	0.794
ENSP00000304185	8.04E-06	-0.0734	0	0.131
ENSP00000321348	1.41E-05	-0.0734	202	0.434
ENSP00000251312	7.82E-06	-0.0734	0	0.000
ENSP00000372335	1.29E-05	-0.0734	186	0.644
ENSP00000264716	1.59E-05	-0.0734	458	0.000
ENSP00000246024	1.41E-05	-0.0734	0	0.100
ENSP00000308948	7.00E-06	-0.0734	0	0.192
ENSP00000364766	1.57E-06	-0.0734	0	0.199
ENSP00000014930	1.02E-05	-0.0734	0	0.459
ENSP00000002125	8.48E-06	-0.0734	0	0.092
ENSP00000249749	1.16E-04	-0.0734	860	0.933
ENSP00000269397	8.31E-06	-0.0734	0	0.788
ENSP00000336127	7.76E-06	-0.0735	0	0.102
ENSP00000318635	1.65E-05	-0.0735	281	0.865
ENSP00000252542	8.99E-06	-0.0735	0	0.734
ENSP00000330721	9.27E-06	-0.0735	199	0.195
ENSP00000255608	8.77E-06	-0.0735	0	0.215
ENSP00000290130	8.80E-06	-0.0735	150	0.307
ENSP00000337998	1.09E-04	-0.0735	0	0.133
ENSP00000216121	8.35E-06	-0.0735	0	0.094
ENSP00000312778	5.51E-06	-0.0735	0	0.268
ENSP00000265421	7.40E-06	-0.0735	0	0.449
ENSP00000340463	9.09E-06	-0.0735	0	0.093
ENSP00000329002	1.19E-05	-0.0735	670	0.531
ENSP00000228843	7.64E-06	-0.0735	0	0.370
ENSP00000222388	1.17E-05	-0.0735	157	0.665
ENSP00000396937	4.00E-05	-0.0735	153	0.367
ENSP00000320413	9.83E-06	-0.0735	150	0.164
ENSP00000319255	1.20E-05	-0.0735	0	0.105
ENSP00000300291	1.31E-05	-0.0736	644	0.835
ENSP00000264658	9.56E-06	-0.0736	227	0.322
ENSP00000327704	2.95E-05	-0.0736	167	0.366
ENSP00000226432	1.02E-05	-0.0736	0	0.114
ENSP00000294258	6.08E-06	-0.0736	0	0.241
ENSP00000331103	8.76E-06	-0.0736	0	0.405
ENSP00000299134	8.03E-06	-0.0736	0	0.000
ENSP00000270583	6.75E-06	-0.0736	0	0.718
ENSP00000289528	1.37E-05	-0.0736	215	0.412

ENSP00000329867	1.21E-05	-0.0736	159	0.102
ENSP00000315615	1.36E-05	-0.0736	0	0.425
ENSP00000335615	7.19E-06	-0.0736	0	0.089
ENSP00000342481	4.85E-05	-0.0736	174	0.063
ENSP00000290101	2.56E-05	-0.0737	185	0.742
ENSP00000312395	1.15E-05	-0.0737	0	0.000
ENSP00000250263	8.12E-06	-0.0737	0	0.642
ENSP00000235345	6.98E-06	-0.0737	0	0.031
ENSP00000304689	1.22E-05	-0.0737	0	0.470
ENSP00000389841	3.04E-06	-0.0737	0	0.694
ENSP00000378394	2.98E-05	-0.0737	284	0.345
ENSP00000288937	1.18E-05	-0.0737	309	0.703
ENSP00000333326	2.22E-05	-0.0737	234	0.486
ENSP00000357643	1.99E-05	-0.0737	249	0.723
ENSP00000264670	1.31E-05	-0.0737	178	0.858
ENSP00000339881	8.32E-06	-0.0737	0	0.083
ENSP00000341805	6.71E-06	-0.0737	0	0.704
ENSP00000308583	6.54E-06	-0.0737	0	0.514
ENSP00000382697	5.79E-05	-0.0737	610	0.892
ENSP00000298229	2.19E-05	-0.0737	471	0.591
ENSP00000334382	8.29E-06	-0.0737	0	0.680
ENSP00000331087	4.95E-05	-0.0737	0	0.229
ENSP00000305230	2.44E-05	-0.0737	168	0.625
ENSP00000315112	9.91E-06	-0.0737	0	0.313
ENSP00000246166	6.74E-06	-0.0737	0	0.158
ENSP00000305810	7.68E-06	-0.0738	0	0.210
ENSP00000359382	6.05E-06	-0.0738	0	0.127
ENSP00000340796	8.75E-06	-0.0738	0	0.445
ENSP00000380480	3.07E-06	-0.0738	0	0.000
ENSP00000253099	1.30E-05	-0.0738	364	0.811
ENSP00000329411	1.55E-05	-0.0738	912	0.840
ENSP00000323065	8.15E-06	-0.0738	0	0.336
ENSP00000306565	1.83E-05	-0.0738	226	0.731
ENSP00000254695	7.38E-06	-0.0738	0	0.070
ENSP00000305595	1.04E-05	-0.0738	900	0.161
ENSP00000260665	1.91E-05	-0.0738	172	0.413
ENSP00000228495	7.81E-06	-0.0738	0	0.073
ENSP00000247977	1.43E-05	-0.0738	0	0.109
ENSP00000225688	1.23E-05	-0.0738	478	0.609
ENSP00000243776	8.14E-06	-0.0738	0	0.071
ENSP00000288986	2.32E-05	-0.0738	650	0.845
ENSP00000321732	6.60E-06	-0.0738	0	0.387
ENSP00000234313	3.31E-05	-0.0738	407	0.868
ENSP00000312402	1.53E-05	-0.0738	0	0.185
ENSP00000313854	8.69E-06	-0.0739	0	0.344
ENSP00000307143	9.18E-06	-0.0739	0	0.341

ENSP00000238651	9.07E-06	-0.0739	0	0.365
ENSP00000265354	2.69E-05	-0.0739	993	0.000
ENSP00000254508	9.09E-06	-0.0739	0	0.553
ENSP00000356789	1.11E-04	-0.0739	499	0.257
ENSP00000379458	3.08E-06	-0.0739	0	0.697
ENSP00000215980	6.02E-06	-0.0739	0	0.221
ENSP00000410758	4.24E-05	-0.0739	644	0.718
ENSP00000314444	8.10E-06	-0.0739	0	0.092
ENSP00000303997	9.68E-06	-0.0739	0	0.119
ENSP00000347684	1.54E-05	-0.0739	227	0.842
ENSP00000266087	5.65E-06	-0.0739	0	0.276
ENSP00000274963	8.48E-06	-0.0739	0	0.153
ENSP00000414359	3.53E-05	-0.0739	264	0.565
ENSP00000166345	1.05E-05	-0.0740	272	0.542
ENSP00000357323	8.56E-06	-0.0740	0	0.318
ENSP00000281038	6.78E-06	-0.0740	0	0.455
ENSP00000252245	9.99E-06	-0.0740	0	0.183
ENSP00000335557	1.01E-05	-0.0740	0	0.196
ENSP00000359403	1.33E-06	-0.0740	0	0.211
ENSP00000256578	7.69E-06	-0.0740	0	0.192
ENSP00000254803	1.46E-05	-0.0740	659	0.855
ENSP00000159111	8.61E-06	-0.0740	0	0.841
ENSP00000338352	1.92E-05	-0.0740	0	0.067
ENSP00000215812	9.34E-06	-0.0740	0	0.483
ENSP00000405268	9.90E-06	-0.0740	0	0.567
ENSP00000203630	7.91E-06	-0.0740	0	0.233
ENSP00000268261	1.48E-05	-0.0740	200	0.344
ENSP00000262850	8.15E-06	-0.0740	0	0.457
ENSP00000262394	8.69E-06	-0.0740	213	0.347
ENSP00000383096	2.63E-05	-0.0741	175	0.355
ENSP00000006101	8.31E-06	-0.0741	0	0.000
ENSP00000295400	7.79E-05	-0.0741	355	0.949
ENSP00000232461	1.65E-05	-0.0741	999	0.644
ENSP00000309052	7.78E-06	-0.0741	0	0.149
ENSP00000332604	1.55E-05	-0.0741	355	0.912
ENSP00000217446	7.39E-06	-0.0741	0	0.049
ENSP00000418287	9.87E-06	-0.0741	0	0.620
ENSP00000261721	8.46E-06	-0.0741	0	0.139
ENSP00000223114	1.23E-05	-0.0741	0	0.222
ENSP00000247665	7.72E-06	-0.0741	0	0.135
ENSP00000391372	1.67E-05	-0.0741	335	0.585
ENSP00000262043	8.53E-06	-0.0741	0	0.123
ENSP00000311127	2.08E-04	-0.0741	920	0.817
ENSP00000271227	1.10E-05	-0.0741	0	0.162
ENSP00000252252	8.95E-06	-0.0741	0	0.175
ENSP00000309830	1.75E-05	-0.0741	210	0.823

ENSP00000225665	7.09E-06	-0.0741	0	0.167
ENSP00000230321	6.46E-06	-0.0741	0	0.216
ENSP00000262127	8.15E-06	-0.0741	0	0.083
ENSP00000342136	1.49E-05	-0.0741	215	0.557
ENSP00000311876	1.87E-05	-0.0741	261	0.318
ENSP00000317332	1.03E-05	-0.0741	0	0.097
ENSP00000309772	1.03E-05	-0.0742	0	0.078
ENSP00000343412	2.03E-05	-0.0742	265	0.705
ENSP00000330408	9.89E-06	-0.0742	644	0.000
ENSP00000319343	6.28E-06	-0.0742	0	0.379
ENSP00000339495	7.50E-06	-0.0742	0	0.734
ENSP00000264638	8.12E-06	-0.0742	0	0.546
ENSP00000293695	2.55E-05	-0.0742	156	0.215
ENSP00000316598	1.59E-05	-0.0743	201	0.240
ENSP00000266503	4.89E-05	-0.0743	165	0.557
ENSP00000268035	3.08E-05	-0.0743	918	0.000
ENSP00000217372	1.23E-05	-0.0743	359	0.530
ENSP00000272928	1.36E-05	-0.0743	0	0.000
ENSP00000283426	8.39E-06	-0.0743	0	0.293
ENSP00000322628	2.70E-05	-0.0743	274	0.513
ENSP00000297564	6.38E-06	-0.0743	0	0.276
ENSP00000361185	5.76E-06	-0.0743	0	0.662
ENSP00000324302	1.18E-05	-0.0743	0	0.142
ENSP00000392024	2.99E-06	-0.0743	0	0.692
ENSP00000372276	2.16E-07	-0.0743	0	0.203
ENSP00000267113	1.00E-05	-0.0743	0	0.186
ENSP00000231524	1.45E-05	-0.0743	274	0.180
ENSP00000230048	6.90E-06	-0.0743	0	0.120
ENSP00000295767	7.34E-06	-0.0743	0	0.092
ENSP00000264122	1.04E-05	-0.0744	0	0.681
ENSP00000255499	9.20E-05	-0.0744	270	0.854
ENSP00000234488	7.24E-06	-0.0744	0	0.057
ENSP00000373254	3.12E-06	-0.0744	0	0.697
ENSP00000295156	1.83E-05	-0.0744	341	0.325
ENSP00000261249	6.82E-06	-0.0744	0	0.622
ENSP00000295065	7.16E-06	-0.0744	0	0.114
ENSP00000330572	1.31E-05	-0.0744	0	0.459
ENSP00000307684	2.71E-05	-0.0745	216	0.869
ENSP00000339122	7.48E-06	-0.0745	0	0.092
ENSP00000267522	6.35E-06	-0.0745	0	0.445
ENSP00000289968	1.37E-05	-0.0745	0	0.539
ENSP00000310561	1.05E-05	-0.0745	0	0.511
ENSP00000341489	7.00E-06	-0.0745	0	0.086
ENSP00000378195	5.63E-05	-0.0745	330	0.205
ENSP00000313171	7.37E-06	-0.0745	0	0.714
ENSP00000311224	1.03E-05	-0.0745	150	0.409

ENSP00000262940	7.00E-06	-0.0745	0	0.393
ENSP00000356191	1.28E-05	-0.0745	203	0.703
ENSP00000268624	1.31E-05	-0.0745	0	0.194
ENSP00000367157	4.57E-06	-0.0746	0	0.706
ENSP00000317382	7.71E-06	-0.0746	0	0.168
ENSP00000273853	7.13E-06	-0.0746	0	0.000
ENSP00000341551	5.72E-05	-0.0746	943	0.912
ENSP00000261674	9.36E-06	-0.0746	0	0.232
ENSP00000179259	7.54E-06	-0.0746	0	0.000
ENSP00000257575	1.40E-05	-0.0746	236	0.124
ENSP00000262888	9.52E-06	-0.0746	223	0.425
ENSP00000301633	4.09E-05	-0.0746	582	0.886
ENSP00000372959	9.19E-06	-0.0746	487	0.658
ENSP00000373340	2.49E-05	-0.0746	613	0.866
ENSP00000257895	1.01E-04	-0.0746	992	0.431
ENSP00000244711	8.55E-06	-0.0746	0	0.324
ENSP00000334801	8.37E-06	-0.0746	0	0.239
ENSP00000335628	5.88E-06	-0.0746	0	0.076
ENSP00000351137	2.12E-05	-0.0746	580	0.757
ENSP00000395733	3.18E-06	-0.0746	0	0.695
ENSP00000273067	2.30E-05	-0.0747	205	0.205
ENSP00000343126	7.00E-06	-0.0747	0	0.832
ENSP00000293373	7.97E-06	-0.0747	0	0.186
ENSP00000306522	6.88E-06	-0.0747	0	0.215
ENSP00000266214	7.27E-06	-0.0747	0	0.000
ENSP00000332646	8.20E-06	-0.0747	0	0.062
ENSP00000228837	8.42E-05	-0.0747	257	0.920
ENSP00000265036	9.00E-06	-0.0747	0	0.104
ENSP00000296543	8.38E-06	-0.0747	0	0.427
ENSP00000298746	1.93E-05	-0.0747	443	0.915
ENSP00000219596	1.97E-05	-0.0747	203	0.361
ENSP00000337688	9.19E-06	-0.0747	423	0.183
ENSP00000408695	5.55E-05	-0.0747	908	0.665
ENSP00000260116	1.04E-05	-0.0747	270	0.422
ENSP00000353698	6.39E-06	-0.0748	0	0.231
ENSP00000299853	8.89E-06	-0.0748	0	0.553
ENSP00000262460	1.47E-05	-0.0748	186	0.347
ENSP00000310620	1.16E-05	-0.0748	0	0.086
ENSP00000320184	6.07E-06	-0.0748	0	0.339
ENSP00000310873	6.55E-06	-0.0748	0	0.090
ENSP00000361666	2.56E-05	-0.0748	160	0.095
ENSP00000231498	7.57E-06	-0.0748	0	0.553
ENSP00000262134	1.05E-05	-0.0748	236	0.191
ENSP00000318821	6.14E-06	-0.0748	0	0.090
ENSP00000267163	3.42E-05	-0.0748	288	0.827
ENSP00000261475	7.55E-06	-0.0748	0	0.155

ENSP00000301738	6.51E-06	-0.0748	0	0.083
ENSP00000231238	7.85E-06	-0.0748	0	0.247
ENSP00000255390	8.17E-06	-0.0748	0	0.297
ENSP00000234827	1.68E-05	-0.0748	168	0.875
ENSP00000269601	7.78E-06	-0.0748	0	0.829
ENSP00000281273	5.91E-06	-0.0749	0	0.538
ENSP00000281172	2.11E-05	-0.0749	212	0.599
ENSP00000364073	6.44E-05	-0.0749	650	0.000
ENSP00000264230	1.43E-05	-0.0749	240	0.847
ENSP00000354676	3.56E-05	-0.0749	179	0.059
ENSP00000331901	2.59E-05	-0.0749	500	0.780
ENSP00000266971	6.41E-06	-0.0749	0	0.177
ENSP00000330918	2.06E-05	-0.0749	197	0.258
ENSP00000243903	8.07E-06	-0.0749	0	0.451
ENSP00000278379	5.36E-05	-0.0749	512	0.414
ENSP00000269586	2.34E-05	-0.0749	274	0.494
ENSP00000311245	7.30E-06	-0.0749	0	0.117
ENSP00000294119	3.54E-05	-0.0749	424	0.165
ENSP00000279804	1.15E-04	-0.0749	309	0.831
ENSP00000245838	1.29E-05	-0.0749	869	0.794
ENSP00000216962	1.19E-05	-0.0749	158	0.355
ENSP00000289352	1.38E-05	-0.0749	882	0.000
ENSP00000262419	7.48E-06	-0.0750	0	0.401
ENSP00000368502	3.79E-06	-0.0750	0	0.698
ENSP00000322977	7.80E-06	-0.0750	0	0.612
ENSP00000291281	7.41E-06	-0.0750	0	0.205
ENSP00000344546	7.22E-06	-0.0750	0	0.756
ENSP00000265224	1.33E-05	-0.0750	202	0.670
ENSP00000282841	2.76E-05	-0.0750	150	0.305
ENSP00000331827	9.66E-06	-0.0750	0	0.151
ENSP00000295269	1.29E-05	-0.0750	197	0.246
ENSP00000244766	5.35E-05	-0.0750	282	0.334
ENSP00000341044	4.90E-05	-0.0750	436	0.708
ENSP00000360025	5.54E-05	-0.0751	860	0.857
ENSP00000264279	1.44E-05	-0.0751	243	0.000
ENSP00000296473	1.01E-05	-0.0751	192	0.085
ENSP00000251337	1.77E-05	-0.0751	986	0.648
ENSP00000253462	5.24E-06	-0.0751	0	0.443
ENSP00000216194	1.75E-05	-0.0751	216	0.446
ENSP00000243662	7.32E-06	-0.0751	0	0.146
ENSP00000303058	8.35E-06	-0.0751	0	0.053
ENSP00000303211	3.98E-05	-0.0751	562	0.714
ENSP00000319622	8.51E-06	-0.0751	0	0.093
ENSP00000216038	9.31E-06	-0.0751	0	0.000
ENSP00000250066	1.06E-05	-0.0752	808	0.270
ENSP00000364555	3.70E-05	-0.0752	449	0.699

ENSP00000262027	1.28E-05	-0.0752	449	0.786
ENSP00000318016	7.36E-06	-0.0752	0	0.119
ENSP00000306138	2.26E-05	-0.0752	484	0.740
ENSP00000262887	1.86E-05	-0.0752	153	0.714
ENSP00000253115	7.02E-05	-0.0752	158	0.699
ENSP00000229238	4.96E-06	-0.0752	0	0.257
ENSP00000357799	1.11E-04	-0.0752	225	0.597
ENSP00000255108	5.33E-06	-0.0752	0	0.616
ENSP00000355396	5.76E-06	-0.0752	0	0.590
ENSP00000262953	1.87E-05	-0.0752	202	0.820
ENSP00000281141	1.48E-05	-0.0752	0	0.145
ENSP00000216200	1.13E-05	-0.0752	330	0.650
ENSP00000305958	1.40E-05	-0.0752	866	0.583
ENSP00000393631	1.10E-05	-0.0752	0	0.098
ENSP00000271915	9.19E-06	-0.0752	186	0.421
ENSP00000217169	1.16E-05	-0.0752	0	0.514
ENSP00000262570	5.11E-06	-0.0753	0	0.103
ENSP00000328036	8.41E-06	-0.0753	0	0.164
ENSP00000299441	1.40E-05	-0.0753	151	0.747
ENSP00000251472	7.82E-06	-0.0753	0	0.526
ENSP00000305664	6.58E-06	-0.0753	0	0.103
ENSP00000351608	9.28E-06	-0.0753	0	0.096
ENSP00000219066	1.04E-05	-0.0753	221	0.623
ENSP00000333666	1.04E-05	-0.0753	0	0.095
ENSP00000293894	8.05E-06	-0.0753	0	0.810
ENSP00000344659	1.10E-05	-0.0753	0	0.073
ENSP00000221476	8.79E-05	-0.0753	373	0.567
ENSP00000331902	6.23E-05	-0.0753	705	0.843
ENSP00000312356	5.91E-06	-0.0753	0	0.797
ENSP00000320679	2.59E-05	-0.0753	377	0.271
ENSP00000355623	1.78E-04	-0.0753	158	0.246
ENSP00000344352	4.86E-05	-0.0754	555	0.000
ENSP00000312981	7.82E-06	-0.0754	0	0.734
ENSP00000360905	1.34E-05	-0.0754	0	0.090
ENSP00000317257	6.01E-06	-0.0754	0	0.119
ENSP00000264758	2.96E-05	-0.0754	725	0.217
ENSP00000251074	6.85E-06	-0.0754	0	0.412
ENSP00000238788	7.03E-06	-0.0754	0	0.069
ENSP00000287675	8.62E-06	-0.0755	0	0.230
ENSP00000306356	1.11E-05	-0.0755	0	0.383
ENSP00000274137	1.18E-05	-0.0755	158	0.282
ENSP00000472412	6.02E-07	-0.0755	0	0.000
ENSP00000299626	7.06E-06	-0.0755	0	0.159
ENSP00000247815	6.93E-06	-0.0755	0	0.625
ENSP00000323050	1.51E-05	-0.0755	181	0.783
ENSP00000399075	9.67E-07	-0.0755	0	0.202



ENSP00000306844	7.20E-06	-0.0755	0	0.394
ENSP00000313851	5.68E-06	-0.0755	0	0.508
ENSP00000257118	6.51E-06	-0.0755	0	0.618
ENSP00000263798	1.79E-05	-0.0755	467	0.678
ENSP00000306473	5.80E-06	-0.0755	0	0.262
ENSP00000259037	5.85E-06	-0.0755	0	0.212
ENSP00000278618	8.93E-06	-0.0755	0	0.514
ENSP00000368138	8.40E-06	-0.0755	0	0.216
ENSP00000285968	6.89E-06	-0.0755	0	0.569
ENSP00000263657	1.64E-05	-0.0755	195	0.916
ENSP00000330460	1.58E-05	-0.0756	436	0.930
ENSP00000306999	1.49E-05	-0.0756	183	0.684
ENSP00000378426	3.54E-04	-0.0756	328	0.000
ENSP00000200652	3.09E-05	-0.0756	360	0.515
ENSP00000304845	2.79E-05	-0.0756	245	0.272
ENSP00000216410	1.27E-05	-0.0756	160	0.155
ENSP00000263035	1.20E-05	-0.0756	224	0.438
ENSP00000384000	3.26E-06	-0.0756	0	0.695
ENSP00000293897	1.30E-05	-0.0756	270	0.723
ENSP00000252711	6.07E-06	-0.0756	0	0.233
ENSP00000215730	7.41E-06	-0.0756	0	0.248
ENSP00000276893	7.08E-06	-0.0756	0	0.763
ENSP00000337103	4.35E-05	-0.0756	472	0.757
ENSP00000277575	1.47E-05	-0.0756	223	0.384
ENSP00000216366	6.91E-06	-0.0756	0	0.121
ENSP00000339389	6.79E-06	-0.0757	0	0.280
ENSP00000318861	1.91E-05	-0.0757	551	0.872
ENSP00000266771	8.76E-06	-0.0757	0	0.092
ENSP00000292476	1.78E-05	-0.0757	300	0.430
ENSP00000304891	5.76E-06	-0.0757	0	0.078
ENSP00000253233	1.37E-05	-0.0757	290	0.562
ENSP00000344106	9.47E-06	-0.0757	168	0.096
ENSP00000242872	6.67E-06	-0.0757	0	0.318
ENSP00000357301	1.31E-05	-0.0757	563	0.486
ENSP00000274498	7.53E-06	-0.0757	0	0.573
ENSP00000158771	1.59E-05	-0.0757	801	0.512
ENSP00000305653	7.43E-06	-0.0757	0	0.077
ENSP00000282050	2.07E-05	-0.0757	747	0.681
ENSP00000262209	1.41E-05	-0.0757	205	0.615
ENSP00000265537	1.53E-05	-0.0757	340	0.625
ENSP00000270747	5.93E-06	-0.0757	0	0.584
ENSP00000300107	2.43E-05	-0.0757	359	0.516
ENSP00000246535	6.71E-06	-0.0757	0	0.623
ENSP00000363318	2.41E-05	-0.0758	200	0.877
ENSP00000369857	1.47E-05	-0.0758	177	0.659
ENSP00000217109	7.18E-06	-0.0758	0	0.769

ENSP00000346414	1.30E-05	-0.0758	159	0.495
ENSP00000311572	9.94E-06	-0.0758	0	0.123
ENSP00000261183	3.26E-05	-0.0758	427	0.160
ENSP00000340138	6.45E-06	-0.0758	0	0.000
ENSP00000311401	9.01E-06	-0.0758	0	0.092
ENSP00000253188	8.38E-06	-0.0758	0	0.077
ENSP00000285949	4.41E-05	-0.0758	421	0.236
ENSP00000263382	1.31E-05	-0.0758	427	0.940
ENSP00000319788	8.83E-06	-0.0758	0	0.378
ENSP00000329093	6.26E-06	-0.0758	0	0.214
ENSP00000261741	1.22E-05	-0.0758	229	0.855
ENSP00000337623	9.33E-06	-0.0758	0	0.543
ENSP00000295926	7.05E-06	-0.0758	0	0.604
ENSP00000310785	7.03E-06	-0.0758	0	0.421
ENSP00000302814	5.49E-06	-0.0758	0	0.759
ENSP00000362304	2.58E-05	-0.0758	400	0.139
ENSP00000233607	8.03E-06	-0.0758	0	0.805
ENSP00000311202	9.20E-06	-0.0758	0	0.137
ENSP00000216500	8.45E-06	-0.0758	0	0.111
ENSP00000296215	7.42E-06	-0.0758	0	0.729
ENSP00000338864	1.73E-05	-0.0759	349	0.724
ENSP00000295225	1.23E-05	-0.0759	169	0.427
ENSP00000255389	9.73E-06	-0.0759	304	0.392
ENSP00000320337	1.18E-05	-0.0759	0	0.141
ENSP00000258399	2.17E-05	-0.0759	223	0.262
ENSP00000316114	7.23E-06	-0.0759	0	0.000
ENSP00000366702	9.95E-05	-0.0759	394	0.390
ENSP00000263205	7.36E-06	-0.0759	0	0.691
ENSP00000252172	1.74E-05	-0.0759	244	0.376
ENSP00000322915	7.69E-06	-0.0759	0	0.633
ENSP00000319231	2.68E-05	-0.0759	0	0.112
ENSP00000227880	8.26E-06	-0.0759	0	0.098
ENSP00000306157	8.80E-06	-0.0760	0	0.804
ENSP00000263897	8.50E-06	-0.0760	0	0.194
ENSP00000333735	7.20E-06	-0.0760	0	0.132
ENSP00000354723	2.15E-05	-0.0760	819	0.959
ENSP00000244221	7.15E-06	-0.0760	0	0.102
ENSP00000342858	9.59E-06	-0.0760	0	0.304
ENSP00000040584	8.05E-06	-0.0760	0	0.815
ENSP00000310623	1.71E-05	-0.0760	762	0.343
ENSP00000316454	1.29E-05	-0.0760	0	0.193
ENSP00000341692	5.64E-06	-0.0760	0	0.703
ENSP00000295930	1.30E-05	-0.0760	165	0.934
ENSP00000274242	1.40E-05	-0.0760	159	0.759
ENSP00000268876	6.01E-06	-0.0760	0	0.191
ENSP00000264773	6.98E-06	-0.0761	0	0.158

ENSP00000287022	5.33E-06	-0.0761	0	0.250
ENSP00000299498	1.60E-05	-0.0761	193	0.288
ENSP00000286794	5.74E-06	-0.0761	0	0.411
ENSP00000379464	3.10E-06	-0.0761	0	0.697
ENSP00000274496	6.16E-06	-0.0761	0	0.131
ENSP00000230565	7.97E-06	-0.0761	0	0.063
ENSP00000315775	6.15E-06	-0.0761	0	0.126
ENSP00000264982	2.61E-05	-0.0761	549	0.170
ENSP00000215587	1.03E-05	-0.0761	250	0.817
ENSP00000315064	1.91E-05	-0.0761	0	0.224
ENSP00000323074	1.94E-05	-0.0761	0	0.159
ENSP00000264499	4.03E-05	-0.0761	455	0.235
ENSP00000338562	2.65E-05	-0.0761	377	0.301
ENSP00000339245	8.73E-06	-0.0761	0	0.769
ENSP00000385122	6.03E-06	-0.0761	0	0.112
ENSP00000310722	1.69E-05	-0.0761	554	0.681
ENSP00000338057	5.57E-06	-0.0762	0	0.313
ENSP00000402835	1.41E-05	-0.0762	428	0.000
ENSP00000322524	1.34E-05	-0.0762	0	0.147
ENSP00000365465	6.76E-06	-0.0762	0	0.184
ENSP00000229214	1.12E-05	-0.0762	367	0.920
ENSP00000330694	1.93E-05	-0.0762	0	0.199
ENSP00000276297	8.60E-06	-0.0762	0	0.499
ENSP00000295119	7.03E-06	-0.0762	0	0.512
ENSP00000222402	1.67E-05	-0.0762	187	0.589
ENSP00000326671	6.45E-06	-0.0762	0	0.062
ENSP00000262735	4.19E-05	-0.0762	943	0.890
ENSP00000463817	4.55E-08	-0.0762	0	0.000
ENSP00000331376	9.75E-06	-0.0763	0	0.096
ENSP00000362803	1.75E-05	-0.0763	244	0.796
ENSP00000296684	6.39E-06	-0.0763	0	0.187
ENSP00000311862	1.20E-05	-0.0763	0	0.189
ENSP00000301408	2.60E-05	-0.0763	0	0.462
ENSP00000258499	7.43E-06	-0.0763	0	0.856
ENSP00000262316	6.63E-06	-0.0763	0	0.143
ENSP00000310842	5.45E-06	-0.0763	0	0.627
ENSP00000335655	1.02E-05	-0.0763	0	0.112
ENSP00000341538	7.55E-06	-0.0763	160	0.567
ENSP00000296266	2.46E-05	-0.0763	223	0.428
ENSP00000299206	6.26E-06	-0.0763	0	0.629
ENSP00000264389	6.74E-06	-0.0763	0	0.360
ENSP00000225916	1.20E-05	-0.0763	399	0.000
ENSP00000391453	7.58E-06	-0.0763	0	0.155
ENSP00000263985	6.11E-06	-0.0763	0	0.000
ENSP00000253329	1.08E-05	-0.0763	244	0.737
ENSP00000335614	6.40E-06	-0.0763	0	0.083

ENSP00000302783	6.77E-06	-0.0763	0	0.159
ENSP00000431872	2.23E-05	-0.0763	310	0.673
ENSP00000316596	7.98E-06	-0.0763	0	0.046
ENSP00000298472	8.85E-06	-0.0764	0	0.427
ENSP00000331907	1.72E-05	-0.0764	306	0.933
ENSP00000318355	1.33E-05	-0.0764	193	0.261
ENSP00000274813	2.02E-05	-0.0764	190	0.635
ENSP00000320176	6.91E-06	-0.0764	0	0.389
ENSP00000310275	1.73E-05	-0.0764	207	0.824
ENSP00000288422	1.08E-05	-0.0764	0	0.630
ENSP00000265164	2.41E-05	-0.0764	954	0.750
ENSP00000237530	5.82E-06	-0.0764	0	0.494
ENSP00000233596	7.39E-06	-0.0764	0	0.094
ENSP00000296137	7.35E-06	-0.0764	0	0.073
ENSP00000365443	3.27E-06	-0.0764	0	0.000
ENSP00000288670	5.68E-06	-0.0764	0	0.115
ENSP00000340925	8.20E-06	-0.0764	349	0.000
ENSP00000247655	5.94E-06	-0.0765	0	0.301
ENSP00000250237	6.24E-06	-0.0765	0	0.559
ENSP00000324392	7.61E-06	-0.0765	0	0.143
ENSP00000229854	1.18E-05	-0.0765	197	0.788
ENSP00000322343	5.23E-06	-0.0765	0	0.731
ENSP00000303434	6.87E-06	-0.0765	0	0.133
ENSP00000298355	9.05E-06	-0.0765	0	0.171
ENSP00000327009	6.80E-06	-0.0765	0	0.082
ENSP00000333037	2.88E-05	-0.0765	449	0.693
ENSP00000363822	6.31E-05	-0.0765	843	0.893
ENSP00000233714	8.02E-06	-0.0765	0	0.088
ENSP00000307939	8.06E-06	-0.0765	0	0.084
ENSP00000250784	1.04E-05	-0.0766	179	0.866
ENSP00000174618	3.82E-05	-0.0766	301	0.714
ENSP00000243056	5.09E-06	-0.0766	0	0.760
ENSP00000356135	2.40E-07	-0.0766	0	0.172
ENSP00000340737	7.99E-06	-0.0766	0	0.704
ENSP00000265044	6.34E-06	-0.0766	0	0.394
ENSP00000265715	6.99E-06	-0.0766	0	0.287
ENSP00000334128	7.73E-06	-0.0766	0	0.177
ENSP00000228825	6.31E-06	-0.0766	0	0.398
ENSP00000310040	1.74E-05	-0.0766	307	0.773
ENSP00000352516	4.75E-05	-0.0767	593	0.793
ENSP00000348918	3.28E-05	-0.0767	473	0.731
ENSP00000217073	2.17E-05	-0.0767	522	0.921
ENSP00000249750	1.40E-05	-0.0767	548	0.616
ENSP00000294904	1.32E-05	-0.0767	0	0.401
ENSP00000299502	5.85E-05	-0.0767	472	0.871
ENSP00000299293	2.67E-05	-0.0767	286	0.000

ENSP00000361207	2.40E-05	-0.0767	198	0.414
ENSP00000012443	9.96E-06	-0.0767	283	0.673
ENSP00000315925	1.97E-05	-0.0767	186	0.178
ENSP00000312837	1.27E-05	-0.0767	0	0.000
ENSP00000256190	7.06E-06	-0.0768	0	0.085
ENSP00000285046	1.00E-05	-0.0768	0	0.095
ENSP00000275517	4.92E-06	-0.0768	0	0.377
ENSP00000296438	2.58E-06	-0.0768	0	0.210
ENSP00000263354	6.63E-06	-0.0768	0	0.231
ENSP00000261749	8.13E-06	-0.0768	0	0.111
ENSP00000359368	7.66E-06	-0.0768	0	0.000
ENSP00000387006	2.55E-05	-0.0768	296	0.721
ENSP00000222008	7.84E-06	-0.0768	0	0.183
ENSP00000327821	7.09E-06	-0.0768	0	0.659
ENSP00000204566	8.90E-06	-0.0768	0	0.465
ENSP00000327077	7.62E-06	-0.0768	0	0.154
ENSP00000357356	3.36E-06	-0.0768	0	0.000
ENSP00000330737	5.72E-06	-0.0768	0	0.126
ENSP00000296754	1.74E-05	-0.0768	766	0.460
ENSP00000282223	8.66E-05	-0.0768	900	0.279
ENSP00000314420	7.32E-06	-0.0768	0	0.424
ENSP00000287295	1.48E-05	-0.0768	383	0.647
ENSP00000262173	5.93E-06	-0.0768	0	0.549
ENSP00000386393	3.08E-06	-0.0768	0	0.695
ENSP00000248437	3.27E-05	-0.0768	557	0.609
ENSP00000263346	7.14E-06	-0.0768	0	0.140
ENSP00000318066	9.41E-06	-0.0768	0	0.063
ENSP00000333813	7.71E-06	-0.0768	249	0.120
ENSP00000333551	9.47E-06	-0.0768	0	0.110
ENSP00000326170	7.70E-06	-0.0768	0	0.059
ENSP00000188312	1.52E-05	-0.0768	319	0.685
ENSP00000243997	5.26E-06	-0.0769	0	0.163
ENSP00000219481	7.84E-06	-0.0769	0	0.298
ENSP00000356694	5.04E-05	-0.0769	883	0.930
ENSP00000296277	5.72E-06	-0.0769	0	0.763
ENSP00000322180	4.99E-06	-0.0769	0	0.594
ENSP00000339503	7.97E-06	-0.0769	195	0.385
ENSP00000278353	7.48E-06	-0.0769	0	0.259
ENSP00000312599	6.71E-06	-0.0769	0	0.092
ENSP00000200181	1.12E-04	-0.0769	847	0.858
ENSP00000315351	9.01E-06	-0.0769	0	0.096
ENSP00000300403	1.04E-05	-0.0769	0	0.517
ENSP00000301607	1.79E-05	-0.0770	0	0.199
ENSP00000297423	8.36E-05	-0.0770	0	0.000
ENSP00000342181	6.35E-06	-0.0770	0	0.709
ENSP00000402758	2.52E-05	-0.0770	206	0.692

ENSP00000312066	6.49E-06	-0.0770	0	0.667
ENSP00000339353	6.30E-06	-0.0770	0	0.000
ENSP00000338207	2.19E-05	-0.0770	462	0.818
ENSP00000259667	1.47E-05	-0.0770	301	0.413
ENSP00000280871	7.24E-06	-0.0771	0	0.076
ENSP00000435289	2.05E-05	-0.0771	222	0.082
ENSP00000321703	5.77E-06	-0.0771	0	0.241
ENSP00000326572	9.60E-06	-0.0771	202	0.000
ENSP00000354694	3.40E-06	-0.0771	0	0.697
ENSP00000339958	1.06E-05	-0.0771	261	0.592
ENSP00000280886	6.59E-06	-0.0771	0	0.189
ENSP00000309186	2.61E-05	-0.0771	161	0.156
ENSP00000362576	3.42E-05	-0.0771	608	0.705
ENSP00000250003	2.94E-05	-0.0772	948	0.000
ENSP00000337761	1.42E-05	-0.0772	307	0.255
ENSP00000318085	2.45E-05	-0.0772	196	0.746
ENSP00000313377	7.24E-06	-0.0772	0	0.202
ENSP00000328405	6.52E-06	-0.0772	0	0.248
ENSP00000220849	2.69E-05	-0.0772	370	0.888
ENSP00000230792	5.49E-06	-0.0772	0	0.162
ENSP00000341082	5.75E-06	-0.0772	332	0.664
ENSP00000283254	6.86E-06	-0.0772	0	0.348
ENSP00000261867	8.22E-06	-0.0772	0	0.078
ENSP00000312814	5.69E-06	-0.0772	0	0.102
ENSP00000305459	6.48E-06	-0.0772	0	0.142
ENSP00000354932	2.04E-05	-0.0772	284	0.880
ENSP00000251968	1.94E-05	-0.0773	270	0.464
ENSP00000222214	6.06E-06	-0.0773	0	0.288
ENSP00000291442	7.89E-06	-0.0773	0	0.842
ENSP00000249071	1.31E-05	-0.0773	433	0.560
ENSP00000330930	1.35E-05	-0.0773	0	0.000
ENSP00000225603	7.37E-06	-0.0773	0	0.832
ENSP00000287394	2.04E-05	-0.0773	272	0.789
ENSP00000301962	6.22E-06	-0.0773	0	0.624
ENSP00000301587	1.28E-05	-0.0773	205	0.369
ENSP00000007516	9.80E-06	-0.0773	191	0.449
ENSP00000362931	9.51E-04	-0.0773	496	0.788
ENSP00000332549	2.82E-05	-0.0773	252	0.761
ENSP00000261497	9.59E-06	-0.0773	607	0.893
ENSP00000346733	4.26E-05	-0.0773	242	0.208
ENSP00000358918	3.41E-05	-0.0774	233	0.819
ENSP00000419718	3.10E-06	-0.0774	0	0.075
ENSP00000336747	2.33E-05	-0.0774	359	0.300
ENSP00000216714	1.27E-05	-0.0774	215	0.735
ENSP00000333537	9.50E-06	-0.0774	0	0.000
ENSP00000254759	5.64E-06	-0.0774	0	0.198

ENSP00000323687	5.65E-06	-0.0774	0	0.206
ENSP00000265593	6.23E-06	-0.0774	0	0.172
ENSP00000258975	6.12E-06	-0.0774	0	0.314
ENSP00000266037	9.25E-06	-0.0774	250	0.390
ENSP00000013070	2.11E-05	-0.0774	0	0.187
ENSP00000019317	5.78E-06	-0.0774	0	0.415
ENSP00000254928	5.80E-06	-0.0774	0	0.332
ENSP00000221486	1.08E-05	-0.0774	185	0.599
ENSP00000301463	1.59E-05	-0.0774	0	0.152
ENSP00000382030	1.19E-05	-0.0774	0	0.164
ENSP00000266505	6.03E-06	-0.0774	0	0.225
ENSP00000311219	1.69E-05	-0.0775	0	0.000
ENSP00000184956	2.38E-05	-0.0775	0	0.737
ENSP00000407436	2.57E-05	-0.0775	326	0.000
ENSP00000306003	4.65E-06	-0.0775	0	0.261
ENSP00000223054	2.73E-05	-0.0775	187	0.132
ENSP00000302936	8.25E-06	-0.0775	0	0.063
ENSP00000371271	2.82E-07	-0.0775	0	0.187
ENSP00000224950	3.00E-05	-0.0775	194	0.723
ENSP00000258455	1.07E-05	-0.0775	365	0.787
ENSP00000346509	8.69E-06	-0.0775	0	0.996
ENSP00000238558	6.14E-06	-0.0775	0	0.788
ENSP00000174653	6.30E-06	-0.0776	0	0.105
ENSP00000319104	1.79E-05	-0.0776	181	0.888
ENSP00000040877	5.97E-06	-0.0776	0	0.661
ENSP00000357204	3.14E-05	-0.0776	198	0.860
ENSP00000227474	1.01E-05	-0.0776	317	0.688
ENSP00000235349	7.58E-05	-0.0776	0	0.184
ENSP00000238721	6.08E-06	-0.0776	0	0.206
ENSP00000251412	1.14E-05	-0.0776	229	0.423
ENSP00000342300	1.19E-05	-0.0776	0	0.644
ENSP00000343464	2.82E-05	-0.0776	562	0.770
ENSP00000334280	6.40E-06	-0.0777	0	0.323
ENSP00000350848	5.43E-06	-0.0777	0	0.146
ENSP00000329715	7.31E-06	-0.0777	405	0.820
ENSP00000306449	1.64E-05	-0.0777	271	0.428
ENSP00000299505	2.16E-05	-0.0777	0	0.104
ENSP00000324527	2.60E-05	-0.0777	244	0.384
ENSP00000252771	5.43E-06	-0.0777	0	0.257
ENSP00000276062	5.96E-06	-0.0777	0	0.332
ENSP00000376110	3.23E-06	-0.0777	0	0.693
ENSP00000292807	1.46E-05	-0.0777	190	0.307
ENSP00000347210	3.48E-06	-0.0777	0	0.697
ENSP00000317039	1.52E-05	-0.0777	159	0.511
ENSP00000338728	9.15E-06	-0.0777	0	0.133
ENSP00000222644	1.00E-05	-0.0777	302	0.505

ENSP00000262302	1.33E-05	-0.0777	185	0.231
ENSP00000216484	1.92E-05	-0.0778	229	0.377
ENSP00000300417	2.31E-05	-0.0778	372	0.698
ENSP00000357810	4.90E-06	-0.0778	0	0.667
ENSP00000292475	5.08E-06	-0.0778	0	0.256
ENSP00000308275	8.14E-06	-0.0778	0	0.374
ENSP00000356655	2.91E-06	-0.0778	0	0.191
ENSP00000274335	2.22E-05	-0.0778	901	0.000
ENSP00000346348	3.34E-06	-0.0779	0	0.697
ENSP00000343081	4.98E-06	-0.0779	0	0.827
ENSP00000234626	1.13E-05	-0.0779	163	0.732
ENSP00000318604	5.62E-06	-0.0779	0	0.551
ENSP00000363095	1.03E-05	-0.0779	329	0.377
ENSP00000199447	1.21E-05	-0.0779	398	0.583
ENSP00000222553	8.26E-05	-0.0779	345	0.720
ENSP00000397881	1.51E-06	-0.0779	0	0.118
ENSP00000285298	6.18E-06	-0.0779	0	0.000
ENSP00000310127	2.61E-05	-0.0779	907	0.865
ENSP00000219794	1.21E-05	-0.0779	186	0.438
ENSP00000377721	5.86E-05	-0.0779	231	0.879
ENSP00000248929	6.06E-06	-0.0779	0	0.245
ENSP00000290231	6.23E-06	-0.0779	0	0.400
ENSP00000337452	1.08E-05	-0.0779	0	0.103
ENSP00000297954	8.17E-06	-0.0779	0	0.070
ENSP00000253413	5.65E-06	-0.0779	0	0.189
ENSP00000260102	9.34E-06	-0.0780	183	0.800
ENSP00000307260	4.87E-06	-0.0780	0	0.452
ENSP00000328808	1.39E-05	-0.0780	402	0.000
ENSP00000171111	6.24E-05	-0.0780	349	0.739
ENSP00000341268	2.28E-05	-0.0780	155	0.768
ENSP00000445677	3.60E-05	-0.0780	258	0.000
ENSP00000348349	2.01E-05	-0.0780	244	0.438
ENSP00000304292	1.50E-05	-0.0780	260	0.615
ENSP00000296870	4.02E-05	-0.0780	459	0.943
ENSP00000321320	5.70E-06	-0.0780	0	0.000
ENSP00000312107	1.18E-05	-0.0781	154	0.085
ENSP00000295266	2.32E-05	-0.0781	262	0.392
ENSP00000320646	6.42E-06	-0.0781	0	0.281
ENSP00000379092	1.61E-05	-0.0781	665	0.841
ENSP00000291386	9.17E-06	-0.0781	0	0.651
ENSP00000266070	7.07E-06	-0.0781	0	0.830
ENSP00000332791	1.09E-05	-0.0781	0	0.141
ENSP00000264930	5.55E-06	-0.0781	0	0.101
ENSP00000378349	1.03E-05	-0.0781	352	0.119
ENSP00000218348	5.28E-06	-0.0781	0	0.424
ENSP00000262144	2.15E-05	-0.0781	202	0.923



ENSP00000250405	5.20E-05	-0.0781	186	0.691
ENSP00000323377	5.57E-06	-0.0781	0	0.283
ENSP00000301761	3.93E-05	-0.0781	195	0.469
ENSP00000253925	4.37E-06	-0.0782	0	0.132
ENSP00000363869	2.14E-05	-0.0782	252	0.225
ENSP00000383042	4.24E-05	-0.0782	487	0.000
ENSP00000264028	1.21E-05	-0.0782	306	0.190
ENSP00000300747	1.86E-05	-0.0782	570	0.296
ENSP00000327124	1.03E-05	-0.0782	0	0.000
ENSP00000275230	7.40E-06	-0.0782	0	0.115
ENSP00000330216	1.17E-05	-0.0782	0	0.269
ENSP00000215574	1.23E-05	-0.0782	178	0.747
ENSP00000333633	1.16E-04	-0.0782	906	0.775
ENSP00000351894	3.18E-05	-0.0782	900	0.781
ENSP00000254181	1.88E-05	-0.0782	223	0.252
ENSP00000216442	6.36E-06	-0.0782	0	0.074
ENSP00000295709	1.13E-05	-0.0782	194	0.251
ENSP00000265245	1.09E-05	-0.0782	240	0.901
ENSP00000360683	3.35E-05	-0.0782	913	0.916
ENSP00000329097	5.94E-06	-0.0782	0	0.590
ENSP00000287156	1.97E-05	-0.0783	256	0.645
ENSP00000341562	3.98E-05	-0.0783	197	0.154
ENSP00000262584	1.17E-05	-0.0783	760	0.832
ENSP00000233336	4.31E-05	-0.0783	242	0.313
ENSP00000323967	7.51E-06	-0.0783	0	0.816
ENSP00000250617	6.07E-06	-0.0783	0	0.420
ENSP00000265097	3.52E-05	-0.0783	904	0.519
ENSP00000313869	1.40E-05	-0.0783	240	0.140
ENSP00000299443	1.29E-05	-0.0783	266	0.679
ENSP00000222753	8.33E-06	-0.0783	0	0.833
ENSP00000256031	6.57E-06	-0.0783	0	0.141
ENSP00000281187	6.36E-06	-0.0783	0	0.147
ENSP00000265038	5.54E-06	-0.0783	0	0.599
ENSP00000267103	5.70E-06	-0.0783	0	0.736
ENSP00000270570	5.66E-06	-0.0784	0	0.072
ENSP00000310568	6.55E-06	-0.0784	0	0.176
ENSP00000280700	6.60E-06	-0.0784	0	0.105
ENSP00000295902	1.12E-05	-0.0784	270	0.597
ENSP00000362110	1.96E-05	-0.0784	443	0.883
ENSP00000356674	3.32E-06	-0.0784	0	0.699
ENSP00000333253	8.71E-06	-0.0784	0	0.379
ENSP00000335463	4.71E-06	-0.0784	0	0.333
ENSP00000377789	1.89E-05	-0.0784	262	0.574
ENSP00000274712	9.82E-06	-0.0784	165	0.430
ENSP00000215095	1.96E-05	-0.0784	377	0.258
ENSP00000255381	1.76E-05	-0.0785	434	0.511

ENSP00000261245	6.31E-06	-0.0785	0	0.776
ENSP00000462986	1.99E-05	-0.0785	502	0.000
ENSP00000310966	7.73E-06	-0.0785	0	0.430
ENSP00000337946	1.48E-05	-0.0785	311	0.235
ENSP00000332969	9.71E-06	-0.0785	0	0.252
ENSP00000282344	6.90E-06	-0.0785	0	0.170
ENSP00000335082	1.95E-05	-0.0785	0	0.126
ENSP00000311095	8.50E-06	-0.0785	0	0.361
ENSP00000282007	6.83E-06	-0.0785	0	0.702
ENSP00000324127	6.70E-06	-0.0785	0	0.135
ENSP00000266376	1.67E-05	-0.0785	239	0.574
ENSP00000253024	6.42E-06	-0.0785	0	0.799
ENSP00000245816	1.59E-05	-0.0786	508	0.715
ENSP00000308000	2.06E-05	-0.0786	159	0.821
ENSP00000365370	3.62E-05	-0.0786	195	0.977
ENSP00000408994	2.12E-05	-0.0786	175	0.491
ENSP00000308012	2.14E-05	-0.0786	502	0.888
ENSP00000366934	7.71E-06	-0.0786	0	0.570
ENSP00000245503	1.63E-05	-0.0786	900	0.562
ENSP00000257548	5.65E-06	-0.0786	0	0.792
ENSP00000323300	6.54E-06	-0.0786	0	0.254
ENSP00000412292	4.01E-05	-0.0786	150	0.195
ENSP00000295066	5.71E-06	-0.0786	0	0.612
ENSP00000376930	8.42E-06	-0.0786	0	0.069
ENSP00000280346	1.52E-05	-0.0786	350	0.555
ENSP00000212355	9.97E-05	-0.0786	915	0.683
ENSP00000276689	5.24E-06	-0.0786	0	0.203
ENSP00000260433	3.40E-05	-0.0786	358	0.892
ENSP00000261726	6.19E-06	-0.0786	0	0.524
ENSP00000228284	7.01E-06	-0.0786	0	0.825
ENSP00000454021	1.77E-05	-0.0786	154	0.687
ENSP00000372484	1.78E-07	-0.0787	0	0.215
ENSP00000294618	7.98E-06	-0.0787	0	0.193
ENSP00000318176	6.50E-06	-0.0787	0	0.542
ENSP00000306190	1.02E-05	-0.0787	0	0.857
ENSP00000276066	2.21E-05	-0.0787	196	0.241
ENSP00000320672	5.05E-06	-0.0787	0	0.109
ENSP00000320567	5.86E-06	-0.0787	0	0.255
ENSP00000171214	1.07E-04	-0.0787	769	0.000
ENSP00000270474	1.70E-05	-0.0787	514	0.000
ENSP00000367972	2.46E-05	-0.0787	209	0.867
ENSP00000360183	2.73E-05	-0.0788	327	0.241
ENSP00000380840	4.08E-06	-0.0788	0	0.699
ENSP00000420298	2.00E-05	-0.0788	159	0.279
ENSP00000305847	6.02E-05	-0.0788	0	0.174
ENSP00000376250	1.44E-05	-0.0788	150	0.094

ENSP00000252050	1.41E-05	-0.0788	0	0.252
ENSP00000258873	1.99E-05	-0.0788	167	0.476
ENSP00000360165	3.67E-05	-0.0788	449	0.688
ENSP00000346050	5.13E-05	-0.0788	294	0.767
ENSP00000248846	5.82E-06	-0.0788	0	0.106
ENSP00000287652	2.48E-05	-0.0788	201	0.243
ENSP00000262544	1.21E-05	-0.0788	415	0.282
ENSP00000375229	1.04E-05	-0.0788	0	0.000
ENSP00000245544	1.07E-05	-0.0789	576	0.550
ENSP00000304440	3.10E-05	-0.0789	215	0.345
ENSP00000309415	6.60E-06	-0.0789	0	0.145
ENSP00000237853	1.17E-05	-0.0789	0	0.661
ENSP00000362618	1.87E-05	-0.0789	508	0.918
ENSP00000281701	1.39E-05	-0.0789	289	0.617
ENSP00000362621	1.87E-05	-0.0789	508	0.918
ENSP00000327604	1.12E-05	-0.0789	0	0.278
ENSP00000295887	1.40E-05	-0.0789	200	0.323
ENSP00000262315	4.80E-06	-0.0789	0	0.667
ENSP00000160382	1.27E-05	-0.0789	316	0.735
ENSP00000341071	1.88E-05	-0.0789	184	0.508
ENSP00000360034	8.67E-05	-0.0789	198	0.789
ENSP00000263269	6.15E-06	-0.0789	0	0.580
ENSP00000339720	5.37E-06	-0.0790	0	0.175
ENSP00000264161	1.26E-05	-0.0790	258	0.679
ENSP00000390179	5.17E-06	-0.0790	0	0.690
ENSP00000219343	6.82E-06	-0.0790	0	0.068
ENSP00000361373	1.10E-05	-0.0790	163	0.742
ENSP00000396259	5.20E-05	-0.0790	214	0.879
ENSP00000203407	8.35E-06	-0.0790	282	0.491
ENSP00000315247	3.71E-06	-0.0790	0	0.217
ENSP00000262432	1.31E-05	-0.0791	0	0.112
ENSP00000302886	1.90E-05	-0.0791	601	0.000
ENSP00000287713	1.77E-05	-0.0791	252	0.351
ENSP00000252136	5.05E-06	-0.0791	0	0.714
ENSP00000377233	1.97E-05	-0.0791	159	0.337
ENSP00000354920	1.93E-05	-0.0791	214	0.208
ENSP00000263246	3.10E-05	-0.0791	175	0.509
ENSP00000297405	7.51E-06	-0.0791	0	0.055
ENSP00000353132	5.36E-06	-0.0791	0	0.763
ENSP00000377700	3.99E-06	-0.0792	0	0.127
ENSP00000352572	2.76E-05	-0.0792	240	0.561
ENSP00000219611	1.15E-05	-0.0792	193	0.000
ENSP00000372124	1.78E-07	-0.0792	0	0.000
ENSP00000263083	1.92E-05	-0.0792	576	0.630
ENSP00000349275	4.11E-05	-0.0792	264	0.917
ENSP00000302719	5.86E-06	-0.0792	0	0.099

ENSP00000245796	6.32E-06	-0.0792	0	0.145
ENSP00000311847	1.51E-05	-0.0792	302	0.656
ENSP00000357234	1.25E-05	-0.0792	0	0.194
ENSP00000326550	5.80E-06	-0.0792	0	0.359
ENSP00000338272	5.52E-05	-0.0792	847	0.880
ENSP00000279263	6.31E-06	-0.0792	0	0.240
ENSP00000307046	8.11E-05	-0.0793	965	0.810
ENSP00000268129	6.50E-06	-0.0793	0	0.090
ENSP00000293414	1.49E-05	-0.0793	307	0.647
ENSP00000280612	1.34E-05	-0.0793	260	0.278
ENSP00000319240	1.70E-05	-0.0793	232	0.852
ENSP00000334941	7.93E-06	-0.0793	0	0.636
ENSP00000366372	1.32E-06	-0.0793	0	0.216
ENSP00000351480	2.00E-05	-0.0793	338	0.000
ENSP00000340296	7.04E-06	-0.0793	183	0.000
ENSP00000375748	1.79E-05	-0.0793	271	0.240
ENSP00000333380	1.37E-05	-0.0793	0	0.000
ENSP00000261326	6.39E-06	-0.0794	0	0.070
ENSP00000325485	1.36E-05	-0.0794	0	0.499
ENSP00000347338	4.45E-06	-0.0794	0	0.000
ENSP00000447057	5.70E-06	-0.0794	0	0.192
ENSP00000340454	8.30E-06	-0.0794	428	0.298
ENSP00000297229	5.22E-06	-0.0794	0	0.000
ENSP00000340279	4.59E-05	-0.0794	0	0.302
ENSP00000316377	4.01E-06	-0.0794	0	0.121
ENSP00000298832	5.24E-06	-0.0794	0	0.142
ENSP00000343144	5.55E-06	-0.0794	0	0.271
ENSP00000327738	1.10E-05	-0.0794	0	0.321
ENSP00000304370	1.83E-05	-0.0794	402	0.828
ENSP00000239440	2.47E-05	-0.0794	154	0.336
ENSP00000233969	6.16E-06	-0.0794	0	0.222
ENSP00000363746	2.30E-05	-0.0794	220	0.880
ENSP00000334840	6.36E-06	-0.0794	0	0.000
ENSP00000219479	1.42E-05	-0.0794	324	0.613
ENSP00000302625	2.14E-05	-0.0794	494	0.936
ENSP00000312442	2.16E-05	-0.0795	184	0.171
ENSP00000362082	4.79E-05	-0.0795	207	0.861
ENSP00000261776	5.61E-06	-0.0795	0	0.211
ENSP00000265748	9.15E-06	-0.0795	0	0.239
ENSP00000223215	1.68E-05	-0.0795	517	0.330
ENSP00000377751	2.77E-06	-0.0795	0	0.104
ENSP00000316203	8.62E-06	-0.0795	0	0.000
ENSP00000316021	8.27E-06	-0.0795	0	0.000
ENSP00000392995	2.17E-05	-0.0795	168	0.498
ENSP00000332818	2.26E-05	-0.0795	161	0.098
ENSP00000290541	1.89E-05	-0.0795	245	0.513

ENSP00000320543	4.97E-06	-0.0795	0	0.185
ENSP00000309116	8.34E-06	-0.0795	0	0.692
ENSP00000215567	1.44E-05	-0.0795	242	0.230
ENSP00000472367	8.30E-08	-0.0796	0	0.000
ENSP00000257749	9.52E-06	-0.0796	0	0.694
ENSP00000313603	1.27E-05	-0.0796	157	0.711
ENSP00000340900	5.99E-06	-0.0796	0	0.088
ENSP00000372547	5.97E-05	-0.0796	282	0.880
ENSP00000347314	1.65E-05	-0.0796	556	0.253
ENSP00000386126	1.42E-05	-0.0796	150	0.147
ENSP00000379602	2.63E-05	-0.0796	346	0.246
ENSP00000297837	1.11E-05	-0.0796	202	0.624
ENSP00000264883	6.94E-06	-0.0796	0	0.494
ENSP00000332679	1.20E-05	-0.0796	207	0.301
ENSP00000251630	1.41E-05	-0.0796	217	0.672
ENSP00000215071	5.53E-06	-0.0797	0	0.420
ENSP00000350418	3.53E-06	-0.0797	0	0.693
ENSP00000369976	1.26E-05	-0.0797	158	0.092
ENSP00000205214	5.96E-06	-0.0797	0	0.484
ENSP00000307786	2.99E-05	-0.0797	284	0.732
ENSP00000349161	3.57E-06	-0.0797	0	0.692
ENSP00000298838	3.32E-05	-0.0797	185	0.423
ENSP00000398076	6.80E-06	-0.0797	0	0.066
ENSP00000349823	2.07E-05	-0.0797	160	0.920
ENSP00000311873	1.84E-05	-0.0797	376	0.730
ENSP00000315774	1.61E-05	-0.0797	201	0.328
ENSP00000338777	8.13E-06	-0.0797	0	0.122
ENSP00000252622	5.52E-06	-0.0798	0	0.812
ENSP00000258742	5.99E-06	-0.0798	0	0.347
ENSP00000242285	5.75E-06	-0.0798	0	0.248
ENSP00000324074	8.77E-06	-0.0798	0	0.000
ENSP00000254521	7.98E-06	-0.0798	0	0.289
ENSP00000469669	6.56E-08	-0.0798	0	0.000
ENSP00000288111	6.90E-06	-0.0798	0	0.248
ENSP00000339850	5.27E-06	-0.0798	0	0.306
ENSP00000308344	6.72E-06	-0.0798	0	0.000
ENSP00000343366	5.97E-07	-0.0798	0	0.206
ENSP00000348461	5.19E-05	-0.0798	947	0.770
ENSP00000472039	2.71E-05	-0.0799	202	0.000
ENSP00000257694	1.22E-05	-0.0799	0	0.146
ENSP00000256854	5.35E-06	-0.0799	0	0.646
ENSP00000326514	7.30E-06	-0.0799	284	0.237
ENSP00000302160	5.98E-06	-0.0799	0	0.716
ENSP00000258449	5.88E-06	-0.0799	0	0.132
ENSP00000267622	1.24E-05	-0.0799	0	0.358
ENSP00000334246	6.65E-06	-0.0799	0	0.177

ENSP00000233535	6.75E-06	-0.0800	0	0.083
ENSP00000412267	1.34E-05	-0.0800	157	0.000
ENSP00000342344	8.37E-06	-0.0800	0	0.104
ENSP00000272167	1.98E-05	-0.0800	206	0.346
ENSP00000351248	5.33E-06	-0.0800	0	0.000
ENSP00000316053	1.58E-05	-0.0800	891	0.252
ENSP00000298281	6.85E-06	-0.0800	0	0.770
ENSP00000264933	6.72E-06	-0.0800	0	0.070
ENSP00000353581	1.96E-05	-0.0800	724	0.000
ENSP00000333194	1.44E-05	-0.0800	211	0.648
ENSP00000327650	1.19E-05	-0.0800	208	0.202
ENSP00000275820	5.62E-06	-0.0800	0	0.773
ENSP00000290524	1.11E-05	-0.0800	163	0.744
ENSP00000353854	1.08E-05	-0.0800	0	0.141
ENSP00000248901	6.40E-06	-0.0800	0	0.136
ENSP00000347712	8.64E-06	-0.0801	0	0.116
ENSP00000286621	1.23E-05	-0.0801	218	0.410
ENSP00000271764	1.26E-05	-0.0801	0	0.400
ENSP00000223369	1.86E-05	-0.0801	201	0.242
ENSP00000279068	6.85E-06	-0.0801	0	0.620
ENSP00000222990	5.86E-06	-0.0801	0	0.126
ENSP00000319341	2.11E-05	-0.0801	438	0.756
ENSP00000223122	1.57E-05	-0.0801	213	0.224
ENSP00000291576	2.29E-05	-0.0802	189	0.879
ENSP00000321821	8.42E-06	-0.0802	0	0.192
ENSP00000306760	9.50E-05	-0.0802	0	0.108
ENSP00000297534	1.45E-05	-0.0802	0	0.107
ENSP00000264159	2.27E-05	-0.0802	160	0.917
ENSP00000340171	7.34E-05	-0.0802	191	0.693
ENSP00000361597	8.28E-07	-0.0802	0	0.159
ENSP00000366352	6.37E-07	-0.0802	0	0.212
ENSP00000340742	8.01E-06	-0.0802	162	0.212
ENSP00000272395	1.03E-05	-0.0802	0	0.310
ENSP00000409316	1.19E-07	-0.0802	0	0.189
ENSP00000352172	3.71E-02	-0.0802	0	0.212
ENSP00000252669	7.63E-06	-0.0803	0	0.000
ENSP00000216254	1.25E-05	-0.0803	370	0.604
ENSP00000328854	1.01E-05	-0.0803	191	0.867
ENSP00000302227	4.99E-06	-0.0803	0	0.219
ENSP00000227349	3.07E-04	-0.0803	0	0.190
ENSP00000454404	1.15E-06	-0.0803	0	0.186
ENSP00000296102	6.27E-06	-0.0803	0	0.589
ENSP00000216840	1.14E-05	-0.0803	0	0.087
ENSP00000296411	1.09E-05	-0.0803	305	0.796
ENSP00000341159	3.49E-05	-0.0803	560	0.322
ENSP00000252818	2.48E-05	-0.0803	927	0.000

ENSP00000282466	5.50E-06	-0.0803	0	0.445
ENSP00000254108	3.48E-05	-0.0804	571	0.792
ENSP00000275730	5.80E-06	-0.0804	0	0.072
ENSP00000405218	2.21E-05	-0.0804	358	0.716
ENSP00000447300	1.58E-05	-0.0804	323	0.216
ENSP00000356975	8.40E-05	-0.0804	598	0.644
ENSP00000339795	2.06E-05	-0.0804	301	0.896
ENSP00000318867	7.75E-06	-0.0805	0	0.268
ENSP00000342262	7.67E-06	-0.0805	0	0.469
ENSP00000341189	5.46E-05	-0.0805	939	0.932
ENSP00000358397	3.94E-06	-0.0805	0	0.163
ENSP00000364813	2.07E-05	-0.0805	262	0.761
ENSP00000324956	2.26E-05	-0.0805	930	0.633
ENSP00000396749	7.32E-06	-0.0805	175	0.355
ENSP00000256906	1.85E-05	-0.0805	325	0.482
ENSP00000358452	7.79E-06	-0.0805	0	0.000
ENSP00000265564	5.77E-06	-0.0805	0	0.845
ENSP00000257789	8.14E-06	-0.0805	0	0.641
ENSP00000343867	8.46E-06	-0.0805	307	0.672
ENSP00000202816	4.82E-06	-0.0805	0	0.881
ENSP00000356070	8.14E-05	-0.0806	214	0.832
ENSP00000366288	2.37E-05	-0.0806	810	0.302
ENSP00000351391	3.98E-06	-0.0806	0	0.703
ENSP00000311429	4.33E-06	-0.0806	0	0.416
ENSP00000317473	5.48E-06	-0.0806	0	0.144
ENSP00000301764	1.94E-05	-0.0806	216	0.830
ENSP00000297591	6.21E-06	-0.0806	0	0.336
ENSP00000364561	8.23E-02	-0.0806	0	0.210
ENSP00000297988	1.06E-05	-0.0806	196	0.301
ENSP00000261514	6.20E-06	-0.0806	0	0.210
ENSP00000356898	2.46E-04	-0.0806	574	0.654
ENSP00000215941	1.22E-05	-0.0806	218	0.714
ENSP00000244745	7.44E-05	-0.0806	294	0.872
ENSP00000306080	5.27E-06	-0.0806	0	0.536
ENSP00000433712	1.62E-05	-0.0806	280	0.187
ENSP00000330836	7.06E-06	-0.0806	222	0.273
ENSP00000252115	1.81E-05	-0.0806	399	0.876
ENSP00000023064	6.50E-06	-0.0806	0	0.074
ENSP00000338673	5.43E-06	-0.0806	0	0.485
ENSP00000270279	9.88E-06	-0.0806	0	0.570
ENSP00000337510	1.38E-05	-0.0807	0	0.095
ENSP00000252809	6.02E-05	-0.0807	312	0.910
ENSP00000343040	5.16E-05	-0.0807	889	0.798
ENSP00000331640	6.58E-05	-0.0807	0	0.159
ENSP00000337358	4.61E-06	-0.0807	0	0.065
ENSP00000306983	1.97E-05	-0.0807	206	0.924

ENSP00000442304	6.30E-06	-0.0807	0	0.152
ENSP00000254667	5.25E-06	-0.0807	0	0.614
ENSP00000263672	6.21E-06	-0.0807	0	0.396
ENSP00000367300	3.08E-06	-0.0807	0	0.697
ENSP00000320604	5.85E-06	-0.0807	0	0.182
ENSP00000309501	5.54E-06	-0.0808	0	0.000
ENSP00000306579	1.99E-05	-0.0808	292	0.526
ENSP00000231706	5.46E-06	-0.0808	0	0.079
ENSP00000299824	1.61E-05	-0.0808	280	0.743
ENSP00000309690	2.43E-05	-0.0808	242	0.177
ENSP00000263317	1.02E-04	-0.0808	516	0.878
ENSP00000281928	8.54E-06	-0.0808	0	0.692
ENSP00000345797	3.34E-06	-0.0808	0	0.695
ENSP00000257347	9.44E-06	-0.0808	362	0.716
ENSP00000007969	1.44E-05	-0.0808	412	0.480
ENSP00000303754	1.18E-05	-0.0808	571	0.665
ENSP00000361824	3.84E-05	-0.0808	984	0.696
ENSP00000223136	5.75E-06	-0.0809	0	0.303
ENSP00000315212	8.67E-06	-0.0809	0	0.735
ENSP00000218089	4.29E-06	-0.0809	0	0.633
ENSP00000315700	2.34E-05	-0.0809	150	0.823
ENSP00000386110	2.59E-08	-0.0809	0	0.000
ENSP00000404583	2.59E-08	-0.0809	0	0.000
ENSP00000309429	3.95E-05	-0.0809	0	0.095
ENSP00000313995	4.36E-06	-0.0809	0	0.302
ENSP00000324422	7.71E-05	-0.0809	670	0.822
ENSP00000318154	5.25E-05	-0.0809	0	0.169
ENSP00000253778	1.03E-05	-0.0809	317	0.550
ENSP00000268933	4.41E-06	-0.0809	0	0.105
ENSP00000228799	8.20E-06	-0.0809	0	0.148
ENSP00000248450	4.96E-06	-0.0809	0	0.663
ENSP00000305790	1.91E-05	-0.0809	401	0.897
ENSP00000326869	6.44E-06	-0.0810	0	0.168
ENSP00000295095	9.99E-06	-0.0810	0	0.264
ENSP00000358456	5.11E-06	-0.0810	0	0.000
ENSP00000262866	1.53E-05	-0.0810	0	0.238
ENSP00000243045	1.59E-05	-0.0810	0	0.204
ENSP00000376792	6.16E-06	-0.0810	0	0.207
ENSP00000221232	4.23E-06	-0.0810	0	0.545
ENSP00000300896	2.58E-05	-0.0810	183	0.060
ENSP00000359603	2.27E-05	-0.0810	527	0.649
ENSP00000328690	1.48E-05	-0.0810	396	0.911
ENSP00000459962	2.81E-05	-0.0810	814	0.000
ENSP00000320130	6.35E-06	-0.0810	0	0.116
ENSP00000334188	2.02E-05	-0.0810	277	0.626
ENSP00000340610	7.78E-06	-0.0811	202	0.657



ENSP00000343023	2.36E-05	-0.0811	900	0.698
ENSP00000200135	4.30E-06	-0.0811	0	0.313
ENSP00000265872	7.07E-06	-0.0811	0	0.672
ENSP00000303476	7.39E-06	-0.0811	0	0.434
ENSP00000301280	5.35E-06	-0.0811	0	0.872
ENSP00000233154	9.86E-06	-0.0811	0	0.720
ENSP00000230771	9.06E-06	-0.0811	348	0.749
ENSP00000083182	1.23E-05	-0.0811	316	0.525
ENSP00000305721	1.05E-05	-0.0811	0	0.382
ENSP00000273062	7.63E-06	-0.0811	0	0.440
ENSP00000364822	1.20E-07	-0.0811	0	0.000
ENSP00000341911	4.28E-05	-0.0812	0	0.093
ENSP00000278855	5.85E-06	-0.0812	0	0.000
ENSP00000311665	2.69E-05	-0.0812	302	0.298
ENSP00000319464	1.79E-05	-0.0812	237	0.670
ENSP00000469019	7.93E-07	-0.0812	0	0.622
ENSP00000302961	3.75E-05	-0.0812	825	0.953
ENSP00000215565	4.26E-06	-0.0812	0	0.235
ENSP00000382241	4.49E-06	-0.0812	0	0.148
ENSP00000298705	8.78E-06	-0.0812	0	0.177
ENSP00000240343	4.98E-06	-0.0812	0	0.000
ENSP00000392410	4.87E-06	-0.0812	0	0.699
ENSP00000255175	3.60E-05	-0.0812	407	0.366
ENSP00000409612	3.62E-05	-0.0813	224	0.485
ENSP00000362230	1.12E-05	-0.0813	0	0.000
ENSP00000078527	5.89E-06	-0.0813	0	0.104
ENSP00000314004	5.44E-06	-0.0813	0	0.455
ENSP00000252102	5.41E-06	-0.0813	0	0.179
ENSP00000316338	3.34E-05	-0.0813	248	0.556
ENSP00000260526	5.75E-06	-0.0813	0	0.458
ENSP00000264246	3.27E-05	-0.0813	325	0.914
ENSP00000251170	6.43E-06	-0.0813	0	0.454
ENSP00000375660	3.19E-06	-0.0813	0	0.695
ENSP00000407521	7.59E-07	-0.0813	0	0.218
ENSP00000297313	9.46E-06	-0.0813	188	0.564
ENSP00000305193	6.48E-05	-0.0813	0	0.072
ENSP00000422188	4.58E-06	-0.0813	0	0.236
ENSP00000170447	1.20E-05	-0.0813	0	0.330
ENSP00000315950	1.07E-05	-0.0814	0	0.386
ENSP00000355517	5.58E-06	-0.0814	0	0.140
ENSP00000262013	8.26E-06	-0.0814	213	0.393
ENSP00000381891	8.05E-05	-0.0814	450	0.595
ENSP00000392095	8.28E-06	-0.0814	162	0.687
ENSP00000281589	2.05E-05	-0.0814	516	0.932
ENSP00000335538	8.91E-06	-0.0815	0	0.197
ENSP00000437910	2.73E-06	-0.0815	0	0.299

ENSP00000334100	5.64E-06	-0.0815	0	0.312
ENSP00000379496	1.78E-05	-0.0815	0	0.261
ENSP00000333836	2.00E-05	-0.0815	272	0.366
ENSP00000317578	9.46E-06	-0.0815	273	0.000
ENSP00000246841	5.09E-06	-0.0815	0	0.448
ENSP00000420854	2.03E-07	-0.0815	0	0.202
ENSP00000353058	3.39E-06	-0.0815	0	0.693
ENSP00000222673	9.50E-06	-0.0815	235	0.542
ENSP00000442795	1.34E-05	-0.0816	900	0.273
ENSP00000359804	6.52E-05	-0.0816	205	0.666
ENSP00000216862	1.78E-05	-0.0816	150	0.560
ENSP00000268053	3.22E-05	-0.0816	227	0.659
ENSP00000345175	5.09E-06	-0.0816	0	0.653
ENSP00000325017	5.02E-06	-0.0816	0	0.502
ENSP00000349873	1.05E-05	-0.0816	0	0.000
ENSP00000341680	8.60E-06	-0.0816	202	0.318
ENSP00000295713	4.73E-06	-0.0816	0	0.000
ENSP00000332887	9.02E-06	-0.0816	202	0.207
ENSP00000261881	4.12E-06	-0.0816	0	0.666
ENSP00000304364	1.70E-05	-0.0816	209	0.168
ENSP00000323889	1.07E-05	-0.0816	163	0.545
ENSP00000369816	3.16E-05	-0.0817	502	0.772
ENSP00000322159	3.25E-05	-0.0817	502	0.319
ENSP00000347717	3.00E-05	-0.0817	358	0.466
ENSP00000344758	2.32E-05	-0.0817	480	0.664
ENSP00000352920	5.97E-06	-0.0817	0	0.495
ENSP00000358454	8.72E-06	-0.0817	0	0.000
ENSP00000322885	1.09E-05	-0.0817	0	0.416
ENSP00000320658	1.20E-05	-0.0817	315	0.597
ENSP00000291634	5.20E-05	-0.0817	0	0.349
ENSP00000295888	2.19E-05	-0.0817	293	0.281
ENSP00000346450	8.07E-06	-0.0817	0	0.000
ENSP00000359707	2.86E-06	-0.0817	0	0.184
ENSP00000221307	1.87E-05	-0.0817	250	0.331
ENSP00000333934	4.03E-06	-0.0818	0	0.778
ENSP00000377225	5.62E-06	-0.0818	0	0.526
ENSP00000419370	1.86E-05	-0.0818	211	0.445
ENSP00000369625	2.31E-05	-0.0818	231	0.376
ENSP00000329757	5.99E-06	-0.0818	0	0.365
ENSP00000251775	5.62E-06	-0.0818	0	0.143
ENSP00000298307	5.53E-06	-0.0818	0	0.300
ENSP00000343515	1.74E-05	-0.0818	168	0.876
ENSP00000334040	3.99E-05	-0.0818	0	0.077
ENSP00000194130	4.87E-06	-0.0818	0	0.064
ENSP00000396052	9.42E-06	-0.0818	263	0.761
ENSP00000330054	5.16E-05	-0.0819	422	0.802

ENSP00000286301	3.31E-05	-0.0819	877	0.674
ENSP00000252785	7.64E-06	-0.0819	0	0.556
ENSP00000306614	1.04E-05	-0.0819	524	0.791
ENSP00000306881	1.20E-05	-0.0819	307	0.296
ENSP00000259632	7.55E-06	-0.0819	0	0.165
ENSP00000309474	1.57E-05	-0.0819	635	0.546
ENSP00000310590	8.53E-06	-0.0820	0	0.615
ENSP00000339844	3.72E-06	-0.0820	0	0.746
ENSP00000267973	5.09E-06	-0.0820	0	0.666
ENSP00000356348	7.21E-06	-0.0820	194	0.507
ENSP00000209875	5.80E-06	-0.0820	0	0.834
ENSP00000283928	4.75E-06	-0.0820	0	0.616
ENSP00000261438	1.65E-05	-0.0820	179	0.762
ENSP00000338397	7.21E-06	-0.0820	195	0.000
ENSP00000382856	5.11E-06	-0.0821	0	0.106
ENSP00000389103	1.74E-05	-0.0821	295	0.870
ENSP00000257245	3.71E-06	-0.0821	0	0.654
ENSP00000266744	3.64E-05	-0.0821	282	0.863
ENSP00000313079	6.94E-06	-0.0821	0	0.093
ENSP00000310621	5.26E-06	-0.0821	0	0.284
ENSP00000368648	5.69E-06	-0.0821	0	0.045
ENSP00000227524	1.36E-05	-0.0821	546	0.907
ENSP00000312455	5.22E-05	-0.0821	432	0.911
ENSP00000308310	8.77E-06	-0.0821	0	0.372
ENSP00000289865	1.68E-05	-0.0821	223	0.454
ENSP00000331471	3.08E-05	-0.0821	237	0.000
ENSP00000247087	7.20E-05	-0.0822	0	0.101
ENSP00000435010	3.02E-07	-0.0822	0	0.148
ENSP00000471817	9.92E-07	-0.0822	0	0.000
ENSP00000345083	4.11E-05	-0.0822	304	0.899
ENSP00000351040	8.23E-02	-0.0822	0	0.210
ENSP00000322295	8.57E-06	-0.0822	0	0.000
ENSP00000361021	6.72E-05	-0.0822	873	0.938
ENSP00000327675	5.08E-06	-0.0822	0	0.211
ENSP00000318352	3.27E-05	-0.0823	0	0.208
ENSP00000219368	1.50E-05	-0.0823	183	0.239
ENSP00000342502	5.62E-06	-0.0823	0	0.367
ENSP00000273859	7.36E-06	-0.0823	0	0.099
ENSP00000265838	1.09E-05	-0.0823	298	0.437
ENSP00000294964	1.89E-05	-0.0823	205	0.676
ENSP00000242257	1.00E-05	-0.0824	274	0.827
ENSP00000244360	1.03E-05	-0.0824	0	0.252
ENSP00000259021	1.17E-05	-0.0824	320	0.000
ENSP00000371729	6.29E-06	-0.0824	0	0.102
ENSP00000236192	2.15E-05	-0.0824	346	0.247
ENSP00000385467	1.26E-07	-0.0824	0	0.215

ENSP00000250244	5.23E-06	-0.0824	0	0.179
ENSP00000353104	5.08E-05	-0.0824	291	0.585
ENSP00000376010	5.01E-06	-0.0824	0	0.709
ENSP00000343674	2.10E-05	-0.0824	652	0.081
ENSP00000229379	3.98E-06	-0.0824	0	0.383
ENSP00000303279	1.15E-05	-0.0824	317	0.000
ENSP00000351939	3.27E-06	-0.0825	0	0.692
ENSP00000297282	5.72E-06	-0.0825	0	0.062
ENSP00000280904	1.68E-04	-0.0825	225	0.304
ENSP00000367001	1.42E-05	-0.0825	364	0.134
ENSP00000388421	3.98E-06	-0.0825	0	0.000
ENSP00000263207	5.60E-06	-0.0825	0	0.603
ENSP00000342071	7.00E-06	-0.0825	177	0.000
ENSP00000391101	2.52E-07	-0.0825	0	0.121
ENSP00000290943	8.54E-06	-0.0825	202	0.642
ENSP00000384515	7.56E-06	-0.0825	0	0.333
ENSP00000471094	8.32E-07	-0.0825	0	0.000
ENSP00000309262	7.27E-06	-0.0826	0	0.248
ENSP00000311977	5.84E-06	-0.0826	0	0.734
ENSP00000329189	6.16E-06	-0.0826	0	0.499
ENSP00000367263	9.93E-06	-0.0826	163	0.500
ENSP00000371307	6.19E-06	-0.0826	0	0.000
ENSP00000342667	2.94E-05	-0.0826	271	0.399
ENSP00000356405	2.47E-05	-0.0826	283	0.816
ENSP00000235090	5.09E-06	-0.0826	0	0.637
ENSP00000365397	6.40E-05	-0.0826	314	0.000
ENSP00000264156	8.59E-06	-0.0827	176	0.782
ENSP00000361784	2.76E-06	-0.0827	0	0.689
ENSP00000343765	9.09E-06	-0.0827	0	0.306
ENSP00000312675	9.11E-06	-0.0827	0	0.345
ENSP00000335651	7.92E-06	-0.0827	0	0.260
ENSP00000293275	1.95E-05	-0.0827	216	0.000
ENSP00000365147	1.05E-04	-0.0827	198	0.215
ENSP00000223366	9.78E-06	-0.0827	349	0.675
ENSP00000328182	8.37E-06	-0.0827	0	0.093
ENSP00000210060	1.28E-05	-0.0827	240	0.377
ENSP00000262462	1.22E-04	-0.0827	287	0.558
ENSP00000368140	7.68E-06	-0.0827	197	0.330
ENSP00000375820	3.32E-06	-0.0828	0	0.694
ENSP00000326888	2.45E-05	-0.0828	0	0.180
ENSP00000260952	5.21E-06	-0.0828	0	0.354
ENSP00000173898	5.80E-05	-0.0828	361	0.735
ENSP00000427463	8.11E-06	-0.0828	189	0.491
ENSP00000240327	5.32E-06	-0.0828	0	0.686
ENSP00000332123	1.88E-05	-0.0828	164	0.000
ENSP00000288139	1.13E-05	-0.0828	217	0.529

ENSP00000368332	1.64E-05	-0.0829	200	0.791
ENSP00000318775	5.35E-06	-0.0829	0	0.382
ENSP00000342828	2.10E-05	-0.0829	227	0.815
ENSP00000331065	7.96E-06	-0.0829	201	0.704
ENSP00000253023	8.04E-06	-0.0829	0	0.357
ENSP00000262861	1.59E-05	-0.0830	0	0.103
ENSP00000271452	5.17E-06	-0.0830	0	0.439
ENSP00000302867	2.57E-06	-0.0830	0	0.000
ENSP00000321971	5.10E-06	-0.0830	0	0.214
ENSP00000267884	5.97E-06	-0.0830	0	0.599
ENSP00000305647	2.33E-05	-0.0830	346	0.238
ENSP00000353344	4.40E-05	-0.0830	418	0.890
ENSP00000320309	1.06E-05	-0.0830	340	0.664
ENSP00000325677	2.36E-05	-0.0830	302	0.905
ENSP00000305785	8.89E-06	-0.0830	0	0.633
ENSP00000372286	6.72E-07	-0.0830	0	0.192
ENSP00000272322	7.33E-06	-0.0830	0	0.144
ENSP00000312709	7.97E-06	-0.0830	0	0.810
ENSP00000281043	5.26E-05	-0.0830	281	0.905
ENSP00000278412	1.77E-05	-0.0831	414	0.925
ENSP00000221419	9.60E-05	-0.0831	629	0.727
ENSP00000345151	6.13E-06	-0.0831	0	0.306
ENSP00000323280	2.76E-05	-0.0831	208	0.645
ENSP00000339109	7.59E-06	-0.0831	0	0.498
ENSP00000366513	3.78E-05	-0.0831	151	0.221
ENSP00000268717	7.68E-06	-0.0831	0	0.416
ENSP00000339917	2.70E-05	-0.0831	165	0.776
ENSP00000329967	1.00E-05	-0.0831	296	0.742
ENSP00000288828	5.19E-06	-0.0831	0	0.148
ENSP00000296859	2.53E-05	-0.0831	0	0.376
ENSP00000260508	4.22E-06	-0.0832	0	0.180
ENSP00000382511	3.12E-06	-0.0832	0	0.686
ENSP00000373539	1.57E-05	-0.0832	161	0.364
ENSP00000340823	5.80E-06	-0.0832	0	0.773
ENSP00000336752	6.93E-06	-0.0832	0	0.507
ENSP00000451229	1.29E-07	-0.0832	0	0.214
ENSP00000399441	4.62E-06	-0.0832	0	0.666
ENSP00000406485	2.53E-05	-0.0832	338	0.000
ENSP00000297044	5.55E-06	-0.0833	0	0.196
ENSP00000359310	5.01E-04	-0.0833	0	0.201
ENSP00000330812	8.49E-06	-0.0833	198	0.000
ENSP00000276692	1.79E-05	-0.0833	201	0.336
ENSP00000349393	2.80E-05	-0.0833	262	0.768
ENSP00000275016	1.00E-05	-0.0833	0	0.257
ENSP00000264431	2.34E-05	-0.0833	333	0.548
ENSP00000359802	3.11E-06	-0.0834	0	0.698

ENSP00000352248	7.86E-06	-0.0834	0	0.089
ENSP00000262375	1.18E-05	-0.0834	920	0.496
ENSP00000344411	1.20E-05	-0.0834	426	0.428
ENSP00000296424	8.04E-06	-0.0834	0	0.228
ENSP00000229824	3.98E-06	-0.0834	0	0.246
ENSP00000226105	2.15E-05	-0.0834	0	0.088
ENSP00000297990	4.85E-06	-0.0834	0	0.869
ENSP00000300954	2.15E-05	-0.0834	467	0.633
ENSP00000398619	1.40E-07	-0.0834	0	0.200
ENSP00000319979	1.70E-05	-0.0834	224	0.397
ENSP00000219302	1.21E-05	-0.0834	315	0.636
ENSP00000284951	1.21E-05	-0.0835	299	0.509
ENSP00000364133	6.61E-05	-0.0835	909	0.947
ENSP00000359634	5.11E-06	-0.0835	0	0.196
ENSP00000372361	4.31E-06	-0.0835	0	0.105
ENSP00000388684	6.25E-06	-0.0835	0	0.117
ENSP00000334474	5.66E-06	-0.0835	0	0.774
ENSP00000260985	4.00E-05	-0.0835	330	0.727
ENSP00000347755	6.99E-06	-0.0835	0	0.686
ENSP00000391490	2.44E-05	-0.0835	396	0.071
ENSP00000318966	6.31E-06	-0.0835	0	0.783
ENSP00000332284	8.25E-06	-0.0835	0	0.263
ENSP00000297689	1.13E-05	-0.0835	0	0.821
ENSP00000360730	7.77E-05	-0.0835	214	0.652
ENSP00000291547	6.03E-06	-0.0835	0	0.785
ENSP00000358518	8.77E-06	-0.0835	0	0.111
ENSP00000218032	1.43E-05	-0.0835	195	0.810
ENSP00000316924	1.19E-05	-0.0836	183	0.425
ENSP00000264867	5.59E-05	-0.0836	224	0.861
ENSP00000261396	4.65E-06	-0.0836	0	0.514
ENSP00000317636	5.03E-06	-0.0836	0	0.735
ENSP00000299218	9.03E-06	-0.0836	0	0.000
ENSP00000237889	7.73E-06	-0.0836	0	0.203
ENSP00000296326	1.80E-05	-0.0836	0	0.104
ENSP00000282516	6.63E-06	-0.0837	0	0.763
ENSP00000273482	4.40E-05	-0.0837	265	0.605
ENSP00000262966	5.39E-06	-0.0837	0	0.417
ENSP00000299166	5.89E-06	-0.0837	0	0.000
ENSP00000396936	1.04E-06	-0.0837	0	0.000
ENSP00000304670	1.27E-05	-0.0837	255	0.180
ENSP00000261439	6.42E-06	-0.0837	0	0.210
ENSP00000379157	7.61E-05	-0.0838	300	0.712
ENSP00000303015	9.31E-06	-0.0838	0	0.738
ENSP00000274773	8.00E-06	-0.0838	0	0.257
ENSP00000262320	3.75E-05	-0.0838	607	0.949
ENSP00000262306	5.50E-06	-0.0838	0	0.578

ENSP00000296328	1.56E-05	-0.0838	161	0.798
ENSP00000330101	1.80E-05	-0.0838	165	0.000
ENSP00000218006	1.05E-05	-0.0838	509	0.663
ENSP00000370372	2.14E-05	-0.0838	725	0.384
ENSP00000308772	1.37E-05	-0.0838	816	0.674
ENSP00000327268	4.44E-06	-0.0838	0	0.334
ENSP00000373274	3.22E-06	-0.0839	0	0.695
ENSP00000347858	4.14E-05	-0.0839	480	0.886
ENSP00000317580	3.80E-05	-0.0839	635	0.860
ENSP00000364677	3.22E-06	-0.0839	0	0.676
ENSP00000340089	2.11E-05	-0.0839	252	0.000
ENSP00000452780	4.66E-05	-0.0839	923	0.910
ENSP00000284509	1.33E-05	-0.0839	151	0.388
ENSP00000209728	1.05E-05	-0.0839	326	0.873
ENSP00000259400	1.87E-05	-0.0839	151	0.259
ENSP00000331944	2.03E-05	-0.0839	356	0.728
ENSP00000217515	7.93E-06	-0.0840	0	0.369
ENSP00000249299	4.79E-06	-0.0840	0	0.085
ENSP00000352442	1.97E-05	-0.0840	857	0.000
ENSP00000298282	5.80E-06	-0.0840	0	0.702
ENSP00000332288	1.06E-05	-0.0840	0	0.377
ENSP00000372088	6.76E-05	-0.0840	586	0.000
ENSP00000267273	1.97E-05	-0.0840	384	0.579
ENSP00000383630	7.61E-06	-0.0841	0	0.257
ENSP00000313408	2.38E-05	-0.0841	0	0.183
ENSP00000283441	1.76E-05	-0.0841	0	0.081
ENSP00000237449	4.11E-06	-0.0841	0	0.115
ENSP00000366894	1.60E-05	-0.0841	150	0.727
ENSP00000293328	4.37E-05	-0.0841	361	0.937
ENSP00000394380	4.92E-06	-0.0841	0	0.000
ENSP00000251119	8.46E-06	-0.0842	0	0.106
ENSP00000269439	7.81E-06	-0.0842	0	0.478
ENSP00000386450	8.78E-07	-0.0842	0	0.167
ENSP00000407182	3.71E-05	-0.0842	271	0.614
ENSP00000354612	3.68E-05	-0.0842	255	0.828
ENSP00000359055	1.01E-05	-0.0842	0	0.000
ENSP00000344479	4.76E-05	-0.0842	815	0.866
ENSP00000326630	1.84E-05	-0.0842	254	0.795
ENSP00000164133	3.92E-06	-0.0842	0	0.529
ENSP00000290949	6.06E-06	-0.0842	0	0.098
ENSP00000358921	3.63E-05	-0.0843	463	0.694
ENSP00000281623	1.52E-04	-0.0843	222	0.282
ENSP00000343690	5.90E-06	-0.0843	0	0.372
ENSP00000307666	7.72E-06	-0.0843	0	0.000
ENSP00000293778	4.21E-05	-0.0843	581	0.621
ENSP00000327213	4.34E-05	-0.0843	254	0.795

ENSP00000311273	4.03E-06	-0.0843	0	0.110
ENSP00000354964	4.26E-05	-0.0843	0	0.171
ENSP00000235180	7.15E-06	-0.0843	0	0.228
ENSP00000257829	8.76E-06	-0.0843	169	0.879
ENSP00000314946	1.37E-04	-0.0843	179	0.281
ENSP00000314508	2.29E-05	-0.0843	196	0.696
ENSP00000262965	3.79E-05	-0.0844	235	0.863
ENSP00000229268	6.02E-06	-0.0844	0	0.315
ENSP00000442373	3.99E-06	-0.0844	0	0.096
ENSP00000340523	1.77E-05	-0.0844	252	0.341
ENSP00000358022	4.00E-05	-0.0844	442	0.940
ENSP00000244230	4.13E-06	-0.0844	0	0.874
ENSP00000285199	1.79E-05	-0.0844	229	0.275
ENSP00000386773	2.89E-06	-0.0844	0	0.000
ENSP00000387081	2.89E-06	-0.0844	0	0.000
ENSP00000326219	6.13E-06	-0.0844	0	0.266
ENSP00000368924	6.00E-05	-0.0845	242	0.000
ENSP00000307525	1.64E-05	-0.0845	188	0.916
ENSP00000318914	9.79E-06	-0.0845	0	0.277
ENSP00000328835	2.42E-05	-0.0845	171	0.833
ENSP00000378118	1.57E-05	-0.0845	263	0.672
ENSP00000292853	9.50E-05	-0.0845	150	0.146
ENSP00000320563	7.23E-06	-0.0845	0	0.075
ENSP00000263270	5.71E-06	-0.0845	0	0.226
ENSP00000354504	2.72E-05	-0.0845	158	0.056
ENSP00000262395	6.85E-06	-0.0845	0	0.796
ENSP00000287482	7.89E-06	-0.0845	0	0.153
ENSP00000284551	7.32E-06	-0.0846	0	0.314
ENSP00000333181	8.99E-06	-0.0846	205	0.205
ENSP00000258538	1.86E-05	-0.0846	0	0.116
ENSP00000333982	7.26E-06	-0.0846	0	0.344
ENSP00000267425	6.15E-06	-0.0846	0	0.848
ENSP00000361927	7.71E-05	-0.0846	231	0.673
ENSP00000349882	2.68E-06	-0.0846	0	0.691
ENSP00000330485	1.67E-05	-0.0846	0	0.055
ENSP00000265605	8.71E-06	-0.0846	216	0.289
ENSP00000368152	2.25E-05	-0.0846	201	0.089
ENSP00000227451	1.05E-05	-0.0846	0	0.257
ENSP00000331369	6.89E-06	-0.0846	0	0.134
ENSP00000366679	1.48E-05	-0.0847	0	0.994
ENSP00000331288	4.89E-06	-0.0847	0	0.520
ENSP00000318057	2.26E-05	-0.0847	197	0.870
ENSP00000320893	9.32E-06	-0.0847	202	0.663
ENSP00000261835	1.00E-05	-0.0847	0	0.227
ENSP00000300190	9.27E-06	-0.0848	0	0.177
ENSP00000369293	3.25E-05	-0.0848	292	0.878



ENSP00000383382	1.06E-05	-0.0848	966	0.760
ENSP00000417246	6.75E-07	-0.0848	0	0.178
ENSP00000265081	1.39E-05	-0.0848	317	0.696
ENSP00000323853	2.63E-06	-0.0848	0	0.000
ENSP00000456039	1.66E-07	-0.0848	0	0.077
ENSP00000299259	5.96E-06	-0.0848	0	0.703
ENSP00000380252	5.90E-05	-0.0848	850	0.771
ENSP00000265339	1.38E-05	-0.0848	223	0.872
ENSP00000173229	3.03E-05	-0.0848	247	0.901
ENSP00000218548	2.52E-05	-0.0848	634	0.713
ENSP00000268379	1.11E-05	-0.0849	224	0.569
ENSP00000382815	4.76E-06	-0.0849	0	0.161
ENSP00000354947	4.58E-05	-0.0849	374	0.385
ENSP00000334002	3.13E-05	-0.0849	198	0.638
ENSP00000300648	1.17E-05	-0.0849	237	0.000
ENSP00000325240	1.99E-05	-0.0849	169	0.437
ENSP00000302176	1.38E-05	-0.0849	227	0.601
ENSP00000338572	3.72E-06	-0.0849	0	0.699
ENSP00000326366	4.95E-05	-0.0850	826	0.928
ENSP00000370966	2.56E-05	-0.0850	605	0.254
ENSP00000248041	9.24E-06	-0.0850	0	0.208
ENSP00000296522	3.82E-05	-0.0850	835	0.369
ENSP00000293670	1.91E-05	-0.0851	0	0.124
ENSP00000420093	3.42E-06	-0.0851	0	0.000
ENSP00000335144	1.40E-05	-0.0851	0	0.088
ENSP00000285093	1.11E-05	-0.0851	306	0.426
ENSP00000043402	1.30E-05	-0.0851	197	0.832
ENSP00000269214	5.63E-06	-0.0851	0	0.697
ENSP00000382791	3.05E-05	-0.0851	270	0.417
ENSP00000351524	4.41E-05	-0.0851	191	0.767
ENSP00000354361	1.97E-05	-0.0851	0	0.384
ENSP00000257818	4.35E-05	-0.0851	495	0.832
ENSP00000350639	5.92E-05	-0.0851	165	0.720
ENSP00000334800	3.57E-06	-0.0851	0	0.680
ENSP00000274008	1.19E-05	-0.0852	410	0.563
ENSP00000283645	6.64E-06	-0.0852	0	0.000
ENSP00000264649	4.43E-06	-0.0852	0	0.112
ENSP00000386458	3.77E-05	-0.0852	415	0.857
ENSP00000300091	1.12E-04	-0.0852	472	0.153
ENSP00000397843	2.16E-05	-0.0852	0	0.083
ENSP00000373853	4.39E-06	-0.0852	0	0.687
ENSP00000257934	9.55E-06	-0.0852	192	0.457
ENSP00000351407	4.78E-05	-0.0853	290	0.843
ENSP00000320347	1.42E-05	-0.0853	515	0.708
ENSP00000356737	1.70E-04	-0.0853	187	0.091
ENSP00000310557	6.03E-06	-0.0853	0	0.152

ENSP00000410769	1.97E-05	-0.0853	301	0.931
ENSP00000355459	2.81E-06	-0.0853	0	0.696
ENSP00000294189	4.92E-06	-0.0853	0	0.777
ENSP00000335304	1.30E-05	-0.0853	353	0.562
ENSP00000288235	1.70E-05	-0.0853	244	0.476
ENSP00000196551	6.72E-06	-0.0853	391	0.827
ENSP00000357047	5.45E-05	-0.0854	307	0.770
ENSP00000248566	6.75E-06	-0.0854	0	0.619
ENSP00000340009	4.65E-06	-0.0854	0	0.386
ENSP00000374357	1.00E-04	-0.0854	256	0.813
ENSP00000311280	1.33E-05	-0.0854	0	0.825
ENSP00000331912	4.51E-06	-0.0854	0	0.119
ENSP00000354305	5.33E-06	-0.0854	0	0.673
ENSP00000367832	4.57E-05	-0.0854	414	0.822
ENSP00000305071	1.13E-05	-0.0854	211	0.703
ENSP00000301072	3.74E-05	-0.0854	343	0.656
ENSP00000433998	8.10E-06	-0.0855	0	0.129
ENSP00000381339	3.95E-05	-0.0855	952	0.612
ENSP00000336552	6.15E-06	-0.0855	0	0.115
ENSP00000318480	2.18E-05	-0.0855	459	0.758
ENSP00000323184	2.94E-05	-0.0855	0	0.094
ENSP00000282111	1.40E-05	-0.0855	197	0.851
ENSP00000341885	1.62E-05	-0.0855	479	0.829
ENSP00000244571	1.12E-05	-0.0855	192	0.667
ENSP00000370839	1.81E-05	-0.0855	250	0.157
ENSP00000299424	4.08E-05	-0.0855	250	0.882
ENSP00000219252	8.49E-06	-0.0856	379	0.817
ENSP00000044462	9.86E-06	-0.0856	164	0.594
ENSP00000313059	6.29E-06	-0.0856	0	0.273
ENSP00000344674	7.04E-06	-0.0856	0	0.264
ENSP00000329697	5.79E-06	-0.0856	0	0.000
ENSP00000342886	1.50E-05	-0.0856	852	0.954
ENSP00000308258	9.75E-06	-0.0856	0	0.127
ENSP00000162749	3.37E-05	-0.0856	521	0.933
ENSP00000275699	1.39E-05	-0.0856	307	0.583
ENSP00000363308	2.44E-05	-0.0856	391	0.748
ENSP00000261517	6.15E-06	-0.0856	0	0.146
ENSP00000215375	3.81E-06	-0.0856	0	0.477
ENSP00000268042	7.89E-06	-0.0856	0	0.115
ENSP00000273353	1.86E-05	-0.0857	244	0.371
ENSP00000309457	4.85E-06	-0.0857	0	0.117
ENSP00000308895	1.45E-05	-0.0857	0	0.076
ENSP00000373454	2.22E-05	-0.0857	309	0.000
ENSP00000275605	1.32E-05	-0.0857	158	0.311
ENSP00000314499	2.59E-05	-0.0858	563	0.698
ENSP00000302100	3.53E-05	-0.0858	361	0.851

ENSP00000222286	1.13E-05	-0.0858	550	0.586
ENSP00000397178	3.61E-06	-0.0858	0	0.697
ENSP00000336655	2.64E-05	-0.0858	333	0.675
ENSP00000362186	2.88E-05	-0.0858	286	0.115
ENSP00000340299	1.52E-05	-0.0858	0	0.069
ENSP00000238855	1.68E-05	-0.0858	0	0.119
ENSP00000309714	1.62E-05	-0.0858	720	0.304
ENSP00000329419	6.34E-06	-0.0858	240	0.211
ENSP00000264607	9.93E-06	-0.0858	202	0.625
ENSP00000229794	1.60E-05	-0.0858	822	0.000
ENSP00000343103	5.51E-06	-0.0859	0	0.618
ENSP00000366729	1.91E-05	-0.0859	188	0.796
ENSP00000274306	3.45E-05	-0.0859	205	0.729
ENSP00000304586	7.81E-06	-0.0859	202	0.615
ENSP00000391536	8.32E-06	-0.0859	0	0.000
ENSP00000248071	4.43E-05	-0.0859	886	0.874
ENSP00000333799	9.27E-06	-0.0859	0	0.000
ENSP00000253452	1.31E-05	-0.0860	282	0.586
ENSP00000351530	3.23E-06	-0.0860	0	0.685
ENSP00000308452	1.27E-05	-0.0860	0	0.634
ENSP00000238616	1.07E-05	-0.0860	457	0.189
ENSP00000348550	2.97E-05	-0.0861	405	0.314
ENSP00000358807	7.63E-06	-0.0861	0	0.785
ENSP00000347043	3.15E-06	-0.0861	0	0.694
ENSP00000264463	5.89E-06	-0.0861	0	0.167
ENSP00000309548	5.61E-06	-0.0861	0	0.584
ENSP00000295373	1.11E-05	-0.0861	150	0.000
ENSP00000287169	1.40E-05	-0.0861	0	0.085
ENSP00000233202	4.86E-05	-0.0861	238	0.575
ENSP00000281828	4.21E-06	-0.0861	0	0.714
ENSP00000366283	6.28E-06	-0.0861	0	0.140
ENSP00000308032	9.07E-06	-0.0861	0	0.151
ENSP00000297431	4.08E-06	-0.0861	0	0.784
ENSP00000402257	4.46E-05	-0.0861	386	0.853
ENSP00000373772	2.18E-05	-0.0861	302	0.917
ENSP00000402914	1.96E-06	-0.0861	0	0.000
ENSP00000252543	4.33E-06	-0.0862	0	0.832
ENSP00000318697	1.61E-05	-0.0862	545	0.623
ENSP00000420194	3.93E-05	-0.0862	516	0.821
ENSP00000368189	4.56E-06	-0.0862	0	0.845
ENSP00000403397	4.39E-02	-0.0862	338	0.688
ENSP00000260010	3.06E-05	-0.0862	909	0.948
ENSP00000357750	7.51E-05	-0.0863	394	0.662
ENSP00000269703	7.47E-06	-0.0863	0	0.252
ENSP00000294638	5.65E-06	-0.0863	0	0.831
ENSP00000384670	1.53E-05	-0.0863	0	0.196

ENSP00000316772	5.34E-06	-0.0863	0	0.362
ENSP00000308782	1.49E-06	-0.0863	0	0.288
ENSP00000237455	6.54E-06	-0.0864	0	0.390
ENSP00000375656	3.21E-06	-0.0864	0	0.000
ENSP00000262033	1.36E-05	-0.0864	346	0.628
ENSP00000246802	4.98E-06	-0.0864	0	0.828
ENSP00000228347	9.59E-06	-0.0864	381	0.805
ENSP00000305648	3.91E-06	-0.0864	0	0.253
ENSP00000413418	4.55E-05	-0.0864	239	0.266
ENSP00000384716	1.01E-05	-0.0864	211	0.176
ENSP00000253577	7.47E-06	-0.0864	0	0.113
ENSP00000262607	4.37E-06	-0.0864	0	0.610
ENSP00000304713	6.95E-06	-0.0864	0	0.120
ENSP00000339467	2.88E-05	-0.0865	239	0.564
ENSP00000250937	6.33E-06	-0.0865	0	0.834
ENSP00000314214	2.33E-05	-0.0865	346	0.301
ENSP00000358622	4.30E-05	-0.0865	298	0.000
ENSP00000354707	4.15E-06	-0.0865	0	0.129
ENSP00000340004	1.41E-05	-0.0865	211	0.704
ENSP00000383333	5.96E-06	-0.0865	0	0.282
ENSP00000246194	5.93E-06	-0.0865	0	0.971
ENSP00000297012	1.65E-05	-0.0866	158	0.990
ENSP00000378418	3.91E-06	-0.0866	0	0.720
ENSP00000320869	7.42E-06	-0.0866	0	0.415
ENSP00000374552	4.64E-06	-0.0866	0	0.210
ENSP00000372272	2.16E-07	-0.0866	0	0.203
ENSP00000372278	2.16E-07	-0.0866	0	0.203
ENSP00000240499	1.81E-05	-0.0866	197	0.777
ENSP00000376148	7.94E-06	-0.0866	0	0.089
ENSP00000241600	7.78E-06	-0.0866	416	0.735
ENSP00000265080	6.18E-06	-0.0866	0	0.465
ENSP00000266557	4.13E-05	-0.0867	163	0.823
ENSP00000216774	7.10E-06	-0.0867	424	0.680
ENSP00000273153	8.78E-05	-0.0867	150	0.140
ENSP00000319417	1.39E-05	-0.0867	0	0.230
ENSP00000367471	7.38E-05	-0.0867	0	0.100
ENSP00000366557	2.57E-05	-0.0867	564	0.729
ENSP00000400997	3.35E-06	-0.0867	0	0.708
ENSP00000256646	2.58E-05	-0.0867	904	0.910
ENSP00000325038	1.36E-05	-0.0867	211	0.690
ENSP00000253571	7.38E-06	-0.0867	0	0.606
ENSP00000268835	9.01E-06	-0.0867	201	0.578
ENSP00000282412	1.08E-05	-0.0867	317	0.676
ENSP00000384018	4.83E-05	-0.0867	300	0.822
ENSP00000262640	1.77E-05	-0.0867	201	0.242
ENSP00000304102	1.65E-05	-0.0867	192	0.517

ENSP00000295033	5.95E-06	-0.0868	0	0.706
ENSP00000352918	4.32E-05	-0.0868	389	0.470
ENSP00000305465	1.15E-05	-0.0868	422	0.497
ENSP00000346483	5.34E-06	-0.0868	0	0.096
ENSP00000325548	1.85E-05	-0.0868	684	0.350
ENSP00000359664	2.11E-04	-0.0868	169	0.170
ENSP00000306382	1.89E-05	-0.0869	275	0.406
ENSP00000250615	1.79E-05	-0.0869	418	0.252
ENSP00000400836	3.11E-06	-0.0869	0	0.000
ENSP00000263754	2.55E-05	-0.0869	831	0.000
ENSP00000306866	1.85E-05	-0.0869	210	0.329
ENSP00000361598	5.07E-03	-0.0869	0	0.213
ENSP00000219240	7.18E-06	-0.0869	312	0.647
ENSP00000342812	9.58E-06	-0.0869	0	0.518
ENSP00000270142	4.26E-05	-0.0869	399	0.797
ENSP00000349923	1.13E-05	-0.0869	0	0.139
ENSP00000264029	1.48E-05	-0.0869	377	0.348
ENSP00000256658	3.64E-06	-0.0869	0	0.220
ENSP00000373301	4.86E-05	-0.0869	263	0.771
ENSP00000279247	1.14E-05	-0.0869	163	0.682
ENSP00000368645	5.85E-06	-0.0869	0	0.789
ENSP00000263966	5.68E-06	-0.0870	0	0.290
ENSP00000300504	1.04E-05	-0.0870	0	0.197
ENSP00000295822	1.60E-05	-0.0870	266	0.000
ENSP00000268712	3.70E-05	-0.0870	900	0.806
ENSP00000261875	7.17E-06	-0.0870	0	0.000
ENSP00000215832	1.34E-05	-0.0870	367	0.000
ENSP00000217173	7.04E-06	-0.0870	0	0.336
ENSP00000308149	2.08E-05	-0.0870	216	0.122
ENSP00000366157	3.51E-05	-0.0870	561	0.523
ENSP00000266497	1.03E-05	-0.0870	165	0.660
ENSP00000312995	9.77E-06	-0.0870	270	0.660
ENSP00000298852	2.29E-05	-0.0870	369	0.567
ENSP00000298532	1.48E-05	-0.0870	250	0.000
ENSP00000368872	5.36E-06	-0.0870	0	0.169
ENSP00000357986	1.20E-04	-0.0870	564	0.479
ENSP00000337056	1.35E-05	-0.0870	273	0.835
ENSP00000340736	9.34E-06	-0.0871	0	0.094
ENSP00000272520	2.76E-05	-0.0871	0	0.197
ENSP00000356257	4.71E-05	-0.0871	292	0.610
ENSP00000222726	6.44E-05	-0.0871	246	0.860
ENSP00000264192	1.28E-05	-0.0871	0	0.170
ENSP00000239891	1.29E-05	-0.0871	231	0.381
ENSP00000234453	9.74E-06	-0.0871	0	0.097
ENSP00000247191	5.63E-06	-0.0871	0	0.288
ENSP00000258415	1.08E-05	-0.0871	323	0.382

ENSP00000268383	7.37E-06	-0.0871	0	0.284
ENSP00000226444	1.83E-05	-0.0871	300	0.382
ENSP00000301921	1.78E-05	-0.0872	181	0.819
ENSP00000366509	4.49E-06	-0.0872	0	0.701
ENSP00000307078	4.00E-05	-0.0872	359	0.472
ENSP00000373691	4.03E-05	-0.0872	343	0.738
ENSP00000325312	1.12E-05	-0.0872	265	0.860
ENSP00000364190	4.35E-05	-0.0872	165	0.842
ENSP00000222330	1.16E-05	-0.0872	343	0.686
ENSP00000338788	6.57E-06	-0.0872	179	0.844
ENSP00000243896	1.27E-05	-0.0873	0	0.067
ENSP00000295454	6.89E-06	-0.0873	0	0.337
ENSP00000302913	7.03E-05	-0.0873	225	0.600
ENSP00000300441	7.05E-06	-0.0873	0	0.246
ENSP00000285208	1.71E-05	-0.0873	196	0.229
ENSP00000358155	9.21E-06	-0.0873	158	0.000
ENSP00000266000	3.87E-05	-0.0873	270	0.853
ENSP00000283558	1.42E-05	-0.0873	155	0.000
ENSP00000268802	4.03E-06	-0.0874	0	0.864
ENSP00000219406	9.26E-06	-0.0874	724	0.563
ENSP00000314348	1.63E-05	-0.0874	404	0.926
ENSP00000314505	4.42E-06	-0.0874	0	0.687
ENSP00000295901	1.79E-05	-0.0874	188	0.446
ENSP00000310721	7.48E-06	-0.0874	0	0.269
ENSP00000217939	1.34E-05	-0.0874	159	0.651
ENSP00000340465	1.57E-05	-0.0874	152	0.082
ENSP00000155840	9.40E-06	-0.0874	213	0.540
ENSP00000306627	6.42E-06	-0.0874	0	0.181
ENSP00000262139	5.47E-06	-0.0875	0	0.107
ENSP00000195654	6.15E-06	-0.0875	0	0.080
ENSP00000288840	8.04E-05	-0.0875	665	0.882
ENSP00000320898	7.82E-06	-0.0875	0	0.725
ENSP00000332151	2.26E-05	-0.0875	349	0.331
ENSP00000296861	4.14E-05	-0.0875	163	0.749
ENSP00000262077	6.74E-06	-0.0875	0	0.710
ENSP00000261537	3.33E-05	-0.0875	416	0.855
ENSP00000326534	5.88E-06	-0.0875	0	0.164
ENSP00000437812	5.42E-06	-0.0875	0	0.189
ENSP00000327214	1.20E-05	-0.0875	418	0.336
ENSP00000358151	2.20E-05	-0.0875	885	0.953
ENSP00000284629	6.22E-06	-0.0876	202	0.625
ENSP00000313490	1.34E-05	-0.0876	428	0.562
ENSP00000302456	1.51E-05	-0.0876	324	0.754
ENSP00000260402	6.96E-06	-0.0876	208	0.692
ENSP00000332225	7.98E-06	-0.0876	0	0.541
ENSP00000376886	3.85E-05	-0.0876	389	0.836

ENSP00000228289	1.27E-05	-0.0876	181	0.695
ENSP00000216264	3.07E-05	-0.0876	165	0.309
ENSP00000351482	5.68E-06	-0.0876	0	0.680
ENSP00000307134	7.52E-06	-0.0876	0	0.549
ENSP00000352846	3.53E-06	-0.0876	0	0.694
ENSP00000360569	4.76E-05	-0.0876	430	0.414
ENSP00000416706	4.27E-05	-0.0876	483	0.707
ENSP00000303939	2.76E-05	-0.0876	859	0.890
ENSP00000233638	6.30E-05	-0.0877	193	0.668
ENSP00000267101	3.13E-05	-0.0877	890	0.960
ENSP00000281821	1.70E-05	-0.0877	220	0.670
ENSP00000254976	1.08E-05	-0.0877	0	0.241
ENSP00000292363	6.69E-06	-0.0877	0	0.417
ENSP00000400142	3.55E-05	-0.0878	305	0.809
ENSP00000437532	9.53E-08	-0.0878	0	0.000
ENSP00000339095	4.54E-06	-0.0878	0	0.857
ENSP00000424243	3.33E-05	-0.0878	270	0.641
ENSP00000402153	1.49E-06	-0.0878	0	0.143
ENSP00000386992	2.91E-05	-0.0878	159	0.435
ENSP00000350757	5.25E-05	-0.0878	294	0.248
ENSP00000370571	4.65E-05	-0.0878	349	0.882
ENSP00000276201	4.83E-06	-0.0878	0	0.840
ENSP00000451560	4.64E-05	-0.0878	439	0.738
ENSP00000283268	1.59E-05	-0.0878	339	0.843
ENSP00000259791	1.33E-05	-0.0878	158	0.000
ENSP00000288502	3.04E-03	-0.0878	0	0.209
ENSP00000335636	5.35E-06	-0.0878	0	0.286
ENSP00000240055	9.40E-06	-0.0878	911	0.000
ENSP00000264170	1.14E-05	-0.0878	0	0.097
ENSP00000418603	8.11E-06	-0.0879	0	0.000
ENSP00000292095	6.41E-05	-0.0879	650	0.918
ENSP00000216037	5.43E-05	-0.0879	966	0.856
ENSP00000276927	2.37E-05	-0.0879	268	0.918
ENSP00000355141	4.86E-05	-0.0879	177	0.193
ENSP00000315674	1.61E-05	-0.0879	157	0.875
ENSP00000270509	7.61E-05	-0.0879	566	0.278
ENSP00000305503	6.85E-06	-0.0879	0	0.582
ENSP00000350199	4.54E-06	-0.0880	0	0.223
ENSP00000309376	1.27E-04	-0.0880	440	0.322
ENSP00000380557	6.11E-06	-0.0880	0	0.508
ENSP00000367608	4.75E-05	-0.0880	455	0.859
ENSP00000342188	1.13E-05	-0.0880	508	0.660
ENSP00000266397	7.33E-06	-0.0880	403	0.492
ENSP00000279230	7.78E-06	-0.0880	258	0.718
ENSP00000359518	5.62E-05	-0.0880	360	0.846
ENSP00000223023	2.57E-05	-0.0880	364	0.688

ENSP00000328640	2.17E-05	-0.0880	0	0.000
ENSP00000343479	1.32E-05	-0.0880	200	0.462
ENSP00000305494	9.40E-06	-0.0880	294	0.484
ENSP00000254190	5.91E-05	-0.0880	159	0.168
ENSP00000306397	1.01E-05	-0.0881	210	0.483
ENSP00000334145	9.87E-05	-0.0881	316	0.840
ENSP00000381105	4.61E-05	-0.0881	702	0.853
ENSP00000160827	3.27E-06	-0.0881	0	0.256
ENSP00000281456	1.01E-05	-0.0881	225	0.453
ENSP00000354006	1.71E-05	-0.0881	210	0.388
ENSP00000256079	1.01E-05	-0.0881	563	0.000
ENSP00000380174	3.15E-06	-0.0882	0	0.701
ENSP00000338703	7.52E-06	-0.0882	0	0.344
ENSP00000225298	3.47E-06	-0.0882	0	0.883
ENSP00000345339	3.11E-06	-0.0882	0	0.692
ENSP00000345392	3.71E-06	-0.0882	0	0.000
ENSP00000310129	1.04E-05	-0.0882	178	0.604
ENSP00000302501	1.03E-04	-0.0882	609	0.880
ENSP00000315659	1.11E-05	-0.0883	241	0.156
ENSP00000378642	3.67E-06	-0.0883	0	0.697
ENSP00000372210	2.55E-05	-0.0883	428	0.232
ENSP00000351883	3.33E-06	-0.0883	0	0.688
ENSP00000260766	5.74E-06	-0.0883	0	0.648
ENSP00000344989	6.35E-06	-0.0884	363	0.597
ENSP00000342848	1.12E-05	-0.0884	151	0.422
ENSP00000304762	6.02E-05	-0.0884	0	0.174
ENSP00000337445	5.13E-06	-0.0884	0	0.753
ENSP00000338030	7.19E-06	-0.0884	0	0.063
ENSP00000300935	3.51E-05	-0.0884	463	0.443
ENSP00000351589	1.11E-05	-0.0885	0	0.996
ENSP00000403304	2.05E-05	-0.0885	153	0.000
ENSP00000357079	1.59E-04	-0.0885	198	0.000
ENSP00000379213	3.68E-05	-0.0885	859	0.867
ENSP00000220429	1.49E-05	-0.0885	201	0.719
ENSP00000233710	7.35E-06	-0.0885	0	0.474
ENSP00000342962	1.70E-05	-0.0885	199	0.127
ENSP00000254193	1.34E-05	-0.0885	393	0.880
ENSP00000402065	5.77E-06	-0.0885	0	0.000
ENSP00000395369	9.02E-07	-0.0885	0	0.000
ENSP00000265138	8.20E-06	-0.0885	0	0.097
ENSP00000375904	3.49E-06	-0.0885	0	0.100
ENSP00000258646	7.16E-06	-0.0885	0	0.715
ENSP00000311344	4.90E-06	-0.0886	0	0.549
ENSP00000370990	1.38E-05	-0.0886	286	0.776
ENSP00000359364	6.09E-05	-0.0886	200	0.195
ENSP00000332152	7.56E-06	-0.0886	0	0.000



ENSP00000314736	5.86E-06	-0.0886	0	0.160
ENSP00000267845	1.63E-05	-0.0886	270	0.337
ENSP00000242776	8.61E-06	-0.0886	394	0.940
ENSP00000265944	1.78E-05	-0.0887	244	0.408
ENSP00000284727	4.55E-06	-0.0887	0	0.421
ENSP00000352836	3.63E-06	-0.0887	0	0.711
ENSP00000328340	6.13E-06	-0.0887	0	0.385
ENSP00000317334	2.63E-05	-0.0887	800	0.769
ENSP00000300249	4.84E-06	-0.0887	0	0.468
ENSP00000324693	9.45E-06	-0.0887	0	0.756
ENSP00000286918	7.77E-06	-0.0887	202	0.570
ENSP00000225969	3.02E-06	-0.0887	0	0.528
ENSP00000309689	4.24E-06	-0.0887	0	0.566
ENSP00000254950	1.33E-05	-0.0888	202	0.299
ENSP00000263464	4.16E-05	-0.0888	416	0.896
ENSP00000310219	3.15E-05	-0.0888	876	0.881
ENSP00000205890	1.17E-05	-0.0888	244	0.367
ENSP00000263209	4.16E-05	-0.0888	573	0.755
ENSP00000220751	1.28E-05	-0.0888	210	0.689
ENSP00000364895	1.16E-05	-0.0888	905	0.748
ENSP00000350295	3.37E-06	-0.0888	0	0.694
ENSP00000330671	1.08E-05	-0.0888	208	0.154
ENSP00000222584	1.22E-05	-0.0889	191	0.779
ENSP00000353794	6.14E-06	-0.0889	0	0.173
ENSP00000359074	4.10E-05	-0.0889	177	0.000
ENSP00000382518	2.29E-05	-0.0889	213	0.181
ENSP00000267584	4.63E-06	-0.0889	0	0.272
ENSP00000357051	5.25E-05	-0.0889	200	0.201
ENSP00000263734	4.91E-05	-0.0889	438	0.879
ENSP00000355361	5.53E-05	-0.0889	803	0.666
ENSP00000350049	5.25E-06	-0.0889	0	0.663
ENSP00000315505	1.22E-05	-0.0889	288	0.701
ENSP00000215956	6.25E-06	-0.0890	172	0.000
ENSP00000316240	5.41E-05	-0.0890	609	0.093
ENSP00000228606	1.51E-05	-0.0890	158	0.645
ENSP00000407353	4.50E-06	-0.0890	0	0.000
ENSP00000328720	1.74E-05	-0.0890	543	0.000
ENSP00000256474	6.37E-05	-0.0890	992	0.872
ENSP00000346453	2.00E-05	-0.0890	298	0.691
ENSP00000263228	1.14E-05	-0.0890	178	0.661
ENSP00000261900	4.70E-06	-0.0890	0	0.801
ENSP00000265602	3.51E-05	-0.0890	440	0.342
ENSP00000262374	4.06E-06	-0.0890	0	0.402
ENSP00000318165	2.73E-05	-0.0890	990	0.406
ENSP00000344235	1.70E-05	-0.0890	202	0.657
ENSP00000324792	1.70E-05	-0.0890	281	0.875

ENSP00000287078	8.94E-06	-0.0891	340	0.329
ENSP00000309565	5.27E-06	-0.0891	0	0.278
ENSP00000334675	2.26E-05	-0.0891	284	0.913
ENSP00000320188	1.35E-05	-0.0891	195	0.689
ENSP00000261015	8.95E-06	-0.0891	343	0.888
ENSP00000381928	1.04E-05	-0.0891	0	0.097
ENSP00000261601	1.96E-05	-0.0891	163	0.514
ENSP00000274811	6.38E-06	-0.0891	0	0.280
ENSP00000274289	1.76E-05	-0.0891	201	0.564
ENSP00000306682	1.88E-05	-0.0891	177	0.790
ENSP00000261708	3.54E-06	-0.0891	0	0.852
ENSP00000357565	3.46E-06	-0.0891	0	0.185
ENSP00000313600	6.83E-06	-0.0892	0	0.095
ENSP00000263257	4.42E-05	-0.0892	181	0.602
ENSP00000371789	2.03E-03	-0.0892	0	0.000
ENSP00000007414	6.28E-06	-0.0892	0	0.086
ENSP00000222250	5.45E-06	-0.0892	0	0.076
ENSP00000360262	2.70E-05	-0.0892	228	0.115
ENSP00000322457	7.81E-06	-0.0892	0	0.738
ENSP00000251047	7.05E-05	-0.0892	493	0.220
ENSP00000322652	1.01E-04	-0.0892	193	0.079
ENSP00000354568	2.35E-05	-0.0892	246	0.933
ENSP00000398401	4.20E-06	-0.0893	0	0.141
ENSP00000424598	4.80E-07	-0.0893	0	0.135
ENSP00000266646	3.25E-05	-0.0893	214	0.854
ENSP00000320378	7.31E-06	-0.0893	0	0.081
ENSP00000359258	3.85E-05	-0.0893	903	0.427
ENSP00000261574	4.49E-05	-0.0893	349	0.836
ENSP00000391826	7.29E-05	-0.0893	929	0.947
ENSP00000222157	2.97E-05	-0.0894	242	0.872
ENSP00000295777	4.79E-05	-0.0894	300	0.289
ENSP00000296792	3.93E-06	-0.0894	0	0.856
ENSP00000311492	1.24E-05	-0.0894	0	0.691
ENSP00000228740	6.59E-05	-0.0894	506	0.441
ENSP00000323047	2.28E-05	-0.0894	240	0.000
ENSP00000261733	9.04E-06	-0.0894	323	0.466
ENSP00000395340	3.28E-07	-0.0894	0	0.214
ENSP00000264377	4.96E-05	-0.0894	151	0.201
ENSP00000254436	7.66E-06	-0.0894	163	0.550
ENSP00000244426	7.73E-06	-0.0894	0	0.136
ENSP00000371800	5.76E-06	-0.0894	0	0.474
ENSP00000352257	4.16E-05	-0.0895	997	0.868
ENSP00000345079	3.25E-05	-0.0895	440	0.304
ENSP00000319664	7.82E-06	-0.0895	0	0.319
ENSP00000261712	5.32E-06	-0.0895	0	0.541
ENSP00000232975	8.93E-06	-0.0895	906	0.658

ENSP00000396320	9.41E-06	-0.0895	0	0.409
ENSP00000325817	9.77E-06	-0.0895	224	0.000
ENSP00000357881	3.39E-06	-0.0895	0	0.695
ENSP00000365806	2.59E-05	-0.0895	240	0.883
ENSP00000363284	2.12E-05	-0.0896	218	0.904
ENSP00000385720	1.65E-05	-0.0896	214	0.804
ENSP00000317376	9.83E-06	-0.0896	363	0.705
ENSP00000366915	3.59E-05	-0.0896	522	0.843
ENSP00000355304	5.18E-06	-0.0896	0	0.554
ENSP00000248139	3.63E-06	-0.0896	0	0.243
ENSP00000313811	1.51E-05	-0.0896	159	0.176
ENSP00000296525	7.83E-06	-0.0896	206	0.685
ENSP00000271308	1.08E-05	-0.0896	174	0.548
ENSP00000264954	7.58E-06	-0.0897	987	0.632
ENSP00000330307	1.23E-05	-0.0897	158	0.000
ENSP00000265643	2.67E-05	-0.0897	342	0.716
ENSP00000310440	6.55E-06	-0.0897	0	0.229
ENSP00000356630	4.63E-05	-0.0897	305	0.195
ENSP00000350896	3.37E-05	-0.0897	309	0.675
ENSP00000310071	5.18E-06	-0.0897	0	0.446
ENSP00000357736	1.14E-05	-0.0897	0	0.161
ENSP00000341382	1.58E-05	-0.0897	180	0.782
ENSP00000264926	6.94E-06	-0.0898	0	0.784
ENSP00000302189	3.18E-05	-0.0898	200	0.835
ENSP00000280701	6.30E-06	-0.0898	0	0.315
ENSP00000263665	2.75E-05	-0.0898	224	0.672
ENSP00000295379	1.95E-05	-0.0898	181	0.893
ENSP00000369592	1.45E-06	-0.0898	0	0.342
ENSP00000439660	2.59E-05	-0.0898	751	0.000
ENSP00000358458	4.97E-05	-0.0899	150	0.129
ENSP00000221399	5.37E-05	-0.0899	328	0.274
ENSP00000372720	2.25E-04	-0.0899	216	0.104
ENSP00000333329	4.69E-06	-0.0899	0	0.598
ENSP00000393333	2.38E-05	-0.0899	471	0.689
ENSP00000296504	1.43E-05	-0.0899	0	0.771
ENSP00000281154	1.40E-05	-0.0899	214	0.355
ENSP00000452773	1.69E-06	-0.0899	0	0.124
ENSP00000303709	1.72E-05	-0.0900	185	0.625
ENSP00000381549	4.15E-05	-0.0900	203	0.143
ENSP00000391266	2.04E-05	-0.0900	281	0.000
ENSP00000364140	5.39E-05	-0.0900	263	0.415
ENSP00000369853	5.15E-05	-0.0900	212	0.104
ENSP00000321389	1.43E-05	-0.0900	158	0.990
ENSP00000337393	6.85E-06	-0.0900	0	0.422
ENSP00000325917	3.15E-05	-0.0900	737	0.642
ENSP00000301327	5.83E-06	-0.0901	0	0.103

ENSP00000358548	5.15E-05	-0.0901	910	0.735
ENSP00000329825	2.48E-06	-0.0901	0	0.214
ENSP00000342121	6.76E-06	-0.0901	0	0.567
ENSP00000359483	5.08E-06	-0.0901	0	0.652
ENSP00000366899	4.05E-06	-0.0901	0	0.690
ENSP00000261837	3.15E-05	-0.0901	220	0.492
ENSP00000318423	1.32E-04	-0.0901	210	0.000
ENSP00000314193	3.63E-06	-0.0901	0	0.821
ENSP00000362107	8.94E-06	-0.0901	270	0.560
ENSP00000366317	8.40E-04	-0.0902	0	0.000
ENSP00000373828	3.79E-06	-0.0902	0	0.133
ENSP00000381129	1.85E-05	-0.0902	360	0.492
ENSP00000391249	1.81E-05	-0.0902	265	0.423
ENSP00000262367	2.84E-05	-0.0902	921	0.000
ENSP00000226319	5.41E-06	-0.0902	0	0.000
ENSP00000229903	6.29E-04	-0.0902	0	0.209
ENSP00000332790	1.05E-05	-0.0902	158	0.993
ENSP00000364702	6.54E-06	-0.0902	0	0.000
ENSP00000259239	4.99E-06	-0.0903	0	0.885
ENSP00000263116	1.76E-05	-0.0903	196	0.240
ENSP00000377582	1.37E-06	-0.0903	0	0.151
ENSP00000360913	5.15E-05	-0.0903	241	0.154
ENSP00000347055	2.20E-05	-0.0903	907	0.447
ENSP00000235521	1.26E-05	-0.0903	271	0.541
ENSP00000322640	2.48E-06	-0.0903	0	0.214
ENSP00000285679	4.89E-06	-0.0903	0	0.253
ENSP00000240285	9.02E-05	-0.0903	958	0.206
ENSP00000377446	3.01E-05	-0.0903	259	0.691
ENSP00000323811	1.33E-05	-0.0903	229	0.385
ENSP00000321449	3.93E-06	-0.0903	0	0.829
ENSP00000221543	8.09E-06	-0.0903	0	0.186
ENSP00000469038	2.41E-07	-0.0903	0	0.000
ENSP00000216036	8.18E-06	-0.0903	0	0.000
ENSP00000381711	1.72E-06	-0.0904	0	0.000
ENSP00000370414	2.00E-05	-0.0904	209	0.157
ENSP00000343745	3.56E-05	-0.0904	825	0.758
ENSP00000294785	7.36E-05	-0.0904	502	0.684
ENSP00000369927	8.12E-06	-0.0904	243	0.247
ENSP00000359504	3.40E-05	-0.0904	911	0.691
ENSP00000353874	2.68E-05	-0.0904	873	0.906
ENSP00000288532	7.43E-06	-0.0904	0	0.262
ENSP00000358770	3.49E-05	-0.0904	386	0.752
ENSP00000333394	9.71E-04	-0.0904	0	0.211
ENSP00000257566	1.89E-05	-0.0904	192	0.875
ENSP00000368396	6.27E-04	-0.0904	0	0.000
ENSP00000341208	4.25E-05	-0.0904	364	0.944

ENSP00000442163	2.67E-04	-0.0904	211	0.000
ENSP00000361001	4.86E-05	-0.0905	0	0.129
ENSP00000221801	2.40E-05	-0.0905	374	0.914
ENSP00000337915	1.61E-05	-0.0905	242	0.446
ENSP00000391806	6.13E-06	-0.0905	160	0.380
ENSP00000353646	6.22E-06	-0.0905	0	0.213
ENSP00000355319	6.36E-04	-0.0905	0	0.000
ENSP00000261461	3.93E-06	-0.0905	0	0.642
ENSP00000381204	1.72E-04	-0.0905	0	0.169
ENSP00000344456	6.46E-05	-0.0905	957	0.000
ENSP00000246957	8.63E-06	-0.0905	929	0.690
ENSP00000225655	4.06E-05	-0.0905	213	0.535
ENSP00000379394	3.28E-06	-0.0905	0	0.100
ENSP00000412237	4.80E-05	-0.0905	923	0.966
ENSP00000371221	5.54E-05	-0.0905	200	0.133
ENSP00000290551	9.27E-05	-0.0906	281	0.775
ENSP00000297063	8.23E-02	-0.0906	0	0.210
ENSP00000350260	8.23E-02	-0.0906	0	0.210
ENSP00000385269	1.69E-01	-0.0906	407	0.770
ENSP00000262662	8.79E-06	-0.0906	202	0.851
ENSP00000381672	1.99E-03	-0.0906	0	0.191
ENSP00000346981	8.53E-04	-0.0906	0	0.210
ENSP00000304604	1.11E-05	-0.0906	159	0.550
ENSP00000261667	1.37E-05	-0.0906	154	0.709
ENSP00000332407	7.61E-06	-0.0906	198	0.282
ENSP00000380116	2.96E-04	-0.0906	0	0.000
ENSP00000291572	4.97E-06	-0.0906	0	0.303
ENSP00000371061	3.66E-04	-0.0906	0	0.143
ENSP00000348043	1.17E-05	-0.0906	448	0.069
ENSP00000273596	5.39E-06	-0.0907	0	0.099
ENSP00000364943	5.64E-05	-0.0907	207	0.588
ENSP00000306906	6.66E-06	-0.0907	0	0.336
ENSP00000367755	3.15E-05	-0.0907	353	0.465
ENSP00000324203	5.93E-06	-0.0907	0	0.573
ENSP00000369431	1.04E-04	-0.0907	0	0.148
ENSP00000216127	9.54E-06	-0.0907	470	0.607
ENSP00000265316	8.20E-06	-0.0907	0	0.127
ENSP00000349687	5.20E-05	-0.0907	215	0.160
ENSP00000343526	5.60E-06	-0.0907	0	0.598
ENSP00000363441	1.38E-04	-0.0907	0	0.181
ENSP00000383866	1.92E-04	-0.0907	0	0.130
ENSP00000343505	1.30E-04	-0.0907	0	0.129
ENSP00000323511	5.69E-06	-0.0907	0	0.372
ENSP00000398495	1.18E-04	-0.0908	0	0.672
ENSP00000363836	3.44E-05	-0.0908	232	0.403
ENSP00000374260	1.25E-06	-0.0908	0	0.124

ENSP00000366843	6.00E-05	-0.0908	292	0.606
ENSP00000348611	2.51E-05	-0.0908	235	0.000
ENSP00000355051	5.52E-06	-0.0908	0	0.734
ENSP00000383515	6.68E-07	-0.0908	0	0.000
ENSP00000261318	2.67E-04	-0.0908	0	0.142
ENSP00000339912	4.58E-06	-0.0908	0	0.566
ENSP00000344218	1.21E-04	-0.0908	0	0.081
ENSP00000311336	1.17E-05	-0.0908	0	0.059
ENSP00000368405	1.30E-04	-0.0908	0	0.077
ENSP00000269243	1.57E-05	-0.0908	644	0.537
ENSP00000397157	1.01E-04	-0.0908	167	0.579
ENSP00000377461	3.49E-06	-0.0908	0	0.703
ENSP00000362372	6.32E-06	-0.0909	0	0.488
ENSP00000462879	1.04E-05	-0.0909	0	0.176
ENSP00000301740	6.12E-05	-0.0909	591	0.775
ENSP00000369636	3.47E-05	-0.0909	0	0.118
ENSP00000340083	2.16E-04	-0.0909	0	0.163
ENSP00000346206	6.15E-06	-0.0909	160	0.428
ENSP00000355979	1.23E-04	-0.0909	0	0.124
ENSP00000364028	4.05E-05	-0.0909	471	0.703
ENSP00000310729	1.27E-04	-0.0909	0	0.123
ENSP00000226207	1.21E-05	-0.0909	434	0.580
ENSP00000382231	7.95E-05	-0.0909	0	0.000
ENSP00000256544	2.31E-04	-0.0909	0	0.138
ENSP00000332433	1.35E-05	-0.0909	288	0.704
ENSP00000352928	6.02E-05	-0.0909	628	0.167
ENSP00000332721	6.36E-05	-0.0910	0	0.121
ENSP00000364382	6.98E-05	-0.0910	0	0.111
ENSP00000357842	1.14E-04	-0.0910	0	0.122
ENSP00000347495	1.76E-05	-0.0910	404	0.663
ENSP00000321636	1.12E-05	-0.0910	256	0.684
ENSP00000333724	2.50E-06	-0.0910	0	0.000
ENSP00000414330	1.52E-05	-0.0910	221	0.161
ENSP00000355759	3.42E-05	-0.0910	623	0.782
ENSP00000380156	2.93E-05	-0.0910	194	0.808
ENSP00000359837	5.29E-06	-0.0910	0	0.721
ENSP00000319984	2.66E-05	-0.0910	270	0.591
ENSP00000355649	3.27E-06	-0.0910	0	0.391
ENSP00000353093	1.22E-04	-0.0910	158	0.134
ENSP00000450144	9.42E-06	-0.0910	0	0.145
ENSP00000298585	7.00E-05	-0.0910	456	0.147
ENSP00000316861	6.78E-05	-0.0911	152	0.101
ENSP00000378996	5.98E-05	-0.0911	0	0.122
ENSP00000327344	9.76E-05	-0.0911	0	0.170
ENSP00000337907	6.46E-06	-0.0911	302	0.459
ENSP00000327608	6.38E-05	-0.0911	0	0.161

ENSP00000262904	2.24E-05	-0.0911	196	0.771
ENSP00000363416	7.37E-05	-0.0911	0	0.151
ENSP00000344616	7.89E-05	-0.0911	0	0.146
ENSP00000354849	1.82E-05	-0.0911	902	0.173
ENSP00000345789	5.80E-05	-0.0911	0	0.000
ENSP00000345492	2.70E-05	-0.0911	810	0.558
ENSP00000302620	2.48E-05	-0.0911	158	0.283
ENSP00000262483	1.65E-05	-0.0911	376	0.000
ENSP00000339157	3.30E-05	-0.0911	504	0.173
ENSP00000254854	1.05E-05	-0.0911	635	0.658
ENSP00000264093	1.21E-05	-0.0911	195	0.881
ENSP00000378935	4.65E-05	-0.0911	192	0.143
ENSP00000348778	2.09E-05	-0.0911	284	0.262
ENSP00000367207	7.75E-05	-0.0911	957	0.000
ENSP00000299957	4.25E-05	-0.0912	0	0.130
ENSP00000369519	3.75E-05	-0.0912	218	0.308
ENSP00000253407	9.25E-05	-0.0912	0	0.129
ENSP00000322175	4.93E-05	-0.0912	281	0.451
ENSP00000269095	8.43E-06	-0.0912	302	0.437
ENSP00000354680	3.45E-06	-0.0912	0	0.000
ENSP00000242057	4.59E-05	-0.0912	303	0.849
ENSP00000367265	5.23E-05	-0.0912	0	0.078
ENSP00000367808	5.80E-05	-0.0912	0	0.000
ENSP00000305372	4.49E-05	-0.0912	644	0.849
ENSP00000363520	5.51E-05	-0.0912	0	0.114
ENSP00000220931	3.66E-06	-0.0912	0	0.239
ENSP00000310459	8.54E-05	-0.0912	0	0.105
ENSP00000249861	7.82E-05	-0.0912	0	0.142
ENSP00000265056	4.23E-06	-0.0912	0	0.787
ENSP00000352513	7.01E-05	-0.0912	0	0.186
ENSP00000327453	6.79E-06	-0.0912	183	0.350
ENSP00000357199	5.35E-05	-0.0912	0	0.150
ENSP00000267430	4.05E-06	-0.0913	0	0.764
ENSP00000367359	6.46E-05	-0.0913	0	0.174
ENSP00000356150	2.45E-05	-0.0913	163	0.813
ENSP00000349575	4.72E-05	-0.0913	0	0.141
ENSP00000379689	3.02E-06	-0.0913	0	0.699
ENSP00000341652	5.81E-05	-0.0913	0	0.125
ENSP00000331305	4.24E-05	-0.0913	0	0.234
ENSP00000297679	1.33E-05	-0.0913	198	0.280
ENSP00000361066	3.99E-05	-0.0913	302	0.815
ENSP00000394086	3.13E-06	-0.0913	0	0.688
ENSP00000348714	1.93E-04	-0.0913	0	0.249
ENSP00000370439	4.91E-05	-0.0913	0	0.000
ENSP00000337972	6.49E-06	-0.0913	215	0.086
ENSP00000350773	3.17E-06	-0.0913	0	0.690

ENSP00000335229	2.25E-05	-0.0913	0	0.000
ENSP00000247461	2.70E-05	-0.0913	937	0.650
ENSP00000285021	5.81E-06	-0.0914	0	0.748
ENSP00000261597	3.30E-05	-0.0914	343	0.588
ENSP00000348933	3.34E-05	-0.0914	412	0.089
ENSP00000345997	3.12E-05	-0.0914	325	0.301
ENSP00000373474	3.47E-05	-0.0914	0	0.461
ENSP00000315915	4.74E-05	-0.0914	0	0.093
ENSP00000370889	3.25E-05	-0.0914	271	0.089
ENSP00000351490	3.46E-05	-0.0914	903	0.728
ENSP00000262547	5.60E-05	-0.0914	0	0.125
ENSP00000352841	6.85E-05	-0.0914	0	0.149
ENSP00000353971	4.14E-05	-0.0914	0	0.117
ENSP00000332198	5.70E-06	-0.0914	0	0.872
ENSP00000232458	4.87E-06	-0.0914	0	0.338
ENSP00000257572	4.24E-05	-0.0914	0	0.240
ENSP00000351035	2.94E-05	-0.0914	168	0.219
ENSP00000317903	7.21E-05	-0.0914	0	0.182
ENSP00000349465	1.97E-05	-0.0914	271	0.451
ENSP00000338072	2.06E-05	-0.0915	458	0.394
ENSP00000405575	2.64E-05	-0.0915	359	0.000
ENSP00000297991	3.30E-05	-0.0915	229	0.473
ENSP00000381607	5.42E-05	-0.0915	301	0.762
ENSP00000295025	1.47E-04	-0.0915	589	0.927
ENSP00000368805	2.31E-05	-0.0915	214	0.733
ENSP00000359827	4.14E-05	-0.0915	0	0.084
ENSP00000265960	7.77E-06	-0.0915	0	0.684
ENSP00000379294	3.81E-05	-0.0915	0	0.153
ENSP00000320291	7.08E-06	-0.0915	0	0.141
ENSP00000377942	3.80E-05	-0.0915	0	0.133
ENSP00000263969	1.19E-05	-0.0915	194	0.354
ENSP00000340494	3.28E-05	-0.0915	0	0.229
ENSP00000304410	4.68E-05	-0.0915	0	0.153
ENSP00000267512	3.63E-06	-0.0915	0	0.249
ENSP00000308897	8.54E-06	-0.0915	361	0.726
ENSP00000326817	1.00E-05	-0.0915	489	0.660
ENSP00000393719	4.09E-06	-0.0916	0	0.150
ENSP00000323847	2.32E-05	-0.0916	274	0.503
ENSP00000362638	4.39E-05	-0.0916	0	0.115
ENSP00000368450	3.13E-05	-0.0916	242	0.833
ENSP00000333376	1.13E-05	-0.0916	0	0.240
ENSP00000347444	3.40E-05	-0.0916	0	0.221
ENSP00000342012	3.84E-05	-0.0916	583	0.137
ENSP00000263097	1.17E-04	-0.0916	376	0.401
ENSP00000379669	2.84E-05	-0.0916	0	0.000
ENSP00000358576	2.31E-05	-0.0916	153	0.601



ENSP00000354859	2.73E-05	-0.0917	347	0.791
ENSP00000221665	1.17E-05	-0.0917	514	0.719
ENSP00000314099	2.79E-05	-0.0917	183	0.119
ENSP00000353998	5.81E-05	-0.0917	0	0.077
ENSP00000219281	5.41E-05	-0.0917	0	0.136
ENSP00000310244	2.29E-05	-0.0917	252	0.796
ENSP00000362942	3.42E-05	-0.0917	0	0.200
ENSP00000362707	3.94E-05	-0.0917	0	0.090
ENSP00000271688	1.34E-05	-0.0917	151	0.537
ENSP00000358599	3.66E-06	-0.0917	0	0.000
ENSP00000352271	2.37E-05	-0.0917	177	0.749
ENSP00000361245	4.71E-06	-0.0917	0	0.322
ENSP00000260682	9.56E-06	-0.0917	394	0.422
ENSP00000472934	1.09E-06	-0.0917	0	0.000
ENSP00000298530	5.06E-05	-0.0917	0	0.138
ENSP00000362574	3.31E-05	-0.0917	0	0.143
ENSP00000263733	3.44E-05	-0.0918	0	0.101
ENSP00000349541	3.10E-05	-0.0918	167	0.673
ENSP00000290795	5.05E-05	-0.0918	0	0.142
ENSP00000358251	3.01E-05	-0.0918	0	0.118
ENSP00000228506	2.90E-04	-0.0918	357	0.204
ENSP00000258301	1.40E-05	-0.0918	208	0.230
ENSP00000255198	5.62E-05	-0.0918	0	0.148
ENSP00000353706	4.23E-05	-0.0918	0	0.173
ENSP00000359171	3.05E-05	-0.0918	0	0.099
ENSP00000371073	2.42E-05	-0.0918	0	0.079
ENSP00000376609	1.59E-05	-0.0918	935	0.645
ENSP00000356552	5.95E-05	-0.0918	0	0.231
ENSP00000360104	2.26E-05	-0.0918	0	0.074
ENSP00000295951	3.41E-06	-0.0918	0	0.485
ENSP00000263576	2.04E-05	-0.0918	367	0.761
ENSP00000387077	2.04E-05	-0.0918	349	0.820
ENSP00000350716	3.38E-05	-0.0918	0	0.128
ENSP00000308533	1.39E-05	-0.0918	0	0.703
ENSP00000257336	6.96E-05	-0.0918	0	0.141
ENSP00000375730	3.56E-05	-0.0919	509	0.799
ENSP00000303525	7.58E-05	-0.0919	150	0.188
ENSP00000392909	2.05E-06	-0.0919	0	0.000
ENSP00000457230	8.03E-05	-0.0919	509	0.898
ENSP00000344277	2.56E-05	-0.0919	0	0.156
ENSP00000382091	3.96E-05	-0.0919	0	0.132
ENSP00000363694	3.84E-05	-0.0919	158	0.105
ENSP00000345528	2.90E-05	-0.0919	0	0.058
ENSP00000397026	3.40E-05	-0.0919	256	0.556
ENSP00000343871	2.71E-05	-0.0919	0	0.133
ENSP00000358147	1.54E-04	-0.0919	0	0.701

ENSP00000365550	1.33E-05	-0.0919	512	0.101
ENSP00000286692	3.33E-05	-0.0919	0	0.096
ENSP00000415030	3.24E-06	-0.0919	0	0.182
ENSP00000331172	3.21E-05	-0.0920	0	0.462
ENSP00000297164	6.06E-06	-0.0920	0	0.121
ENSP00000316891	2.28E-05	-0.0920	0	0.111
ENSP00000371278	1.78E-05	-0.0920	159	0.424
ENSP00000263512	3.03E-05	-0.0920	0	0.089
ENSP00000408617	5.57E-05	-0.0920	394	0.000
ENSP00000264852	3.34E-05	-0.0920	0	0.108
ENSP00000373360	2.05E-05	-0.0920	0	0.199
ENSP00000370345	2.19E-05	-0.0920	0	0.418
ENSP00000341368	5.41E-06	-0.0920	0	0.162
ENSP00000308461	2.23E-05	-0.0920	204	0.562
ENSP00000302397	9.66E-06	-0.0920	240	0.308
ENSP00000359052	2.68E-05	-0.0920	0	0.122
ENSP00000261692	2.47E-05	-0.0920	0	0.292
ENSP00000350333	5.25E-06	-0.0920	0	0.786
ENSP00000355114	2.62E-05	-0.0920	360	0.113
ENSP00000305059	1.47E-05	-0.0920	193	0.000
ENSP00000364034	6.23E-06	-0.0920	160	0.000
ENSP00000370055	4.92E-05	-0.0920	0	0.161
ENSP00000264775	7.44E-06	-0.0920	0	0.000
ENSP00000312122	1.05E-05	-0.0920	312	0.352
ENSP00000266673	5.38E-05	-0.0920	0	0.113
ENSP00000287202	2.40E-05	-0.0920	0	0.242
ENSP00000381216	3.21E-05	-0.0921	176	0.757
ENSP00000345374	1.48E-05	-0.0921	0	0.000
ENSP00000368503	5.29E-05	-0.0921	0	0.117
ENSP00000359768	4.29E-06	-0.0921	0	0.483
ENSP00000457299	1.97E-05	-0.0921	224	0.000
ENSP00000290219	2.35E-05	-0.0921	0	0.498
ENSP00000217909	3.10E-05	-0.0921	0	0.090
ENSP00000347896	2.67E-05	-0.0921	0	0.488
ENSP00000365756	2.38E-05	-0.0921	0	0.149
ENSP00000325660	2.66E-05	-0.0921	300	0.641
ENSP00000265085	2.34E-05	-0.0921	0	0.275
ENSP00000379451	3.04E-06	-0.0921	0	0.685
ENSP00000347184	3.74E-05	-0.0921	448	0.893
ENSP00000340989	3.87E-05	-0.0922	322	0.696
ENSP00000343190	3.88E-06	-0.0922	0	0.517
ENSP00000301585	9.21E-06	-0.0922	225	0.644
ENSP00000464803	1.85E-07	-0.0922	0	0.000
ENSP00000211314	6.09E-05	-0.0922	0	0.138
ENSP00000355340	4.76E-05	-0.0922	0	0.145
ENSP00000367196	2.43E-05	-0.0922	0	0.151

ENSP00000356110	2.96E-05	-0.0922	0	0.110
ENSP00000259748	5.08E-05	-0.0922	0	0.530
ENSP00000353538	4.94E-06	-0.0922	0	0.471
ENSP00000297273	2.70E-05	-0.0922	0	0.077
ENSP00000379368	3.45E-06	-0.0922	0	0.716
ENSP00000313933	2.73E-05	-0.0922	0	0.138
ENSP00000364054	2.03E-05	-0.0922	0	0.122
ENSP00000361383	3.20E-05	-0.0922	0	0.147
ENSP00000256720	9.97E-06	-0.0922	198	0.668
ENSP00000348848	5.80E-06	-0.0922	0	0.092
ENSP00000344871	1.53E-05	-0.0922	244	0.368
ENSP00000350009	2.04E-05	-0.0923	0	0.162
ENSP00000290583	2.31E-05	-0.0923	0	0.359
ENSP00000466214	3.57E-06	-0.0923	0	0.479
ENSP00000320076	8.54E-06	-0.0923	202	0.000
ENSP00000356849	2.68E-05	-0.0923	0	0.178
ENSP00000381428	3.65E-05	-0.0923	0	0.113
ENSP00000366243	2.14E-05	-0.0923	0	0.065
ENSP00000365884	1.52E-05	-0.0923	213	0.330
ENSP00000349929	1.92E-05	-0.0923	197	0.343
ENSP00000339659	3.09E-05	-0.0923	0	0.135
ENSP00000266754	2.25E-05	-0.0923	0	0.123
ENSP00000261593	4.13E-05	-0.0923	0	0.100
ENSP00000313350	2.19E-05	-0.0923	202	0.572
ENSP00000312615	3.85E-05	-0.0923	0	0.126
ENSP00000360181	3.13E-05	-0.0923	200	0.812
ENSP00000354158	3.25E-05	-0.0923	379	0.809
ENSP00000182527	2.07E-05	-0.0923	0	0.119
ENSP00000306548	8.87E-06	-0.0923	409	0.699
ENSP00000315554	4.70E-06	-0.0923	0	0.088
ENSP00000361795	7.25E-07	-0.0923	0	0.188
ENSP00000301905	2.28E-05	-0.0924	439	0.711
ENSP00000276052	2.46E-05	-0.0924	363	0.000
ENSP00000325421	1.59E-05	-0.0924	488	0.240
ENSP00000356602	1.98E-05	-0.0924	0	0.043
ENSP00000369647	3.43E-05	-0.0924	459	0.767
ENSP00000311766	1.03E-05	-0.0924	362	0.535
ENSP00000222982	1.74E-05	-0.0924	159	0.347
ENSP00000376071	3.50E-05	-0.0924	0	0.109
ENSP00000363136	2.20E-05	-0.0924	288	0.369
ENSP00000328938	1.91E-05	-0.0924	0	0.077
ENSP00000256442	2.59E-05	-0.0924	357	0.756
ENSP00000349955	4.77E-05	-0.0924	800	0.380
ENSP00000284031	1.80E-05	-0.0924	150	0.129
ENSP00000343199	2.58E-05	-0.0924	192	0.091
ENSP00000347045	3.07E-06	-0.0924	0	0.685

ENSP00000349773	2.23E-05	-0.0924	0	0.076
ENSP00000369402	2.05E-05	-0.0924	0	0.077
ENSP00000359160	3.87E-05	-0.0925	0	0.194
ENSP00000360184	2.61E-05	-0.0925	0	0.123
ENSP00000265981	3.59E-05	-0.0925	0	0.127
ENSP00000343000	2.28E-05	-0.0925	0	0.392
ENSP00000368314	2.94E-05	-0.0925	914	0.670
ENSP00000312988	1.21E-05	-0.0925	394	0.854
ENSP00000303437	2.17E-05	-0.0925	151	0.212
ENSP00000310520	4.52E-06	-0.0925	0	0.769
ENSP00000267116	7.12E-06	-0.0925	202	0.635
ENSP00000267984	1.68E-05	-0.0925	0	0.234
ENSP00000331720	3.07E-05	-0.0925	0	0.112
ENSP00000360776	1.81E-05	-0.0925	0	0.083
ENSP00000227322	5.98E-05	-0.0925	474	0.000
ENSP00000380054	1.94E-05	-0.0925	0	0.542
ENSP00000307340	2.28E-05	-0.0925	0	0.000
ENSP00000305742	1.80E-05	-0.0925	0	0.055
ENSP00000383909	1.86E-05	-0.0925	0	0.682
ENSP00000247170	8.08E-06	-0.0925	299	0.000
ENSP00000356265	2.03E-05	-0.0925	0	0.121
ENSP00000364219	1.84E-05	-0.0925	0	0.119
ENSP00000333837	6.35E-06	-0.0925	353	0.641
ENSP00000380073	2.09E-05	-0.0925	900	0.697
ENSP00000262067	2.16E-05	-0.0925	0	0.158
ENSP00000337618	1.68E-05	-0.0926	0	0.080
ENSP00000406482	2.75E-05	-0.0926	0	0.098
ENSP00000246421	2.55E-05	-0.0926	0	0.058
ENSP00000293350	8.34E-06	-0.0926	216	0.299
ENSP00000352655	1.56E-05	-0.0926	0	0.093
ENSP00000301141	9.60E-06	-0.0926	197	0.405
ENSP00000349783	1.79E-05	-0.0926	0	0.367
ENSP00000272233	2.45E-05	-0.0926	546	0.602
ENSP00000373472	2.57E-05	-0.0926	309	0.253
ENSP00000348020	6.63E-06	-0.0926	353	0.635
ENSP00000456743	1.30E-06	-0.0926	0	0.193
ENSP00000243644	1.05E-05	-0.0926	808	0.731
ENSP00000264914	2.07E-05	-0.0926	0	0.123
ENSP00000355809	2.21E-05	-0.0926	181	0.586
ENSP00000338348	7.26E-06	-0.0926	0	0.328
ENSP00000283131	1.05E-05	-0.0926	268	0.926
ENSP00000369380	2.63E-05	-0.0926	0	0.238
ENSP00000262445	5.34E-05	-0.0926	203	0.886
ENSP00000335592	5.67E-06	-0.0927	0	0.242
ENSP00000391404	2.31E-06	-0.0927	0	0.202
ENSP00000345341	6.54E-06	-0.0927	0	0.229

ENSP00000362460	2.34E-05	-0.0927	185	0.174
ENSP00000309477	4.49E-05	-0.0927	336	0.599
ENSP00000359339	2.25E-05	-0.0927	0	0.119
ENSP00000304923	1.02E-05	-0.0927	479	0.657
ENSP00000356919	3.12E-05	-0.0927	997	0.842
ENSP00000347714	8.21E-06	-0.0927	0	0.182
ENSP00000339813	2.33E-05	-0.0927	165	0.296
ENSP00000377280	3.01E-05	-0.0927	191	0.189
ENSP00000438244	8.80E-07	-0.0927	0	0.121
ENSP00000261207	2.96E-05	-0.0927	295	0.839
ENSP00000303909	1.38E-05	-0.0927	150	0.493
ENSP00000377665	1.74E-05	-0.0927	0	0.099
ENSP00000080059	9.04E-06	-0.0928	563	0.000
ENSP00000282486	4.05E-05	-0.0928	198	0.670
ENSP00000404503	2.82E-05	-0.0928	207	0.834
ENSP00000365522	2.23E-05	-0.0928	0	0.193
ENSP00000363824	2.66E-05	-0.0928	0	0.105
ENSP00000300119	1.45E-05	-0.0928	244	0.428
ENSP00000350215	2.64E-05	-0.0928	0	0.426
ENSP00000362711	2.14E-05	-0.0928	0	0.091
ENSP00000347560	2.18E-05	-0.0928	0	0.000
ENSP00000371790	4.02E-05	-0.0928	282	0.952
ENSP00000357880	2.71E-05	-0.0928	211	0.248
ENSP00000324020	3.82E-06	-0.0928	0	0.217
ENSP00000361043	1.58E-05	-0.0928	160	0.000
ENSP00000381104	1.67E-05	-0.0928	0	0.103
ENSP00000336587	2.28E-05	-0.0928	0	0.072
ENSP00000265997	1.71E-05	-0.0928	0	0.225
ENSP00000345333	3.47E-06	-0.0929	0	0.701
ENSP00000355747	3.88E-05	-0.0929	725	0.876
ENSP00000373476	1.62E-05	-0.0929	0	0.000
ENSP00000348578	3.38E-05	-0.0929	453	0.879
ENSP00000362590	2.55E-05	-0.0929	300	0.163
ENSP00000348108	2.78E-05	-0.0929	334	0.685
ENSP00000238789	1.12E-05	-0.0929	338	0.737
ENSP00000303710	1.67E-05	-0.0929	0	0.000
ENSP00000320709	5.68E-05	-0.0929	912	0.910
ENSP00000333946	4.82E-06	-0.0929	0	0.124
ENSP00000380310	3.07E-06	-0.0929	0	0.684
ENSP00000269848	1.08E-05	-0.0929	331	0.652
ENSP00000310749	3.72E-06	-0.0929	0	0.298
ENSP00000336931	3.07E-05	-0.0929	188	0.630
ENSP00000306410	7.65E-06	-0.0929	0	0.083
ENSP00000302108	1.54E-05	-0.0929	0	0.130
ENSP00000216797	2.12E-05	-0.0929	583	0.889
ENSP00000264344	6.67E-06	-0.0929	0	0.292

ENSP00000367355	1.12E-05	-0.0929	0	0.550
ENSP00000285947	1.69E-05	-0.0929	0	0.130
ENSP00000359292	2.21E-05	-0.0929	0	0.000
ENSP00000257765	5.71E-06	-0.0929	0	0.198
ENSP00000228865	1.90E-05	-0.0930	0	0.318
ENSP00000379654	1.91E-05	-0.0930	0	0.075
ENSP00000372459	3.02E-05	-0.0930	0	0.539
ENSP00000270861	1.02E-05	-0.0930	205	0.447
ENSP00000259870	5.24E-06	-0.0930	0	0.190
ENSP00000254846	1.01E-05	-0.0930	183	0.000
ENSP00000331044	1.84E-05	-0.0930	0	0.090
ENSP00000363852	1.97E-05	-0.0930	0	0.105
ENSP00000359474	2.38E-05	-0.0930	0	0.666
ENSP00000350170	3.62E-05	-0.0930	177	0.596
ENSP00000358363	1.69E-05	-0.0930	0	0.101
ENSP00000295628	9.99E-06	-0.0930	482	0.634
ENSP00000300651	7.05E-05	-0.0930	900	0.795
ENSP00000348050	2.20E-05	-0.0930	0	0.141
ENSP00000322242	5.88E-06	-0.0930	0	0.442
ENSP00000375767	2.28E-05	-0.0931	0	0.608
ENSP00000337405	4.79E-06	-0.0931	0	0.577
ENSP00000364493	2.82E-05	-0.0931	0	0.107
ENSP00000255194	9.50E-06	-0.0931	207	0.217
ENSP00000304111	3.38E-05	-0.0931	480	0.000
ENSP00000312618	4.87E-06	-0.0931	0	0.229
ENSP00000386213	1.82E-05	-0.0931	244	0.360
ENSP00000175506	4.25E-05	-0.0931	359	0.586
ENSP00000360626	2.22E-05	-0.0931	187	0.159
ENSP00000216267	1.02E-05	-0.0931	430	0.000
ENSP00000376615	2.13E-05	-0.0931	0	0.107
ENSP00000013034	2.28E-05	-0.0931	874	0.828
ENSP00000206380	2.18E-05	-0.0932	0	0.147
ENSP00000265723	1.29E-05	-0.0932	398	0.560
ENSP00000258494	7.72E-06	-0.0932	216	0.278
ENSP00000262709	3.29E-05	-0.0932	269	0.000
ENSP00000262244	2.05E-05	-0.0932	0	0.071
ENSP00000220531	1.75E-05	-0.0932	0	0.079
ENSP00000383851	7.97E-06	-0.0932	0	0.123
ENSP00000351141	1.32E-05	-0.0932	0	0.350
ENSP00000302707	2.26E-05	-0.0932	234	0.585
ENSP00000357389	2.06E-05	-0.0932	0	0.104
ENSP00000297632	1.48E-05	-0.0932	0	0.113
ENSP00000342513	1.92E-05	-0.0932	0	0.328
ENSP00000323516	1.41E-05	-0.0932	0	0.615
ENSP00000357683	2.56E-05	-0.0932	0	0.406
ENSP00000360597	7.05E-06	-0.0933	0	0.656

ENSP00000234677	2.94E-05	-0.0933	347	0.694
ENSP00000346959	1.55E-05	-0.0933	170	0.047
ENSP00000262901	1.25E-05	-0.0933	568	0.812
ENSP00000309124	9.22E-05	-0.0933	700	0.857
ENSP00000376544	1.63E-05	-0.0933	0	0.643
ENSP00000379051	1.56E-05	-0.0933	0	0.580
ENSP00000428331	2.30E-05	-0.0933	0	0.109
ENSP00000375881	2.37E-05	-0.0933	325	0.441
ENSP00000403524	8.67E-06	-0.0933	169	0.674
ENSP00000360231	1.49E-05	-0.0933	0	0.632
ENSP00000333122	2.06E-05	-0.0933	167	0.836
ENSP00000217958	9.88E-06	-0.0933	201	0.693
ENSP00000203001	4.73E-06	-0.0933	0	0.836
ENSP00000285814	1.51E-05	-0.0933	362	0.000
ENSP00000283109	4.69E-06	-0.0934	0	0.853
ENSP00000349168	3.59E-05	-0.0934	231	0.876
ENSP00000247005	1.72E-05	-0.0934	159	0.874
ENSP00000376800	1.29E-05	-0.0934	0	0.297
ENSP00000368623	7.04E-07	-0.0934	0	0.176
ENSP00000259708	1.20E-05	-0.0934	316	0.551
ENSP00000304895	3.39E-05	-0.0934	905	0.945
ENSP00000302216	1.77E-05	-0.0934	216	0.863
ENSP00000357836	1.97E-05	-0.0934	0	0.124
ENSP00000406463	2.21E-05	-0.0934	776	0.430
ENSP00000328858	4.29E-05	-0.0934	929	0.701
ENSP00000455607	2.79E-05	-0.0934	0	0.279
ENSP00000302120	1.54E-05	-0.0934	0	0.332
ENSP00000355217	3.43E-05	-0.0935	227	0.167
ENSP00000386520	3.12E-05	-0.0935	238	0.923
ENSP00000244051	1.30E-05	-0.0935	496	0.426
ENSP00000443459	3.30E-05	-0.0935	254	0.458
ENSP00000359222	1.73E-05	-0.0935	0	0.131
ENSP00000323439	4.08E-06	-0.0935	0	0.771
ENSP00000359890	2.59E-05	-0.0935	152	0.389
ENSP00000272117	1.64E-05	-0.0935	0	0.228
ENSP00000316137	5.67E-08	-0.0935	0	0.000
ENSP00000355306	1.86E-05	-0.0935	0	0.142
ENSP00000376436	3.19E-05	-0.0935	836	0.868
ENSP00000300584	3.58E-06	-0.0935	0	0.182
ENSP00000243298	3.45E-06	-0.0935	0	0.186
ENSP00000356795	1.58E-05	-0.0936	218	0.857
ENSP00000347198	1.25E-05	-0.0936	0	0.314
ENSP00000220058	1.76E-05	-0.0936	317	0.603
ENSP00000282570	8.49E-06	-0.0936	0	0.151
ENSP00000262942	5.33E-05	-0.0936	382	0.698
ENSP00000361162	2.81E-05	-0.0936	218	0.279

ENSP00000349098	3.48E-06	-0.0936	0	0.715
ENSP00000237380	9.11E-05	-0.0936	397	0.735
ENSP00000350681	1.44E-05	-0.0936	0	0.745
ENSP00000253083	1.75E-05	-0.0936	359	0.350
ENSP00000401363	1.21E-05	-0.0936	0	0.970
ENSP00000379168	3.18E-06	-0.0936	0	0.692
ENSP00000352497	2.48E-05	-0.0936	0	0.094
ENSP00000369339	2.29E-05	-0.0936	300	0.310
ENSP00000302578	2.11E-05	-0.0936	0	0.103
ENSP00000376889	4.43E-05	-0.0936	846	0.767
ENSP00000387435	1.58E-05	-0.0936	311	0.530
ENSP00000356468	1.31E-05	-0.0937	0	0.535
ENSP00000341681	9.77E-06	-0.0937	0	0.066
ENSP00000362166	3.39E-05	-0.0937	167	0.842
ENSP00000310006	1.30E-05	-0.0937	198	0.689
ENSP00000384312	1.27E-05	-0.0937	0	0.089
ENSP00000229416	6.60E-05	-0.0937	905	0.548
ENSP00000318607	2.38E-05	-0.0937	0	0.156
ENSP00000382083	2.07E-05	-0.0937	208	0.446
ENSP00000327975	1.21E-05	-0.0937	0	0.198
ENSP00000258654	9.18E-06	-0.0937	0	0.173
ENSP00000274192	1.67E-05	-0.0937	0	0.188
ENSP00000291565	7.84E-05	-0.0937	488	0.559
ENSP00000368341	1.76E-05	-0.0937	0	0.343
ENSP00000311196	1.42E-05	-0.0937	0	0.424
ENSP00000221561	4.07E-05	-0.0937	273	0.825
ENSP00000355089	1.15E-05	-0.0937	0	0.303
ENSP00000242719	5.20E-06	-0.0937	0	0.520
ENSP00000351811	1.72E-05	-0.0937	0	0.595
ENSP00000352575	1.70E-05	-0.0937	165	0.660
ENSP00000247271	1.04E-05	-0.0938	151	0.803
ENSP00000333298	4.42E-05	-0.0938	509	0.659
ENSP00000359539	1.90E-05	-0.0938	866	0.391
ENSP00000170168	1.28E-05	-0.0938	205	0.806
ENSP00000366466	2.36E-05	-0.0938	242	0.698
ENSP00000351605	2.32E-05	-0.0938	158	0.906
ENSP00000365159	1.08E-05	-0.0938	398	0.179
ENSP00000381109	4.03E-06	-0.0938	0	0.209
ENSP00000345292	1.36E-05	-0.0938	0	0.073
ENSP00000419425	6.50E-05	-0.0938	733	0.809
ENSP00000298130	1.65E-05	-0.0938	0	0.076
ENSP00000366173	3.76E-06	-0.0938	0	0.162
ENSP00000354633	1.41E-05	-0.0938	0	0.804
ENSP00000388311	3.63E-06	-0.0938	0	0.696
ENSP00000362773	1.58E-05	-0.0938	309	0.491
ENSP00000321239	1.17E-05	-0.0938	305	0.501



ENSP00000269576	5.87E-05	-0.0939	266	0.666
ENSP00000308080	9.48E-06	-0.0939	0	0.000
ENSP00000308022	9.80E-06	-0.0939	368	0.000
ENSP00000264027	8.64E-06	-0.0939	163	0.406
ENSP00000377995	2.18E-05	-0.0939	0	0.130
ENSP00000294635	6.32E-06	-0.0939	0	0.663
ENSP00000361522	2.70E-05	-0.0939	0	0.206
ENSP00000371200	4.44E-06	-0.0939	0	0.090
ENSP00000355204	1.32E-05	-0.0939	0	0.119
ENSP00000362360	3.07E-06	-0.0939	0	0.000
ENSP00000358605	1.60E-05	-0.0939	0	0.738
ENSP00000270223	8.88E-06	-0.0939	195	0.559
ENSP00000355556	1.60E-05	-0.0940	0	0.434
ENSP00000305422	9.39E-05	-0.0940	349	0.887
ENSP00000355656	1.14E-05	-0.0940	158	0.991
ENSP00000368538	1.14E-05	-0.0940	197	0.852
ENSP00000263610	1.92E-05	-0.0940	0	0.684
ENSP00000252029	7.46E-05	-0.0940	361	0.585
ENSP00000222803	1.34E-05	-0.0940	260	0.398
ENSP00000300176	7.33E-06	-0.0940	0	0.128
ENSP00000332389	5.44E-06	-0.0941	0	0.142
ENSP00000364986	1.10E-05	-0.0941	0	0.142
ENSP00000383168	1.99E-05	-0.0941	333	0.652
ENSP00000283646	3.47E-05	-0.0941	300	0.610
ENSP00000313731	6.63E-06	-0.0941	0	0.000
ENSP00000318868	1.83E-05	-0.0941	847	0.646
ENSP00000394623	7.24E-06	-0.0941	0	0.229
ENSP00000346065	1.08E-05	-0.0941	0	0.521
ENSP00000262133	4.14E-05	-0.0941	296	0.823
ENSP00000311962	4.59E-06	-0.0942	0	0.166
ENSP00000315173	1.21E-05	-0.0942	606	0.694
ENSP00000370616	1.60E-05	-0.0942	165	0.430
ENSP00000334538	1.58E-05	-0.0942	0	0.867
ENSP00000369871	1.37E-05	-0.0942	0	0.134
ENSP00000370256	3.73E-05	-0.0942	191	0.000
ENSP00000357069	1.33E-05	-0.0942	0	0.089
ENSP00000279147	1.46E-05	-0.0942	0	0.099
ENSP00000306817	1.55E-05	-0.0942	150	0.262
ENSP00000371376	1.09E-05	-0.0942	282	0.800
ENSP00000294753	1.63E-05	-0.0942	224	0.695
ENSP00000366225	1.05E-05	-0.0943	0	0.218
ENSP00000362207	1.85E-05	-0.0943	608	0.112
ENSP00000274680	8.18E-06	-0.0943	388	0.653
ENSP00000331745	2.20E-05	-0.0943	194	0.869
ENSP00000301019	6.02E-06	-0.0943	0	0.621
ENSP00000356623	1.73E-05	-0.0943	0	0.699

ENSP00000323858	7.08E-06	-0.0943	0	0.903
ENSP00000366482	1.96E-05	-0.0943	283	0.630
ENSP00000304429	5.41E-06	-0.0943	0	0.125
ENSP00000262873	1.34E-05	-0.0943	434	0.479
ENSP00000367893	1.26E-05	-0.0943	0	0.228
ENSP00000266058	6.05E-06	-0.0943	163	0.824
ENSP00000312224	1.38E-05	-0.0943	0	0.140
ENSP00000344215	2.13E-05	-0.0943	0	0.705
ENSP00000362217	1.09E-05	-0.0943	0	0.785
ENSP00000225577	1.85E-05	-0.0943	874	0.000
ENSP00000419494	2.43E-05	-0.0943	566	0.711
ENSP00000362314	2.07E-05	-0.0943	375	0.706
ENSP00000356125	1.61E-05	-0.0944	0	0.500
ENSP00000327070	1.23E-05	-0.0944	356	0.508
ENSP00000342295	7.56E-06	-0.0944	202	0.618
ENSP00000345024	5.58E-06	-0.0944	271	0.723
ENSP00000367096	1.19E-05	-0.0944	0	0.074
ENSP00000337459	3.84E-05	-0.0944	856	0.891
ENSP00000279027	5.43E-06	-0.0944	0	0.072
ENSP00000363414	1.79E-05	-0.0944	0	0.083
ENSP00000294053	1.03E-05	-0.0944	964	0.684
ENSP00000317686	1.18E-05	-0.0945	197	0.781
ENSP00000294485	2.08E-05	-0.0945	0	0.129
ENSP00000352956	2.59E-05	-0.0945	221	0.805
ENSP00000296802	3.93E-06	-0.0945	0	0.904
ENSP00000320768	5.21E-05	-0.0945	185	0.820
ENSP00000328875	1.88E-05	-0.0945	0	0.077
ENSP00000304286	9.93E-06	-0.0945	319	0.000
ENSP00000346139	1.03E-05	-0.0945	0	0.097
ENSP00000308937	1.11E-05	-0.0946	163	0.359
ENSP00000340954	2.24E-05	-0.0946	760	0.646
ENSP00000263974	9.76E-06	-0.0946	0	0.845
ENSP00000230671	1.23E-05	-0.0946	0	0.467
ENSP00000393725	8.69E-06	-0.0946	250	0.734
ENSP00000350297	4.69E-05	-0.0946	263	0.391
ENSP00000362690	2.72E-05	-0.0946	206	0.865
ENSP00000251757	1.69E-05	-0.0946	0	0.000
ENSP00000262493	1.37E-05	-0.0946	508	0.652
ENSP00000356425	1.41E-05	-0.0946	318	0.553
ENSP00000357624	2.86E-05	-0.0946	817	0.000
ENSP00000288666	1.08E-05	-0.0946	176	0.000
ENSP00000360222	1.85E-05	-0.0946	0	0.080
ENSP00000238156	7.67E-05	-0.0946	0	0.132
ENSP00000379144	2.12E-05	-0.0946	0	0.573
ENSP00000342021	4.56E-06	-0.0946	0	0.000
ENSP00000359290	5.89E-05	-0.0946	290	0.757

ENSP00000381066	1.63E-05	-0.0947	210	0.856
ENSP00000284811	5.71E-06	-0.0947	0	0.687
ENSP00000364246	1.33E-05	-0.0947	296	0.194
ENSP00000228318	1.02E-05	-0.0947	154	0.283
ENSP00000384048	2.38E-05	-0.0947	333	0.863
ENSP00000318177	8.81E-05	-0.0947	270	0.647
ENSP00000352738	3.82E-05	-0.0947	364	0.856
ENSP00000348538	1.67E-05	-0.0947	0	0.515
ENSP00000361625	1.34E-05	-0.0947	0	0.040
ENSP00000383303	1.63E-05	-0.0947	0	0.373
ENSP00000322427	9.43E-06	-0.0948	189	0.696
ENSP00000306425	1.44E-05	-0.0948	208	0.259
ENSP00000283628	2.54E-05	-0.0948	0	0.623
ENSP00000359990	8.70E-06	-0.0948	214	0.527
ENSP00000262643	3.85E-05	-0.0948	270	0.797
ENSP00000369989	1.17E-05	-0.0949	0	0.217
ENSP00000269033	1.52E-05	-0.0949	257	0.665
ENSP00000331462	1.35E-05	-0.0949	588	0.777
ENSP00000360320	1.05E-05	-0.0949	0	0.000
ENSP00000369860	3.26E-05	-0.0949	413	0.130
ENSP00000348206	2.07E-05	-0.0949	0	0.000
ENSP00000280155	2.20E-05	-0.0949	407	0.571
ENSP00000364609	1.37E-05	-0.0949	512	0.067
ENSP00000365745	3.21E-05	-0.0949	444	0.817
ENSP00000261722	3.91E-06	-0.0949	0	0.205
ENSP00000351250	3.89E-05	-0.0949	325	0.846
ENSP00000382423	2.52E-05	-0.0950	263	0.854
ENSP00000305919	9.28E-06	-0.0950	340	0.387
ENSP00000302239	1.02E-05	-0.0950	223	0.402
ENSP00000215555	5.37E-05	-0.0950	214	0.400
ENSP00000370803	2.01E-05	-0.0950	407	0.128
ENSP00000354850	1.27E-05	-0.0950	0	0.485
ENSP00000399518	1.15E-05	-0.0950	151	0.800
ENSP00000326042	3.03E-05	-0.0950	328	0.643
ENSP00000251473	6.25E-06	-0.0950	0	0.000
ENSP00000349696	2.75E-05	-0.0950	183	0.154
ENSP00000341344	6.42E-06	-0.0950	156	0.213
ENSP00000330658	1.15E-04	-0.0950	349	0.622
ENSP00000304401	1.29E-05	-0.0950	0	0.194
ENSP00000337008	8.91E-06	-0.0951	150	0.666
ENSP00000234038	1.12E-05	-0.0951	498	0.470
ENSP00000357622	1.11E-05	-0.0951	0	0.790
ENSP00000348527	1.97E-05	-0.0951	0	0.275
ENSP00000345719	1.64E-05	-0.0951	208	0.395
ENSP00000314480	6.93E-06	-0.0951	0	0.807
ENSP00000212015	1.63E-05	-0.0952	877	0.784

ENSP00000336894	1.88E-05	-0.0952	0	0.685
ENSP00000355343	1.73E-05	-0.0952	0	0.197
ENSP00000294339	4.12E-05	-0.0952	228	0.851
ENSP00000384160	2.84E-05	-0.0952	0	0.116
ENSP00000347005	2.11E-05	-0.0952	481	0.000
ENSP00000380747	1.16E-05	-0.0952	0	0.071
ENSP00000216923	8.65E-06	-0.0952	177	0.772
ENSP00000320797	1.39E-05	-0.0952	192	0.440
ENSP00000292408	1.74E-05	-0.0952	216	0.685
ENSP00000335042	4.62E-06	-0.0952	0	0.695
ENSP00000267328	5.09E-06	-0.0952	0	0.222
ENSP00000362979	8.82E-06	-0.0952	0	0.692
ENSP00000290810	1.48E-05	-0.0952	266	0.497
ENSP00000376822	8.86E-06	-0.0953	181	0.118
ENSP00000359356	9.99E-06	-0.0953	0	0.161
ENSP00000255324	5.40E-06	-0.0953	0	0.178
ENSP00000333802	4.51E-06	-0.0953	0	0.702
ENSP00000337555	4.74E-06	-0.0953	0	0.696
ENSP00000371230	4.26E-05	-0.0953	206	0.437
ENSP00000357982	3.10E-05	-0.0953	359	0.785
ENSP00000470965	2.85E-06	-0.0954	0	0.000
ENSP00000266659	1.60E-05	-0.0954	0	0.136
ENSP00000332274	1.72E-05	-0.0954	0	0.090
ENSP00000425257	2.07E-06	-0.0954	0	0.000
ENSP00000382779	2.34E-05	-0.0954	416	0.218
ENSP00000329365	4.67E-06	-0.0954	0	0.000
ENSP00000358794	2.64E-05	-0.0954	0	0.180
ENSP00000350071	1.59E-05	-0.0954	163	0.224
ENSP00000216160	2.68E-05	-0.0954	348	0.835
ENSP00000371362	1.11E-05	-0.0954	0	0.000
ENSP00000358862	1.17E-05	-0.0954	0	0.800
ENSP00000385083	1.28E-05	-0.0955	0	0.090
ENSP00000259569	4.20E-05	-0.0955	320	0.809
ENSP00000348298	1.02E-05	-0.0955	186	0.682
ENSP00000324025	9.68E-06	-0.0955	0	0.126
ENSP00000355929	1.94E-05	-0.0955	157	0.691
ENSP00000464743	6.87E-06	-0.0955	0	0.000
ENSP00000350369	6.49E-06	-0.0955	0	0.659
ENSP00000373864	2.13E-05	-0.0955	207	0.815
ENSP00000369755	1.02E-05	-0.0955	0	0.179
ENSP00000373594	4.22E-06	-0.0955	0	0.000
ENSP00000320147	4.13E-05	-0.0955	325	0.810
ENSP00000303508	6.33E-06	-0.0955	0	0.086
ENSP00000294383	5.31E-06	-0.0956	0	0.379
ENSP00000307697	5.92E-06	-0.0956	0	0.414
ENSP00000362918	1.56E-05	-0.0956	226	0.401

ENSP00000350198	1.47E-05	-0.0956	227	0.704
ENSP00000362013	2.12E-05	-0.0956	0	0.586
ENSP00000362637	1.62E-05	-0.0956	0	0.154
ENSP00000377504	3.73E-06	-0.0956	0	0.686
ENSP00000375975	1.40E-05	-0.0956	0	0.156
ENSP00000359606	1.78E-05	-0.0956	0	0.594
ENSP00000284268	1.20E-04	-0.0956	206	0.712
ENSP00000261647	1.12E-05	-0.0956	316	0.491
ENSP00000257068	1.40E-05	-0.0956	304	0.688
ENSP00000360473	2.29E-05	-0.0956	277	0.499
ENSP00000321812	4.73E-06	-0.0956	0	0.697
ENSP00000376139	2.29E-05	-0.0956	0	0.176
ENSP00000346440	2.70E-05	-0.0956	240	0.870
ENSP00000348886	1.00E-05	-0.0957	689	0.331
ENSP00000247668	6.01E-05	-0.0957	409	0.765
ENSP00000370408	2.76E-05	-0.0957	181	0.887
ENSP00000306163	8.29E-06	-0.0957	202	0.741
ENSP00000322899	4.74E-06	-0.0957	0	0.700
ENSP00000340132	4.42E-06	-0.0957	0	0.697
ENSP00000279463	1.01E-05	-0.0957	0	0.660
ENSP00000322265	4.72E-06	-0.0957	0	0.697
ENSP00000358903	2.66E-05	-0.0957	242	0.772
ENSP00000403476	5.61E-06	-0.0957	0	0.187
ENSP00000274026	3.09E-05	-0.0957	313	0.764
ENSP00000336799	3.37E-05	-0.0957	335	0.662
ENSP00000384823	1.15E-05	-0.0958	0	0.464
ENSP00000360157	1.62E-05	-0.0958	159	0.000
ENSP00000380087	3.51E-06	-0.0958	0	0.685
ENSP00000341165	4.28E-06	-0.0958	0	0.692
ENSP00000375736	2.12E-05	-0.0958	849	0.000
ENSP00000340347	2.37E-05	-0.0958	354	0.860
ENSP00000350708	4.88E-05	-0.0958	286	0.793
ENSP00000358092	1.97E-05	-0.0958	215	0.853
ENSP00000272091	8.03E-05	-0.0958	509	0.417
ENSP00000340684	1.71E-05	-0.0959	439	0.000
ENSP00000265372	2.28E-05	-0.0959	226	0.897
ENSP00000352627	8.23E-06	-0.0959	0	0.996
ENSP00000382595	1.26E-05	-0.0959	243	0.607
ENSP00000365019	3.10E-05	-0.0959	349	0.466
ENSP00000401477	3.53E-06	-0.0959	0	0.115
ENSP00000253339	1.18E-05	-0.0959	490	0.676
ENSP00000341882	1.17E-05	-0.0959	195	0.424
ENSP00000269740	2.69E-06	-0.0959	0	0.000
ENSP00000386653	4.96E-06	-0.0959	0	0.000
ENSP00000363970	2.82E-05	-0.0959	786	0.601
ENSP00000300134	3.54E-05	-0.0959	871	0.939

ENSP00000266987	1.11E-05	-0.0960	0	0.672
ENSP00000313443	4.77E-06	-0.0960	0	0.697
ENSP00000311221	2.36E-05	-0.0960	0	0.152
ENSP00000331313	6.76E-06	-0.0960	0	0.598
ENSP00000362850	3.59E-06	-0.0960	0	0.000
ENSP00000365130	1.89E-05	-0.0960	159	0.754
ENSP00000003100	5.59E-05	-0.0960	242	0.487
ENSP00000360500	1.37E-05	-0.0960	0	0.348
ENSP00000388864	3.61E-06	-0.0960	0	0.689
ENSP00000345102	4.12E-06	-0.0960	0	0.196
ENSP00000258341	9.03E-05	-0.0960	319	0.539
ENSP00000373713	3.19E-05	-0.0960	575	0.198
ENSP00000347169	2.33E-05	-0.0960	586	0.900
ENSP00000370340	1.86E-05	-0.0960	0	0.757
ENSP00000288466	1.75E-05	-0.0960	0	0.135
ENSP00000287538	1.21E-05	-0.0961	159	0.848
ENSP00000356146	1.73E-05	-0.0961	270	0.596
ENSP00000352802	3.23E-05	-0.0961	195	0.484
ENSP00000354649	8.09E-06	-0.0961	174	0.084
ENSP00000315870	4.76E-06	-0.0961	0	0.698
ENSP00000351052	6.03E-06	-0.0961	0	0.116
ENSP00000351552	1.80E-05	-0.0961	0	0.733
ENSP00000308332	3.91E-06	-0.0961	0	0.803
ENSP00000261366	3.11E-05	-0.0961	591	0.716
ENSP00000351684	1.30E-05	-0.0961	0	0.095
ENSP00000222139	3.63E-05	-0.0961	282	0.922
ENSP00000343443	1.51E-05	-0.0961	167	0.669
ENSP00000355777	1.71E-05	-0.0961	0	0.059
ENSP00000406407	2.02E-05	-0.0962	153	0.000
ENSP00000400036	5.13E-06	-0.0962	0	0.000
ENSP00000316426	9.07E-06	-0.0962	0	0.000
ENSP00000282499	2.27E-05	-0.0962	197	0.438
ENSP00000331748	4.09E-06	-0.0962	0	0.235
ENSP00000333980	4.56E-06	-0.0962	0	0.699
ENSP00000333640	1.19E-05	-0.0962	0	0.841
ENSP00000364448	1.79E-05	-0.0962	205	0.835
ENSP00000360166	1.45E-05	-0.0962	0	0.000
ENSP00000012134	8.49E-06	-0.0962	195	0.769
ENSP00000306894	3.62E-05	-0.0962	342	0.880
ENSP00000361229	1.31E-05	-0.0962	0	0.126
ENSP00000309330	4.80E-06	-0.0962	0	0.697
ENSP00000303373	8.09E-06	-0.0962	0	0.992
ENSP00000288943	4.98E-06	-0.0962	0	0.718
ENSP00000016946	6.09E-06	-0.0962	179	0.711
ENSP00000355924	1.91E-05	-0.0962	244	0.924
ENSP00000316357	1.16E-05	-0.0962	220	0.545

ENSP00000328251	4.42E-05	-0.0962	325	0.835
ENSP00000353415	3.23E-05	-0.0963	901	0.660
ENSP00000348708	2.03E-05	-0.0963	195	0.832
ENSP00000350278	8.19E-06	-0.0963	0	0.064
ENSP00000305288	1.80E-05	-0.0963	0	0.174
ENSP00000355536	1.82E-05	-0.0963	262	0.257
ENSP00000346300	2.22E-05	-0.0963	175	0.896
ENSP00000337463	9.49E-06	-0.0963	300	0.325
ENSP00000351650	2.28E-05	-0.0963	0	0.000
ENSP00000305221	6.55E-06	-0.0963	0	0.164
ENSP00000299798	8.89E-06	-0.0963	0	0.167
ENSP00000384490	1.04E-05	-0.0963	0	0.806
ENSP00000316589	5.19E-06	-0.0964	0	0.179
ENSP00000464833	1.70E-07	-0.0964	0	0.000
ENSP00000324056	4.65E-06	-0.0964	0	0.694
ENSP00000458238	3.18E-05	-0.0964	226	0.000
ENSP00000374185	4.61E-06	-0.0964	0	0.679
ENSP00000363135	1.62E-05	-0.0964	155	0.075
ENSP00000377428	1.98E-05	-0.0964	0	0.000
ENSP00000339957	7.01E-06	-0.0964	0	0.319
ENSP00000378504	2.02E-05	-0.0965	237	0.750
ENSP00000282286	1.00E-05	-0.0965	806	0.679
ENSP00000257745	2.44E-05	-0.0965	516	0.000
ENSP00000258761	1.58E-04	-0.0965	157	0.271
ENSP00000300151	7.55E-06	-0.0965	388	0.762
ENSP00000364519	2.15E-05	-0.0965	163	0.794
ENSP00000327718	1.57E-05	-0.0965	0	0.139
ENSP00000382584	1.04E-06	-0.0965	0	0.178
ENSP00000339115	8.92E-06	-0.0965	202	0.690
ENSP00000371432	2.10E-05	-0.0965	167	0.000
ENSP00000314441	1.84E-05	-0.0965	208	0.796
ENSP00000334308	1.99E-05	-0.0965	338	0.400
ENSP00000216241	6.08E-06	-0.0965	0	0.669
ENSP00000290418	2.27E-05	-0.0965	0	0.194
ENSP00000358081	4.82E-05	-0.0965	586	0.591
ENSP00000328708	4.70E-06	-0.0966	0	0.491
ENSP00000383516	1.90E-05	-0.0966	169	0.863
ENSP00000377390	8.83E-06	-0.0966	0	0.331
ENSP00000265382	3.51E-06	-0.0966	0	0.439
ENSP00000275364	1.24E-05	-0.0966	508	0.647
ENSP00000352252	1.97E-05	-0.0966	837	0.939
ENSP00000392466	2.38E-05	-0.0966	240	0.785
ENSP00000342385	9.61E-05	-0.0966	824	0.761
ENSP00000356641	1.81E-05	-0.0966	527	0.441
ENSP00000230340	3.30E-06	-0.0966	0	0.891
ENSP00000399753	1.73E-05	-0.0966	238	0.000

ENSP00000323148	1.64E-05	-0.0966	165	0.723
ENSP00000351333	1.27E-05	-0.0966	0	0.173
ENSP00000364840	1.48E-05	-0.0966	165	0.155
ENSP00000380414	1.50E-05	-0.0966	0	0.751
ENSP00000359151	2.10E-05	-0.0966	328	0.536
ENSP00000405987	9.09E-06	-0.0966	203	0.667
ENSP00000339726	5.22E-06	-0.0966	0	0.000
ENSP00000387286	3.82E-05	-0.0966	507	0.300
ENSP00000222270	1.08E-05	-0.0967	244	0.000
ENSP00000352678	1.37E-05	-0.0967	0	0.646
ENSP00000305255	8.19E-06	-0.0967	0	0.208
ENSP00000341151	8.66E-06	-0.0967	340	0.700
ENSP00000299300	1.95E-05	-0.0967	776	0.722
ENSP00000353878	4.98E-05	-0.0967	554	0.923
ENSP00000401947	3.69E-06	-0.0967	0	0.000
ENSP00000354033	8.90E-06	-0.0967	0	0.000
ENSP00000375822	3.75E-06	-0.0967	0	0.687
ENSP00000347153	6.66E-06	-0.0967	0	0.000
ENSP00000225396	1.36E-05	-0.0967	368	0.000
ENSP00000359506	2.59E-05	-0.0967	299	0.614
ENSP00000353564	9.39E-06	-0.0968	0	0.000
ENSP00000325819	4.67E-05	-0.0968	213	0.871
ENSP00000033079	1.78E-05	-0.0968	0	0.354
ENSP00000356859	2.16E-05	-0.0968	215	0.166
ENSP00000314556	9.18E-06	-0.0968	201	0.573
ENSP00000350261	9.38E-06	-0.0968	0	0.000
ENSP00000339585	4.53E-06	-0.0968	0	0.682
ENSP00000333660	4.53E-06	-0.0968	0	0.694
ENSP00000298283	8.11E-06	-0.0968	430	0.751
ENSP00000367299	8.54E-06	-0.0968	0	0.097
ENSP00000287322	7.09E-05	-0.0968	564	0.663
ENSP00000302485	1.41E-05	-0.0968	478	0.611
ENSP00000225719	2.52E-04	-0.0968	543	0.085
ENSP00000341785	7.80E-05	-0.0968	398	0.667
ENSP00000362650	1.50E-05	-0.0969	165	0.236
ENSP00000293771	5.35E-06	-0.0969	0	0.716
ENSP00000262435	1.14E-05	-0.0969	263	0.745
ENSP00000380876	1.40E-05	-0.0969	263	0.396
ENSP00000263574	5.32E-05	-0.0969	361	0.769
ENSP00000290759	7.15E-06	-0.0969	0	0.808
ENSP00000361463	5.24E-06	-0.0969	0	0.000
ENSP00000351631	1.14E-05	-0.0969	0	0.175
ENSP00000316729	2.36E-05	-0.0969	389	0.593
ENSP00000358799	2.41E-05	-0.0969	487	0.524
ENSP00000375107	5.98E-06	-0.0969	0	0.157
ENSP00000329738	4.58E-06	-0.0969	0	0.688



ENSP00000256001	1.27E-05	-0.0969	316	0.667
ENSP00000317125	4.67E-06	-0.0969	0	0.694
ENSP00000356989	2.36E-05	-0.0970	189	0.385
ENSP00000371689	1.44E-05	-0.0970	0	0.094
ENSP00000242104	7.50E-06	-0.0970	211	0.000
ENSP00000333595	4.47E-06	-0.0970	0	0.000
ENSP00000357887	2.33E-05	-0.0970	423	0.877
ENSP00000315713	1.65E-05	-0.0970	185	0.689
ENSP00000261465	4.11E-05	-0.0970	634	0.457
ENSP00000321679	7.89E-06	-0.0970	202	0.660
ENSP00000363071	1.96E-05	-0.0970	900	0.283
ENSP00000248673	7.16E-05	-0.0970	361	0.000
ENSP00000331540	4.78E-06	-0.0971	0	0.698
ENSP00000364946	1.32E-05	-0.0971	213	0.774
ENSP00000366410	2.24E-05	-0.0971	252	0.466
ENSP00000442308	2.60E-05	-0.0971	266	0.815
ENSP00000380293	3.50E-06	-0.0971	0	0.693
ENSP00000398637	4.07E-06	-0.0971	0	0.156
ENSP00000381148	2.49E-05	-0.0971	511	0.447
ENSP00000302478	4.79E-06	-0.0971	0	0.794
ENSP00000376306	8.40E-06	-0.0971	0	0.223
ENSP00000317872	1.20E-05	-0.0971	0	0.486
ENSP00000325002	6.46E-06	-0.0972	171	0.189
ENSP00000340841	4.41E-06	-0.0972	0	0.698
ENSP00000358158	6.76E-06	-0.0972	0	0.988
ENSP00000357873	6.23E-06	-0.0972	0	0.306
ENSP00000264731	2.76E-05	-0.0972	364	0.879
ENSP00000354995	2.89E-05	-0.0972	811	0.667
ENSP00000344393	1.84E-05	-0.0972	359	0.795
ENSP00000354681	3.20E-05	-0.0972	670	0.464
ENSP00000327959	8.92E-06	-0.0972	0	0.764
ENSP00000282282	4.98E-06	-0.0972	0	0.697
ENSP00000320246	5.21E-06	-0.0972	0	0.210
ENSP00000345848	1.26E-05	-0.0973	0	0.479
ENSP00000348216	4.33E-06	-0.0973	0	0.247
ENSP00000381740	2.03E-05	-0.0973	204	0.641
ENSP00000332643	1.09E-05	-0.0973	204	0.511
ENSP00000298910	2.58E-05	-0.0973	845	0.663
ENSP00000230859	1.23E-05	-0.0973	178	0.830
ENSP00000366875	3.32E-06	-0.0973	0	0.216
ENSP00000262630	1.26E-05	-0.0973	354	0.823
ENSP00000252071	1.21E-05	-0.0974	316	0.667
ENSP00000379836	1.07E-05	-0.0974	0	0.094
ENSP00000293471	4.69E-06	-0.0974	0	0.694
ENSP00000250896	1.22E-04	-0.0974	198	0.616
ENSP00000349131	3.16E-05	-0.0974	302	0.288

ENSP00000339314	4.54E-06	-0.0974	0	0.699
ENSP00000348510	1.33E-05	-0.0974	0	0.767
ENSP00000259806	7.61E-06	-0.0974	204	0.000
ENSP00000260970	1.02E-05	-0.0974	531	0.686
ENSP00000379042	1.22E-05	-0.0975	621	0.000
ENSP00000458149	2.88E-05	-0.0975	301	0.000
ENSP00000262554	9.63E-06	-0.0975	238	0.395
ENSP00000299267	5.83E-06	-0.0975	0	0.561
ENSP00000374332	1.57E-05	-0.0975	193	0.333
ENSP00000267197	1.14E-05	-0.0975	244	0.928
ENSP00000446121	1.51E-05	-0.0975	211	0.217
ENSP00000308315	6.91E-06	-0.0975	0	0.643
ENSP00000256447	1.24E-05	-0.0975	293	0.681
ENSP00000320096	4.66E-06	-0.0975	0	0.698
ENSP00000447803	3.81E-05	-0.0975	845	0.878
ENSP00000355568	1.37E-05	-0.0975	0	0.489
ENSP00000298743	1.10E-04	-0.0975	193	0.812
ENSP00000264157	6.63E-06	-0.0976	0	0.783
ENSP00000278193	8.27E-05	-0.0976	254	0.219
ENSP00000202788	1.34E-04	-0.0976	208	0.000
ENSP00000280258	1.62E-04	-0.0976	237	0.101
ENSP00000407724	2.15E-05	-0.0976	302	0.679
ENSP00000298510	2.04E-05	-0.0976	512	0.780
ENSP00000281741	7.24E-06	-0.0976	355	0.503
ENSP00000254322	3.64E-05	-0.0976	955	0.779
ENSP00000380351	3.03E-06	-0.0976	0	0.683
ENSP00000254231	2.38E-05	-0.0976	302	0.726
ENSP00000310472	4.65E-06	-0.0976	0	0.692
ENSP00000286398	3.42E-06	-0.0976	0	0.771
ENSP00000349576	8.10E-06	-0.0976	0	0.281
ENSP00000322270	1.01E-05	-0.0977	0	0.000
ENSP00000264995	7.66E-06	-0.0977	371	0.825
ENSP00000339918	6.18E-06	-0.0977	0	0.655
ENSP00000380254	1.06E-06	-0.0977	0	0.000
ENSP00000264255	8.39E-06	-0.0977	355	0.510
ENSP00000289788	4.86E-06	-0.0977	0	0.700
ENSP00000256383	3.06E-05	-0.0977	636	0.775
ENSP00000381272	9.71E-06	-0.0977	0	0.182
ENSP00000355208	7.09E-06	-0.0977	0	0.000
ENSP00000376534	2.57E-05	-0.0977	246	0.927
ENSP00000303766	9.65E-06	-0.0977	340	0.360
ENSP00000361544	1.42E-05	-0.0977	0	0.376
ENSP00000341524	6.18E-06	-0.0977	0	0.456
ENSP00000318690	5.06E-06	-0.0977	0	0.112
ENSP00000360871	1.93E-05	-0.0977	440	0.163
ENSP00000240185	3.52E-05	-0.0977	412	0.808

ENSP00000246041	1.66E-05	-0.0977	0	0.139
ENSP00000261200	9.10E-06	-0.0977	160	0.359
ENSP00000354451	3.71E-05	-0.0977	292	0.351
ENSP00000246062	1.24E-05	-0.0977	757	0.803
ENSP00000357402	3.99E-06	-0.0978	0	0.129
ENSP00000231021	1.47E-05	-0.0978	0	0.133
ENSP00000217964	1.50E-05	-0.0978	903	0.749
ENSP00000301838	4.12E-05	-0.0978	236	0.857
ENSP00000299194	6.22E-06	-0.0978	0	0.658
ENSP00000359976	1.67E-05	-0.0978	812	0.330
ENSP00000237289	4.35E-05	-0.0978	241	0.856
ENSP00000368414	1.22E-05	-0.0978	0	0.107
ENSP00000397435	1.60E-05	-0.0978	192	0.657
ENSP00000428541	3.77E-06	-0.0978	0	0.145
ENSP00000288207	1.59E-05	-0.0979	191	0.685
ENSP00000257430	1.39E-05	-0.0979	167	0.820
ENSP00000353073	1.60E-05	-0.0979	158	0.000
ENSP00000287380	9.38E-05	-0.0979	242	0.000
ENSP00000354911	1.47E-05	-0.0979	0	0.291
ENSP00000376910	5.41E-06	-0.0979	0	0.489
ENSP00000417517	2.66E-05	-0.0979	329	0.000
ENSP00000373700	3.89E-05	-0.0979	309	0.944
ENSP00000356567	3.88E-06	-0.0979	0	0.100
ENSP00000362010	2.12E-05	-0.0979	489	0.561
ENSP00000075120	2.83E-05	-0.0979	179	0.488
ENSP00000246529	5.28E-06	-0.0979	0	0.655
ENSP00000270014	4.67E-06	-0.0979	0	0.698
ENSP00000264709	7.64E-06	-0.0980	163	0.769
ENSP00000380941	1.86E-06	-0.0980	0	0.000
ENSP00000416892	2.00E-05	-0.0980	211	0.621
ENSP00000328494	3.82E-06	-0.0980	0	0.233
ENSP00000371634	1.19E-05	-0.0980	163	0.598
ENSP00000360922	2.44E-05	-0.0980	348	0.835
ENSP00000302896	7.68E-06	-0.0980	450	0.865
ENSP00000276390	4.90E-06	-0.0980	0	0.300
ENSP00000328245	4.44E-06	-0.0981	0	0.689
ENSP00000302770	6.59E-06	-0.0981	224	0.722
ENSP00000341992	8.94E-06	-0.0981	0	0.536
ENSP00000369268	1.52E-05	-0.0981	165	0.289
ENSP00000249842	5.95E-06	-0.0981	0	0.683
ENSP00000341528	4.40E-06	-0.0981	0	0.692
ENSP00000381780	7.40E-06	-0.0981	0	0.186
ENSP00000369055	1.06E-05	-0.0981	0	0.143
ENSP00000345681	3.12E-05	-0.0981	866	0.000
ENSP00000353210	2.23E-05	-0.0981	274	0.488
ENSP00000219169	3.05E-05	-0.0982	163	0.618

ENSP00000442656	2.85E-05	-0.0982	325	0.895
ENSP00000345752	9.20E-06	-0.0982	0	0.529
ENSP00000366306	4.58E-05	-0.0982	457	0.929
ENSP00000292431	6.63E-06	-0.0982	0	0.725
ENSP00000385057	1.12E-05	-0.0982	163	0.598
ENSP00000341662	6.86E-06	-0.0982	0	0.220
ENSP00000369996	4.42E-06	-0.0982	0	0.125
ENSP00000306351	5.37E-06	-0.0982	0	0.702
ENSP00000378887	8.84E-06	-0.0982	0	0.154
ENSP00000314792	1.82E-05	-0.0982	200	0.952
ENSP00000222567	4.70E-06	-0.0982	0	0.794
ENSP00000280154	4.59E-05	-0.0982	351	0.843
ENSP00000323795	4.17E-06	-0.0982	0	0.204
ENSP00000294543	2.26E-06	-0.0982	0	0.000
ENSP00000355884	1.48E-05	-0.0982	0	0.696
ENSP00000360939	6.99E-06	-0.0982	0	0.478
ENSP00000296783	2.08E-05	-0.0983	159	0.748
ENSP00000296795	3.60E-05	-0.0983	388	0.905
ENSP00000369681	6.86E-06	-0.0983	0	0.843
ENSP00000366365	8.12E-07	-0.0983	0	0.216
ENSP00000219476	3.13E-05	-0.0983	252	0.903
ENSP00000298119	5.05E-06	-0.0983	0	0.655
ENSP00000420419	1.36E-05	-0.0983	254	0.227
ENSP00000333001	9.95E-06	-0.0983	0	0.000
ENSP00000383059	1.43E-05	-0.0983	0	0.139
ENSP00000314311	1.83E-05	-0.0983	240	0.929
ENSP00000390224	3.31E-06	-0.0983	0	0.000
ENSP00000364929	2.56E-05	-0.0983	203	0.910
ENSP00000362298	9.53E-06	-0.0983	0	0.178
ENSP00000359685	1.25E-05	-0.0984	0	0.070
ENSP00000365198	1.90E-05	-0.0984	0	0.142
ENSP00000296257	1.08E-05	-0.0984	0	0.560
ENSP00000338160	3.75E-05	-0.0984	351	0.000
ENSP00000369858	2.51E-05	-0.0984	392	0.458
ENSP00000329793	6.00E-06	-0.0984	0	0.698
ENSP00000334853	5.33E-06	-0.0984	0	0.687
ENSP00000310668	6.87E-05	-0.0984	266	0.479
ENSP00000356999	2.66E-05	-0.0984	414	0.843
ENSP00000278715	1.43E-05	-0.0984	192	0.407
ENSP00000264424	4.88E-06	-0.0984	0	0.506
ENSP00000265990	4.07E-05	-0.0984	284	0.901
ENSP00000328968	8.45E-06	-0.0984	151	0.494
ENSP00000407425	8.56E-08	-0.0985	0	0.000
ENSP00000276079	4.19E-05	-0.0985	539	0.743
ENSP00000353098	4.03E-06	-0.0985	0	0.567
ENSP00000330341	3.68E-05	-0.0985	421	0.948

ENSP00000368666	4.71E-06	-0.0985	0	0.149
ENSP00000291890	1.42E-05	-0.0985	0	0.115
ENSP00000222308	7.29E-06	-0.0985	326	0.715
ENSP00000327427	5.51E-06	-0.0986	0	0.703
ENSP00000221403	4.99E-06	-0.0986	183	0.000
ENSP00000378338	4.13E-05	-0.0986	902	0.698
ENSP00000263168	3.81E-05	-0.0986	253	0.389
ENSP00000307272	9.49E-06	-0.0986	296	0.810
ENSP00000354837	9.00E-06	-0.0986	0	0.449
ENSP00000383911	5.24E-06	-0.0986	0	0.119
ENSP00000334563	2.00E-05	-0.0986	244	0.414
ENSP00000264714	3.98E-06	-0.0987	0	0.000
ENSP00000285039	1.47E-05	-0.0987	434	0.565
ENSP00000311957	4.97E-06	-0.0987	0	0.690
ENSP00000362335	1.11E-05	-0.0987	159	0.203
ENSP00000341280	1.13E-05	-0.0987	0	0.756
ENSP00000320050	4.42E-06	-0.0987	0	0.709
ENSP00000420075	6.64E-06	-0.0987	0	0.000
ENSP00000216237	7.12E-06	-0.0987	0	0.718
ENSP00000251269	5.13E-06	-0.0987	0	0.695
ENSP00000324827	7.86E-06	-0.0987	0	0.411
ENSP00000364235	1.11E-05	-0.0987	227	0.468
ENSP00000254657	5.63E-05	-0.0988	260	0.822
ENSP00000366847	7.50E-08	-0.0988	0	0.000
ENSP00000348822	4.59E-05	-0.0988	158	0.668
ENSP00000354206	3.07E-06	-0.0988	0	0.694
ENSP00000406957	7.50E-08	-0.0988	0	0.000
ENSP00000264345	1.67E-05	-0.0988	177	0.616
ENSP00000301093	3.95E-06	-0.0988	0	0.686
ENSP00000261560	5.12E-06	-0.0988	0	0.694
ENSP00000358154	2.06E-05	-0.0988	702	0.959
ENSP00000340330	2.55E-05	-0.0988	320	0.000
ENSP00000368523	9.33E-06	-0.0989	718	0.261
ENSP00000262948	1.65E-05	-0.0989	250	0.660
ENSP00000245919	2.05E-05	-0.0989	945	0.000
ENSP00000356562	9.25E-06	-0.0989	0	0.083
ENSP00000362441	2.82E-05	-0.0989	297	0.897
ENSP00000264065	9.88E-06	-0.0989	999	0.530
ENSP00000300870	4.46E-06	-0.0989	0	0.687
ENSP00000291715	1.34E-05	-0.0989	0	0.118
ENSP00000324729	3.88E-05	-0.0989	196	0.279
ENSP00000320821	4.02E-06	-0.0989	0	0.214
ENSP00000262891	1.14E-05	-0.0989	165	0.672
ENSP00000342007	9.33E-06	-0.0989	205	0.477
ENSP00000264183	8.29E-06	-0.0989	195	0.000
ENSP00000295208	4.65E-06	-0.0989	0	0.687

ENSP00000319060	1.16E-05	-0.0990	181	0.615
ENSP00000296091	5.74E-06	-0.0990	0	0.698
ENSP00000367139	1.26E-05	-0.0990	215	0.100
ENSP00000261819	5.83E-06	-0.0990	0	0.666
ENSP00000359018	2.15E-06	-0.0990	0	0.206
ENSP00000336790	3.70E-05	-0.0990	987	0.878
ENSP00000359095	2.75E-05	-0.0990	205	0.843
ENSP00000363149	2.06E-05	-0.0990	814	0.572
ENSP00000366731	7.50E-08	-0.0990	0	0.000
ENSP00000355249	6.88E-06	-0.0990	0	0.779
ENSP00000259727	8.07E-06	-0.0990	330	0.625
ENSP00000255746	4.99E-06	-0.0991	0	0.692
ENSP00000268150	1.49E-05	-0.0991	0	0.437
ENSP00000401303	4.15E-05	-0.0991	400	0.956
ENSP00000358795	3.92E-05	-0.0991	560	0.000
ENSP00000396673	3.28E-05	-0.0991	274	0.863
ENSP00000384886	2.97E-05	-0.0991	901	0.581
ENSP00000353458	2.47E-05	-0.0991	246	0.928
ENSP00000265113	4.89E-05	-0.0991	489	0.598
ENSP00000455948	3.27E-06	-0.0991	0	0.098
ENSP00000298299	8.34E-06	-0.0991	159	0.692
ENSP00000323720	1.16E-05	-0.0991	563	0.000
ENSP00000259335	1.08E-05	-0.0991	233	0.444
ENSP00000362994	2.20E-05	-0.0991	359	0.860
ENSP00000035383	4.86E-06	-0.0991	0	0.620
ENSP00000385099	4.66E-06	-0.0991	0	0.690
ENSP00000377900	2.40E-05	-0.0991	211	0.361
ENSP00000344741	5.32E-05	-0.0991	300	0.617
ENSP00000320081	5.72E-06	-0.0992	0	0.071
ENSP00000305244	7.06E-06	-0.0992	0	0.797
ENSP00000347988	2.34E-05	-0.0992	191	0.303
ENSP00000308578	4.57E-06	-0.0992	0	0.697
ENSP00000291598	4.56E-06	-0.0992	0	0.704
ENSP00000355187	6.47E-06	-0.0992	198	0.681
ENSP00000263967	2.13E-05	-0.0992	337	0.923
ENSP00000354346	1.08E-05	-0.0992	0	0.000
ENSP00000366828	6.92E-06	-0.0992	0	0.740
ENSP00000229179	5.00E-06	-0.0992	151	0.000
ENSP00000296509	1.41E-05	-0.0992	177	0.583
ENSP00000345809	3.82E-06	-0.0992	0	0.693
ENSP00000262428	1.68E-04	-0.0992	292	0.098
ENSP00000365946	9.65E-06	-0.0992	0	0.983
ENSP00000362728	1.79E-05	-0.0992	154	0.639
ENSP00000365016	1.65E-05	-0.0992	329	0.896
ENSP00000346603	5.67E-06	-0.0993	0	0.677
ENSP00000201031	5.92E-05	-0.0993	304	0.832

ENSP00000338807	4.57E-06	-0.0993	0	0.683
ENSP00000381588	2.05E-05	-0.0993	216	0.686
ENSP00000436812	3.15E-05	-0.0993	854	0.666
ENSP00000324124	4.89E-06	-0.0993	0	0.769
ENSP00000269829	5.03E-06	-0.0993	0	0.696
ENSP00000302502	4.50E-06	-0.0993	0	0.692
ENSP00000359301	5.75E-06	-0.0993	0	0.535
ENSP00000410041	8.86E-06	-0.0993	0	0.146
ENSP00000281156	6.05E-05	-0.0993	386	0.804
ENSP00000369217	1.56E-05	-0.0993	353	0.421
ENSP00000368589	9.55E-06	-0.0993	0	0.062
ENSP00000429276	3.45E-05	-0.0993	154	0.109
ENSP00000342215	2.51E-05	-0.0993	0	0.202
ENSP00000334105	6.88E-06	-0.0994	0	0.000
ENSP00000357177	2.49E-05	-0.0994	631	0.646
ENSP00000352834	2.29E-05	-0.0994	244	0.500
ENSP00000290158	3.78E-05	-0.0994	675	0.808
ENSP00000296144	8.20E-06	-0.0994	480	0.644
ENSP00000223459	5.11E-06	-0.0994	0	0.700
ENSP00000232424	5.14E-05	-0.0994	232	0.839
ENSP00000270649	4.17E-06	-0.0994	0	0.689
ENSP00000292841	4.87E-06	-0.0994	0	0.693
ENSP00000270451	4.41E-06	-0.0994	0	0.694
ENSP00000425421	8.98E-06	-0.0994	160	0.145
ENSP00000263805	4.52E-06	-0.0995	0	0.688
ENSP00000385795	3.05E-06	-0.0995	0	0.770
ENSP00000350580	1.71E-05	-0.0995	852	0.000
ENSP00000351108	2.11E-05	-0.0995	473	0.979
ENSP00000384640	7.08E-08	-0.0995	0	0.000
ENSP00000408984	2.10E-05	-0.0995	286	0.000
ENSP00000454437	5.72E-07	-0.0995	0	0.000
ENSP00000380552	3.05E-05	-0.0995	198	0.421
ENSP00000330374	4.47E-06	-0.0995	0	0.211
ENSP00000361868	3.98E-05	-0.0995	0	0.354
ENSP00000288177	4.25E-06	-0.0995	0	0.000
ENSP00000344431	6.39E-06	-0.0995	887	0.298
ENSP00000268154	4.46E-06	-0.0995	0	0.698
ENSP00000315664	4.35E-06	-0.0995	0	0.684
ENSP00000369643	1.19E-05	-0.0996	157	0.637
ENSP00000342626	5.23E-05	-0.0996	229	0.866
ENSP00000340749	4.13E-06	-0.0996	0	0.686
ENSP00000361608	6.75E-06	-0.0996	161	0.367
ENSP00000162023	8.67E-06	-0.0996	214	0.000
ENSP00000258962	2.29E-05	-0.0996	370	0.864
ENSP00000291842	7.23E-05	-0.0996	165	0.112
ENSP00000243052	7.13E-06	-0.0996	0	0.211

ENSP00000328547	4.52E-05	-0.0996	188	0.795
ENSP00000364883	6.84E-06	-0.0996	0	0.265
ENSP00000263056	1.39E-05	-0.0997	520	0.656
ENSP00000254166	5.31E-06	-0.0997	0	0.699
ENSP00000178640	8.75E-06	-0.0997	335	0.661
ENSP00000301071	2.65E-05	-0.0997	335	0.641
ENSP00000322570	5.23E-06	-0.0997	0	0.719
ENSP00000342356	1.48E-05	-0.0997	158	0.185
ENSP00000314649	1.05E-05	-0.0997	216	0.276
ENSP00000362751	6.96E-06	-0.0997	0	0.244
ENSP00000417464	3.30E-05	-0.0997	175	0.892
ENSP00000323945	4.42E-06	-0.0998	0	0.696
ENSP00000362820	1.96E-05	-0.0998	274	0.899
ENSP00000321848	4.26E-06	-0.0998	0	0.695
ENSP00000365503	3.81E-06	-0.0998	0	0.201
ENSP00000306869	4.72E-06	-0.0998	0	0.671
ENSP00000266671	7.35E-05	-0.0998	311	0.589
ENSP00000296223	4.23E-06	-0.0998	0	0.000
ENSP00000343054	7.78E-06	-0.0998	0	0.860
ENSP00000332049	3.88E-05	-0.0998	343	0.909
ENSP00000341236	4.04E-06	-0.0999	0	0.700
ENSP00000311469	3.68E-05	-0.0999	342	0.738
ENSP00000319305	4.19E-06	-0.0999	0	0.696
ENSP00000337368	4.69E-06	-0.0999	0	0.702
ENSP00000279968	1.74E-05	-0.1000	0	0.166
ENSP00000408598	2.00E-05	-0.1000	186	0.905
ENSP00000316032	6.96E-06	-0.1000	0	0.756
ENSP00000221327	4.99E-06	-0.1000	0	0.695
ENSP00000331626	4.60E-06	-0.1000	0	0.696
ENSP00000234396	4.49E-06	-0.1000	0	0.236
ENSP00000299237	5.18E-06	-0.1000	0	0.690
ENSP00000282493	8.74E-06	-0.1000	190	0.000
ENSP00000356198	3.02E-05	-0.1000	165	0.107
ENSP00000248668	5.01E-06	-0.1000	0	0.650
ENSP00000274547	6.61E-06	-0.1000	196	0.577
ENSP00000262294	3.81E-05	-0.1000	191	0.489
ENSP00000289779	5.05E-05	-0.1001	311	0.000
ENSP00000332256	3.50E-05	-0.1001	472	0.404
ENSP00000220659	5.40E-06	-0.1001	230	0.000
ENSP00000292928	4.20E-06	-0.1001	0	0.685
ENSP00000374014	5.47E-06	-0.1001	0	0.117
ENSP00000353007	8.05E-06	-0.1001	0	0.194
ENSP00000385806	3.08E-05	-0.1001	711	0.738
ENSP00000243563	2.50E-05	-0.1001	599	0.701
ENSP00000366902	5.69E-06	-0.1001	290	0.713
ENSP00000064571	6.66E-06	-0.1001	0	0.221



ENSP00000329264	4.25E-06	-0.1001	0	0.696
ENSP00000316054	9.46E-06	-0.1001	640	0.890
ENSP00000242804	4.82E-06	-0.1001	0	0.692
ENSP00000274054	8.01E-05	-0.1001	216	0.869
ENSP00000337354	4.03E-05	-0.1001	349	0.327
ENSP00000196489	4.72E-06	-0.1001	0	0.691
ENSP00000261622	3.17E-05	-0.1001	325	0.365
ENSP00000450114	3.05E-06	-0.1001	0	0.184
ENSP00000287701	8.43E-06	-0.1002	0	0.275
ENSP00000371394	1.20E-05	-0.1002	0	0.115
ENSP00000411198	4.50E-07	-0.1002	0	0.189
ENSP00000264360	6.23E-06	-0.1002	0	0.153
ENSP00000302222	8.25E-06	-0.1002	151	0.675
ENSP00000348564	1.82E-05	-0.1002	284	0.348
ENSP00000324605	4.05E-06	-0.1002	0	0.699
ENSP00000308928	3.24E-05	-0.1002	357	0.810
ENSP00000345479	3.20E-06	-0.1002	0	0.683
ENSP00000345985	4.22E-06	-0.1002	0	0.630
ENSP00000404151	1.05E-06	-0.1002	0	0.147
ENSP00000362144	3.66E-05	-0.1002	195	0.433
ENSP00000240731	4.38E-06	-0.1002	0	0.698
ENSP00000369218	2.72E-05	-0.1003	183	0.692
ENSP00000336712	3.59E-05	-0.1003	282	0.582
ENSP00000352400	1.85E-05	-0.1003	213	0.648
ENSP00000247970	1.26E-05	-0.1003	316	0.708
ENSP00000378506	1.12E-04	-0.1003	0	0.127
ENSP00000409126	1.44E-05	-0.1003	361	0.215
ENSP00000269554	4.39E-06	-0.1003	0	0.000
ENSP00000358033	7.27E-06	-0.1003	0	0.340
ENSP00000253003	7.11E-06	-0.1003	0	0.308
ENSP00000359321	9.84E-06	-0.1003	0	0.769
ENSP00000317985	4.21E-05	-0.1003	280	0.832
ENSP00000309871	9.59E-06	-0.1003	191	0.675
ENSP00000260585	5.69E-05	-0.1003	183	0.124
ENSP00000383820	1.40E-05	-0.1003	150	0.619
ENSP00000293981	2.59E-04	-0.1004	150	0.170
ENSP00000381590	4.08E-05	-0.1004	405	0.000
ENSP00000273480	4.02E-06	-0.1004	0	0.425
ENSP00000373884	2.50E-05	-0.1004	270	0.394
ENSP00000384880	1.44E-05	-0.1004	0	0.068
ENSP00000286648	2.18E-05	-0.1004	218	0.885
ENSP00000321835	4.02E-05	-0.1004	951	0.892
ENSP00000404251	2.47E-06	-0.1004	0	0.177
ENSP00000325074	3.23E-05	-0.1004	278	0.596
ENSP00000283141	1.12E-05	-0.1004	0	0.158
ENSP00000337081	4.61E-06	-0.1004	0	0.708

ENSP00000295006	9.53E-06	-0.1005	214	0.000
ENSP00000308622	6.26E-05	-0.1005	663	0.665
ENSP00000347719	2.81E-05	-0.1005	199	0.275
ENSP00000347906	2.29E-05	-0.1005	205	0.866
ENSP00000455744	7.84E-06	-0.1005	173	0.000
ENSP00000254029	1.25E-04	-0.1005	445	0.119
ENSP00000223428	4.67E-06	-0.1005	0	0.691
ENSP00000310033	4.16E-06	-0.1005	0	0.701
ENSP00000379133	9.21E-06	-0.1005	0	0.062
ENSP00000255977	1.05E-05	-0.1005	0	0.283
ENSP00000255129	4.30E-06	-0.1005	0	0.693
ENSP00000292579	4.59E-06	-0.1005	0	0.685
ENSP00000369736	1.79E-05	-0.1005	150	0.158
ENSP00000350616	7.94E-06	-0.1005	0	0.302
ENSP00000369395	4.72E-06	-0.1005	0	0.642
ENSP00000255120	4.73E-06	-0.1005	0	0.703
ENSP00000362334	1.25E-05	-0.1006	545	0.653
ENSP00000342818	4.46E-06	-0.1006	0	0.698
ENSP00000301995	5.37E-06	-0.1006	0	0.684
ENSP00000263629	7.31E-06	-0.1006	376	0.698
ENSP00000349428	2.13E-05	-0.1006	950	0.785
ENSP00000336750	6.10E-06	-0.1006	0	0.542
ENSP00000339404	2.33E-04	-0.1006	171	0.121
ENSP00000290691	7.65E-06	-0.1006	0	0.420
ENSP00000262894	5.41E-06	-0.1006	0	0.693
ENSP00000282892	4.06E-05	-0.1006	216	0.726
ENSP00000336543	5.40E-06	-0.1006	0	0.000
ENSP00000358089	2.30E-05	-0.1006	572	0.833
ENSP00000364263	5.01E-06	-0.1006	0	0.194
ENSP00000247930	4.39E-06	-0.1007	0	0.691
ENSP00000354554	2.87E-05	-0.1007	361	0.613
ENSP00000454783	3.41E-05	-0.1007	335	0.378
ENSP00000338093	5.02E-06	-0.1007	424	0.699
ENSP00000245222	9.02E-06	-0.1007	0	0.441
ENSP00000355511	3.31E-05	-0.1007	267	0.372
ENSP00000366563	2.87E-05	-0.1007	576	0.855
ENSP00000373153	9.13E-06	-0.1007	0	0.000
ENSP00000362361	4.05E-05	-0.1007	485	0.791
ENSP00000298288	9.01E-06	-0.1007	193	0.644
ENSP00000308741	5.14E-05	-0.1007	293	0.798
ENSP00000379612	1.74E-05	-0.1007	163	0.727
ENSP00000341094	9.99E-06	-0.1008	158	0.991
ENSP00000357465	5.74E-07	-0.1008	0	0.157
ENSP00000326967	4.31E-06	-0.1008	0	0.688
ENSP00000275423	4.48E-06	-0.1008	0	0.697
ENSP00000304376	4.32E-06	-0.1008	0	0.213

ENSP00000319829	4.05E-06	-0.1008	0	0.726
ENSP00000358815	3.95E-05	-0.1008	560	0.748
ENSP00000221494	2.86E-05	-0.1008	456	0.849
ENSP00000263273	5.23E-05	-0.1008	454	0.000
ENSP00000278772	5.87E-06	-0.1008	0	0.712
ENSP00000301547	4.03E-06	-0.1008	0	0.685
ENSP00000310301	1.24E-05	-0.1008	185	0.831
ENSP00000264234	1.12E-05	-0.1009	0	0.122
ENSP00000352438	1.69E-05	-0.1009	354	0.871
ENSP00000306756	5.05E-06	-0.1009	0	0.681
ENSP00000356211	3.67E-06	-0.1009	0	0.138
ENSP00000322872	4.50E-06	-0.1009	0	0.691
ENSP00000304908	7.25E-06	-0.1009	355	0.491
ENSP00000271015	3.78E-05	-0.1009	208	0.000
ENSP00000252211	4.63E-06	-0.1009	0	0.713
ENSP00000342156	2.87E-06	-0.1009	0	0.125
ENSP00000437940	2.02E-05	-0.1010	301	0.880
ENSP00000301215	4.45E-06	-0.1010	0	0.679
ENSP00000358820	4.66E-06	-0.1010	0	0.162
ENSP00000249396	2.26E-05	-0.1010	234	0.825
ENSP00000343785	6.60E-05	-0.1010	607	0.847
ENSP00000258960	5.24E-06	-0.1010	0	0.453
ENSP00000379054	3.51E-06	-0.1010	0	0.000
ENSP00000252840	4.34E-06	-0.1010	0	0.685
ENSP00000260061	5.51E-06	-0.1010	0	0.636
ENSP00000377617	1.50E-05	-0.1011	243	0.516
ENSP00000419126	1.58E-06	-0.1011	0	0.132
ENSP00000260130	5.44E-05	-0.1011	174	0.220
ENSP00000310697	4.34E-06	-0.1011	0	0.699
ENSP00000383398	4.72E-06	-0.1011	0	0.189
ENSP00000273047	2.71E-05	-0.1011	323	0.570
ENSP00000356386	2.37E-05	-0.1011	211	0.164
ENSP00000366384	3.65E-06	-0.1011	0	0.691
ENSP00000324897	2.36E-05	-0.1012	331	0.823
ENSP00000332681	6.47E-06	-0.1012	247	0.518
ENSP00000330320	5.10E-06	-0.1012	0	0.130
ENSP00000296674	7.19E-06	-0.1012	390	0.688
ENSP00000356433	2.21E-05	-0.1012	325	0.484
ENSP00000381490	8.49E-06	-0.1012	0	0.367
ENSP00000452126	1.76E-05	-0.1012	491	0.719
ENSP00000297071	9.87E-05	-0.1012	216	0.693
ENSP00000230354	1.79E-05	-0.1012	548	0.000
ENSP00000428518	1.12E-05	-0.1012	0	0.145
ENSP00000349959	2.82E-05	-0.1012	252	0.877
ENSP00000221722	4.31E-06	-0.1013	0	0.000
ENSP00000341730	5.63E-06	-0.1013	430	0.743

ENSP00000335333	7.83E-06	-0.1013	0	0.434
ENSP00000317912	9.89E-06	-0.1013	166	0.000
ENSP00000220592	1.76E-05	-0.1013	197	0.727
ENSP00000263817	9.18E-06	-0.1013	360	0.467
ENSP00000294818	5.64E-06	-0.1013	0	0.659
ENSP00000293813	2.72E-05	-0.1013	316	0.000
ENSP00000357283	2.55E-05	-0.1014	412	0.836
ENSP00000196482	4.25E-06	-0.1014	0	0.691
ENSP00000348215	2.88E-05	-0.1014	720	0.360
ENSP00000311028	7.84E-06	-0.1014	395	0.802
ENSP00000375872	1.43E-05	-0.1014	195	0.515
ENSP00000359212	9.28E-06	-0.1014	0	0.854
ENSP00000338887	5.31E-06	-0.1014	0	0.660
ENSP00000382590	3.21E-06	-0.1014	0	0.192
ENSP00000363921	1.78E-05	-0.1014	202	0.743
ENSP00000304169	1.62E-05	-0.1014	291	0.000
ENSP00000321963	3.98E-06	-0.1014	0	0.702
ENSP00000359424	2.56E-05	-0.1014	585	0.852
ENSP00000347046	2.86E-05	-0.1015	523	0.651
ENSP00000255641	5.54E-06	-0.1015	0	0.395
ENSP00000363556	2.81E-06	-0.1015	0	0.689
ENSP00000382673	2.85E-06	-0.1015	0	0.000
ENSP00000365048	2.78E-05	-0.1015	328	0.919
ENSP00000465021	3.13E-07	-0.1015	0	0.000
ENSP00000301146	9.20E-06	-0.1015	207	0.254
ENSP00000351273	4.32E-05	-0.1016	961	0.917
ENSP00000309710	5.26E-06	-0.1016	0	0.000
ENSP00000328484	9.21E-06	-0.1016	158	0.990
ENSP00000333725	4.10E-06	-0.1016	0	0.687
ENSP00000300128	8.65E-05	-0.1016	242	0.000
ENSP00000339435	1.10E-05	-0.1016	242	0.456
ENSP00000355566	1.63E-05	-0.1016	212	0.310
ENSP00000427550	5.29E-06	-0.1016	0	0.068
ENSP00000355011	1.97E-05	-0.1017	652	0.874
ENSP00000196548	4.51E-06	-0.1017	0	0.000
ENSP00000320566	3.68E-05	-0.1017	203	0.898
ENSP00000332750	4.20E-06	-0.1017	0	0.686
ENSP00000254286	1.15E-05	-0.1017	449	0.691
ENSP00000318898	5.18E-06	-0.1017	0	0.697
ENSP00000335437	4.07E-06	-0.1017	0	0.691
ENSP00000250173	4.66E-06	-0.1017	0	0.462
ENSP00000312141	3.88E-06	-0.1017	0	0.677
ENSP00000265192	2.30E-04	-0.1017	202	0.657
ENSP00000261636	1.06E-05	-0.1017	286	0.465
ENSP00000344782	1.07E-05	-0.1017	200	0.789
ENSP00000387122	1.30E-05	-0.1017	201	0.422

ENSP00000332171	2.06E-05	-0.1017	250	0.798
ENSP00000351153	8.32E-06	-0.1018	195	0.000
ENSP00000373637	2.10E-05	-0.1018	811	0.000
ENSP00000319756	5.64E-06	-0.1018	0	0.000
ENSP00000438095	3.82E-05	-0.1018	267	0.000
ENSP00000301073	4.53E-06	-0.1018	0	0.699
ENSP00000256433	6.06E-05	-0.1018	250	0.000
ENSP00000399982	2.22E-05	-0.1018	200	0.867
ENSP00000338770	4.17E-06	-0.1018	0	0.699
ENSP00000354775	9.57E-06	-0.1019	0	0.301
ENSP00000312081	5.01E-06	-0.1019	0	0.681
ENSP00000319914	6.11E-05	-0.1019	270	0.582
ENSP00000369100	1.01E-05	-0.1019	203	0.480
ENSP00000364645	4.08E-06	-0.1019	0	0.700
ENSP00000380872	5.35E-06	-0.1019	0	0.145
ENSP00000338185	8.49E-06	-0.1019	0	0.715
ENSP00000248211	4.52E-06	-0.1019	0	0.697
ENSP00000393876	1.07E-05	-0.1019	167	0.708
ENSP00000355279	1.14E-05	-0.1019	284	0.413
ENSP00000312435	3.38E-05	-0.1019	503	0.774
ENSP00000257910	2.70E-05	-0.1019	0	0.097
ENSP00000379217	1.95E-05	-0.1019	163	0.465
ENSP00000364212	1.28E-05	-0.1020	179	0.604
ENSP00000365693	2.27E-05	-0.1020	207	0.119
ENSP00000175091	6.47E-05	-0.1020	373	0.121
ENSP00000327538	4.47E-06	-0.1020	0	0.696
ENSP00000371472	1.94E-05	-0.1020	282	0.502
ENSP00000283415	4.28E-05	-0.1020	272	0.263
ENSP00000257627	7.61E-06	-0.1020	242	0.000
ENSP00000312042	4.04E-05	-0.1020	311	0.528
ENSP00000315791	5.72E-06	-0.1020	0	0.824
ENSP00000236959	2.47E-05	-0.1020	387	0.764
ENSP00000348753	2.45E-05	-0.1020	0	0.541
ENSP00000362063	1.98E-05	-0.1020	239	0.900
ENSP00000296084	4.94E-05	-0.1021	421	0.000
ENSP00000431905	1.03E-06	-0.1021	0	0.152
ENSP00000354125	1.71E-05	-0.1021	330	0.933
ENSP00000356155	1.76E-05	-0.1021	165	0.656
ENSP00000337473	4.59E-06	-0.1021	0	0.700
ENSP00000328551	4.63E-06	-0.1021	0	0.238
ENSP00000314080	4.12E-05	-0.1021	301	0.802
ENSP00000285238	9.43E-06	-0.1021	160	0.434
ENSP00000351100	6.87E-06	-0.1021	0	0.721
ENSP00000472919	1.90E-06	-0.1022	0	0.191
ENSP00000436496	3.31E-06	-0.1022	0	0.000
ENSP00000361433	6.52E-06	-0.1022	0	0.861

ENSP00000319222	5.25E-06	-0.1022	0	0.674
ENSP00000380150	2.04E-05	-0.1022	208	0.849
ENSP00000225573	6.79E-05	-0.1022	198	0.125
ENSP00000225296	3.31E-05	-0.1022	352	0.922
ENSP00000311319	4.13E-06	-0.1022	0	0.000
ENSP00000310649	4.46E-06	-0.1022	0	0.691
ENSP00000377080	8.46E-06	-0.1022	177	0.764
ENSP00000297183	6.84E-06	-0.1023	202	0.654
ENSP00000332861	4.05E-06	-0.1023	0	0.696
ENSP00000227758	2.69E-05	-0.1023	388	0.847
ENSP00000264606	2.07E-05	-0.1023	319	0.000
ENSP00000254321	3.96E-06	-0.1023	0	0.678
ENSP00000340305	5.98E-06	-0.1023	0	0.666
ENSP00000253693	2.41E-06	-0.1023	0	0.000
ENSP00000452571	2.12E-06	-0.1023	0	0.000
ENSP00000346236	9.70E-06	-0.1023	0	0.912
ENSP00000378856	1.29E-05	-0.1023	151	0.548
ENSP00000351908	3.79E-05	-0.1023	526	0.893
ENSP00000369325	5.66E-06	-0.1024	0	0.243
ENSP00000324598	6.00E-06	-0.1024	0	0.703
ENSP00000356064	3.10E-05	-0.1024	213	0.088
ENSP00000304151	3.50E-06	-0.1024	0	0.000
ENSP00000296839	2.78E-06	-0.1024	0	0.000
ENSP00000307142	9.86E-06	-0.1024	0	0.149
ENSP00000415027	2.52E-07	-0.1024	0	0.213
ENSP00000264639	6.83E-06	-0.1024	0	0.457
ENSP00000262032	4.13E-06	-0.1024	0	0.707
ENSP00000250416	2.26E-05	-0.1024	568	0.761
ENSP00000317177	3.37E-05	-0.1025	298	0.469
ENSP00000238081	1.69E-05	-0.1025	428	0.691
ENSP00000259271	2.80E-05	-0.1025	227	0.700
ENSP00000337853	4.42E-05	-0.1025	418	0.902
ENSP00000370891	8.02E-06	-0.1025	0	0.152
ENSP00000359353	5.33E-06	-0.1025	0	0.076
ENSP00000402060	2.16E-05	-0.1025	163	0.623
ENSP00000252463	5.00E-06	-0.1025	0	0.716
ENSP00000468354	9.45E-06	-0.1025	202	0.589
ENSP00000358140	1.83E-05	-0.1025	266	0.899
ENSP00000311030	1.06E-05	-0.1025	160	0.363
ENSP00000350698	1.84E-05	-0.1025	334	0.895
ENSP00000453144	3.85E-05	-0.1025	252	0.489
ENSP00000305777	6.77E-06	-0.1025	0	0.321
ENSP00000345964	1.80E-05	-0.1026	330	0.168
ENSP00000317817	2.35E-05	-0.1026	191	0.264
ENSP00000262039	1.13E-05	-0.1026	662	0.705
ENSP00000304229	9.41E-06	-0.1026	301	0.645

ENSP00000396045	1.88E-05	-0.1026	154	0.163
ENSP00000306528	4.17E-05	-0.1026	382	0.295
ENSP00000243643	4.35E-06	-0.1026	0	0.692
ENSP00000360069	3.79E-06	-0.1026	0	0.692
ENSP00000251810	6.25E-06	-0.1026	292	0.649
ENSP00000375416	4.09E-06	-0.1026	0	0.000
ENSP00000324441	4.13E-06	-0.1026	0	0.695
ENSP00000270225	9.32E-06	-0.1026	266	0.669
ENSP00000223500	1.78E-06	-0.1026	0	0.000
ENSP00000347549	1.64E-05	-0.1027	252	0.000
ENSP00000297185	2.29E-05	-0.1027	256	0.887
ENSP00000369887	6.25E-06	-0.1027	0	0.671
ENSP00000347810	2.32E-07	-0.1027	0	0.122
ENSP00000393835	5.21E-06	-0.1027	0	0.688
ENSP00000366273	7.49E-06	-0.1027	609	0.690
ENSP00000355580	7.56E-06	-0.1027	0	0.207
ENSP00000304277	8.24E-05	-0.1027	151	0.159
ENSP00000369695	2.48E-05	-0.1027	789	0.860
ENSP00000276282	5.01E-06	-0.1027	0	0.642
ENSP00000301475	5.64E-06	-0.1027	0	0.675
ENSP00000300737	3.57E-05	-0.1027	211	0.546
ENSP00000216034	4.17E-05	-0.1027	196	0.308
ENSP00000309812	4.72E-06	-0.1027	0	0.710
ENSP00000339823	6.51E-06	-0.1027	0	0.690
ENSP00000222224	4.49E-05	-0.1028	0	0.302
ENSP00000229266	4.19E-05	-0.1028	183	0.179
ENSP00000217086	4.42E-05	-0.1028	221	0.821
ENSP00000364582	1.51E-05	-0.1028	644	0.394
ENSP00000341940	1.83E-05	-0.1028	313	0.595
ENSP00000317904	1.17E-05	-0.1028	264	0.647
ENSP00000296503	3.16E-05	-0.1028	269	0.894
ENSP00000248070	5.63E-06	-0.1028	0	0.350
ENSP00000264734	7.98E-06	-0.1029	0	0.149
ENSP00000348722	7.11E-06	-0.1029	0	0.825
ENSP00000363621	2.94E-05	-0.1029	212	0.348
ENSP00000325519	7.84E-06	-0.1029	0	0.000
ENSP00000336719	4.48E-06	-0.1029	0	0.683
ENSP00000382659	2.60E-05	-0.1029	814	0.757
ENSP00000319281	2.90E-04	-0.1029	652	0.092
ENSP00000334785	2.93E-05	-0.1029	210	0.000
ENSP00000376176	2.80E-05	-0.1029	346	0.755
ENSP00000292176	4.48E-06	-0.1029	0	0.766
ENSP00000396080	4.71E-07	-0.1029	0	0.183
ENSP00000356540	2.56E-05	-0.1029	377	0.254
ENSP00000465742	3.54E-06	-0.1029	0	0.505
ENSP00000434142	5.88E-06	-0.1030	0	0.077

ENSP00000339145	3.42E-05	-0.1030	162	0.892
ENSP00000463013	7.11E-06	-0.1030	0	0.183
ENSP00000232974	4.33E-06	-0.1030	0	0.698
ENSP00000233057	4.96E-05	-0.1030	336	0.722
ENSP00000157812	9.48E-06	-0.1030	214	0.599
ENSP00000261195	3.63E-06	-0.1030	0	0.581
ENSP00000238628	6.14E-05	-0.1030	256	0.837
ENSP00000296582	4.84E-06	-0.1030	0	0.148
ENSP00000278671	1.40E-04	-0.1030	804	0.093
ENSP00000362306	8.58E-06	-0.1031	467	0.707
ENSP00000330343	1.66E-05	-0.1031	281	0.857
ENSP00000000442	4.50E-05	-0.1031	195	0.822
ENSP00000358596	1.55E-05	-0.1031	201	0.806
ENSP00000340596	5.85E-06	-0.1031	0	0.265
ENSP00000376178	3.04E-05	-0.1031	377	0.266
ENSP00000465978	6.95E-09	-0.1031	0	0.000
ENSP00000362127	5.57E-06	-0.1031	0	0.696
ENSP00000327984	1.00E-05	-0.1031	153	0.000
ENSP00000353957	3.62E-06	-0.1031	0	0.685
ENSP00000229264	9.25E-06	-0.1031	397	0.648
ENSP00000350028	8.44E-06	-0.1031	0	0.830
ENSP00000265854	4.04E-06	-0.1032	0	0.571
ENSP00000313199	2.83E-05	-0.1032	822	0.931
ENSP00000307491	4.20E-06	-0.1032	0	0.643
ENSP00000472847	2.66E-05	-0.1032	336	0.668
ENSP00000408526	1.82E-05	-0.1032	185	0.252
ENSP00000445366	7.04E-06	-0.1032	0	0.586
ENSP00000282308	3.69E-06	-0.1032	0	0.689
ENSP00000403980	8.98E-07	-0.1032	0	0.000
ENSP00000268957	3.98E-05	-0.1032	284	0.533
ENSP00000256497	3.58E-05	-0.1032	923	0.348
ENSP00000384965	3.69E-06	-0.1032	0	0.163
ENSP00000261401	3.29E-05	-0.1032	335	0.423
ENSP00000260363	3.14E-06	-0.1033	0	0.358
ENSP00000358297	8.70E-06	-0.1033	0	0.000
ENSP00000313258	3.09E-06	-0.1033	0	0.714
ENSP00000263921	5.50E-05	-0.1033	156	0.180
ENSP00000468311	3.23E-06	-0.1033	0	0.000
ENSP00000351280	3.67E-06	-0.1033	0	0.693
ENSP00000260385	1.86E-04	-0.1033	644	0.085
ENSP00000245903	8.09E-05	-0.1033	224	0.659
ENSP00000305077	3.80E-06	-0.1033	0	0.684
ENSP00000250076	4.30E-06	-0.1033	0	0.692
ENSP00000309606	4.53E-06	-0.1033	0	0.686
ENSP00000355166	8.11E-06	-0.1033	484	0.638
ENSP00000328023	5.96E-06	-0.1033	398	0.621



ENSP00000303889	4.32E-06	-0.1034	0	0.693
ENSP00000360277	1.23E-05	-0.1034	218	0.000
ENSP00000337168	3.94E-05	-0.1034	404	0.336
ENSP00000360916	9.61E-06	-0.1034	0	0.745
ENSP00000247584	4.55E-06	-0.1034	0	0.717
ENSP00000242796	5.35E-05	-0.1034	186	0.000
ENSP00000420381	3.42E-05	-0.1035	517	0.647
ENSP00000403103	2.30E-05	-0.1035	207	0.789
ENSP00000355094	1.86E-05	-0.1035	334	0.767
ENSP00000347134	6.60E-06	-0.1035	0	0.539
ENSP00000356105	1.74E-05	-0.1035	0	0.098
ENSP00000263381	3.87E-06	-0.1035	0	0.716
ENSP00000320236	4.19E-05	-0.1035	167	0.193
ENSP00000376952	4.63E-06	-0.1035	0	0.476
ENSP00000320627	5.22E-06	-0.1035	0	0.000
ENSP00000386759	3.89E-05	-0.1035	244	0.906
ENSP00000352121	2.92E-05	-0.1036	310	0.921
ENSP00000325326	4.50E-06	-0.1036	0	0.706
ENSP00000263556	4.01E-05	-0.1036	900	0.566
ENSP00000218004	9.30E-05	-0.1036	221	0.428
ENSP00000282292	4.25E-06	-0.1036	0	0.681
ENSP00000341944	7.12E-06	-0.1036	0	0.663
ENSP00000356548	4.70E-06	-0.1036	0	0.818
ENSP00000350075	3.26E-05	-0.1036	0	0.000
ENSP00000302805	1.26E-05	-0.1036	216	0.000
ENSP00000331927	3.79E-06	-0.1036	0	0.675
ENSP00000397693	3.57E-06	-0.1036	0	0.691
ENSP00000347032	6.25E-06	-0.1036	0	0.499
ENSP00000341625	1.92E-05	-0.1036	270	0.500
ENSP00000339787	3.80E-05	-0.1036	328	0.539
ENSP00000292530	3.94E-06	-0.1037	0	0.685
ENSP00000267287	5.00E-05	-0.1037	154	0.521
ENSP00000372322	2.13E-05	-0.1037	219	0.000
ENSP00000371127	1.44E-07	-0.1037	0	0.000
ENSP00000294288	8.62E-06	-0.1037	439	0.000
ENSP00000252979	3.71E-06	-0.1037	0	0.682
ENSP00000268793	1.65E-05	-0.1037	194	0.109
ENSP00000349494	4.23E-06	-0.1037	0	0.691
ENSP00000261507	3.65E-05	-0.1037	193	0.440
ENSP00000355599	3.49E-06	-0.1037	0	0.187
ENSP00000369538	2.16E-05	-0.1037	293	0.310
ENSP00000249636	2.82E-05	-0.1037	181	0.791
ENSP00000264645	4.78E-05	-0.1037	292	0.818
ENSP00000371606	4.33E-06	-0.1037	0	0.202
ENSP00000362300	2.13E-05	-0.1037	207	0.722
ENSP00000247219	9.45E-06	-0.1037	315	0.000

ENSP00000309945	2.12E-05	-0.1038	242	0.626
ENSP00000353362	2.47E-05	-0.1038	282	0.676
ENSP00000302756	2.64E-06	-0.1038	0	0.000
ENSP00000326870	4.86E-06	-0.1038	0	0.000
ENSP00000375863	1.36E-05	-0.1038	549	0.725
ENSP00000327143	4.83E-06	-0.1038	0	0.702
ENSP00000344791	4.08E-06	-0.1038	0	0.681
ENSP00000202967	2.73E-05	-0.1038	185	0.848
ENSP00000244763	5.34E-05	-0.1038	609	0.519
ENSP00000301399	3.70E-06	-0.1038	0	0.685
ENSP00000345281	5.29E-06	-0.1038	0	0.654
ENSP00000291552	3.28E-05	-0.1038	230	0.875
ENSP00000261965	9.28E-06	-0.1038	0	0.153
ENSP00000316465	2.30E-06	-0.1039	0	0.000
ENSP00000385597	5.06E-06	-0.1039	0	0.094
ENSP00000311899	2.03E-05	-0.1039	175	0.799
ENSP00000225388	1.06E-04	-0.1039	197	0.360
ENSP00000350195	7.79E-06	-0.1039	199	0.672
ENSP00000396445	3.47E-06	-0.1039	0	0.259
ENSP00000270115	5.47E-06	-0.1039	0	0.462
ENSP00000344308	3.92E-06	-0.1040	0	0.689
ENSP00000194530	1.84E-05	-0.1040	0	0.269
ENSP00000277458	2.46E-05	-0.1040	307	0.699
ENSP00000353444	6.19E-06	-0.1040	0	0.227
ENSP00000273077	3.22E-06	-0.1040	0	0.000
ENSP00000308496	7.79E-06	-0.1040	204	0.548
ENSP00000221315	4.33E-06	-0.1041	0	0.703
ENSP00000344129	4.32E-06	-0.1041	0	0.687
ENSP00000351422	3.06E-06	-0.1041	0	0.167
ENSP00000369213	2.06E-05	-0.1041	188	0.693
ENSP00000307604	4.30E-06	-0.1041	0	0.685
ENSP00000289952	4.93E-05	-0.1041	177	0.176
ENSP00000333071	7.74E-05	-0.1041	0	0.119
ENSP00000298681	2.85E-06	-0.1041	0	0.000
ENSP00000300161	2.62E-05	-0.1041	791	0.679
ENSP00000358737	4.47E-06	-0.1041	0	0.108
ENSP00000380671	2.20E-07	-0.1041	0	0.208
ENSP00000343171	7.65E-06	-0.1041	0	0.209
ENSP00000259467	5.51E-05	-0.1041	866	0.094
ENSP00000219091	4.01E-06	-0.1042	0	0.702
ENSP00000338477	3.86E-05	-0.1042	615	0.872
ENSP00000439128	9.30E-06	-0.1042	347	0.236
ENSP00000282869	3.75E-06	-0.1042	0	0.676
ENSP00000250916	3.82E-06	-0.1042	0	0.719
ENSP00000332668	1.37E-05	-0.1042	271	0.775
ENSP00000308219	2.31E-05	-0.1042	216	0.589

ENSP00000246548	8.63E-06	-0.1042	276	0.648
ENSP00000274311	3.87E-05	-0.1042	167	0.219
ENSP00000369162	8.44E-06	-0.1042	0	0.820
ENSP00000369371	5.89E-06	-0.1042	0	0.094
ENSP00000349977	5.22E-06	-0.1042	0	0.441
ENSP00000314153	4.05E-06	-0.1042	0	0.718
ENSP00000362244	5.23E-06	-0.1043	0	0.073
ENSP00000348924	1.77E-05	-0.1043	900	0.000
ENSP00000284957	4.27E-06	-0.1043	0	0.156
ENSP00000301480	4.99E-06	-0.1043	0	0.709
ENSP00000295463	2.59E-05	-0.1043	357	0.378
ENSP00000226247	3.11E-06	-0.1043	0	0.000
ENSP00000263791	2.11E-05	-0.1043	658	0.748
ENSP00000313953	4.57E-06	-0.1043	0	0.820
ENSP00000155093	3.79E-06	-0.1043	0	0.717
ENSP00000312535	5.00E-06	-0.1043	0	0.659
ENSP00000266269	4.02E-06	-0.1043	0	0.760
ENSP00000361845	1.90E-05	-0.1043	340	0.419
ENSP00000359393	2.34E-05	-0.1044	269	0.917
ENSP00000395590	4.57E-06	-0.1044	0	0.561
ENSP00000362717	2.86E-05	-0.1044	250	0.849
ENSP00000356903	1.52E-05	-0.1044	0	0.152
ENSP00000419005	8.70E-06	-0.1044	0	0.722
ENSP00000337466	1.12E-05	-0.1044	0	0.144
ENSP00000313877	1.03E-05	-0.1044	378	0.646
ENSP00000415151	8.24E-06	-0.1045	0	0.739
ENSP00000372191	3.05E-05	-0.1045	407	0.809
ENSP00000417063	1.16E-06	-0.1045	0	0.172
ENSP00000369571	4.94E-06	-0.1045	0	0.336
ENSP00000333776	5.00E-06	-0.1045	0	0.685
ENSP00000339834	1.19E-04	-0.1045	0	0.300
ENSP00000455099	1.01E-06	-0.1045	0	0.145
ENSP00000246229	4.03E-06	-0.1045	0	0.734
ENSP00000277225	7.06E-06	-0.1045	0	0.693
ENSP00000318195	3.36E-05	-0.1045	262	0.753
ENSP00000223210	3.54E-06	-0.1045	0	0.640
ENSP00000391641	5.78E-06	-0.1045	0	0.708
ENSP00000292427	1.82E-05	-0.1045	265	0.544
ENSP00000315768	2.95E-05	-0.1045	233	0.894
ENSP00000354878	4.69E-06	-0.1046	0	0.248
ENSP00000337722	2.48E-05	-0.1046	390	0.549
ENSP00000276072	1.30E-05	-0.1046	429	0.000
ENSP00000288221	4.04E-05	-0.1046	372	0.126
ENSP00000219478	3.97E-06	-0.1046	0	0.696
ENSP00000365924	4.19E-06	-0.1046	0	0.299
ENSP00000303057	4.12E-05	-0.1046	424	0.209

ENSP00000337332	2.61E-05	-0.1046	185	0.864
ENSP00000359398	6.31E-06	-0.1046	0	0.148
ENSP00000349147	6.97E-06	-0.1046	189	0.154
ENSP00000348706	1.68E-05	-0.1046	845	0.000
ENSP00000249363	4.30E-06	-0.1046	0	0.659
ENSP00000382000	1.26E-06	-0.1046	0	0.138
ENSP00000372955	4.76E-06	-0.1046	0	0.000
ENSP00000340820	3.27E-05	-0.1046	974	0.898
ENSP00000335500	1.21E-05	-0.1046	0	0.132
ENSP00000384211	1.67E-05	-0.1046	172	0.306
ENSP00000314414	5.02E-06	-0.1046	0	0.000
ENSP00000365898	3.31E-06	-0.1047	0	0.000
ENSP00000359727	1.69E-05	-0.1047	384	0.389
ENSP00000328732	4.03E-06	-0.1047	0	0.000
ENSP00000244020	1.77E-05	-0.1047	400	0.948
ENSP00000338860	4.36E-06	-0.1047	0	0.690
ENSP00000331214	7.65E-06	-0.1047	0	0.000
ENSP00000220062	9.80E-06	-0.1047	504	0.613
ENSP00000284898	4.83E-06	-0.1047	0	0.474
ENSP00000352185	3.88E-06	-0.1047	0	0.000
ENSP00000361635	8.43E-06	-0.1047	191	0.458
ENSP00000379839	2.45E-05	-0.1047	213	0.288
ENSP00000300209	6.26E-05	-0.1047	348	0.177
ENSP00000372326	1.26E-05	-0.1047	236	0.479
ENSP00000429986	4.08E-06	-0.1048	0	0.530
ENSP00000276590	2.83E-06	-0.1048	0	0.000
ENSP00000401701	5.61E-06	-0.1048	0	0.130
ENSP00000256996	5.93E-06	-0.1048	0	0.796
ENSP00000291182	4.49E-06	-0.1048	0	0.698
ENSP00000370119	2.41E-05	-0.1048	197	0.717
ENSP00000294172	3.54E-05	-0.1048	398	0.835
ENSP00000341243	2.49E-05	-0.1048	325	0.900
ENSP00000411372	1.09E-07	-0.1048	0	0.215
ENSP00000360664	1.59E-05	-0.1048	324	0.727
ENSP00000263694	4.80E-05	-0.1048	183	0.819
ENSP00000342235	3.28E-05	-0.1048	640	0.958
ENSP00000344635	4.31E-05	-0.1049	246	0.706
ENSP00000321209	5.76E-06	-0.1049	0	0.747
ENSP00000296220	4.19E-05	-0.1049	427	0.151
ENSP00000355963	8.03E-06	-0.1049	418	0.284
ENSP00000284878	4.00E-05	-0.1049	159	0.310
ENSP00000253794	3.36E-05	-0.1049	325	0.299
ENSP00000263038	1.93E-05	-0.1050	0	0.239
ENSP00000264515	3.50E-05	-0.1050	279	0.888
ENSP00000352821	1.76E-05	-0.1050	0	0.094
ENSP00000292616	5.16E-06	-0.1050	0	0.636

ENSP00000448689	7.51E-06	-0.1050	0	0.399
ENSP00000359070	2.68E-05	-0.1050	836	0.110
ENSP00000219069	3.74E-06	-0.1050	0	0.664
ENSP00000354441	5.26E-06	-0.1050	0	0.175
ENSP00000356410	6.99E-06	-0.1050	249	0.356
ENSP00000263125	8.68E-06	-0.1050	900	0.662
ENSP00000370034	2.09E-05	-0.1050	242	0.886
ENSP00000376965	2.82E-05	-0.1050	211	0.644
ENSP00000321388	8.59E-06	-0.1051	202	0.708
ENSP00000391592	1.60E-05	-0.1051	0	0.835
ENSP00000353739	9.00E-06	-0.1051	208	0.489
ENSP00000233078	4.33E-05	-0.1052	389	0.830
ENSP00000273261	5.69E-06	-0.1052	0	0.695
ENSP00000261908	3.58E-05	-0.1052	198	0.450
ENSP00000276461	3.94E-05	-0.1052	394	0.184
ENSP00000269856	2.26E-05	-0.1052	279	0.600
ENSP00000319851	8.41E-06	-0.1052	0	0.091
ENSP00000272223	4.36E-06	-0.1052	0	0.786
ENSP00000263238	1.53E-05	-0.1052	378	0.667
ENSP00000265087	4.40E-05	-0.1052	235	0.334
ENSP00000256722	3.97E-06	-0.1052	0	0.442
ENSP00000301310	4.47E-06	-0.1053	0	0.697
ENSP00000315931	1.87E-05	-0.1053	198	0.316
ENSP00000378089	1.88E-05	-0.1053	229	0.564
ENSP00000211936	3.89E-06	-0.1053	0	0.703
ENSP00000299575	3.78E-06	-0.1053	0	0.660
ENSP00000301788	4.49E-06	-0.1053	0	0.751
ENSP00000296755	3.53E-05	-0.1053	296	0.720
ENSP00000385746	1.91E-05	-0.1053	250	0.313
ENSP00000229971	2.09E-06	-0.1054	0	0.000
ENSP00000256689	3.17E-05	-0.1054	151	0.082
ENSP00000355251	8.64E-06	-0.1054	0	0.121
ENSP00000360329	1.79E-05	-0.1054	343	0.693
ENSP00000261483	2.02E-05	-0.1054	211	0.168
ENSP00000204517	4.47E-05	-0.1054	150	0.745
ENSP00000349356	3.27E-05	-0.1055	272	0.384
ENSP00000285979	8.52E-06	-0.1055	160	0.229
ENSP00000374529	7.59E-06	-0.1055	0	0.769
ENSP00000365439	2.80E-05	-0.1055	739	0.793
ENSP00000376472	1.32E-05	-0.1055	189	0.265
ENSP00000399718	6.36E-06	-0.1055	220	0.306
ENSP00000325655	1.58E-06	-0.1055	0	0.164
ENSP00000340691	2.50E-05	-0.1055	419	0.860
ENSP00000358765	5.96E-06	-0.1055	0	0.692
ENSP00000287598	3.93E-06	-0.1055	0	0.544
ENSP00000368135	7.13E-06	-0.1056	0	0.652

ENSP00000230122	3.57E-06	-0.1056	0	0.670
ENSP00000367851	1.37E-05	-0.1056	198	0.666
ENSP00000284000	2.98E-05	-0.1056	582	0.772
ENSP00000305976	4.78E-06	-0.1056	0	0.706
ENSP00000282296	5.08E-06	-0.1056	0	0.689
ENSP00000357132	7.90E-06	-0.1057	0	0.159
ENSP00000320295	2.58E-05	-0.1057	420	0.000
ENSP00000313983	1.32E-05	-0.1057	244	0.936
ENSP00000372155	9.46E-06	-0.1057	215	0.480
ENSP00000287916	5.05E-05	-0.1057	373	0.154
ENSP00000218652	4.53E-05	-0.1057	203	0.071
ENSP00000342137	2.35E-04	-0.1058	0	0.130
ENSP00000343314	4.66E-06	-0.1058	0	0.165
ENSP00000263918	3.59E-05	-0.1058	163	0.237
ENSP00000293725	4.21E-06	-0.1058	0	0.682
ENSP00000327314	4.79E-06	-0.1058	0	0.678
ENSP00000346160	5.32E-06	-0.1058	0	0.621
ENSP00000304769	4.60E-06	-0.1058	0	0.731
ENSP00000470580	1.92E-06	-0.1058	0	0.000
ENSP00000292562	5.39E-06	-0.1058	0	0.692
ENSP00000216727	3.22E-05	-0.1058	186	0.879
ENSP00000262710	4.81E-05	-0.1058	382	0.744
ENSP00000321195	1.52E-05	-0.1058	151	0.386
ENSP00000376135	4.03E-06	-0.1059	0	0.686
ENSP00000339767	4.22E-06	-0.1059	0	0.690
ENSP00000328625	5.67E-06	-0.1059	0	0.000
ENSP00000225430	2.16E-05	-0.1059	186	0.715
ENSP00000321656	2.30E-05	-0.1059	198	0.775
ENSP00000337501	1.28E-05	-0.1059	216	0.000
ENSP00000344162	3.48E-06	-0.1059	0	0.688
ENSP00000313881	9.19E-06	-0.1059	0	0.209
ENSP00000284273	2.02E-05	-0.1059	485	0.869
ENSP00000246337	1.21E-05	-0.1059	359	0.658
ENSP00000324204	1.58E-04	-0.1059	0	0.000
ENSP00000378792	3.57E-06	-0.1059	0	0.707
ENSP00000353089	1.93E-05	-0.1060	318	0.787
ENSP00000262288	3.85E-05	-0.1060	161	0.169
ENSP00000269025	6.25E-06	-0.1060	0	0.495
ENSP00000354553	5.24E-06	-0.1060	0	0.000
ENSP00000326879	1.81E-04	-0.1060	0	0.169
ENSP00000328187	3.68E-05	-0.1060	0	0.097
ENSP00000371070	1.98E-05	-0.1060	165	0.151
ENSP00000371084	1.22E-05	-0.1060	0	0.124
ENSP00000009041	8.41E-05	-0.1060	0	0.139
ENSP00000295959	2.82E-04	-0.1060	0	0.129
ENSP00000336866	4.65E-05	-0.1060	150	0.180

ENSP00000275227	1.97E-04	-0.1061	0	0.145
ENSP00000233047	2.58E-04	-0.1061	0	0.155
ENSP00000305804	3.76E-06	-0.1061	0	0.699
ENSP00000358716	2.12E-05	-0.1061	348	0.893
ENSP00000299687	3.23E-06	-0.1061	0	0.675
ENSP00000289153	1.67E-05	-0.1061	197	0.861
ENSP00000261973	2.83E-05	-0.1061	550	0.730
ENSP00000364430	9.99E-06	-0.1061	328	0.807
ENSP00000340519	9.77E-05	-0.1061	0	0.114
ENSP00000245960	2.61E-05	-0.1061	181	0.732
ENSP00000338533	1.76E-04	-0.1061	0	0.146
ENSP00000378307	1.97E-05	-0.1062	308	0.921
ENSP00000364277	1.44E-05	-0.1062	179	0.585
ENSP00000237281	1.87E-04	-0.1062	0	0.203
ENSP00000313158	4.71E-06	-0.1062	0	0.698
ENSP00000383986	1.48E-05	-0.1062	165	0.549
ENSP00000181796	2.10E-04	-0.1062	0	0.157
ENSP00000216218	4.12E-05	-0.1062	237	0.160
ENSP00000339280	8.44E-06	-0.1062	0	0.133
ENSP00000274457	1.99E-05	-0.1062	279	0.559
ENSP00000366693	2.94E-06	-0.1062	0	0.000
ENSP00000244520	2.68E-05	-0.1062	546	0.894
ENSP00000217130	5.81E-06	-0.1062	0	0.654
ENSP00000322439	1.14E-05	-0.1062	416	0.717
ENSP00000290310	9.05E-06	-0.1062	0	0.243
ENSP00000375795	2.32E-05	-0.1062	576	0.639
ENSP00000349748	1.39E-05	-0.1063	270	0.746
ENSP00000376943	2.76E-05	-0.1063	265	0.897
ENSP00000333266	1.18E-05	-0.1063	282	0.501
ENSP00000413405	1.96E-05	-0.1063	171	0.067
ENSP00000310182	1.28E-04	-0.1063	0	0.164
ENSP00000270459	3.58E-06	-0.1063	0	0.000
ENSP00000272638	4.19E-05	-0.1063	198	0.110
ENSP00000266529	9.16E-05	-0.1063	0	0.376
ENSP00000471593	1.98E-06	-0.1063	0	0.697
ENSP00000471607	1.98E-06	-0.1063	0	0.000
ENSP00000471613	1.98E-06	-0.1063	0	0.000
ENSP00000472160	1.98E-06	-0.1063	0	0.000
ENSP00000472277	1.98E-06	-0.1063	0	0.000
ENSP00000472894	1.98E-06	-0.1063	0	0.000
ENSP00000473043	1.98E-06	-0.1063	0	0.000
ENSP00000473166	1.98E-06	-0.1063	0	0.000
ENSP00000473243	1.98E-06	-0.1063	0	0.697
ENSP00000302768	3.83E-05	-0.1063	292	0.655
ENSP00000268616	2.41E-05	-0.1063	245	0.907
ENSP00000304941	9.48E-05	-0.1063	0	0.100

ENSP00000302021	1.92E-05	-0.1063	300	0.080
ENSP00000417509	6.88E-06	-0.1063	0	0.142
ENSP00000228850	5.51E-06	-0.1063	0	0.041
ENSP00000295958	1.12E-04	-0.1063	0	0.117
ENSP00000367545	9.94E-06	-0.1063	0	0.807
ENSP00000327589	5.07E-06	-0.1063	0	0.443
ENSP00000361467	1.11E-05	-0.1063	190	0.465
ENSP00000331106	8.79E-05	-0.1063	0	0.052
ENSP00000468271	1.98E-06	-0.1063	0	0.000
ENSP00000295598	7.68E-06	-0.1063	211	0.442
ENSP00000262291	2.73E-05	-0.1063	198	0.685
ENSP00000466387	1.99E-06	-0.1064	0	0.000
ENSP00000465960	1.99E-06	-0.1064	0	0.671
ENSP00000280560	1.07E-05	-0.1064	160	0.374
ENSP00000364166	1.92E-06	-0.1064	0	0.113
ENSP00000309570	4.09E-06	-0.1064	0	0.759
ENSP00000305995	2.12E-05	-0.1064	364	0.602
ENSP00000261991	1.15E-05	-0.1064	303	0.000
ENSP00000269834	5.16E-06	-0.1064	0	0.707
ENSP00000309640	7.76E-05	-0.1064	0	0.148
ENSP00000380921	8.96E-06	-0.1064	0	0.606
ENSP00000458124	1.99E-06	-0.1064	0	0.000
ENSP00000455659	1.99E-06	-0.1064	0	0.000
ENSP00000456213	1.99E-06	-0.1064	0	0.000
ENSP00000342148	8.81E-05	-0.1064	0	0.081
ENSP00000319726	7.42E-05	-0.1064	0	0.119
ENSP00000368984	6.69E-06	-0.1064	0	0.869
ENSP00000339208	3.22E-05	-0.1064	584	0.259
ENSP00000253159	1.30E-05	-0.1064	195	0.676
ENSP00000282388	2.51E-05	-0.1064	227	0.654
ENSP00000375859	3.46E-06	-0.1065	0	0.130
ENSP00000349250	2.17E-05	-0.1065	274	0.497
ENSP00000363500	1.32E-05	-0.1065	805	0.198
ENSP00000219551	1.57E-05	-0.1065	288	0.388
ENSP00000325448	9.97E-06	-0.1065	334	0.768
ENSP00000338290	4.59E-06	-0.1065	0	0.700
ENSP00000369820	7.58E-06	-0.1065	0	0.411
ENSP00000417686	2.76E-05	-0.1065	211	0.843
ENSP00000362824	1.61E-05	-0.1065	451	0.000
ENSP00000301945	3.99E-05	-0.1065	482	0.360
ENSP00000337797	1.98E-05	-0.1065	471	0.000
ENSP00000284503	4.20E-05	-0.1065	0	0.284
ENSP00000447931	2.00E-06	-0.1065	0	0.697
ENSP00000447987	2.00E-06	-0.1065	0	0.000
ENSP00000251864	2.18E-05	-0.1065	273	0.295
ENSP00000349669	1.80E-05	-0.1065	291	0.000



ENSP00000306822	2.94E-05	-0.1065	501	0.450
ENSP00000008527	1.87E-05	-0.1065	259	0.727
ENSP00000285697	8.88E-05	-0.1065	0	0.545
ENSP00000255006	4.87E-05	-0.1065	0	0.203
ENSP00000274255	2.38E-05	-0.1065	242	0.806
ENSP00000441995	2.01E-06	-0.1065	0	0.000
ENSP00000230099	6.25E-05	-0.1065	0	0.000
ENSP00000292450	4.54E-06	-0.1066	0	0.718
ENSP00000250124	3.09E-05	-0.1066	216	0.200
ENSP00000219204	7.30E-05	-0.1066	0	0.142
ENSP00000296255	2.30E-05	-0.1066	704	0.571
ENSP00000285737	2.78E-05	-0.1066	303	0.340
ENSP00000396308	3.22E-05	-0.1066	425	0.797
ENSP00000298492	7.37E-05	-0.1066	0	0.307
ENSP00000215829	2.03E-05	-0.1066	580	0.872
ENSP00000307549	6.60E-05	-0.1066	0	0.092
ENSP00000326933	7.77E-05	-0.1066	0	0.269
ENSP00000307858	5.41E-06	-0.1066	0	0.710
ENSP00000322926	3.87E-05	-0.1066	0	0.135
ENSP00000357189	1.25E-05	-0.1066	214	0.721
ENSP00000278314	4.79E-06	-0.1066	0	0.719
ENSP00000358217	3.81E-06	-0.1067	0	0.700
ENSP00000295987	2.44E-05	-0.1067	546	0.688
ENSP00000334642	4.32E-05	-0.1067	0	0.140
ENSP00000238936	7.67E-05	-0.1067	0	0.134
ENSP00000261880	7.64E-05	-0.1067	0	0.120
ENSP00000323527	4.38E-05	-0.1067	0	0.102
ENSP00000265909	5.78E-05	-0.1067	0	0.100
ENSP00000204549	5.60E-05	-0.1067	0	0.121
ENSP00000198767	2.91E-05	-0.1067	260	0.769
ENSP00000223190	3.10E-05	-0.1067	195	0.708
ENSP00000285243	3.77E-05	-0.1067	0	0.134
ENSP00000280706	1.74E-05	-0.1067	329	0.497
ENSP00000410360	1.17E-06	-0.1067	0	0.000
ENSP00000262726	6.21E-06	-0.1067	153	0.000
ENSP00000332716	1.03E-04	-0.1067	0	0.156
ENSP00000330432	6.16E-05	-0.1067	0	0.103
ENSP00000345728	3.00E-05	-0.1067	919	0.580
ENSP00000354592	1.13E-05	-0.1067	576	0.759
ENSP00000413964	1.77E-05	-0.1067	256	0.782
ENSP00000337461	1.21E-05	-0.1067	0	0.151
ENSP00000341597	1.32E-04	-0.1067	0	0.173
ENSP00000421652	2.05E-06	-0.1068	0	0.000
ENSP00000250113	3.16E-05	-0.1068	250	0.581
ENSP00000438895	1.44E-07	-0.1068	0	0.181
ENSP00000263026	5.66E-05	-0.1068	0	0.568

ENSP00000010299	5.63E-05	-0.1068	0	0.313
ENSP00000263549	3.63E-05	-0.1068	0	0.227
ENSP00000075503	7.30E-06	-0.1068	568	0.682
ENSP00000365730	2.95E-05	-0.1068	520	0.652
ENSP00000358575	2.91E-05	-0.1068	197	0.000
ENSP00000300146	2.28E-05	-0.1068	220	0.752
ENSP00000471714	1.98E-06	-0.1068	0	0.000
ENSP00000289431	4.20E-05	-0.1068	0	0.167
ENSP00000263849	5.94E-05	-0.1068	0	0.163
ENSP00000350576	4.30E-06	-0.1068	0	0.693
ENSP00000286719	1.18E-05	-0.1068	713	0.652
ENSP00000215794	6.22E-06	-0.1068	0	0.270
ENSP00000275732	3.84E-05	-0.1068	0	0.355
ENSP00000282441	2.46E-05	-0.1068	983	0.833
ENSP00000301329	4.73E-05	-0.1068	0	0.114
ENSP00000353246	5.48E-06	-0.1068	0	0.866
ENSP00000331577	3.83E-06	-0.1068	0	0.678
ENSP00000356520	2.87E-05	-0.1069	368	0.874
ENSP00000313829	3.45E-05	-0.1069	357	0.791
ENSP00000259818	1.45E-05	-0.1069	406	0.616
ENSP00000339933	1.31E-05	-0.1069	311	0.767
ENSP00000326119	3.35E-05	-0.1069	158	0.756
ENSP00000254624	5.80E-05	-0.1069	0	0.141
ENSP00000376767	7.57E-06	-0.1069	0	0.164
ENSP00000299157	3.92E-05	-0.1069	0	0.106
ENSP00000344786	3.13E-05	-0.1069	914	0.441
ENSP00000308845	9.18E-06	-0.1069	360	0.641
ENSP00000274000	4.04E-05	-0.1069	0	0.072
ENSP00000233055	7.98E-06	-0.1069	0	0.401
ENSP00000292672	3.73E-05	-0.1069	0	0.164
ENSP00000431759	4.38E-06	-0.1069	0	0.000
ENSP00000264312	3.78E-05	-0.1069	0	0.125
ENSP00000354414	2.97E-06	-0.1069	0	0.685
ENSP00000419397	2.07E-06	-0.1069	0	0.697
ENSP00000316007	4.52E-05	-0.1069	0	0.124
ENSP00000361835	3.10E-05	-0.1069	237	0.000
ENSP00000001146	3.37E-05	-0.1069	493	0.313
ENSP00000361672	3.04E-06	-0.1069	0	0.000
ENSP00000284274	6.76E-05	-0.1070	0	0.000
ENSP00000303248	1.22E-05	-0.1070	357	0.677
ENSP00000264993	4.36E-05	-0.1070	0	0.179
ENSP00000379607	4.70E-06	-0.1070	0	0.213
ENSP00000323879	3.66E-05	-0.1070	0	0.112
ENSP00000232905	2.51E-05	-0.1070	311	0.695
ENSP00000261520	5.89E-05	-0.1070	0	0.000
ENSP00000246551	3.21E-05	-0.1070	0	0.444

ENSP00000348838	8.17E-06	-0.1070	0	0.539
ENSP00000288680	3.12E-05	-0.1070	0	0.166
ENSP00000301096	3.80E-06	-0.1070	0	0.706
ENSP00000383587	3.26E-06	-0.1070	0	0.352
ENSP00000348459	4.17E-06	-0.1070	0	0.035
ENSP00000367835	3.66E-06	-0.1070	0	0.806
ENSP00000309432	4.55E-05	-0.1070	0	0.087
ENSP00000234301	5.12E-05	-0.1071	0	0.120
ENSP00000346964	1.11E-05	-0.1071	203	0.416
ENSP00000342322	3.39E-05	-0.1071	0	0.138
ENSP00000258439	4.81E-05	-0.1071	0	0.064
ENSP00000329117	2.42E-05	-0.1071	0	0.633
ENSP00000355353	1.95E-05	-0.1071	242	0.098
ENSP00000256649	3.53E-05	-0.1071	0	0.152
ENSP00000315182	3.36E-05	-0.1071	0	0.388
ENSP00000255759	3.87E-05	-0.1071	0	0.090
ENSP00000314949	2.65E-05	-0.1071	383	0.000
ENSP00000001008	1.60E-05	-0.1071	392	0.794
ENSP00000318089	3.14E-05	-0.1071	644	0.000
ENSP00000274217	5.58E-05	-0.1071	0	0.092
ENSP00000228437	4.14E-06	-0.1072	0	0.728
ENSP00000301335	3.16E-05	-0.1072	0	0.082
ENSP00000239231	3.65E-05	-0.1072	0	0.161
ENSP00000358698	2.58E-05	-0.1072	622	0.914
ENSP00000357459	1.60E-05	-0.1072	198	0.703
ENSP00000300850	4.45E-06	-0.1072	0	0.686
ENSP00000343002	2.85E-05	-0.1072	0	0.000
ENSP00000309175	2.71E-05	-0.1072	0	0.375
ENSP00000341961	5.52E-06	-0.1072	0	0.000
ENSP00000251809	8.94E-06	-0.1072	358	0.705
ENSP00000263519	5.82E-06	-0.1072	0	0.630
ENSP00000337222	3.21E-05	-0.1072	0	0.092
ENSP00000411132	2.09E-06	-0.1072	0	0.697
ENSP00000316898	2.28E-05	-0.1072	0	0.191
ENSP00000323313	7.14E-06	-0.1072	516	0.554
ENSP00000300952	3.72E-05	-0.1072	0	0.093
ENSP00000314077	9.29E-06	-0.1072	153	0.000
ENSP00000293879	5.12E-06	-0.1072	242	0.000
ENSP00000262370	3.04E-05	-0.1072	0	0.061
ENSP00000372105	3.22E-06	-0.1072	0	0.144
ENSP00000376824	7.27E-07	-0.1072	0	0.172
ENSP00000410545	2.09E-06	-0.1072	0	0.697
ENSP00000260648	3.28E-05	-0.1073	676	0.094
ENSP00000234831	3.83E-05	-0.1073	0	0.190
ENSP00000276569	4.31E-05	-0.1073	0	0.105
ENSP00000340281	3.36E-05	-0.1073	445	0.550

ENSP00000363418	8.60E-06	-0.1073	0	0.206
ENSP00000264447	2.29E-05	-0.1073	0	0.548
ENSP00000204726	3.73E-05	-0.1073	0	0.082
ENSP00000355922	4.10E-06	-0.1073	0	0.431
ENSP00000363054	2.50E-05	-0.1073	257	0.220
ENSP00000259746	3.30E-05	-0.1073	0	0.102
ENSP00000332744	1.11E-05	-0.1073	169	0.848
ENSP00000414887	2.09E-06	-0.1073	0	0.698
ENSP00000328694	7.64E-06	-0.1073	171	0.658
ENSP00000308179	3.80E-06	-0.1073	0	0.865
ENSP00000378359	1.57E-05	-0.1074	432	0.293
ENSP00000291458	2.96E-05	-0.1074	0	0.126
ENSP00000259939	3.26E-05	-0.1074	0	0.208
ENSP00000321706	3.59E-05	-0.1074	163	0.619
ENSP00000409652	2.10E-06	-0.1074	0	0.697
ENSP00000265350	2.79E-05	-0.1074	0	0.681
ENSP00000319482	3.41E-05	-0.1074	0	0.226
ENSP00000286307	2.97E-05	-0.1074	0	0.508
ENSP00000361705	5.23E-06	-0.1074	0	0.303
ENSP00000380315	6.37E-06	-0.1074	0	0.686
ENSP00000335397	5.97E-06	-0.1074	0	0.720
ENSP00000301264	8.67E-06	-0.1074	800	0.672
ENSP00000316042	3.53E-05	-0.1074	246	0.862
ENSP00000340427	2.49E-05	-0.1074	0	0.092
ENSP00000312397	2.54E-05	-0.1074	0	0.087
ENSP00000328178	2.52E-05	-0.1074	0	0.000
ENSP00000280756	4.73E-05	-0.1074	0	0.000
ENSP00000373715	7.21E-06	-0.1074	195	0.744
ENSP00000258739	1.98E-05	-0.1074	276	0.147
ENSP00000286091	1.85E-05	-0.1074	949	0.629
ENSP00000314655	1.87E-05	-0.1074	0	0.761
ENSP00000265843	3.78E-05	-0.1074	0	0.114
ENSP00000238892	2.54E-05	-0.1074	369	0.237
ENSP00000320663	4.86E-05	-0.1075	198	0.625
ENSP00000231512	3.23E-05	-0.1075	0	0.099
ENSP00000338727	3.52E-05	-0.1075	0	0.123
ENSP00000322373	2.18E-05	-0.1075	0	0.118
ENSP00000320940	2.60E-05	-0.1075	900	0.804
ENSP00000292433	1.13E-04	-0.1075	0	0.434
ENSP00000258648	2.40E-05	-0.1075	571	0.693
ENSP00000205636	3.15E-05	-0.1075	0	0.130
ENSP00000299192	5.93E-05	-0.1075	0	0.643
ENSP00000272748	2.92E-05	-0.1075	0	0.154
ENSP00000407653	3.58E-07	-0.1075	0	0.203
ENSP00000242810	2.86E-05	-0.1075	0	0.080
ENSP00000238875	3.05E-05	-0.1075	0	0.101

ENSP00000248706	9.51E-06	-0.1075	448	0.596
ENSP00000267294	4.30E-06	-0.1075	0	0.806
ENSP00000156825	3.17E-05	-0.1075	0	0.786
ENSP00000367193	2.96E-08	-0.1075	0	0.217
ENSP00000261739	3.87E-05	-0.1075	0	0.112
ENSP00000306220	2.98E-05	-0.1075	0	0.093
ENSP00000309509	2.77E-05	-0.1075	0	0.139
ENSP00000173527	3.14E-05	-0.1075	0	0.117
ENSP00000312678	3.03E-05	-0.1075	0	0.253
ENSP00000294353	2.81E-05	-0.1075	0	0.232
ENSP00000352035	2.21E-05	-0.1075	900	0.370
ENSP00000335201	2.35E-05	-0.1076	0	0.188
ENSP00000300231	2.36E-05	-0.1076	0	0.277
ENSP00000257787	2.95E-05	-0.1076	0	0.154
ENSP00000438863	3.13E-06	-0.1076	0	0.158
ENSP00000293760	2.92E-05	-0.1076	221	0.522
ENSP00000252599	1.35E-04	-0.1076	0	0.120
ENSP00000305556	2.26E-05	-0.1076	352	0.877
ENSP00000265388	4.20E-05	-0.1076	323	0.467
ENSP00000455300	1.98E-06	-0.1076	0	0.000
ENSP00000342830	2.64E-05	-0.1076	307	0.775
ENSP00000289382	3.45E-05	-0.1076	0	0.283
ENSP00000315263	2.39E-05	-0.1076	0	0.096
ENSP00000314724	2.94E-05	-0.1076	0	0.119
ENSP00000390661	9.53E-07	-0.1076	0	0.147
ENSP00000253363	1.88E-05	-0.1076	221	0.883
ENSP00000272995	2.81E-05	-0.1076	0	0.313
ENSP00000225983	1.58E-05	-0.1077	323	0.000
ENSP00000349496	9.40E-06	-0.1077	0	0.111
ENSP00000275072	3.66E-05	-0.1077	0	0.121
ENSP00000281950	3.12E-05	-0.1077	0	0.616
ENSP00000273986	2.07E-05	-0.1077	179	0.099
ENSP00000344544	2.10E-05	-0.1077	199	0.833
ENSP00000355308	1.35E-05	-0.1077	284	0.000
ENSP00000371722	1.02E-06	-0.1077	0	0.118
ENSP00000297578	2.14E-05	-0.1077	0	0.093
ENSP00000253458	2.35E-05	-0.1077	0	0.186
ENSP00000257909	2.58E-05	-0.1077	0	0.204
ENSP00000336856	3.10E-05	-0.1077	269	0.934
ENSP00000246151	4.59E-05	-0.1077	0	0.096
ENSP00000297857	6.16E-05	-0.1077	184	0.530
ENSP00000260956	1.74E-05	-0.1077	518	0.934
ENSP00000292432	5.88E-06	-0.1077	202	0.654
ENSP00000373726	2.17E-06	-0.1077	0	0.114
ENSP00000293883	5.24E-06	-0.1077	0	0.090
ENSP00000325868	3.80E-06	-0.1077	0	0.074

ENSP00000255305	3.21E-05	-0.1078	0	0.238
ENSP00000355621	8.45E-06	-0.1078	316	0.557
ENSP00000249064	2.74E-05	-0.1078	0	0.208
ENSP00000318804	2.69E-05	-0.1078	0	0.090
ENSP00000321724	1.88E-05	-0.1078	167	0.345
ENSP00000296666	4.30E-05	-0.1078	0	0.132
ENSP00000255416	2.43E-05	-0.1078	0	0.167
ENSP00000360824	2.73E-06	-0.1078	0	0.143
ENSP00000445446	2.56E-06	-0.1078	0	0.118
ENSP00000233084	1.63E-05	-0.1078	305	0.930
ENSP00000263960	2.01E-05	-0.1078	0	0.086
ENSP00000366156	3.59E-06	-0.1078	0	0.340
ENSP00000291592	4.95E-06	-0.1078	0	0.675
ENSP00000296682	3.73E-06	-0.1078	0	0.698
ENSP00000306524	5.81E-06	-0.1079	0	0.673
ENSP00000304985	7.15E-06	-0.1079	150	0.724
ENSP00000356363	1.40E-05	-0.1079	0	0.209
ENSP00000306788	2.63E-05	-0.1079	0	0.070
ENSP00000292879	2.14E-05	-0.1079	0	0.747
ENSP00000310471	6.48E-05	-0.1079	0	0.414
ENSP00000231487	1.25E-05	-0.1079	319	0.846
ENSP00000416097	1.93E-05	-0.1079	313	0.280
ENSP00000263377	2.49E-05	-0.1079	340	0.920
ENSP00000271620	3.51E-05	-0.1079	0	0.058
ENSP00000337443	2.18E-05	-0.1079	0	0.121
ENSP00000306123	2.23E-05	-0.1079	0	0.439
ENSP00000283006	2.05E-05	-0.1079	0	0.387
ENSP00000258821	2.55E-05	-0.1079	0	0.164
ENSP00000338258	4.11E-05	-0.1079	0	0.066
ENSP00000216144	4.34E-06	-0.1079	153	0.000
ENSP00000247178	2.00E-05	-0.1079	0	0.240
ENSP00000261858	2.02E-05	-0.1080	0	0.524
ENSP00000372724	9.09E-06	-0.1080	0	0.181
ENSP00000437878	2.03E-06	-0.1080	0	0.000
ENSP00000345708	1.79E-05	-0.1080	264	0.782
ENSP00000299381	2.96E-05	-0.1080	0	0.169
ENSP00000011898	2.07E-05	-0.1080	0	0.121
ENSP00000348596	4.86E-06	-0.1080	0	0.857
ENSP00000270257	2.54E-05	-0.1080	0	0.573
ENSP00000312143	5.61E-06	-0.1080	0	0.753
ENSP00000333948	2.06E-05	-0.1080	0	0.498
ENSP00000295470	3.26E-05	-0.1080	425	0.000
ENSP00000344424	2.88E-05	-0.1080	0	0.000
ENSP00000332247	2.18E-05	-0.1080	215	0.196
ENSP00000337226	2.79E-05	-0.1080	0	0.251
ENSP00000343581	4.53E-06	-0.1080	0	0.690

ENSP00000264193	2.04E-05	-0.1080	294	0.546
ENSP00000229595	1.58E-05	-0.1080	427	0.946
ENSP00000261441	1.95E-05	-0.1080	0	0.089
ENSP00000375598	3.37E-06	-0.1080	0	0.688
ENSP00000252329	2.18E-05	-0.1081	0	0.161
ENSP00000258198	1.97E-05	-0.1081	0	0.167
ENSP00000221200	2.04E-05	-0.1081	0	0.090
ENSP00000381290	8.77E-07	-0.1081	0	0.341
ENSP00000340329	1.84E-05	-0.1081	0	0.682
ENSP00000273963	2.13E-05	-0.1081	0	0.114
ENSP00000338629	3.60E-05	-0.1081	364	0.817
ENSP00000333255	2.00E-05	-0.1081	0	0.103
ENSP00000377873	5.39E-06	-0.1081	0	0.701
ENSP00000333019	4.72E-06	-0.1081	0	0.461
ENSP00000360154	2.10E-05	-0.1081	227	0.363
ENSP00000229395	2.43E-05	-0.1081	0	0.155
ENSP00000361186	1.43E-05	-0.1081	0	0.367
ENSP00000262992	2.01E-05	-0.1081	0	0.115
ENSP00000005340	1.27E-05	-0.1082	652	0.898
ENSP00000281419	4.80E-05	-0.1082	242	0.297
ENSP00000268483	2.03E-05	-0.1082	172	0.582
ENSP00000287461	4.62E-06	-0.1082	0	0.698
ENSP00000340118	2.11E-05	-0.1082	0	0.324
ENSP00000216513	8.12E-06	-0.1082	0	0.794
ENSP00000316779	2.46E-05	-0.1082	535	0.430
ENSP00000296135	2.74E-05	-0.1082	0	0.103
ENSP00000265069	1.75E-05	-0.1082	0	0.466
ENSP00000269701	5.99E-05	-0.1082	0	0.499
ENSP00000242209	1.86E-05	-0.1082	304	0.413
ENSP00000314901	4.87E-06	-0.1082	0	0.656
ENSP00000362390	6.08E-06	-0.1082	0	0.757
ENSP00000405726	2.27E-05	-0.1082	228	0.799
ENSP00000342267	2.00E-05	-0.1082	0	0.171
ENSP00000326563	4.96E-05	-0.1082	0	0.495
ENSP00000221086	1.98E-05	-0.1082	0	0.148
ENSP00000323264	2.09E-05	-0.1082	0	0.146
ENSP00000193322	2.01E-05	-0.1082	0	0.071
ENSP00000278319	3.85E-06	-0.1082	0	0.702
ENSP00000349415	4.82E-06	-0.1082	0	0.183
ENSP00000309831	2.25E-05	-0.1082	0	0.524
ENSP00000342755	1.84E-05	-0.1082	0	0.428
ENSP00000411032	2.13E-06	-0.1082	0	0.696
ENSP00000304565	2.41E-05	-0.1082	178	0.000
ENSP00000258796	2.52E-05	-0.1082	0	0.063
ENSP00000301454	2.25E-05	-0.1082	0	0.116
ENSP00000262844	1.92E-05	-0.1083	0	0.052

ENSP00000355323	4.93E-06	-0.1083	0	0.000
ENSP00000236137	1.78E-05	-0.1083	0	0.056
ENSP00000309610	1.93E-05	-0.1083	0	0.246
ENSP00000326581	1.00E-05	-0.1083	202	0.787
ENSP00000440207	3.43E-06	-0.1083	0	0.218
ENSP00000338523	2.30E-05	-0.1083	0	0.100
ENSP00000294066	5.74E-06	-0.1083	246	0.638
ENSP00000364188	2.07E-05	-0.1083	326	0.498
ENSP00000340836	1.89E-05	-0.1083	217	0.406
ENSP00000309539	1.99E-05	-0.1083	202	0.530
ENSP00000254799	2.17E-05	-0.1083	0	0.497
ENSP00000359128	3.45E-06	-0.1083	0	0.223
ENSP00000282003	7.63E-05	-0.1083	0	0.328
ENSP00000301318	4.11E-06	-0.1083	0	0.703
ENSP00000301281	2.08E-05	-0.1083	0	0.102
ENSP00000324628	1.83E-05	-0.1083	0	0.211
ENSP00000216039	1.87E-05	-0.1083	0	0.076
ENSP00000220507	7.60E-06	-0.1084	204	0.567
ENSP00000297524	1.66E-05	-0.1084	0	0.075
ENSP00000298912	1.81E-05	-0.1084	347	0.441
ENSP00000261402	2.35E-05	-0.1084	0	0.450
ENSP00000328103	1.68E-05	-0.1084	0	0.395
ENSP00000348673	5.72E-06	-0.1084	0	0.692
ENSP00000336729	2.43E-05	-0.1084	0	0.066
ENSP00000399664	4.18E-06	-0.1084	0	0.704
ENSP00000321573	2.34E-05	-0.1084	0	0.128
ENSP00000350719	2.30E-05	-0.1084	347	0.476
ENSP00000317300	1.61E-05	-0.1084	0	0.143
ENSP00000308369	2.36E-05	-0.1084	221	0.430
ENSP00000309790	3.12E-05	-0.1084	0	0.366
ENSP00000335808	3.27E-05	-0.1084	0	0.131
ENSP00000270001	4.56E-06	-0.1084	0	0.688
ENSP00000346255	2.42E-05	-0.1084	345	0.499
ENSP00000300835	1.98E-05	-0.1084	0	0.123
ENSP00000369757	2.56E-05	-0.1084	311	0.819
ENSP00000377496	1.80E-05	-0.1084	311	0.305
ENSP00000334140	3.98E-06	-0.1084	0	0.165
ENSP00000264409	1.72E-05	-0.1084	155	0.000
ENSP00000238647	4.17E-05	-0.1084	0	0.111
ENSP00000256495	1.80E-05	-0.1084	195	0.840
ENSP00000313691	1.82E-05	-0.1084	225	0.322
ENSP00000261263	2.15E-05	-0.1085	0	0.126
ENSP00000260926	1.75E-05	-0.1085	163	0.859
ENSP00000256496	1.86E-05	-0.1085	0	0.076
ENSP00000247956	3.58E-06	-0.1085	0	0.649
ENSP00000349796	3.83E-06	-0.1085	0	0.674



ENSP00000381960	5.75E-06	-0.1085	0	0.000
ENSP00000325285	2.17E-05	-0.1085	0	0.070
ENSP00000329212	9.02E-06	-0.1085	233	0.000
ENSP00000312277	4.38E-06	-0.1085	0	0.675
ENSP00000438590	4.34E-06	-0.1085	0	0.121
ENSP00000261893	1.90E-05	-0.1085	205	0.178
ENSP00000387911	2.23E-05	-0.1085	161	0.707
ENSP00000266735	2.07E-05	-0.1085	402	0.811
ENSP00000265260	1.96E-04	-0.1085	252	0.143
ENSP00000334625	1.39E-05	-0.1085	0	0.095
ENSP00000264451	1.52E-05	-0.1085	0	0.419
ENSP00000280665	1.95E-05	-0.1085	0	0.757
ENSP00000262198	1.45E-05	-0.1085	0	0.253
ENSP00000269195	1.65E-05	-0.1085	0	0.157
ENSP00000383396	3.94E-07	-0.1085	0	0.168
ENSP00000470691	2.09E-06	-0.1085	0	0.000
ENSP00000322341	1.80E-05	-0.1085	333	0.658
ENSP00000371419	1.90E-05	-0.1086	204	0.581
ENSP00000264254	1.32E-05	-0.1086	0	0.111
ENSP00000388920	3.69E-06	-0.1086	0	0.577
ENSP00000358501	2.26E-05	-0.1086	581	0.800
ENSP00000263102	5.21E-05	-0.1086	196	0.547
ENSP00000225792	1.18E-05	-0.1086	398	0.888
ENSP00000297792	2.81E-06	-0.1086	0	0.000
ENSP00000423630	1.90E-05	-0.1086	0	0.096
ENSP00000276594	3.94E-06	-0.1086	0	0.772
ENSP00000265322	1.85E-05	-0.1086	161	0.314
ENSP00000329794	2.00E-06	-0.1086	0	0.135
ENSP00000289004	1.83E-05	-0.1086	0	0.192
ENSP00000222345	2.02E-05	-0.1086	0	0.080
ENSP00000258349	1.56E-05	-0.1086	0	0.404
ENSP00000273286	4.60E-06	-0.1086	0	0.582
ENSP00000372410	3.26E-07	-0.1086	0	0.192
ENSP00000326531	3.61E-05	-0.1087	0	0.565
ENSP00000344220	2.49E-05	-0.1087	205	0.886
ENSP00000361882	1.93E-05	-0.1087	0	0.000
ENSP00000262225	2.00E-05	-0.1087	276	0.170
ENSP00000463832	8.37E-07	-0.1087	0	0.000
ENSP00000331111	1.91E-05	-0.1087	222	0.760
ENSP00000331787	2.05E-05	-0.1087	0	0.084
ENSP00000370376	3.53E-05	-0.1087	225	0.720
ENSP00000305918	2.14E-05	-0.1087	246	0.931
ENSP00000224807	3.37E-05	-0.1087	0	0.086
ENSP00000257177	3.08E-05	-0.1087	159	0.770
ENSP00000309653	4.70E-06	-0.1087	0	0.757
ENSP00000216271	6.47E-06	-0.1087	339	0.000

ENSP00000198765	1.51E-05	-0.1087	0	0.215
ENSP00000319974	3.14E-05	-0.1087	0	0.309
ENSP00000399392	1.03E-05	-0.1087	357	0.126
ENSP00000260803	1.72E-05	-0.1087	0	0.713
ENSP00000359073	2.06E-05	-0.1088	150	0.750
ENSP00000262056	1.72E-05	-0.1088	255	0.936
ENSP00000297375	1.79E-05	-0.1088	382	0.864
ENSP00000242351	2.82E-05	-0.1088	0	0.352
ENSP00000266069	2.54E-05	-0.1088	0	0.209
ENSP00000337053	1.96E-05	-0.1088	811	0.643
ENSP00000261332	4.49E-06	-0.1088	0	0.707
ENSP00000261596	8.72E-06	-0.1088	163	0.662
ENSP00000419057	2.08E-06	-0.1088	0	0.000
ENSP00000320043	1.73E-05	-0.1088	0	0.147
ENSP00000308368	4.89E-05	-0.1088	0	0.160
ENSP00000331057	2.13E-05	-0.1088	235	0.840
ENSP00000374455	2.47E-05	-0.1088	466	0.794
ENSP00000418001	1.80E-05	-0.1089	305	0.345
ENSP00000343617	4.91E-06	-0.1089	0	0.697
ENSP00000384979	5.50E-06	-0.1089	0	0.000
ENSP00000334499	3.73E-05	-0.1089	666	0.717
ENSP00000260327	1.48E-05	-0.1089	0	0.324
ENSP00000317614	3.77E-06	-0.1089	0	0.675
ENSP00000249356	1.40E-05	-0.1089	979	0.386
ENSP00000258729	1.25E-05	-0.1089	163	0.568
ENSP00000256637	1.86E-05	-0.1089	381	0.237
ENSP00000205557	2.22E-05	-0.1089	203	0.480
ENSP00000295971	2.26E-05	-0.1089	0	0.274
ENSP00000272647	2.22E-05	-0.1089	0	0.052
ENSP00000332756	1.19E-05	-0.1089	151	0.392
ENSP00000370128	1.20E-05	-0.1089	186	0.410
ENSP00000267938	1.45E-05	-0.1089	0	0.096
ENSP00000254998	2.31E-05	-0.1089	0	0.643
ENSP00000245407	1.54E-05	-0.1089	0	0.163
ENSP00000222382	6.18E-06	-0.1089	0	0.210
ENSP00000286523	2.79E-05	-0.1090	0	0.583
ENSP00000007699	1.58E-05	-0.1090	302	0.724
ENSP00000240139	7.50E-06	-0.1090	224	0.652
ENSP00000304198	6.11E-06	-0.1090	0	0.694
ENSP00000361626	2.27E-05	-0.1090	850	0.783
ENSP00000314733	2.09E-05	-0.1090	0	0.388
ENSP00000216554	2.02E-05	-0.1090	459	0.880
ENSP00000268655	3.44E-06	-0.1090	0	0.644
ENSP00000320503	1.65E-05	-0.1090	0	0.573
ENSP00000282878	5.08E-06	-0.1090	0	0.181
ENSP00000308753	2.57E-05	-0.1090	0	0.190

ENSP00000220669	1.67E-05	-0.1090	0	0.121
ENSP00000265028	1.62E-05	-0.1090	974	0.436
ENSP00000247225	1.88E-05	-0.1090	0	0.115
ENSP00000268533	1.77E-05	-0.1090	195	0.262
ENSP00000162391	8.68E-06	-0.1090	159	0.000
ENSP00000318298	2.63E-05	-0.1090	0	0.110
ENSP00000275780	1.68E-05	-0.1090	0	0.374
ENSP00000266594	3.59E-05	-0.1090	0	0.432
ENSP00000296161	2.54E-05	-0.1090	0	0.194
ENSP00000234296	2.21E-06	-0.1090	0	0.000
ENSP00000293677	2.52E-05	-0.1090	0	0.628
ENSP00000350364	1.32E-05	-0.1091	258	0.105
ENSP00000249822	2.07E-05	-0.1091	0	0.202
ENSP00000376568	4.82E-06	-0.1091	0	0.499
ENSP00000303706	2.24E-05	-0.1091	200	0.772
ENSP00000337839	2.16E-05	-0.1091	0	0.345
ENSP00000312664	1.42E-05	-0.1091	0	0.740
ENSP00000262053	1.51E-05	-0.1091	200	0.871
ENSP00000329748	1.78E-05	-0.1091	0	0.080
ENSP00000439182	1.65E-05	-0.1091	244	0.330
ENSP00000431049	1.44E-05	-0.1091	392	0.095
ENSP00000261745	1.61E-05	-0.1091	0	0.090
ENSP00000228251	1.36E-05	-0.1091	306	0.715
ENSP00000278823	2.23E-05	-0.1091	496	0.799
ENSP00000261413	2.77E-05	-0.1091	0	0.368
ENSP00000292123	2.56E-05	-0.1091	258	0.752
ENSP00000352444	3.63E-06	-0.1091	0	0.689
ENSP00000253727	1.82E-05	-0.1092	482	0.711
ENSP00000334448	1.32E-05	-0.1092	906	0.646
ENSP00000229769	2.62E-05	-0.1092	0	0.657
ENSP00000327436	1.75E-05	-0.1092	0	0.609
ENSP00000335083	4.40E-06	-0.1092	0	0.448
ENSP00000310670	2.18E-05	-0.1092	0	0.000
ENSP00000307774	4.05E-06	-0.1092	0	0.703
ENSP00000347451	5.57E-06	-0.1092	0	0.764
ENSP00000368766	1.06E-05	-0.1092	0	0.605
ENSP00000265395	1.41E-05	-0.1092	0	0.275
ENSP00000263239	1.70E-05	-0.1092	405	0.925
ENSP00000380237	3.62E-06	-0.1093	0	0.000
ENSP00000262605	1.38E-05	-0.1093	0	0.510
ENSP00000210313	1.24E-05	-0.1093	0	0.497
ENSP00000221138	6.19E-06	-0.1093	224	0.688
ENSP00000334229	3.05E-05	-0.1093	0	0.104
ENSP00000350512	3.10E-05	-0.1093	739	0.721
ENSP00000318902	8.49E-06	-0.1093	159	0.000
ENSP00000369150	2.01E-06	-0.1093	0	0.174

ENSP00000229812	7.41E-06	-0.1093	490	0.667
ENSP00000266544	1.21E-05	-0.1093	0	0.221
ENSP00000239878	2.32E-05	-0.1093	0	0.227
ENSP00000386146	8.18E-08	-0.1094	0	0.212
ENSP00000341504	1.40E-05	-0.1094	262	0.277
ENSP00000351410	3.13E-05	-0.1094	901	0.666
ENSP00000216274	7.34E-06	-0.1094	300	0.689
ENSP00000300069	1.95E-05	-0.1094	0	0.066
ENSP00000226796	1.33E-05	-0.1094	418	0.923
ENSP00000359340	6.06E-06	-0.1094	0	0.131
ENSP00000269973	4.97E-06	-0.1094	0	0.697
ENSP00000330221	1.14E-05	-0.1095	0	0.076
ENSP00000218343	1.33E-05	-0.1095	0	0.000
ENSP00000343552	1.15E-05	-0.1095	0	0.156
ENSP00000306752	6.00E-06	-0.1095	0	0.627
ENSP00000282059	3.26E-05	-0.1095	0	0.000
ENSP00000353652	5.29E-06	-0.1095	0	0.691
ENSP00000262213	1.24E-05	-0.1095	0	0.446
ENSP00000278198	4.03E-06	-0.1095	0	0.642
ENSP00000343629	1.61E-05	-0.1095	0	0.174
ENSP00000321537	1.19E-05	-0.1095	0	0.533
ENSP00000265495	1.87E-05	-0.1095	0	0.000
ENSP00000472469	1.18E-05	-0.1095	0	0.831
ENSP00000260404	1.02E-05	-0.1096	151	0.671
ENSP00000386870	2.51E-05	-0.1096	0	0.220
ENSP00000281031	1.09E-05	-0.1096	0	0.205
ENSP00000253031	1.72E-05	-0.1096	0	0.101
ENSP00000263063	2.94E-05	-0.1096	159	0.760
ENSP00000386461	1.82E-05	-0.1096	244	0.323
ENSP00000448165	4.29E-05	-0.1096	536	0.767
ENSP00000428657	2.71E-05	-0.1096	226	0.676
ENSP00000345629	7.02E-06	-0.1097	199	0.605
ENSP00000381824	2.12E-05	-0.1097	165	0.393
ENSP00000304994	1.24E-05	-0.1097	0	0.000
ENSP00000285873	1.97E-05	-0.1097	0	0.725
ENSP00000344742	1.34E-05	-0.1097	198	0.522
ENSP00000358374	6.60E-06	-0.1097	400	0.384
ENSP00000274140	3.12E-05	-0.1097	338	0.355
ENSP00000298248	1.56E-05	-0.1097	0	0.226
ENSP00000257181	1.53E-05	-0.1097	0	0.669
ENSP00000389414	2.23E-05	-0.1097	330	0.524
ENSP00000216277	2.19E-05	-0.1097	192	0.892
ENSP00000273064	1.50E-05	-0.1097	232	0.181
ENSP00000288368	3.65E-06	-0.1097	0	0.209
ENSP00000263753	1.20E-05	-0.1097	0	0.357
ENSP00000339090	2.31E-05	-0.1097	338	0.857

ENSP00000349508	2.40E-05	-0.1097	361	0.896
ENSP00000337363	3.79E-06	-0.1097	0	0.671
ENSP00000351769	4.64E-06	-0.1098	0	0.000
ENSP00000311521	4.99E-06	-0.1098	0	0.704
ENSP00000326128	1.41E-05	-0.1098	0	0.158
ENSP00000344364	2.14E-06	-0.1098	0	0.000
ENSP00000192788	1.69E-05	-0.1098	0	0.409
ENSP00000282077	4.06E-05	-0.1098	193	0.579
ENSP00000299608	2.06E-05	-0.1098	355	0.477
ENSP00000347836	9.60E-06	-0.1098	0	0.318
ENSP00000233099	1.39E-05	-0.1098	0	0.095
ENSP00000311825	9.73E-06	-0.1098	296	0.777
ENSP00000331879	2.42E-05	-0.1099	205	0.876
ENSP00000311713	2.31E-05	-0.1099	0	0.296
ENSP00000355657	1.94E-05	-0.1099	702	0.952
ENSP00000268184	8.16E-06	-0.1099	0	0.642
ENSP00000286049	6.37E-06	-0.1099	0	0.000
ENSP00000238994	1.18E-05	-0.1099	0	0.306
ENSP00000299927	4.20E-06	-0.1099	0	0.684
ENSP00000305480	7.91E-06	-0.1099	0	0.789
ENSP00000265148	3.32E-06	-0.1099	0	0.382
ENSP00000250351	1.88E-05	-0.1099	499	0.175
ENSP00000392678	3.46E-06	-0.1099	0	0.145
ENSP00000344173	2.05E-05	-0.1100	344	0.675
ENSP00000255858	1.19E-05	-0.1100	0	0.500
ENSP00000269383	1.28E-04	-0.1100	0	0.219
ENSP00000327764	1.09E-05	-0.1100	0	0.000
ENSP00000264668	2.92E-05	-0.1100	489	0.381
ENSP00000387219	1.17E-05	-0.1100	290	0.155
ENSP00000368459	2.19E-05	-0.1100	196	0.529
ENSP00000265073	1.79E-05	-0.1100	227	0.772
ENSP00000358464	8.80E-06	-0.1100	210	0.714
ENSP00000260382	4.75E-06	-0.1100	0	0.421
ENSP00000273359	1.42E-05	-0.1100	0	0.103
ENSP00000388872	1.08E-05	-0.1100	301	0.317
ENSP00000268489	1.61E-05	-0.1100	0	0.708
ENSP00000424058	3.07E-08	-0.1101	0	0.000
ENSP00000280557	1.59E-05	-0.1101	165	0.811
ENSP00000321711	4.78E-06	-0.1101	0	0.764
ENSP00000290341	1.47E-05	-0.1101	163	0.722
ENSP00000299667	4.73E-06	-0.1101	0	0.695
ENSP00000278935	9.65E-06	-0.1101	0	0.127
ENSP00000314806	3.41E-06	-0.1101	0	0.000
ENSP00000295087	2.35E-05	-0.1101	274	0.481
ENSP00000221855	1.47E-05	-0.1101	0	0.160
ENSP00000341947	1.29E-05	-0.1101	0	0.721

ENSP00000454153	1.26E-06	-0.1101	0	0.180
ENSP00000358714	1.67E-05	-0.1101	173	0.076
ENSP00000399938	3.62E-06	-0.1101	0	0.140
ENSP00000301730	2.10E-05	-0.1101	214	0.000
ENSP00000361949	1.93E-05	-0.1101	516	0.933
ENSP00000363055	1.44E-05	-0.1101	589	0.300
ENSP00000287025	3.84E-06	-0.1102	0	0.000
ENSP00000355185	2.23E-05	-0.1102	153	0.635
ENSP00000299084	9.20E-05	-0.1102	267	0.771
ENSP00000283179	1.82E-05	-0.1102	264	0.777
ENSP00000347329	5.82E-06	-0.1102	153	0.212
ENSP00000262366	3.64E-06	-0.1102	0	0.778
ENSP00000250454	3.89E-05	-0.1102	0	0.192
ENSP00000345029	7.52E-06	-0.1102	0	0.184
ENSP00000377381	4.49E-05	-0.1102	0	0.192
ENSP00000343701	2.44E-05	-0.1102	207	0.704
ENSP00000316543	1.64E-05	-0.1103	0	0.179
ENSP00000363226	1.39E-06	-0.1103	0	0.171
ENSP00000467889	3.37E-06	-0.1103	0	0.711
ENSP00000310126	5.53E-06	-0.1103	0	0.650
ENSP00000333657	1.87E-05	-0.1103	293	0.500
ENSP00000278816	4.82E-06	-0.1103	0	0.000
ENSP00000365014	5.91E-06	-0.1103	0	0.101
ENSP00000256682	1.76E-05	-0.1103	274	0.533
ENSP00000357861	1.59E-05	-0.1103	191	0.214
ENSP00000316905	1.84E-05	-0.1103	0	0.088
ENSP00000263915	6.73E-06	-0.1103	0	0.691
ENSP00000391879	2.90E-05	-0.1103	207	0.322
ENSP00000323670	9.64E-06	-0.1104	330	0.792
ENSP00000277570	1.00E-05	-0.1104	0	0.157
ENSP00000264710	1.45E-05	-0.1104	177	0.240
ENSP00000233944	6.42E-06	-0.1104	256	0.682
ENSP00000325425	1.91E-05	-0.1104	0	0.182
ENSP00000373825	3.98E-06	-0.1104	0	0.122
ENSP00000299001	9.18E-06	-0.1104	0	0.666
ENSP00000317224	1.31E-05	-0.1104	0	0.253
ENSP00000296847	1.76E-05	-0.1104	0	0.000
ENSP00000370984	2.49E-05	-0.1104	0	0.099
ENSP00000355205	1.99E-05	-0.1104	449	0.951
ENSP00000328524	1.62E-05	-0.1105	0	0.082
ENSP00000357409	1.22E-05	-0.1105	0	0.178
ENSP00000267569	8.31E-06	-0.1105	265	0.000
ENSP00000328789	1.06E-05	-0.1105	0	0.221
ENSP00000261464	2.72E-05	-0.1105	0	0.770
ENSP00000414034	1.49E-06	-0.1105	0	0.194
ENSP00000314837	1.10E-05	-0.1105	316	0.604

ENSP00000053468	1.03E-05	-0.1105	355	0.743
ENSP00000301744	4.92E-06	-0.1105	0	0.676
ENSP00000356918	2.56E-05	-0.1105	196	0.219
ENSP00000270617	3.78E-06	-0.1105	0	0.662
ENSP00000365107	3.50E-06	-0.1105	0	0.238
ENSP00000285420	1.13E-05	-0.1105	0	0.255
ENSP00000358391	3.34E-06	-0.1105	0	0.141
ENSP00000428281	4.00E-06	-0.1105	0	0.074
ENSP00000303696	4.36E-06	-0.1106	0	0.694
ENSP00000296417	1.51E-05	-0.1106	422	0.912
ENSP00000386076	2.60E-06	-0.1106	0	0.135
ENSP00000216639	6.02E-06	-0.1106	175	0.000
ENSP00000323678	1.22E-05	-0.1106	0	0.089
ENSP00000413728	5.12E-06	-0.1106	0	0.139
ENSP00000430338	3.34E-06	-0.1106	0	0.158
ENSP00000263934	1.40E-05	-0.1106	358	0.375
ENSP00000341938	3.57E-05	-0.1106	721	0.592
ENSP00000344488	1.50E-05	-0.1106	0	0.117
ENSP00000344331	5.43E-06	-0.1106	0	0.184
ENSP00000341483	1.79E-05	-0.1107	0	0.281
ENSP00000290649	2.38E-05	-0.1107	820	0.551
ENSP00000309117	2.28E-05	-0.1107	404	0.405
ENSP00000325369	1.24E-05	-0.1107	0	0.115
ENSP00000328070	6.15E-06	-0.1107	0	0.122
ENSP00000395244	1.88E-07	-0.1108	0	0.119
ENSP00000263736	1.55E-05	-0.1108	178	0.754
ENSP00000269349	1.84E-05	-0.1108	679	0.000
ENSP00000321674	6.23E-06	-0.1108	0	0.454
ENSP00000293362	2.09E-05	-0.1108	224	0.542
ENSP00000369075	3.17E-06	-0.1108	0	0.691
ENSP00000349437	2.44E-05	-0.1108	271	0.681
ENSP00000310015	2.57E-05	-0.1109	0	0.273
ENSP00000329140	1.64E-05	-0.1109	284	0.660
ENSP00000301459	5.93E-06	-0.1109	0	0.759
ENSP00000344166	1.20E-05	-0.1109	0	0.537
ENSP00000391218	1.55E-06	-0.1109	0	0.192
ENSP00000245255	8.42E-06	-0.1110	0	0.668
ENSP00000261842	9.86E-06	-0.1110	0	0.197
ENSP00000469046	2.49E-07	-0.1110	0	0.000
ENSP00000300413	2.44E-05	-0.1110	613	0.851
ENSP00000262519	9.71E-06	-0.1110	244	0.910
ENSP00000268607	2.86E-05	-0.1110	576	0.628
ENSP00000325634	4.02E-06	-0.1110	0	0.695
ENSP00000291759	3.07E-05	-0.1111	0	0.213
ENSP00000470409	2.99E-07	-0.1111	0	0.000
ENSP00000320488	1.09E-05	-0.1111	326	0.000

ENSP00000267064	1.53E-05	-0.1111	161	0.875
ENSP00000345555	1.85E-05	-0.1111	460	0.690
ENSP00000322716	1.29E-05	-0.1111	0	0.183
ENSP00000311747	1.48E-05	-0.1111	0	0.781
ENSP00000350263	4.96E-06	-0.1111	0	0.000
ENSP00000364502	1.13E-05	-0.1111	0	0.127
ENSP00000380718	6.87E-06	-0.1112	163	0.000
ENSP00000285518	9.54E-06	-0.1112	0	0.281
ENSP00000386655	2.83E-06	-0.1112	0	0.000
ENSP00000389709	4.24E-06	-0.1112	0	0.104
ENSP00000354686	3.80E-06	-0.1112	0	0.689
ENSP00000286175	1.45E-05	-0.1112	244	0.720
ENSP00000368552	2.13E-05	-0.1112	195	0.874
ENSP00000337736	1.09E-05	-0.1112	0	0.393
ENSP00000333223	4.12E-06	-0.1112	0	0.686
ENSP00000307411	9.52E-06	-0.1112	0	0.757
ENSP00000381992	6.32E-06	-0.1112	0	0.457
ENSP00000295797	9.68E-06	-0.1112	0	0.737
ENSP00000366519	1.51E-05	-0.1112	325	0.882
ENSP00000273179	1.09E-05	-0.1113	0	0.340
ENSP00000378503	3.98E-06	-0.1113	0	0.669
ENSP00000383199	2.63E-05	-0.1113	202	0.703
ENSP00000263620	1.10E-05	-0.1113	0	0.830
ENSP00000283943	9.94E-06	-0.1113	172	0.568
ENSP00000309823	3.69E-06	-0.1113	0	0.000
ENSP00000379931	2.40E-05	-0.1113	296	0.645
ENSP00000343741	2.03E-05	-0.1113	877	0.768
ENSP00000283033	6.75E-06	-0.1113	569	0.538
ENSP00000302310	4.84E-06	-0.1114	0	0.691
ENSP00000264932	7.64E-06	-0.1114	377	0.643
ENSP00000301180	1.18E-05	-0.1114	0	0.209
ENSP00000381240	2.13E-05	-0.1114	303	0.000
ENSP00000273146	2.98E-05	-0.1114	0	0.159
ENSP00000342019	3.93E-06	-0.1114	0	0.694
ENSP00000439493	2.01E-05	-0.1114	734	0.000
ENSP00000298767	1.64E-05	-0.1114	345	0.000
ENSP00000339521	2.56E-05	-0.1114	477	0.558
ENSP00000339256	4.39E-06	-0.1114	0	0.104
ENSP00000336868	1.08E-05	-0.1114	729	0.947
ENSP00000324064	4.20E-06	-0.1114	0	0.714
ENSP00000298068	1.41E-05	-0.1115	192	0.426
ENSP00000358814	1.37E-05	-0.1115	685	0.352
ENSP00000357791	6.54E-06	-0.1115	0	0.109
ENSP00000344401	9.53E-06	-0.1115	302	0.698
ENSP00000362592	2.68E-05	-0.1115	200	0.923
ENSP00000346120	2.17E-05	-0.1115	358	0.913



ENSP00000314491	1.68E-05	-0.1115	206	0.000
ENSP00000422344	4.16E-06	-0.1115	0	0.705
ENSP00000308759	4.34E-06	-0.1116	0	0.679
ENSP00000277865	1.35E-05	-0.1116	193	0.581
ENSP00000279873	1.80E-05	-0.1116	0	0.547
ENSP00000321997	8.36E-06	-0.1116	0	0.917
ENSP00000417354	6.64E-06	-0.1116	0	0.115
ENSP00000361577	1.95E-05	-0.1116	393	0.792
ENSP00000308405	3.18E-05	-0.1116	422	0.927
ENSP00000306010	2.52E-05	-0.1116	470	0.556
ENSP00000472384	1.87E-06	-0.1116	0	0.487
ENSP00000366637	3.02E-06	-0.1116	0	0.000
ENSP00000321507	1.47E-05	-0.1116	320	0.513
ENSP00000037243	1.63E-05	-0.1116	326	0.483
ENSP00000340944	2.95E-05	-0.1117	309	0.940
ENSP00000370420	3.98E-06	-0.1117	0	0.178
ENSP00000260947	1.66E-05	-0.1117	228	0.750
ENSP00000381599	3.58E-05	-0.1117	293	0.829
ENSP00000354032	2.13E-06	-0.1117	0	0.196
ENSP00000470752	2.83E-06	-0.1118	0	0.000
ENSP00000384179	1.14E-05	-0.1118	197	0.846
ENSP00000230085	1.10E-05	-0.1118	0	0.153
ENSP00000261353	8.04E-06	-0.1118	0	0.123
ENSP00000367406	6.40E-06	-0.1118	200	0.000
ENSP00000344470	8.86E-06	-0.1118	508	0.588
ENSP00000332706	2.41E-05	-0.1118	153	0.622
ENSP00000332576	1.84E-05	-0.1118	576	0.105
ENSP00000304802	4.29E-06	-0.1118	0	0.533
ENSP00000381304	5.94E-06	-0.1118	0	0.710
ENSP00000370526	2.74E-05	-0.1118	361	0.524
ENSP00000362122	1.71E-05	-0.1118	301	0.494
ENSP00000258886	1.10E-05	-0.1118	300	0.657
ENSP00000321951	2.12E-05	-0.1118	201	0.116
ENSP00000375717	1.32E-05	-0.1119	414	0.175
ENSP00000326200	5.74E-06	-0.1119	0	0.675
ENSP00000365663	1.97E-05	-0.1119	177	0.720
ENSP00000346694	2.02E-05	-0.1119	539	0.946
ENSP00000362870	1.47E-05	-0.1119	280	0.104
ENSP00000326249	4.45E-06	-0.1119	0	0.689
ENSP00000297767	7.64E-06	-0.1119	0	0.110
ENSP00000337122	4.86E-06	-0.1119	0	0.689
ENSP00000352704	1.38E-05	-0.1120	0	0.000
ENSP00000361264	2.30E-05	-0.1120	196	0.806
ENSP00000283875	7.80E-06	-0.1120	0	0.791
ENSP00000326261	2.09E-05	-0.1120	183	0.740
ENSP00000348769	5.34E-06	-0.1120	0	0.333

ENSP00000337852	4.94E-06	-0.1121	0	0.692
ENSP00000340879	8.85E-06	-0.1121	0	0.593
ENSP00000309161	4.64E-06	-0.1121	0	0.704
ENSP00000263360	1.51E-05	-0.1121	345	0.802
ENSP00000412150	1.38E-07	-0.1121	0	0.143
ENSP00000359793	2.11E-05	-0.1121	463	0.520
ENSP00000317902	1.23E-05	-0.1121	0	0.120
ENSP00000215115	4.79E-06	-0.1121	0	0.331
ENSP00000351207	2.11E-05	-0.1121	0	0.129
ENSP00000229390	1.50E-05	-0.1121	234	0.943
ENSP00000342002	4.46E-06	-0.1122	0	0.680
ENSP00000297540	1.27E-05	-0.1122	0	0.673
ENSP00000354869	7.36E-06	-0.1122	0	0.000
ENSP00000347507	2.07E-05	-0.1122	434	0.612
ENSP00000397163	2.98E-06	-0.1122	0	0.688
ENSP00000352671	5.73E-06	-0.1122	0	0.257
ENSP00000366814	3.23E-06	-0.1122	0	0.000
ENSP00000309555	2.27E-05	-0.1122	207	0.833
ENSP00000262803	1.25E-05	-0.1122	273	0.907
ENSP00000433721	1.09E-05	-0.1122	0	0.086
ENSP00000316121	1.13E-05	-0.1122	0	0.386
ENSP00000250863	1.12E-05	-0.1122	152	0.910
ENSP00000274711	4.86E-06	-0.1122	0	0.611
ENSP00000354061	3.05E-06	-0.1122	0	0.101
ENSP00000326579	1.58E-05	-0.1122	0	0.131
ENSP00000323046	1.65E-05	-0.1123	153	0.848
ENSP00000336702	2.17E-05	-0.1123	274	0.000
ENSP00000362768	2.41E-05	-0.1123	216	0.814
ENSP00000366630	3.23E-06	-0.1123	0	0.000
ENSP00000325136	1.84E-05	-0.1123	803	0.480
ENSP00000470209	2.33E-06	-0.1123	0	0.694
ENSP00000457715	2.26E-06	-0.1123	0	0.693
ENSP00000418767	6.02E-06	-0.1123	0	0.137
ENSP00000385491	6.13E-06	-0.1123	0	0.000
ENSP00000325203	6.92E-06	-0.1124	0	0.000
ENSP00000304858	1.05E-05	-0.1124	0	0.308
ENSP00000420213	2.83E-05	-0.1124	382	0.608
ENSP00000278568	1.23E-05	-0.1124	177	0.774
ENSP00000250448	1.51E-05	-0.1124	314	0.000
ENSP00000343535	1.14E-05	-0.1124	206	0.703
ENSP00000371512	8.24E-06	-0.1124	0	0.101
ENSP00000242827	6.01E-06	-0.1124	0	0.083
ENSP00000254480	1.25E-05	-0.1124	161	0.866
ENSP00000232978	1.15E-05	-0.1124	524	0.709
ENSP00000296702	4.37E-05	-0.1125	667	0.719
ENSP00000400932	3.21E-06	-0.1125	0	0.069

ENSP00000388606	1.60E-06	-0.1125	0	0.000
ENSP00000262971	2.18E-05	-0.1125	150	0.824
ENSP00000396918	1.40E-05	-0.1125	644	0.161
ENSP00000364798	5.92E-06	-0.1125	0	0.732
ENSP00000276123	3.35E-06	-0.1125	0	0.668
ENSP00000364295	4.96E-06	-0.1125	0	0.116
ENSP00000341247	1.53E-05	-0.1125	440	0.860
ENSP00000415106	2.83E-06	-0.1125	0	0.208
ENSP00000265062	1.67E-05	-0.1125	722	0.312
ENSP00000253039	1.28E-05	-0.1125	249	0.808
ENSP00000329170	1.32E-05	-0.1125	0	0.866
ENSP00000264018	1.31E-05	-0.1126	287	0.000
ENSP00000272930	2.24E-05	-0.1126	0	0.380
ENSP00000315410	1.31E-05	-0.1126	0	0.089
ENSP00000329466	1.48E-05	-0.1126	313	0.820
ENSP00000308944	1.80E-05	-0.1126	160	0.926
ENSP00000359206	1.95E-05	-0.1126	574	0.851
ENSP00000352157	2.61E-05	-0.1126	665	0.921
ENSP00000395449	1.91E-05	-0.1127	150	0.756
ENSP00000308430	8.13E-06	-0.1127	0	0.298
ENSP00000411097	3.47E-06	-0.1127	0	0.000
ENSP00000332595	4.16E-06	-0.1127	0	0.684
ENSP00000447650	2.67E-06	-0.1127	0	0.000
ENSP00000375582	3.25E-06	-0.1127	0	0.682
ENSP00000341274	7.84E-08	-0.1127	0	0.000
ENSP00000369581	2.52E-05	-0.1127	815	0.875
ENSP00000315370	4.84E-06	-0.1128	0	0.135
ENSP00000366331	3.37E-07	-0.1128	0	0.192
ENSP00000407154	5.42E-06	-0.1128	0	0.238
ENSP00000256257	1.45E-05	-0.1128	0	0.412
ENSP00000399324	1.63E-05	-0.1128	170	0.881
ENSP00000310551	9.19E-06	-0.1128	184	0.289
ENSP00000264893	7.01E-06	-0.1128	0	0.310
ENSP00000432472	1.00E-05	-0.1129	215	0.480
ENSP00000215570	7.79E-06	-0.1129	0	0.617
ENSP00000369373	5.99E-06	-0.1129	0	0.438
ENSP00000382021	8.18E-06	-0.1129	0	0.130
ENSP00000406162	3.43E-05	-0.1129	205	0.833
ENSP00000369497	5.63E-05	-0.1129	254	0.835
ENSP00000378601	2.42E-06	-0.1129	0	0.000
ENSP00000389128	1.13E-05	-0.1130	580	0.000
ENSP00000313454	3.04E-05	-0.1130	266	0.545
ENSP00000357336	2.30E-05	-0.1130	217	0.273
ENSP00000330141	8.20E-06	-0.1130	0	0.063
ENSP00000262300	3.37E-06	-0.1130	0	0.637
ENSP00000238561	4.01E-06	-0.1130	0	0.069

ENSP00000363377	2.14E-05	-0.1130	905	0.000
ENSP00000000233	1.29E-05	-0.1131	274	0.532
ENSP00000299163	1.36E-05	-0.1131	0	0.529
ENSP00000264711	6.19E-06	-0.1131	204	0.527
ENSP00000418081	1.59E-05	-0.1131	202	0.259
ENSP00000362036	6.54E-06	-0.1131	315	0.590
ENSP00000298875	7.91E-06	-0.1132	0	0.836
ENSP00000307863	2.03E-05	-0.1132	464	0.864
ENSP00000436455	1.61E-05	-0.1132	574	0.194
ENSP00000365402	4.59E-05	-0.1132	902	0.704
ENSP00000362778	1.75E-05	-0.1132	158	0.134
ENSP00000361878	2.45E-05	-0.1132	525	0.667
ENSP00000295317	1.24E-05	-0.1132	0	0.269
ENSP00000244040	9.23E-06	-0.1132	0	0.212
ENSP00000388942	2.26E-05	-0.1132	196	0.069
ENSP00000220913	3.72E-06	-0.1133	0	0.000
ENSP00000295488	1.82E-05	-0.1133	325	0.800
ENSP00000378350	7.12E-06	-0.1133	0	0.454
ENSP00000316649	1.29E-05	-0.1133	0	0.091
ENSP00000265100	1.16E-05	-0.1133	297	0.834
ENSP00000357651	2.27E-05	-0.1133	465	0.563
ENSP00000292055	4.46E-06	-0.1133	0	0.000
ENSP00000347979	2.88E-05	-0.1133	292	0.917
ENSP00000395706	3.25E-06	-0.1133	0	0.085
ENSP00000242839	2.16E-05	-0.1133	809	0.586
ENSP00000309103	1.23E-05	-0.1134	0	0.536
ENSP00000263212	5.74E-06	-0.1134	0	0.601
ENSP00000354663	3.39E-06	-0.1134	0	0.689
ENSP00000327968	4.96E-06	-0.1134	0	0.817
ENSP00000368927	5.27E-06	-0.1134	0	0.822
ENSP00000343313	1.11E-05	-0.1134	554	0.588
ENSP00000315476	8.32E-06	-0.1134	163	0.825
ENSP00000362014	3.59E-05	-0.1135	300	0.662
ENSP00000467556	3.89E-06	-0.1135	0	0.268
ENSP00000312999	1.65E-05	-0.1135	508	0.647
ENSP00000346809	4.74E-06	-0.1135	0	0.114
ENSP00000365773	1.68E-05	-0.1135	186	0.264
ENSP00000253144	4.31E-06	-0.1135	0	0.673
ENSP00000221233	6.11E-06	-0.1135	0	0.858
ENSP00000317980	2.15E-05	-0.1135	222	0.371
ENSP00000272645	9.37E-06	-0.1135	0	0.733
ENSP00000364976	1.10E-05	-0.1136	169	0.585
ENSP00000309198	8.91E-06	-0.1136	0	0.347
ENSP00000336740	1.40E-05	-0.1136	273	0.675
ENSP00000469432	2.86E-06	-0.1136	0	0.000
ENSP00000342411	1.60E-05	-0.1136	0	0.152

ENSP00000464100	1.34E-06	-0.1136	0	0.000
ENSP00000009105	2.55E-06	-0.1136	0	0.658
ENSP00000419599	1.41E-05	-0.1136	197	0.115
ENSP00000354453	3.62E-06	-0.1136	0	0.701
ENSP00000368976	4.69E-06	-0.1136	0	0.270
ENSP00000382840	1.63E-05	-0.1137	396	0.905
ENSP00000443194	1.11E-05	-0.1137	159	0.315
ENSP00000432412	3.26E-06	-0.1137	0	0.138
ENSP00000259750	7.38E-06	-0.1137	175	0.688
ENSP00000305065	1.08E-05	-0.1137	0	0.189
ENSP00000325690	2.62E-05	-0.1137	900	0.794
ENSP00000296513	5.25E-06	-0.1137	0	0.145
ENSP00000358718	2.34E-07	-0.1137	0	0.000
ENSP00000293831	1.60E-05	-0.1137	967	0.000
ENSP00000338283	2.45E-05	-0.1138	206	0.769
ENSP00000359025	2.29E-05	-0.1138	204	0.252
ENSP00000351255	2.84E-05	-0.1138	225	0.929
ENSP00000378286	5.56E-06	-0.1138	0	0.709
ENSP00000267890	7.32E-06	-0.1139	175	0.686
ENSP00000469964	1.34E-06	-0.1139	0	0.000
ENSP00000341138	2.85E-05	-0.1139	232	0.277
ENSP00000297324	1.80E-05	-0.1139	0	0.180
ENSP00000334375	8.31E-06	-0.1139	0	0.559
ENSP00000342087	1.74E-05	-0.1139	301	0.740
ENSP00000274695	1.19E-05	-0.1139	378	0.494
ENSP00000319501	1.08E-05	-0.1139	0	0.330
ENSP00000369777	5.51E-06	-0.1139	0	0.683
ENSP00000461425	2.70E-06	-0.1140	0	0.693
ENSP00000315955	1.98E-05	-0.1140	212	0.000
ENSP00000397552	3.54E-05	-0.1140	316	0.750
ENSP00000342780	2.42E-06	-0.1140	0	0.000
ENSP00000361707	9.84E-06	-0.1140	158	0.145
ENSP00000401371	1.83E-05	-0.1141	560	0.801
ENSP00000263559	8.51E-06	-0.1141	0	0.136
ENSP00000229243	3.95E-06	-0.1141	0	0.076
ENSP00000326424	5.44E-06	-0.1141	0	0.195
ENSP00000269844	3.62E-06	-0.1141	0	0.666
ENSP00000324175	1.19E-05	-0.1141	0	0.126
ENSP00000264071	1.31E-05	-0.1141	639	0.698
ENSP00000380602	7.67E-06	-0.1142	0	0.203
ENSP00000365494	1.16E-05	-0.1142	270	0.540
ENSP00000344087	8.33E-06	-0.1142	0	0.145
ENSP00000315569	4.88E-06	-0.1142	0	0.731
ENSP00000267339	8.40E-06	-0.1142	202	0.611
ENSP00000293842	1.16E-05	-0.1142	312	0.000
ENSP00000247986	8.85E-06	-0.1142	300	0.292

ENSP00000400878	9.61E-06	-0.1143	0	0.688
ENSP00000355402	4.07E-06	-0.1144	0	0.636
ENSP00000334394	4.33E-06	-0.1144	0	0.664
ENSP00000325402	2.48E-07	-0.1144	0	0.196
ENSP00000415634	2.75E-05	-0.1144	189	0.000
ENSP00000391116	1.89E-06	-0.1144	0	0.000
ENSP00000362556	5.78E-06	-0.1144	0	0.696
ENSP00000345968	1.82E-05	-0.1144	480	0.157
ENSP00000330631	4.82E-06	-0.1144	0	0.694
ENSP00000262189	1.62E-05	-0.1144	244	0.000
ENSP00000378720	2.09E-05	-0.1145	199	0.099
ENSP00000353491	4.78E-06	-0.1145	0	0.695
ENSP00000332674	6.02E-06	-0.1145	0	0.610
ENSP00000363018	6.06E-06	-0.1145	419	0.817
ENSP00000341874	9.12E-06	-0.1145	0	0.791
ENSP00000354952	2.09E-05	-0.1146	877	0.842
ENSP00000420182	5.19E-06	-0.1146	0	0.098
ENSP00000336741	1.70E-05	-0.1146	357	0.945
ENSP00000370968	5.16E-06	-0.1146	0	0.823
ENSP00000256460	2.44E-06	-0.1147	0	0.000
ENSP00000274031	1.23E-05	-0.1147	244	0.873
ENSP00000300738	1.69E-05	-0.1147	316	0.676
ENSP00000384370	4.53E-06	-0.1147	0	0.180
ENSP00000325546	4.89E-06	-0.1147	0	0.762
ENSP00000267807	3.57E-06	-0.1147	0	0.724
ENSP00000386143	9.01E-07	-0.1147	0	0.088
ENSP00000319141	7.97E-06	-0.1147	0	0.202
ENSP00000301042	4.83E-06	-0.1147	0	0.687
ENSP00000229922	1.74E-05	-0.1148	525	0.647
ENSP00000333024	1.39E-05	-0.1148	244	0.913
ENSP00000381132	2.55E-06	-0.1148	0	0.170
ENSP00000226004	5.99E-06	-0.1148	0	0.671
ENSP00000440832	2.04E-06	-0.1148	0	0.170
ENSP00000342974	4.81E-06	-0.1148	0	0.696
ENSP00000247207	1.06E-05	-0.1149	204	0.836
ENSP00000367705	3.87E-06	-0.1149	0	0.734
ENSP00000403910	5.73E-06	-0.1149	0	0.142
ENSP00000443985	1.64E-05	-0.1149	185	0.286
ENSP00000263857	7.07E-06	-0.1149	388	0.821
ENSP00000272542	1.33E-05	-0.1149	183	0.081
ENSP00000426909	3.07E-05	-0.1149	456	0.834
ENSP00000261531	2.14E-05	-0.1150	524	0.756
ENSP00000468348	7.38E-06	-0.1150	170	0.819
ENSP00000319716	4.53E-06	-0.1150	0	0.689
ENSP00000334696	1.47E-05	-0.1150	0	0.180
ENSP00000290921	1.82E-05	-0.1150	215	0.807

ENSP00000363944	3.05E-06	-0.1150	0	0.821
ENSP00000428824	7.68E-06	-0.1150	0	0.395
ENSP00000285928	8.87E-06	-0.1150	450	0.669
ENSP00000326052	2.40E-05	-0.1150	0	0.150
ENSP00000264357	2.11E-05	-0.1150	199	0.000
ENSP00000311430	3.62E-05	-0.1151	505	0.859
ENSP00000285896	1.15E-05	-0.1151	284	0.405
ENSP00000318646	9.11E-06	-0.1151	270	0.831
ENSP00000272102	2.19E-05	-0.1151	315	0.566
ENSP00000465655	1.23E-05	-0.1151	150	0.792
ENSP00000260443	5.24E-06	-0.1151	0	0.906
ENSP00000313756	9.61E-06	-0.1151	202	0.000
ENSP00000303887	3.68E-06	-0.1151	0	0.778
ENSP00000368632	3.34E-05	-0.1151	304	0.000
ENSP00000304782	9.22E-06	-0.1152	158	0.332
ENSP00000360200	1.15E-05	-0.1152	190	0.584
ENSP00000380598	3.27E-06	-0.1152	0	0.080
ENSP00000394227	1.05E-05	-0.1152	242	0.717
ENSP00000272227	1.14E-05	-0.1152	933	0.598
ENSP00000380033	1.61E-05	-0.1152	398	0.926
ENSP00000262525	3.52E-06	-0.1153	0	0.722
ENSP00000259915	1.10E-05	-0.1153	220	0.864
ENSP00000365253	5.12E-06	-0.1153	0	0.643
ENSP00000345656	2.27E-05	-0.1153	214	0.284
ENSP00000249647	2.79E-05	-0.1153	210	0.269
ENSP00000262426	8.71E-06	-0.1153	311	0.000
ENSP00000335416	7.32E-06	-0.1153	0	0.207
ENSP00000379951	1.01E-05	-0.1153	0	0.000
ENSP00000003302	8.51E-06	-0.1154	0	0.313
ENSP00000354586	2.62E-05	-0.1154	345	0.892
ENSP00000240316	8.61E-06	-0.1154	0	0.651
ENSP00000261233	1.00E-05	-0.1154	205	0.685
ENSP00000334685	4.37E-06	-0.1154	0	0.695
ENSP00000371529	3.07E-06	-0.1154	0	0.194
ENSP00000327251	2.81E-05	-0.1154	347	0.888
ENSP00000254942	8.84E-06	-0.1154	0	0.686
ENSP00000331487	1.31E-05	-0.1155	395	0.442
ENSP00000263847	1.07E-05	-0.1155	300	0.260
ENSP00000366487	2.28E-05	-0.1155	274	0.487
ENSP00000351539	5.75E-06	-0.1155	0	0.720
ENSP00000369703	3.93E-05	-0.1155	466	0.671
ENSP00000357733	1.04E-05	-0.1156	0	0.149
ENSP00000219168	8.44E-06	-0.1156	0	0.080
ENSP00000262259	4.24E-06	-0.1156	0	0.675
ENSP00000364023	5.49E-06	-0.1156	0	0.673
ENSP00000377576	5.09E-07	-0.1156	0	0.192

ENSP00000297265	2.97E-06	-0.1157	0	0.000
ENSP00000360406	2.23E-05	-0.1157	216	0.576
ENSP00000314067	2.11E-05	-0.1157	598	0.781
ENSP00000308472	1.87E-05	-0.1157	303	0.687
ENSP00000335147	8.81E-06	-0.1157	202	0.631
ENSP00000324560	9.10E-06	-0.1157	207	0.514
ENSP00000413411	2.40E-06	-0.1158	0	0.690
ENSP00000415840	5.60E-06	-0.1158	231	0.000
ENSP00000263331	8.01E-06	-0.1158	466	0.808
ENSP00000261302	3.54E-06	-0.1158	0	0.000
ENSP00000333547	1.98E-05	-0.1158	244	0.571
ENSP00000299138	1.02E-05	-0.1158	160	0.229
ENSP00000384084	2.35E-05	-0.1159	334	0.251
ENSP00000377892	2.19E-05	-0.1159	400	0.951
ENSP00000349017	6.21E-06	-0.1159	160	0.364
ENSP00000349503	4.37E-06	-0.1160	0	0.718
ENSP00000304051	1.34E-05	-0.1160	251	0.528
ENSP00000371572	8.44E-06	-0.1160	0	0.169
ENSP00000261942	2.03E-05	-0.1160	762	0.290
ENSP00000276816	5.75E-06	-0.1160	0	0.693
ENSP00000275635	1.75E-05	-0.1160	0	0.206
ENSP00000411672	1.64E-05	-0.1160	0	0.053
ENSP00000300433	1.08E-05	-0.1161	0	0.248
ENSP00000384625	2.03E-04	-0.1161	317	0.767
ENSP00000334373	1.84E-05	-0.1161	154	0.698
ENSP00000265351	1.09E-05	-0.1161	172	0.715
ENSP00000355637	9.21E-06	-0.1161	160	0.389
ENSP00000448598	8.48E-06	-0.1161	0	0.620
ENSP00000360464	3.18E-06	-0.1161	0	0.566
ENSP00000216225	1.19E-05	-0.1162	185	0.633
ENSP00000409107	2.13E-06	-0.1162	0	0.695
ENSP00000469018	2.71E-06	-0.1162	0	0.000
ENSP00000417674	2.41E-06	-0.1162	0	0.091
ENSP00000344241	1.93E-05	-0.1162	512	0.851
ENSP00000296273	7.50E-06	-0.1163	201	0.731
ENSP00000261683	4.68E-06	-0.1163	0	0.000
ENSP00000366923	5.68E-06	-0.1163	0	0.129
ENSP00000338766	8.42E-06	-0.1164	316	0.596
ENSP00000435188	3.85E-07	-0.1164	0	0.000
ENSP00000360671	7.43E-06	-0.1164	256	0.573
ENSP00000326813	1.24E-05	-0.1164	0	0.147
ENSP00000361777	2.59E-05	-0.1164	288	0.000
ENSP00000319690	2.27E-05	-0.1165	287	0.000
ENSP00000270722	3.92E-06	-0.1165	0	0.805
ENSP00000405699	2.12E-06	-0.1165	0	0.691
ENSP00000379369	3.13E-06	-0.1165	0	0.000



ENSP00000372067	2.53E-05	-0.1165	205	0.870
ENSP00000344547	4.74E-05	-0.1165	0	0.425
ENSP00000322191	3.91E-07	-0.1165	0	0.172
ENSP00000417864	8.04E-06	-0.1165	0	0.669
ENSP00000459216	7.69E-06	-0.1165	175	0.690
ENSP00000217289	9.04E-06	-0.1166	0	0.263
ENSP00000254260	2.84E-06	-0.1166	0	0.000
ENSP00000359024	6.17E-06	-0.1166	0	0.851
ENSP00000384273	3.44E-05	-0.1166	948	0.887
ENSP00000431202	2.07E-06	-0.1166	0	0.692
ENSP00000358857	1.81E-06	-0.1166	0	0.145
ENSP00000286835	2.68E-05	-0.1166	270	0.703
ENSP00000361418	6.94E-06	-0.1167	418	0.296
ENSP00000364912	1.82E-05	-0.1167	216	0.678
ENSP00000320885	1.79E-05	-0.1167	272	0.404
ENSP00000252996	2.94E-05	-0.1167	163	0.770
ENSP00000412788	1.84E-05	-0.1167	675	0.758
ENSP00000370083	3.16E-05	-0.1167	195	0.668
ENSP00000331465	4.09E-06	-0.1168	0	0.000
ENSP00000391457	3.27E-06	-0.1168	0	0.615
ENSP00000468720	2.01E-06	-0.1168	0	0.687
ENSP00000287647	8.44E-06	-0.1168	0	0.735
ENSP00000365407	3.23E-06	-0.1168	0	0.688
ENSP00000470652	5.85E-06	-0.1168	0	0.101
ENSP00000404127	3.26E-06	-0.1168	0	0.000
ENSP00000335287	9.92E-06	-0.1168	201	0.527
ENSP00000248984	1.02E-05	-0.1169	0	0.000
ENSP00000366070	1.27E-05	-0.1169	213	0.097
ENSP00000013125	7.06E-06	-0.1169	246	0.639
ENSP00000314030	1.20E-05	-0.1169	938	0.472
ENSP00000454268	1.90E-07	-0.1170	0	0.206
ENSP00000458954	7.54E-06	-0.1170	167	0.579
ENSP00000260753	6.82E-06	-0.1170	313	0.312
ENSP00000346659	7.43E-06	-0.1170	0	0.292
ENSP00000353770	1.16E-05	-0.1170	354	0.683
ENSP00000261609	8.69E-06	-0.1170	177	0.704
ENSP00000284049	1.53E-05	-0.1171	196	0.920
ENSP00000460475	5.28E-06	-0.1171	0	0.606
ENSP00000265335	8.77E-06	-0.1171	208	0.000
ENSP00000229314	2.69E-05	-0.1171	0	0.095
ENSP00000325313	2.60E-05	-0.1171	0	0.087
ENSP00000341285	1.82E-05	-0.1171	469	0.000
ENSP00000340688	1.49E-05	-0.1171	150	0.000
ENSP00000283684	1.95E-05	-0.1171	242	0.491
ENSP00000263710	6.28E-06	-0.1171	0	0.167
ENSP00000451261	2.52E-05	-0.1171	696	0.604

ENSP00000349430	1.64E-05	-0.1172	885	0.954
ENSP00000276326	1.61E-04	-0.1172	299	0.354
ENSP00000311679	4.07E-06	-0.1172	0	0.656
ENSP00000246000	4.00E-05	-0.1172	0	0.000
ENSP00000353904	9.27E-06	-0.1172	0	0.336
ENSP00000258281	7.41E-06	-0.1172	0	0.835
ENSP00000353863	1.59E-05	-0.1172	200	0.777
ENSP00000262455	7.13E-06	-0.1172	599	0.527
ENSP00000452706	9.07E-07	-0.1173	0	0.000
ENSP00000386960	1.80E-06	-0.1173	0	0.000
ENSP00000261303	5.90E-06	-0.1173	0	0.584
ENSP00000351042	4.46E-06	-0.1173	0	0.681
ENSP00000287143	2.52E-05	-0.1173	608	0.163
ENSP00000287437	7.45E-06	-0.1173	0	0.666
ENSP00000306223	1.75E-05	-0.1173	427	0.907
ENSP00000329558	6.80E-06	-0.1173	987	0.610
ENSP00000471077	1.99E-06	-0.1174	0	0.689
ENSP00000338173	2.18E-05	-0.1174	225	0.685
ENSP00000470948	3.58E-07	-0.1174	0	0.000
ENSP00000344233	4.92E-06	-0.1174	0	0.480
ENSP00000383093	2.42E-06	-0.1175	0	0.162
ENSP00000356448	2.31E-05	-0.1175	283	0.682
ENSP00000362527	5.05E-06	-0.1175	0	0.690
ENSP00000282541	7.83E-06	-0.1175	0	0.283
ENSP00000271732	1.90E-05	-0.1175	0	0.083
ENSP00000409898	2.60E-06	-0.1175	0	0.000
ENSP00000356375	8.55E-06	-0.1175	0	0.664
ENSP00000348302	1.63E-06	-0.1175	0	0.000
ENSP00000407130	1.27E-05	-0.1175	171	0.703
ENSP00000375133	5.33E-06	-0.1175	0	0.683
ENSP00000367440	7.37E-06	-0.1176	0	0.364
ENSP00000401802	3.33E-05	-0.1176	360	0.828
ENSP00000396857	5.84E-06	-0.1176	0	0.680
ENSP00000438875	5.04E-06	-0.1176	0	0.637
ENSP00000338671	2.09E-05	-0.1176	205	0.558
ENSP00000320485	2.91E-05	-0.1176	452	0.766
ENSP00000261173	2.42E-06	-0.1176	0	0.626
ENSP00000347821	4.21E-06	-0.1176	0	0.116
ENSP00000381703	6.89E-08	-0.1176	0	0.104
ENSP00000378917	1.67E-05	-0.1176	292	0.640
ENSP00000277554	4.12E-06	-0.1177	0	0.690
ENSP00000388902	3.01E-06	-0.1177	0	0.000
ENSP00000333188	9.04E-06	-0.1177	226	0.000
ENSP00000166244	6.46E-06	-0.1177	229	0.678
ENSP00000215659	6.70E-06	-0.1178	430	0.664
ENSP00000265965	5.01E-06	-0.1178	0	0.133

ENSP00000331602	2.12E-05	-0.1178	906	0.667
ENSP00000420269	1.50E-05	-0.1178	431	0.278
ENSP00000374501	1.83E-06	-0.1178	0	0.393
ENSP00000299596	2.67E-05	-0.1178	0	0.067
ENSP00000326806	1.87E-05	-0.1178	386	0.897
ENSP00000357586	5.33E-06	-0.1179	0	0.177
ENSP00000339016	1.27E-05	-0.1179	272	0.318
ENSP00000377969	1.49E-05	-0.1179	218	0.798
ENSP00000306864	8.63E-06	-0.1179	0	0.661
ENSP00000404042	8.99E-06	-0.1179	162	0.142
ENSP00000290573	1.17E-05	-0.1179	255	0.680
ENSP00000412272	2.06E-06	-0.1180	0	0.000
ENSP00000272444	2.03E-05	-0.1180	0	0.400
ENSP00000414893	5.55E-06	-0.1180	0	0.000
ENSP00000336842	2.08E-05	-0.1180	334	0.704
ENSP00000284481	8.87E-07	-0.1180	0	0.000
ENSP00000265773	1.66E-05	-0.1180	501	0.000
ENSP00000360290	1.40E-05	-0.1180	240	0.739
ENSP00000343001	9.82E-06	-0.1180	0	0.546
ENSP00000359378	7.17E-06	-0.1180	0	0.124
ENSP00000344801	1.05E-05	-0.1181	191	0.172
ENSP00000410890	2.17E-06	-0.1181	0	0.681
ENSP00000350990	3.82E-06	-0.1181	0	0.297
ENSP00000352336	1.74E-05	-0.1181	256	0.758
ENSP00000342374	2.00E-05	-0.1181	341	0.861
ENSP00000349401	2.87E-06	-0.1181	0	0.671
ENSP00000419119	1.08E-07	-0.1182	0	0.206
ENSP00000446132	5.04E-06	-0.1182	0	0.096
ENSP00000322887	1.24E-05	-0.1182	159	0.976
ENSP00000356143	4.77E-06	-0.1182	0	0.672
ENSP00000348984	1.30E-05	-0.1182	0	0.577
ENSP00000391723	1.94E-05	-0.1182	225	0.683
ENSP00000251372	3.07E-05	-0.1182	0	0.216
ENSP00000232564	5.29E-06	-0.1183	397	0.653
ENSP00000264808	4.26E-06	-0.1183	0	0.764
ENSP00000249923	7.37E-06	-0.1183	0	0.328
ENSP00000352111	5.77E-06	-0.1183	0	0.124
ENSP00000360798	1.35E-05	-0.1183	338	0.636
ENSP00000449500	2.48E-06	-0.1183	0	0.160
ENSP00000310572	8.56E-06	-0.1183	342	0.678
ENSP00000433459	6.78E-06	-0.1183	0	0.415
ENSP00000287139	1.86E-05	-0.1183	150	0.873
ENSP00000370447	1.62E-06	-0.1184	0	0.172
ENSP00000325863	1.42E-05	-0.1184	193	0.839
ENSP00000440847	1.01E-05	-0.1184	270	0.602
ENSP00000324450	4.49E-06	-0.1184	0	0.000

ENSP00000230461	1.47E-05	-0.1184	0	0.101
ENSP00000003084	9.50E-06	-0.1184	829	0.749
ENSP00000005257	8.78E-06	-0.1184	523	0.608
ENSP00000362609	3.18E-06	-0.1185	0	0.677
ENSP00000355465	3.23E-06	-0.1185	0	0.384
ENSP00000429266	2.35E-06	-0.1185	0	0.696
ENSP00000469337	3.36E-06	-0.1185	0	0.663
ENSP00000453973	4.28E-06	-0.1185	0	0.000
ENSP00000344259	2.08E-05	-0.1185	216	0.692
ENSP00000334501	3.13E-06	-0.1186	0	0.202
ENSP00000307023	1.34E-05	-0.1186	300	0.760
ENSP00000359925	1.15E-05	-0.1186	510	0.615
ENSP00000267085	1.10E-05	-0.1186	218	0.256
ENSP00000337478	2.09E-05	-0.1186	274	0.416
ENSP00000353826	1.17E-05	-0.1186	307	0.447
ENSP00000400717	3.18E-05	-0.1187	508	0.648
ENSP00000301067	1.41E-05	-0.1187	244	0.000
ENSP00000424183	4.76E-06	-0.1187	0	0.109
ENSP00000385361	1.56E-05	-0.1187	265	0.593
ENSP00000468862	4.96E-06	-0.1187	0	0.000
ENSP00000320949	1.71E-05	-0.1188	272	0.601
ENSP00000398880	2.15E-05	-0.1188	172	0.868
ENSP00000419475	1.62E-06	-0.1188	0	0.129
ENSP00000372347	2.35E-05	-0.1188	244	0.894
ENSP00000470969	1.97E-06	-0.1188	0	0.000
ENSP00000269391	6.00E-06	-0.1188	0	0.105
ENSP00000250559	8.36E-06	-0.1188	933	0.600
ENSP00000470770	1.91E-07	-0.1188	0	0.000
ENSP00000400958	2.86E-06	-0.1189	0	0.131
ENSP00000397566	8.22E-06	-0.1189	0	0.384
ENSP00000367498	1.62E-05	-0.1189	188	0.835
ENSP00000335493	2.75E-06	-0.1190	0	0.000
ENSP00000347232	1.45E-05	-0.1190	150	0.802
ENSP00000309591	1.84E-05	-0.1191	900	0.642
ENSP00000360411	2.21E-05	-0.1191	0	0.096
ENSP00000379047	3.22E-06	-0.1191	0	0.131
ENSP00000353864	9.40E-06	-0.1191	151	0.731
ENSP00000456894	1.56E-06	-0.1191	0	0.151
ENSP00000261182	9.62E-06	-0.1191	326	0.000
ENSP00000216297	1.44E-05	-0.1191	445	0.924
ENSP00000302898	7.13E-06	-0.1191	186	0.454
ENSP00000463645	1.96E-05	-0.1192	244	0.000
ENSP00000355899	3.94E-06	-0.1192	0	0.854
ENSP00000336721	7.25E-06	-0.1192	0	0.925
ENSP00000386796	3.36E-06	-0.1192	0	0.065
ENSP00000303147	9.18E-06	-0.1192	414	0.638

ENSP00000406885	2.51E-06	-0.1192	0	0.077
ENSP00000352645	7.37E-06	-0.1192	204	0.517
ENSP00000365057	5.42E-06	-0.1193	0	0.172
ENSP00000302855	4.16E-06	-0.1193	0	0.733
ENSP00000403975	3.05E-06	-0.1193	0	0.697
ENSP00000301727	4.69E-06	-0.1193	0	0.780
ENSP00000243914	3.74E-06	-0.1194	0	0.736
ENSP00000363064	6.19E-06	-0.1194	0	0.672
ENSP00000211287	6.26E-06	-0.1194	389	0.665
ENSP00000264110	1.56E-05	-0.1194	406	0.000
ENSP00000326381	1.31E-05	-0.1194	961	0.000
ENSP00000378165	1.65E-05	-0.1194	276	0.687
ENSP00000370253	2.73E-05	-0.1194	260	0.874
ENSP00000338413	2.59E-05	-0.1194	394	0.741
ENSP00000453364	1.81E-06	-0.1194	0	0.189
ENSP00000380178	1.72E-05	-0.1194	178	0.659
ENSP00000429562	2.12E-05	-0.1195	196	0.337
ENSP00000418910	4.33E-06	-0.1195	0	0.000
ENSP00000294702	8.34E-06	-0.1195	193	0.832
ENSP00000357425	6.73E-06	-0.1195	0	0.099
ENSP00000330633	1.37E-05	-0.1195	163	0.818
ENSP00000336606	8.03E-06	-0.1195	160	0.000
ENSP00000325377	2.95E-05	-0.1196	161	0.651
ENSP00000307540	2.14E-05	-0.1196	215	0.187
ENSP00000325376	9.58E-06	-0.1196	196	0.946
ENSP00000274606	1.06E-05	-0.1196	231	0.000
ENSP00000375593	3.82E-06	-0.1196	0	0.691
ENSP00000292614	6.48E-06	-0.1196	0	0.828
ENSP00000332513	4.84E-05	-0.1196	392	0.078
ENSP00000457881	1.66E-05	-0.1196	242	0.000
ENSP00000471000	2.16E-06	-0.1196	0	0.694
ENSP00000264972	1.21E-05	-0.1196	365	0.675
ENSP00000317468	2.57E-06	-0.1197	0	0.000
ENSP00000324636	8.35E-06	-0.1197	175	0.000
ENSP00000262646	7.72E-06	-0.1197	231	0.590
ENSP00000322304	1.35E-05	-0.1197	251	0.518
ENSP00000446872	1.75E-06	-0.1197	0	0.000
ENSP00000353893	2.33E-05	-0.1198	300	0.125
ENSP00000375073	3.52E-06	-0.1198	0	0.512
ENSP00000324740	2.72E-05	-0.1198	504	0.656
ENSP00000264335	1.32E-05	-0.1198	649	0.697
ENSP00000417281	3.69E-05	-0.1198	800	0.826
ENSP00000394394	5.91E-06	-0.1198	0	0.408
ENSP00000378323	3.50E-05	-0.1199	375	0.657
ENSP00000310042	5.70E-06	-0.1199	0	0.834
ENSP00000431971	3.58E-06	-0.1199	0	0.123

ENSP00000229328	3.88E-06	-0.1199	0	0.000
ENSP00000298428	6.72E-06	-0.1199	516	0.569
ENSP00000384675	2.94E-05	-0.1199	905	0.812
ENSP00000418668	5.24E-06	-0.1200	0	0.240
ENSP00000254940	4.04E-06	-0.1200	0	0.907
ENSP00000237654	1.22E-05	-0.1200	195	0.630
ENSP00000331385	1.77E-05	-0.1200	0	0.163
ENSP00000319053	1.04E-05	-0.1200	150	0.736
ENSP00000331310	2.01E-05	-0.1201	339	0.934
ENSP00000336687	8.29E-06	-0.1201	556	0.860
ENSP00000222725	1.77E-05	-0.1201	271	0.850
ENSP00000262085	1.33E-05	-0.1202	181	0.000
ENSP00000342082	8.37E-05	-0.1202	407	0.770
ENSP00000333667	1.12E-05	-0.1202	851	0.631
ENSP00000261205	1.11E-05	-0.1202	170	0.315
ENSP00000376808	2.11E-05	-0.1202	330	0.714
ENSP00000369915	1.95E-05	-0.1202	326	0.000
ENSP00000315265	2.72E-05	-0.1203	0	0.125
ENSP00000304308	1.48E-05	-0.1203	197	0.759
ENSP00000265728	3.95E-06	-0.1203	0	0.675
ENSP00000385610	3.75E-06	-0.1203	0	0.519
ENSP00000244769	1.59E-05	-0.1203	198	0.692
ENSP00000375557	1.62E-05	-0.1204	165	0.000
ENSP00000360757	5.33E-06	-0.1204	0	0.148
ENSP00000259605	2.11E-05	-0.1204	0	0.447
ENSP00000264010	8.60E-06	-0.1204	207	0.807
ENSP00000343709	1.37E-05	-0.1205	0	0.127
ENSP00000323740	1.91E-05	-0.1205	330	0.658
ENSP00000346148	7.84E-06	-0.1205	279	0.762
ENSP00000319336	9.93E-06	-0.1205	0	0.162
ENSP00000382327	3.55E-06	-0.1205	0	0.113
ENSP00000338020	1.73E-05	-0.1206	959	0.785
ENSP00000265734	1.77E-05	-0.1206	339	0.000
ENSP00000376103	2.30E-06	-0.1206	0	0.141
ENSP00000444788	1.52E-05	-0.1206	356	0.139
ENSP00000429374	7.61E-06	-0.1206	406	0.768
ENSP00000380460	2.28E-05	-0.1206	231	0.619
ENSP00000310205	1.27E-05	-0.1207	216	0.668
ENSP00000358491	5.58E-06	-0.1207	0	0.111
ENSP00000351284	1.59E-05	-0.1207	205	0.874
ENSP00000363640	8.38E-06	-0.1207	358	0.757
ENSP00000364859	1.84E-05	-0.1207	342	0.619
ENSP00000295101	2.06E-05	-0.1207	299	0.485
ENSP00000379704	5.61E-06	-0.1207	0	0.237
ENSP00000372160	2.06E-05	-0.1207	0	0.068
ENSP00000365514	1.49E-05	-0.1208	863	0.862

ENSP00000356357	1.13E-05	-0.1208	0	0.838
ENSP00000370330	5.35E-06	-0.1208	0	0.740
ENSP00000455307	2.79E-05	-0.1208	900	0.924
ENSP00000321132	6.83E-06	-0.1209	0	0.698
ENSP00000333926	6.42E-06	-0.1209	160	0.392
ENSP00000307288	1.26E-05	-0.1210	171	0.000
ENSP00000265428	4.68E-06	-0.1210	0	0.608
ENSP00000340998	2.41E-05	-0.1210	0	0.260
ENSP00000263642	1.10E-05	-0.1210	157	0.662
ENSP00000217244	6.57E-06	-0.1210	920	0.000
ENSP00000384330	2.58E-05	-0.1210	903	0.512
ENSP00000424038	1.82E-05	-0.1210	921	0.799
ENSP00000264818	1.32E-05	-0.1211	251	0.660
ENSP00000302603	8.35E-06	-0.1211	0	0.690
ENSP00000256797	7.19E-06	-0.1211	873	0.678
ENSP00000368477	5.66E-06	-0.1212	232	0.115
ENSP00000367408	1.14E-05	-0.1212	350	0.646
ENSP00000466799	6.17E-06	-0.1212	0	0.373
ENSP00000387966	8.31E-06	-0.1212	0	0.000
ENSP00000339830	4.55E-06	-0.1212	0	0.155
ENSP00000220003	1.24E-05	-0.1212	923	0.666
ENSP00000314776	2.22E-06	-0.1213	0	0.000
ENSP00000303915	7.11E-06	-0.1213	0	0.702
ENSP00000412922	4.30E-06	-0.1213	0	0.495
ENSP00000454241	2.10E-06	-0.1213	0	0.000
ENSP00000383402	2.37E-06	-0.1213	0	0.422
ENSP00000316809	3.06E-06	-0.1213	0	0.000
ENSP00000264318	4.31E-06	-0.1213	0	0.318
ENSP00000336591	1.30E-05	-0.1214	287	0.549
ENSP00000271555	8.37E-06	-0.1214	227	0.000
ENSP00000472801	2.06E-06	-0.1214	0	0.000
ENSP00000419038	3.43E-05	-0.1214	431	0.803
ENSP00000349486	5.65E-06	-0.1214	0	0.740
ENSP00000398290	2.61E-06	-0.1214	0	0.150
ENSP00000337641	8.99E-06	-0.1214	0	0.604
ENSP00000263955	4.22E-06	-0.1215	0	0.673
ENSP00000471539	1.39E-07	-0.1215	0	0.000
ENSP00000347648	3.88E-06	-0.1215	0	0.672
ENSP00000349175	9.40E-06	-0.1215	0	0.000
ENSP00000379658	2.16E-05	-0.1215	284	0.856
ENSP00000417147	3.95E-06	-0.1215	0	0.130
ENSP00000300145	3.36E-06	-0.1216	0	0.000
ENSP00000381081	5.91E-06	-0.1216	0	0.108
ENSP00000420384	1.91E-05	-0.1216	161	0.114
ENSP00000392189	3.29E-06	-0.1216	0	0.122
ENSP00000325091	5.20E-06	-0.1216	0	0.561

ENSP00000395007	3.36E-06	-0.1216	0	0.665
ENSP00000371003	2.36E-06	-0.1216	0	0.506
ENSP00000379895	9.03E-06	-0.1216	0	0.165
ENSP00000280326	1.37E-05	-0.1217	772	0.722
ENSP00000365807	9.54E-06	-0.1217	240	0.696
ENSP00000334738	4.03E-06	-0.1217	0	0.000
ENSP00000282572	3.47E-06	-0.1217	0	0.628
ENSP00000334008	1.43E-05	-0.1218	0	0.407
ENSP00000234310	7.30E-06	-0.1218	207	0.658
ENSP00000394249	2.18E-06	-0.1218	0	0.530
ENSP00000305449	1.39E-05	-0.1218	189	0.130
ENSP00000353238	2.09E-05	-0.1218	231	0.790
ENSP00000335388	3.33E-06	-0.1218	0	0.000
ENSP00000359845	2.98E-08	-0.1218	0	0.214
ENSP00000283357	1.40E-05	-0.1218	0	0.184
ENSP00000311505	1.92E-05	-0.1218	304	0.364
ENSP00000271715	6.26E-06	-0.1218	159	0.762
ENSP00000443070	8.57E-07	-0.1218	0	0.000
ENSP00000374265	2.14E-05	-0.1219	242	0.339
ENSP00000305373	3.83E-06	-0.1219	0	0.692
ENSP00000370194	5.15E-06	-0.1219	0	0.144
ENSP00000354855	4.88E-06	-0.1219	0	0.761
ENSP00000237264	1.12E-05	-0.1219	330	0.000
ENSP00000265827	6.79E-06	-0.1219	0	0.682
ENSP00000365877	2.57E-05	-0.1220	244	0.000
ENSP00000350332	1.64E-05	-0.1220	900	0.204
ENSP00000420821	1.47E-05	-0.1220	0	0.678
ENSP00000296127	1.41E-05	-0.1220	0	0.089
ENSP00000385028	1.26E-05	-0.1220	0	0.080
ENSP00000439228	1.22E-06	-0.1220	0	0.148
ENSP00000448536	2.50E-06	-0.1220	0	0.130
ENSP00000369907	4.09E-06	-0.1221	0	0.000
ENSP00000457423	4.25E-06	-0.1221	0	0.696
ENSP00000349853	3.61E-06	-0.1221	0	0.000
ENSP00000430684	2.73E-05	-0.1221	447	0.887
ENSP00000264864	3.41E-06	-0.1222	0	0.000
ENSP00000408411	2.40E-05	-0.1222	378	0.392
ENSP00000424737	3.61E-06	-0.1222	0	0.000
ENSP00000252799	6.66E-06	-0.1222	0	0.687
ENSP00000283122	5.29E-06	-0.1222	213	0.669
ENSP00000413035	1.34E-05	-0.1222	518	0.721
ENSP00000378414	2.03E-05	-0.1222	188	0.913
ENSP00000273398	1.35E-05	-0.1222	200	0.256
ENSP00000311449	2.08E-05	-0.1223	232	0.248
ENSP00000425561	2.33E-05	-0.1223	716	0.766
ENSP00000470117	1.07E-07	-0.1223	0	0.000



ENSP00000326841	6.03E-06	-0.1223	0	0.150
ENSP00000373167	4.21E-06	-0.1223	0	0.107
ENSP00000401399	3.56E-05	-0.1223	499	0.947
ENSP00000413520	1.16E-05	-0.1223	298	0.087
ENSP00000379880	4.76E-06	-0.1224	0	0.691
ENSP00000348168	3.68E-06	-0.1224	0	0.786
ENSP00000328515	5.63E-06	-0.1224	0	0.700
ENSP00000371973	2.56E-05	-0.1224	374	0.829
ENSP00000357669	1.23E-05	-0.1224	159	0.666
ENSP00000354620	3.91E-06	-0.1224	0	0.000
ENSP00000465578	3.07E-06	-0.1225	0	0.698
ENSP00000362900	2.02E-05	-0.1225	400	0.948
ENSP00000420477	1.86E-05	-0.1225	312	0.715
ENSP00000363275	9.62E-06	-0.1225	475	0.630
ENSP00000366955	1.65E-06	-0.1225	0	0.273
ENSP00000362352	9.20E-06	-0.1225	198	0.967
ENSP00000262238	1.57E-05	-0.1226	951	0.817
ENSP00000344844	1.60E-05	-0.1226	215	0.418
ENSP00000330842	6.58E-06	-0.1226	160	0.711
ENSP00000363330	1.36E-05	-0.1227	203	0.452
ENSP00000364613	1.83E-06	-0.1227	0	0.000
ENSP00000319192	3.64E-06	-0.1227	0	0.000
ENSP00000372689	3.51E-06	-0.1227	0	0.671
ENSP00000360412	2.39E-05	-0.1227	366	0.873
ENSP00000324804	5.67E-06	-0.1228	0	0.622
ENSP00000433361	4.46E-06	-0.1228	0	0.121
ENSP00000406318	2.10E-06	-0.1228	0	0.697
ENSP00000308610	5.46E-06	-0.1228	203	0.667
ENSP00000352420	2.93E-06	-0.1228	0	0.197
ENSP00000443411	1.29E-05	-0.1228	197	0.347
ENSP00000361280	8.76E-06	-0.1228	414	0.000
ENSP00000348996	2.67E-06	-0.1228	0	0.202
ENSP00000354525	5.16E-06	-0.1229	240	0.766
ENSP00000345144	1.41E-05	-0.1229	0	0.240
ENSP00000468046	1.93E-06	-0.1229	0	0.000
ENSP00000349204	1.82E-05	-0.1229	181	0.179
ENSP00000371138	2.66E-05	-0.1229	306	0.803
ENSP00000357858	7.49E-06	-0.1229	0	0.650
ENSP00000360727	2.13E-05	-0.1230	284	0.242
ENSP00000373215	1.18E-05	-0.1230	313	0.158
ENSP00000440920	1.91E-07	-0.1230	0	0.000
ENSP00000339356	2.11E-06	-0.1230	0	0.190
ENSP00000437563	2.51E-07	-0.1230	0	0.000
ENSP00000392147	5.33E-06	-0.1231	0	0.227
ENSP00000363998	1.47E-05	-0.1231	219	0.730
ENSP00000383938	1.81E-05	-0.1231	439	0.095

ENSP00000334051	4.30E-06	-0.1231	205	0.000
ENSP00000262105	9.29E-06	-0.1231	236	0.000
ENSP00000349722	2.03E-05	-0.1231	328	0.644
ENSP00000367655	2.84E-06	-0.1232	0	0.126
ENSP00000345731	1.40E-05	-0.1232	310	0.613
ENSP00000366604	3.33E-05	-0.1232	644	0.872
ENSP00000460850	1.84E-05	-0.1232	645	0.056
ENSP00000364893	2.21E-05	-0.1232	268	0.858
ENSP00000261951	9.65E-06	-0.1232	250	0.684
ENSP00000366628	5.40E-06	-0.1232	0	0.108
ENSP00000270162	1.05E-05	-0.1233	151	0.772
ENSP00000387307	1.87E-05	-0.1233	196	0.232
ENSP00000262854	6.58E-06	-0.1233	361	0.732
ENSP00000358554	1.92E-05	-0.1233	275	0.722
ENSP00000380313	5.65E-06	-0.1233	0	0.693
ENSP00000391067	5.41E-06	-0.1233	0	0.683
ENSP00000473193	1.60E-06	-0.1234	0	0.000
ENSP00000413660	1.97E-06	-0.1234	0	0.690
ENSP00000393324	1.58E-05	-0.1234	188	0.822
ENSP00000269051	5.63E-06	-0.1234	153	0.665
ENSP00000315644	9.16E-06	-0.1234	235	0.652
ENSP00000323913	5.10E-06	-0.1235	0	0.210
ENSP00000420959	2.22E-06	-0.1235	0	0.000
ENSP00000340874	2.39E-05	-0.1235	430	0.000
ENSP00000469474	1.53E-07	-0.1235	0	0.000
ENSP00000419417	1.20E-06	-0.1235	0	0.134
ENSP00000316176	2.15E-05	-0.1235	228	0.710
ENSP00000402414	3.64E-06	-0.1236	0	0.251
ENSP00000440896	3.68E-06	-0.1236	0	0.101
ENSP00000417078	2.06E-05	-0.1236	227	0.899
ENSP00000238497	9.86E-06	-0.1236	0	0.175
ENSP00000369798	4.02E-06	-0.1236	0	0.126
ENSP00000362485	6.06E-06	-0.1236	0	0.131
ENSP00000385722	4.88E-06	-0.1236	0	0.282
ENSP00000417183	6.62E-06	-0.1237	0	0.699
ENSP00000346389	2.76E-05	-0.1237	452	0.000
ENSP00000368030	2.41E-05	-0.1237	198	0.440
ENSP00000380960	6.35E-06	-0.1237	0	0.000
ENSP00000282356	3.64E-06	-0.1237	0	0.000
ENSP00000256458	9.07E-06	-0.1237	205	0.693
ENSP00000427514	4.34E-05	-0.1237	198	0.866
ENSP00000379651	2.31E-06	-0.1237	0	0.168
ENSP00000333775	6.02E-06	-0.1237	0	0.199
ENSP00000300619	5.96E-06	-0.1237	0	0.699
ENSP00000245663	5.75E-06	-0.1238	0	0.706
ENSP00000316578	7.34E-06	-0.1238	0	0.820

ENSP00000258091	1.14E-05	-0.1238	795	0.728
ENSP00000416897	7.83E-08	-0.1238	0	0.000
ENSP00000410083	5.62E-06	-0.1238	0	0.115
ENSP00000366267	3.07E-05	-0.1238	917	0.614
ENSP00000325776	4.85E-06	-0.1238	0	0.176
ENSP00000338862	1.48E-05	-0.1239	331	0.924
ENSP00000416240	3.85E-06	-0.1239	0	0.000
ENSP00000426120	1.50E-05	-0.1239	0	0.058
ENSP00000294740	6.13E-06	-0.1239	0	0.716
ENSP00000431391	5.33E-06	-0.1239	0	0.290
ENSP00000319140	8.14E-06	-0.1239	0	0.170
ENSP00000353472	3.43E-05	-0.1239	281	0.708
ENSP00000360525	1.99E-05	-0.1239	996	0.892
ENSP00000339047	7.37E-06	-0.1239	0	0.464
ENSP00000351967	6.01E-06	-0.1240	0	0.000
ENSP00000369424	2.77E-05	-0.1240	201	0.926
ENSP00000293276	1.28E-05	-0.1240	0	0.000
ENSP00000259324	6.05E-06	-0.1241	0	0.598
ENSP00000366275	7.62E-06	-0.1241	189	0.107
ENSP00000155926	3.98E-06	-0.1241	205	0.680
ENSP00000394085	2.55E-05	-0.1241	214	0.759
ENSP00000385470	5.28E-06	-0.1242	0	0.488
ENSP00000350789	2.14E-05	-0.1242	225	0.000
ENSP00000354522	2.55E-05	-0.1242	195	0.830
ENSP00000349459	4.54E-06	-0.1242	0	0.071
ENSP00000261839	1.19E-05	-0.1242	434	0.531
ENSP00000387982	1.97E-05	-0.1242	200	0.933
ENSP00000350098	4.76E-06	-0.1242	0	0.535
ENSP00000322791	5.24E-06	-0.1242	0	0.224
ENSP00000261427	8.79E-06	-0.1243	242	0.725
ENSP00000346879	2.26E-05	-0.1243	230	0.883
ENSP00000260731	4.45E-06	-0.1243	0	0.426
ENSP00000339001	2.65E-05	-0.1243	434	0.653
ENSP00000332194	1.39E-05	-0.1243	216	0.000
ENSP00000318753	7.44E-06	-0.1243	0	0.150
ENSP00000260983	6.78E-06	-0.1243	0	0.500
ENSP00000413929	4.47E-06	-0.1244	0	0.703
ENSP00000348010	2.00E-05	-0.1244	474	0.704
ENSP00000392330	1.98E-05	-0.1244	170	0.179
ENSP00000360608	2.30E-05	-0.1244	200	0.691
ENSP00000423567	2.41E-06	-0.1244	0	0.116
ENSP00000350275	1.48E-05	-0.1244	911	0.000
ENSP00000364978	1.21E-06	-0.1244	0	0.175
ENSP00000339764	3.69E-06	-0.1244	0	0.736
ENSP00000359693	1.92E-05	-0.1244	284	0.796
ENSP00000455169	8.62E-06	-0.1244	0	0.049

ENSP00000293525	1.50E-06	-0.1245	0	0.000
ENSP00000357597	2.09E-05	-0.1245	153	0.000
ENSP00000356022	3.17E-05	-0.1245	408	0.670
ENSP00000265074	3.31E-06	-0.1245	0	0.663
ENSP00000346886	5.22E-06	-0.1245	0	0.762
ENSP00000283195	1.62E-05	-0.1245	426	0.000
ENSP00000377769	2.52E-05	-0.1245	316	0.211
ENSP00000319169	1.49E-05	-0.1245	204	0.873
ENSP00000364289	2.16E-05	-0.1246	427	0.903
ENSP00000365395	1.55E-05	-0.1246	151	0.149
ENSP00000417492	3.80E-06	-0.1246	0	0.139
ENSP00000313582	3.74E-06	-0.1246	0	0.726
ENSP00000334430	3.44E-06	-0.1246	0	0.155
ENSP00000352233	3.13E-06	-0.1246	0	0.686
ENSP00000417175	3.55E-05	-0.1246	197	0.331
ENSP00000418748	6.17E-06	-0.1246	0	0.308
ENSP00000347140	9.35E-06	-0.1246	681	0.117
ENSP00000363322	5.17E-06	-0.1246	0	0.425
ENSP00000345064	2.03E-05	-0.1247	335	0.698
ENSP00000350011	4.05E-06	-0.1247	0	0.651
ENSP00000326272	8.88E-06	-0.1247	202	0.000
ENSP00000327179	1.41E-05	-0.1247	204	0.853
ENSP00000313007	1.67E-05	-0.1247	672	0.917
ENSP00000382218	7.75E-06	-0.1247	573	0.364
ENSP00000302530	8.00E-06	-0.1247	198	0.000
ENSP00000281830	3.55E-06	-0.1247	0	0.111
ENSP00000353074	1.97E-05	-0.1248	901	0.949
ENSP00000351777	1.87E-05	-0.1248	798	0.761
ENSP00000370669	8.03E-06	-0.1248	279	0.141
ENSP00000327255	1.02E-05	-0.1248	173	0.773
ENSP00000364802	2.97E-05	-0.1248	271	0.897
ENSP00000386280	3.15E-06	-0.1248	0	0.082
ENSP00000371126	2.41E-06	-0.1248	0	0.412
ENSP00000380920	4.86E-07	-0.1249	0	0.169
ENSP00000319474	1.02E-05	-0.1249	242	0.000
ENSP00000333012	4.63E-06	-0.1249	0	0.595
ENSP00000389630	4.28E-06	-0.1249	0	0.072
ENSP00000265709	8.67E-06	-0.1249	998	0.682
ENSP00000370151	9.38E-06	-0.1249	201	0.756
ENSP00000361811	8.73E-07	-0.1251	0	0.180
ENSP00000337451	1.42E-05	-0.1251	240	0.670
ENSP00000387361	1.08E-05	-0.1251	0	0.173
ENSP00000356853	4.54E-06	-0.1251	0	0.325
ENSP00000291295	5.16E-06	-0.1251	153	0.000
ENSP00000433343	2.14E-06	-0.1251	0	0.121
ENSP00000347532	3.19E-06	-0.1251	0	0.000

ENSP00000410734	3.19E-06	-0.1251	0	0.697
ENSP00000361219	4.19E-06	-0.1251	0	0.669
ENSP00000311005	1.99E-05	-0.1251	846	0.680
ENSP00000252797	6.07E-06	-0.1251	0	0.692
ENSP00000369351	1.48E-05	-0.1252	181	0.786
ENSP00000316940	1.13E-05	-0.1252	0	0.187
ENSP00000248996	8.25E-06	-0.1252	508	0.000
ENSP00000428966	3.50E-06	-0.1252	0	0.000
ENSP00000300101	5.87E-06	-0.1252	0	0.683
ENSP00000306637	3.21E-06	-0.1253	0	0.711
ENSP00000341139	6.17E-07	-0.1253	0	0.205
ENSP00000260600	8.55E-06	-0.1253	457	0.648
ENSP00000262608	7.96E-06	-0.1253	400	0.000
ENSP00000375108	5.19E-07	-0.1253	0	0.186
ENSP00000304355	2.03E-05	-0.1253	191	0.110
ENSP00000346729	3.62E-06	-0.1253	0	0.692
ENSP00000463741	2.30E-06	-0.1253	0	0.694
ENSP00000376500	2.04E-05	-0.1254	196	0.847
ENSP00000389182	5.56E-06	-0.1254	0	0.630
ENSP00000295756	1.19E-05	-0.1254	392	0.641
ENSP00000341658	7.96E-06	-0.1254	0	0.651
ENSP00000264951	8.40E-06	-0.1254	419	0.000
ENSP00000358160	2.23E-05	-0.1254	808	0.931
ENSP00000381504	6.62E-06	-0.1255	241	0.656
ENSP00000340176	2.78E-05	-0.1255	412	0.375
ENSP00000451320	2.58E-05	-0.1255	214	0.720
ENSP00000297338	4.80E-06	-0.1255	0	0.729
ENSP00000378368	5.51E-06	-0.1255	0	0.252
ENSP00000401721	1.34E-05	-0.1256	432	0.896
ENSP00000353741	2.20E-05	-0.1256	321	0.875
ENSP00000372136	2.20E-06	-0.1256	0	0.143
ENSP00000263666	1.76E-05	-0.1256	200	0.544
ENSP00000351047	3.52E-06	-0.1256	0	0.105
ENSP00000263895	1.02E-05	-0.1256	317	0.590
ENSP00000311113	2.58E-05	-0.1256	721	0.871
ENSP00000367069	4.56E-06	-0.1257	0	0.718
ENSP00000452037	1.27E-05	-0.1257	165	0.472
ENSP00000217188	4.66E-06	-0.1257	205	0.679
ENSP00000379372	4.04E-06	-0.1257	0	0.703
ENSP00000334836	1.53E-05	-0.1258	267	0.669
ENSP00000393292	3.70E-06	-0.1258	0	0.113
ENSP00000304065	6.48E-08	-0.1258	0	0.000
ENSP00000348815	1.14E-05	-0.1258	191	0.172
ENSP00000335285	2.06E-06	-0.1258	0	0.185
ENSP00000416959	1.23E-05	-0.1258	228	0.765
ENSP00000349594	1.99E-05	-0.1258	264	0.843

ENSP00000263095	6.32E-06	-0.1258	0	0.692
ENSP00000387907	1.52E-06	-0.1259	0	0.131
ENSP00000358165	4.47E-06	-0.1259	0	0.181
ENSP00000431287	1.06E-06	-0.1259	0	0.238
ENSP00000382342	1.39E-05	-0.1259	183	0.508
ENSP00000344071	5.95E-06	-0.1260	0	0.198
ENSP00000265562	5.86E-06	-0.1260	229	0.659
ENSP00000431198	1.83E-06	-0.1260	0	0.000
ENSP00000387176	3.95E-05	-0.1260	526	0.000
ENSP00000339845	1.62E-05	-0.1260	342	0.728
ENSP00000337746	1.04E-05	-0.1260	158	0.000
ENSP00000322957	8.77E-06	-0.1261	151	0.664
ENSP00000298386	8.78E-06	-0.1261	198	0.679
ENSP00000322545	6.57E-06	-0.1262	0	0.691
ENSP00000375726	3.58E-06	-0.1262	0	0.000
ENSP00000324172	4.72E-06	-0.1262	0	0.623
ENSP00000318297	1.39E-05	-0.1262	303	0.856
ENSP00000421364	1.10E-05	-0.1262	0	0.000
ENSP00000282538	9.17E-06	-0.1262	0	0.180
ENSP00000369391	4.49E-06	-0.1262	0	0.277
ENSP00000354856	1.77E-05	-0.1262	254	0.679
ENSP00000382507	1.88E-05	-0.1263	201	0.171
ENSP00000418529	1.27E-05	-0.1263	162	0.179
ENSP00000338217	6.12E-06	-0.1263	0	0.677
ENSP00000380999	2.86E-06	-0.1263	0	0.678
ENSP00000378181	3.66E-06	-0.1264	0	0.703
ENSP00000398824	5.02E-06	-0.1264	0	0.826
ENSP00000268057	8.30E-06	-0.1265	359	0.700
ENSP00000304226	6.42E-06	-0.1265	189	0.680
ENSP00000389951	1.71E-05	-0.1266	208	0.000
ENSP00000352668	4.18E-06	-0.1266	0	0.119
ENSP00000264903	8.78E-06	-0.1266	250	0.000
ENSP00000270590	4.15E-05	-0.1266	0	0.161
ENSP00000344818	1.54E-01	-0.1266	999	0.000
ENSP00000339449	8.96E-06	-0.1266	242	0.000
ENSP00000414920	3.79E-06	-0.1266	0	0.091
ENSP00000465676	1.96E-05	-0.1267	373	0.815
ENSP00000381840	5.81E-06	-0.1267	0	0.685
ENSP00000383270	3.90E-06	-0.1268	0	0.153
ENSP00000414516	3.59E-06	-0.1268	0	0.628
ENSP00000292644	8.14E-06	-0.1268	260	0.538
ENSP00000459789	5.39E-06	-0.1268	0	0.000
ENSP00000400175	5.19E-05	-0.1268	958	0.794
ENSP00000423134	1.90E-06	-0.1268	0	0.000
ENSP00000343488	7.28E-06	-0.1268	315	0.000
ENSP00000332528	1.75E-05	-0.1269	161	0.127

ENSP00000408697	2.74E-06	-0.1269	0	0.111
ENSP00000254963	7.93E-06	-0.1269	195	0.771
ENSP00000337320	6.63E-06	-0.1269	0	0.685
ENSP00000263800	1.85E-05	-0.1269	210	0.814
ENSP00000280772	9.96E-06	-0.1270	201	0.671
ENSP00000436604	4.30E-06	-0.1271	0	0.100
ENSP00000339238	7.82E-07	-0.1271	0	0.199
ENSP00000276014	3.62E-06	-0.1271	0	0.648
ENSP00000370047	5.25E-06	-0.1271	0	0.076
ENSP00000370867	1.93E-05	-0.1272	261	0.546
ENSP00000340683	4.16E-06	-0.1272	0	0.684
ENSP00000455911	3.05E-06	-0.1272	0	0.693
ENSP00000399078	2.91E-06	-0.1272	0	0.000
ENSP00000262752	6.19E-06	-0.1273	289	0.684
ENSP00000342510	5.11E-06	-0.1273	0	0.395
ENSP00000265713	9.76E-06	-0.1273	320	0.000
ENSP00000270112	4.28E-06	-0.1273	205	0.676
ENSP00000266743	4.55E-06	-0.1273	0	0.369
ENSP00000339030	5.12E-06	-0.1274	0	0.701
ENSP00000384832	1.22E-06	-0.1274	0	0.165
ENSP00000367570	1.87E-05	-0.1274	244	0.903
ENSP00000217185	4.59E-06	-0.1274	205	0.684
ENSP00000412189	1.52E-05	-0.1274	257	0.468
ENSP00000350267	9.00E-06	-0.1274	430	0.000
ENSP00000341289	1.99E-05	-0.1275	476	0.626
ENSP00000355920	2.24E-05	-0.1275	160	0.077
ENSP00000357149	8.65E-06	-0.1275	200	0.185
ENSP00000385432	8.44E-06	-0.1275	923	0.218
ENSP00000347948	1.33E-05	-0.1275	290	0.685
ENSP00000356912	1.61E-06	-0.1275	0	0.128
ENSP00000433427	1.40E-05	-0.1276	204	0.204
ENSP00000430073	3.25E-07	-0.1277	0	0.194
ENSP00000325525	3.18E-05	-0.1277	0	0.000
ENSP00000361918	1.79E-05	-0.1277	482	0.900
ENSP00000315743	7.93E-06	-0.1277	150	0.691
ENSP00000413152	9.03E-06	-0.1277	282	0.418
ENSP00000317310	1.17E-05	-0.1277	290	0.000
ENSP00000341826	1.77E-05	-0.1278	491	0.000
ENSP00000280325	3.46E-06	-0.1278	0	0.174
ENSP00000371236	4.21E-05	-0.1278	605	0.659
ENSP00000418401	1.50E-05	-0.1278	907	0.473
ENSP00000470609	1.38E-05	-0.1278	644	0.182
ENSP00000366135	8.69E-06	-0.1279	225	0.893
ENSP00000248975	8.34E-06	-0.1280	333	0.678
ENSP00000465517	1.51E-06	-0.1280	0	0.131
ENSP00000373278	1.16E-06	-0.1280	0	0.173

ENSP00000311684	1.13E-05	-0.1280	441	0.661
ENSP00000332111	3.77E-06	-0.1280	153	0.000
ENSP00000352941	8.54E-06	-0.1281	0	0.090
ENSP00000437142	6.09E-06	-0.1281	191	0.000
ENSP00000386722	5.84E-06	-0.1281	299	0.120
ENSP00000460571	1.65E-06	-0.1281	0	0.000
ENSP00000255304	4.93E-06	-0.1282	0	0.143
ENSP00000351717	6.79E-06	-0.1282	160	0.378
ENSP00000416707	3.93E-06	-0.1282	0	0.095
ENSP00000355245	5.56E-06	-0.1282	0	0.855
ENSP00000456401	1.87E-06	-0.1282	0	0.107
ENSP00000383115	2.17E-05	-0.1282	0	0.069
ENSP00000371607	1.24E-05	-0.1283	517	0.130
ENSP00000411439	4.05E-06	-0.1283	0	0.092
ENSP00000352498	1.86E-05	-0.1284	554	0.000
ENSP00000453403	2.99E-06	-0.1284	0	0.387
ENSP00000275300	7.23E-06	-0.1284	0	0.059
ENSP00000361603	1.06E-05	-0.1284	0	0.112
ENSP00000346890	1.66E-05	-0.1284	242	0.185
ENSP00000296122	1.02E-05	-0.1284	194	0.545
ENSP00000363734	3.81E-06	-0.1284	0	0.442
ENSP00000296776	1.82E-05	-0.1285	0	0.214
ENSP00000326981	4.89E-06	-0.1285	399	0.897
ENSP00000216101	3.84E-06	-0.1285	448	0.598
ENSP00000394791	7.28E-06	-0.1285	163	0.743
ENSP00000255465	7.56E-06	-0.1286	211	0.716
ENSP00000362353	2.27E-05	-0.1286	365	0.700
ENSP00000384996	2.01E-06	-0.1286	0	0.094
ENSP00000472120	1.28E-06	-0.1286	0	0.000
ENSP00000368005	3.93E-06	-0.1286	0	0.617
ENSP00000359299	4.25E-06	-0.1286	0	0.101
ENSP00000396192	2.47E-06	-0.1287	0	0.000
ENSP00000253055	4.40E-06	-0.1287	205	0.686
ENSP00000359740	3.99E-06	-0.1287	0	0.193
ENSP00000349708	3.62E-06	-0.1287	0	0.238
ENSP00000323183	5.69E-06	-0.1287	0	0.697
ENSP00000354541	4.99E-06	-0.1287	0	0.216
ENSP00000326240	5.80E-06	-0.1287	0	0.695
ENSP00000364110	6.04E-06	-0.1288	0	0.171
ENSP00000380157	1.86E-05	-0.1288	198	0.222
ENSP00000366032	8.88E-06	-0.1288	0	0.653
ENSP00000393316	8.97E-06	-0.1288	165	0.139
ENSP00000238738	7.59E-06	-0.1288	204	0.563
ENSP00000362261	7.98E-06	-0.1288	0	0.158
ENSP00000437635	9.13E-07	-0.1289	0	0.174
ENSP00000364691	1.40E-05	-0.1289	267	0.503



ENSP00000285667	1.07E-05	-0.1289	195	0.797
ENSP00000338573	1.34E-05	-0.1289	264	0.000
ENSP00000385636	7.54E-06	-0.1289	0	0.199
ENSP00000353249	1.64E-05	-0.1289	152	0.082
ENSP00000306124	1.18E-05	-0.1290	906	0.666
ENSP00000373627	4.12E-06	-0.1290	0	0.325
ENSP00000338127	4.83E-06	-0.1290	205	0.677
ENSP00000313504	5.06E-06	-0.1290	0	0.203
ENSP00000384573	1.40E-05	-0.1290	0	0.958
ENSP00000404029	2.96E-05	-0.1291	429	0.807
ENSP00000297565	5.72E-06	-0.1291	0	0.807
ENSP00000349296	7.76E-06	-0.1291	0	0.153
ENSP00000279387	7.58E-06	-0.1291	224	0.694
ENSP00000468991	2.18E-05	-0.1292	213	0.510
ENSP00000353643	1.98E-05	-0.1292	339	0.946
ENSP00000366356	1.03E-05	-0.1292	0	0.000
ENSP00000473047	1.66E-05	-0.1292	472	0.205
ENSP00000217233	6.55E-06	-0.1292	574	0.689
ENSP00000347730	3.30E-06	-0.1292	0	0.693
ENSP00000373572	3.15E-06	-0.1292	0	0.000
ENSP00000386485	7.15E-06	-0.1293	167	0.058
ENSP00000368007	5.26E-06	-0.1293	0	0.150
ENSP00000335544	1.76E-05	-0.1293	179	0.657
ENSP00000430242	7.81E-06	-0.1293	0	0.092
ENSP00000351380	3.42E-06	-0.1293	0	0.112
ENSP00000342114	2.26E-05	-0.1293	362	0.192
ENSP00000295757	6.41E-06	-0.1294	279	0.000
ENSP00000390600	1.50E-05	-0.1294	171	0.575
ENSP00000350547	7.61E-06	-0.1294	0	0.593
ENSP00000361104	2.51E-06	-0.1294	0	0.189
ENSP00000356056	8.90E-06	-0.1294	451	0.253
ENSP00000428864	1.56E-05	-0.1294	304	0.166
ENSP00000354251	1.01E-05	-0.1295	224	0.428
ENSP00000360141	3.14E-05	-0.1295	306	0.849
ENSP00000394390	6.94E-06	-0.1295	195	0.131
ENSP00000376583	7.48E-06	-0.1295	304	0.176
ENSP00000368362	1.60E-05	-0.1295	202	0.131
ENSP00000393845	9.29E-06	-0.1295	272	0.458
ENSP00000418593	4.02E-06	-0.1295	0	0.128
ENSP00000273854	7.20E-06	-0.1295	205	0.670
ENSP00000332723	1.86E-05	-0.1295	0	0.113
ENSP00000455385	6.46E-08	-0.1295	0	0.000
ENSP00000381220	2.55E-06	-0.1296	0	0.097
ENSP00000264674	5.23E-06	-0.1296	0	0.804
ENSP00000406229	2.26E-05	-0.1296	169	0.810
ENSP00000317691	4.88E-06	-0.1296	0	0.427

ENSP00000293190	4.37E-06	-0.1296	0	0.536
ENSP00000343633	4.73E-06	-0.1296	0	0.000
ENSP00000421592	3.17E-05	-0.1296	422	0.737
ENSP00000373730	8.18E-06	-0.1296	158	0.989
ENSP00000363390	1.52E-05	-0.1297	158	0.834
ENSP00000291860	1.69E-05	-0.1297	0	0.254
ENSP00000383682	5.79E-08	-0.1297	0	0.215
ENSP00000453019	1.91E-06	-0.1298	0	0.318
ENSP00000335618	4.89E-06	-0.1298	0	0.000
ENSP00000367197	2.68E-05	-0.1298	195	0.659
ENSP00000449751	9.57E-06	-0.1298	277	0.435
ENSP00000403954	2.23E-05	-0.1298	198	0.270
ENSP00000416293	3.36E-05	-0.1298	211	0.717
ENSP00000331268	1.11E-05	-0.1298	251	0.750
ENSP00000408910	2.41E-05	-0.1298	270	0.228
ENSP00000407546	2.37E-05	-0.1299	258	0.663
ENSP00000324856	2.04E-05	-0.1299	329	0.700
ENSP00000314023	5.23E-06	-0.1299	0	0.148
ENSP00000358590	3.15E-06	-0.1299	0	0.702
ENSP00000348211	5.18E-06	-0.1299	0	0.133
ENSP00000354608	1.53E-05	-0.1299	159	0.092
ENSP00000371643	1.45E-06	-0.1300	0	0.131
ENSP00000312001	5.01E-06	-0.1300	0	0.617
ENSP00000325748	1.57E-05	-0.1300	520	0.651
ENSP00000361310	8.24E-06	-0.1300	323	0.737
ENSP00000389399	7.59E-06	-0.1301	0	0.057
ENSP00000428756	3.73E-06	-0.1301	0	0.501
ENSP00000329141	4.81E-06	-0.1301	0	0.686
ENSP00000439189	4.12E-05	-0.1301	526	0.000
ENSP00000403712	1.20E-05	-0.1301	242	0.741
ENSP00000417291	1.55E-05	-0.1302	0	0.657
ENSP00000446680	5.76E-06	-0.1302	0	0.765
ENSP00000321927	3.84E-06	-0.1302	0	0.213
ENSP00000262150	2.71E-05	-0.1302	0	0.076
ENSP00000362688	1.58E-05	-0.1302	211	0.864
ENSP00000354610	1.86E-05	-0.1302	156	0.450
ENSP00000365462	1.71E-05	-0.1302	260	0.491
ENSP00000370343	1.78E-05	-0.1303	904	0.833
ENSP00000380514	8.47E-06	-0.1303	173	0.000
ENSP00000335632	4.53E-06	-0.1303	0	0.000
ENSP00000345445	1.52E-05	-0.1303	301	0.232
ENSP00000392718	3.99E-05	-0.1303	526	0.000
ENSP00000396774	1.45E-05	-0.1304	196	0.239
ENSP00000356489	2.56E-05	-0.1304	570	0.775
ENSP00000342162	8.38E-06	-0.1304	0	0.147
ENSP00000394734	1.71E-05	-0.1305	254	0.714

ENSP00000383639	2.93E-06	-0.1305	0	0.000
ENSP00000319597	5.14E-06	-0.1305	0	0.497
ENSP00000364260	5.30E-06	-0.1305	0	0.000
ENSP00000315295	2.91E-06	-0.1305	0	0.172
ENSP00000360918	1.89E-05	-0.1305	301	0.357
ENSP00000365145	2.91E-06	-0.1306	0	0.000
ENSP00000322582	1.20E-05	-0.1306	0	0.151
ENSP00000450607	1.38E-05	-0.1306	235	0.705
ENSP00000384109	1.98E-05	-0.1306	203	0.735
ENSP00000419628	7.01E-06	-0.1307	195	0.371
ENSP00000338812	4.19E-06	-0.1307	0	0.132
ENSP00000365776	1.84E-06	-0.1307	0	0.000
ENSP00000405738	1.31E-05	-0.1307	161	0.258
ENSP00000373191	4.96E-06	-0.1307	0	0.126
ENSP00000374359	3.78E-06	-0.1307	0	0.682
ENSP00000413625	6.07E-06	-0.1307	0	0.445
ENSP00000384742	4.75E-06	-0.1307	0	0.000
ENSP00000358997	1.73E-05	-0.1307	205	0.691
ENSP00000467024	4.79E-05	-0.1308	300	0.787
ENSP00000310701	1.30E-05	-0.1308	914	0.000
ENSP00000394936	1.28E-05	-0.1308	150	0.347
ENSP00000264414	8.56E-06	-0.1308	198	0.645
ENSP00000356234	8.23E-06	-0.1308	551	0.000
ENSP00000397453	1.91E-05	-0.1309	178	0.588
ENSP00000448059	8.02E-06	-0.1309	211	0.328
ENSP00000364361	1.08E-05	-0.1309	210	0.000
ENSP00000362744	1.89E-05	-0.1309	219	0.855
ENSP00000389381	5.16E-06	-0.1310	527	0.760
ENSP00000378152	2.12E-05	-0.1310	161	0.309
ENSP00000365272	1.45E-05	-0.1310	308	0.511
ENSP00000421922	1.97E-05	-0.1310	242	0.639
ENSP00000273320	5.18E-06	-0.1310	0	0.743
ENSP00000371170	7.13E-06	-0.1311	0	0.000
ENSP00000426996	2.31E-08	-0.1311	0	0.000
ENSP00000422769	2.31E-08	-0.1311	0	0.212
ENSP00000337386	2.55E-05	-0.1311	223	0.605
ENSP00000372005	1.21E-05	-0.1312	895	0.227
ENSP00000347195	1.08E-05	-0.1312	0	0.153
ENSP00000435926	1.09E-05	-0.1312	177	0.626
ENSP00000376611	5.49E-06	-0.1312	0	0.733
ENSP00000421917	4.46E-06	-0.1312	0	0.139
ENSP00000443339	8.61E-08	-0.1313	0	0.213
ENSP00000005180	1.93E-05	-0.1313	0	0.176
ENSP00000469886	8.89E-07	-0.1313	0	0.164
ENSP00000340995	4.84E-06	-0.1313	0	0.291
ENSP00000462116	3.47E-06	-0.1313	0	0.616

ENSP00000357384	4.88E-06	-0.1313	0	0.070
ENSP00000356723	4.26E-06	-0.1314	0	0.087
ENSP00000381115	1.65E-06	-0.1314	0	0.000
ENSP00000370150	3.51E-06	-0.1314	0	0.469
ENSP00000358894	7.84E-06	-0.1314	189	0.111
ENSP00000330381	8.15E-06	-0.1314	242	0.000
ENSP00000358932	2.58E-06	-0.1315	0	0.169
ENSP00000381270	4.34E-06	-0.1315	0	0.000
ENSP00000293201	7.58E-06	-0.1315	0	0.000
ENSP00000316482	3.29E-05	-0.1315	0	0.069
ENSP00000287239	9.04E-06	-0.1315	320	0.000
ENSP00000420914	8.06E-06	-0.1316	212	0.398
ENSP00000311816	5.19E-06	-0.1316	0	0.817
ENSP00000383520	2.93E-06	-0.1317	0	0.000
ENSP00000359198	1.21E-06	-0.1317	0	0.203
ENSP00000419944	2.89E-06	-0.1317	0	0.106
ENSP00000366006	1.88E-05	-0.1317	847	0.115
ENSP00000403987	2.85E-06	-0.1317	0	0.125
ENSP00000427428	1.25E-06	-0.1317	0	0.161
ENSP00000284245	1.08E-05	-0.1317	0	0.145
ENSP00000226230	9.91E-06	-0.1317	0	0.402
ENSP00000363747	4.53E-06	-0.1317	0	0.697
ENSP00000353586	7.05E-06	-0.1317	0	0.000
ENSP00000331681	4.15E-06	-0.1317	0	0.157
ENSP00000260967	8.21E-06	-0.1318	221	0.000
ENSP00000466433	1.85E-06	-0.1318	0	0.000
ENSP00000235307	1.13E-05	-0.1318	0	0.187
ENSP00000296098	7.64E-06	-0.1319	0	0.184
ENSP00000419952	4.70E-06	-0.1319	0	0.168
ENSP00000354573	2.37E-05	-0.1320	361	0.541
ENSP00000384286	1.26E-06	-0.1320	0	0.138
ENSP00000261556	2.41E-05	-0.1320	0	0.177
ENSP00000296786	2.76E-06	-0.1320	0	0.701
ENSP00000428316	5.77E-06	-0.1320	0	0.279
ENSP00000355077	2.96E-06	-0.1320	0	0.105
ENSP00000462754	1.78E-06	-0.1320	0	0.000
ENSP00000448051	6.34E-06	-0.1320	0	0.233
ENSP00000363040	5.34E-06	-0.1321	0	0.135
ENSP00000395723	3.68E-06	-0.1321	0	0.689
ENSP00000262916	1.74E-05	-0.1322	167	0.278
ENSP00000368887	1.44E-05	-0.1322	156	0.861
ENSP00000379514	1.89E-05	-0.1322	274	0.570
ENSP00000246794	2.24E-05	-0.1322	0	0.185
ENSP00000316628	5.87E-06	-0.1323	0	0.102
ENSP00000363124	1.95E-05	-0.1323	412	0.491
ENSP00000262719	8.63E-06	-0.1323	235	0.698

ENSP00000373047	6.31E-07	-0.1324	0	0.215
ENSP00000440638	3.00E-06	-0.1324	0	0.155
ENSP00000418897	4.67E-06	-0.1324	0	0.690
ENSP00000366908	3.29E-06	-0.1324	0	0.000
ENSP00000364240	2.47E-06	-0.1325	0	0.131
ENSP00000385643	1.05E-06	-0.1326	0	0.000
ENSP00000471905	2.52E-06	-0.1326	0	0.690
ENSP00000305302	1.93E-05	-0.1326	182	0.085
ENSP00000381098	2.05E-05	-0.1327	199	0.609
ENSP00000419153	1.04E-05	-0.1327	171	0.730
ENSP00000467209	3.61E-07	-0.1327	0	0.000
ENSP00000379684	5.80E-06	-0.1327	0	0.684
ENSP00000383892	2.10E-05	-0.1328	361	0.566
ENSP00000298198	8.37E-06	-0.1328	309	0.509
ENSP00000283547	1.55E-05	-0.1328	0	0.168
ENSP00000368244	8.38E-06	-0.1329	150	0.530
ENSP00000371846	3.42E-06	-0.1329	0	0.489
ENSP00000414687	2.10E-06	-0.1329	0	0.000
ENSP00000455068	8.77E-06	-0.1329	0	0.164
ENSP00000322568	1.53E-05	-0.1329	184	0.837
ENSP00000361662	6.26E-06	-0.1329	0	0.086
ENSP00000346892	5.51E-06	-0.1329	0	0.188
ENSP00000361092	1.77E-05	-0.1330	242	0.874
ENSP00000392617	2.05E-05	-0.1330	188	0.923
ENSP00000364298	1.74E-05	-0.1330	316	0.703
ENSP00000356652	7.27E-06	-0.1331	196	0.381
ENSP00000425166	7.34E-06	-0.1331	0	0.122
ENSP00000462730	6.37E-06	-0.1331	390	0.000
ENSP00000369050	2.67E-05	-0.1331	265	0.785
ENSP00000350509	1.68E-05	-0.1332	179	0.123
ENSP00000472703	5.97E-07	-0.1332	0	0.000
ENSP00000361857	3.18E-06	-0.1332	0	0.681
ENSP00000358478	3.48E-06	-0.1332	0	0.737
ENSP00000359698	2.67E-06	-0.1332	0	0.150
ENSP00000386443	2.19E-05	-0.1332	482	0.109
ENSP00000454748	1.08E-05	-0.1332	0	0.469
ENSP00000360163	2.22E-05	-0.1332	268	0.913
ENSP00000339004	6.77E-06	-0.1333	179	0.000
ENSP00000376765	2.44E-05	-0.1333	158	0.808
ENSP00000368880	2.88E-05	-0.1334	349	0.000
ENSP00000420826	7.84E-06	-0.1334	158	0.137
ENSP00000387170	4.13E-06	-0.1335	0	0.438
ENSP00000340799	4.30E-06	-0.1335	0	0.740
ENSP00000330838	3.50E-06	-0.1335	0	0.658
ENSP00000457704	2.25E-06	-0.1335	0	0.000
ENSP00000360268	2.42E-05	-0.1335	575	0.548

ENSP00000441685	1.14E-07	-0.1335	0	0.206
ENSP00000332369	1.89E-05	-0.1335	428	0.432
ENSP00000374467	1.71E-05	-0.1336	318	0.632
ENSP00000348565	1.57E-05	-0.1336	318	0.442
ENSP00000375268	3.47E-06	-0.1336	0	0.186
ENSP00000391200	4.52E-06	-0.1336	0	0.698
ENSP00000366527	2.83E-06	-0.1336	0	0.683
ENSP00000366542	2.87E-06	-0.1337	0	0.674
ENSP00000364864	2.11E-05	-0.1337	270	0.415
ENSP00000381793	1.46E-05	-0.1337	0	0.763
ENSP00000409936	1.57E-05	-0.1337	244	0.000
ENSP00000380444	1.65E-05	-0.1337	244	0.469
ENSP00000245620	3.07E-05	-0.1337	0	0.214
ENSP00000251377	3.07E-05	-0.1337	0	0.216
ENSP00000251390	3.07E-05	-0.1337	0	0.000
ENSP00000366528	5.83E-06	-0.1337	0	0.108
ENSP00000246792	6.86E-06	-0.1337	448	0.606
ENSP00000270221	1.99E-05	-0.1338	179	0.121
ENSP00000379475	1.74E-05	-0.1338	533	0.000
ENSP00000375151	4.94E-07	-0.1338	0	0.200
ENSP00000309597	6.78E-06	-0.1338	205	0.689
ENSP00000340887	3.76E-06	-0.1338	0	0.192
ENSP00000417335	8.61E-06	-0.1339	0	0.675
ENSP00000433352	1.00E-05	-0.1339	271	0.598
ENSP00000430237	8.85E-06	-0.1339	265	0.302
ENSP00000380024	2.33E-05	-0.1339	203	0.908
ENSP00000438346	7.52E-06	-0.1339	181	0.067
ENSP00000307798	3.95E-06	-0.1339	0	0.129
ENSP00000244576	6.00E-06	-0.1339	0	0.703
ENSP00000409932	2.13E-06	-0.1339	0	0.000
ENSP00000344193	5.11E-06	-0.1340	0	0.121
ENSP00000377801	4.66E-06	-0.1340	0	0.197
ENSP00000442736	4.76E-06	-0.1340	0	0.450
ENSP00000282549	1.24E-05	-0.1340	238	0.865
ENSP00000339527	2.40E-05	-0.1341	358	0.000
ENSP00000329880	2.03E-05	-0.1341	360	0.168
ENSP00000386621	5.95E-06	-0.1341	330	0.662
ENSP00000339250	7.11E-06	-0.1341	0	0.446
ENSP00000278601	1.85E-08	-0.1341	0	0.208
ENSP00000366028	1.34E-05	-0.1343	358	0.000
ENSP00000329995	1.31E-05	-0.1343	0	0.198
ENSP00000377867	7.60E-06	-0.1343	520	0.000
ENSP00000356536	1.18E-05	-0.1343	158	0.117
ENSP00000355799	1.59E-05	-0.1343	280	0.380
ENSP00000234040	4.80E-06	-0.1344	205	0.683
ENSP00000023897	4.83E-06	-0.1344	0	0.395

ENSP00000334681	2.07E-06	-0.1344	0	0.116
ENSP00000455442	1.14E-06	-0.1344	0	0.127
ENSP00000342381	7.82E-06	-0.1344	175	0.702
ENSP00000293805	3.85E-06	-0.1344	0	0.759
ENSP00000345393	6.04E-06	-0.1344	0	0.685
ENSP00000384004	1.13E-05	-0.1345	174	0.634
ENSP00000388953	7.31E-06	-0.1345	0	0.000
ENSP00000324806	3.31E-05	-0.1345	414	0.000
ENSP00000451866	1.00E-06	-0.1346	0	0.105
ENSP00000415070	3.01E-06	-0.1346	0	0.000
ENSP00000401445	2.98E-05	-0.1346	999	0.689
ENSP00000418191	2.21E-05	-0.1346	520	0.647
ENSP00000354671	4.19E-06	-0.1346	0	0.551
ENSP00000372035	3.15E-05	-0.1346	490	0.685
ENSP00000354621	2.43E-05	-0.1347	241	0.833
ENSP00000357564	1.92E-05	-0.1347	177	0.253
ENSP00000361892	8.03E-06	-0.1347	520	0.648
ENSP00000424198	1.20E-05	-0.1348	293	0.199
ENSP00000265191	1.18E-05	-0.1348	315	0.586
ENSP00000310189	6.12E-06	-0.1348	171	0.659
ENSP00000359478	1.06E-05	-0.1348	216	0.469
ENSP00000319796	6.29E-06	-0.1348	0	0.132
ENSP00000392495	4.43E-06	-0.1349	0	0.108
ENSP00000361454	2.01E-05	-0.1349	359	0.000
ENSP00000351206	1.35E-05	-0.1349	235	0.106
ENSP00000372290	4.79E-06	-0.1349	0	0.095
ENSP00000344242	6.97E-06	-0.1349	0	0.631
ENSP00000377492	2.01E-05	-0.1349	215	0.590
ENSP00000315299	4.68E-06	-0.1349	153	0.652
ENSP00000302400	1.50E-05	-0.1350	0	0.112
ENSP00000434258	3.45E-06	-0.1350	0	0.000
ENSP00000310878	3.88E-06	-0.1350	0	0.000
ENSP00000338774	4.91E-06	-0.1351	0	0.797
ENSP00000449999	1.18E-05	-0.1352	159	0.127
ENSP00000345530	1.32E-05	-0.1352	379	0.755
ENSP00000367841	7.10E-06	-0.1352	198	0.064
ENSP00000366434	9.46E-06	-0.1352	177	0.721
ENSP00000425840	5.09E-06	-0.1353	0	0.376
ENSP00000443539	3.57E-07	-0.1353	0	0.000
ENSP00000322802	8.94E-06	-0.1353	159	0.000
ENSP00000348762	2.32E-05	-0.1353	325	0.393
ENSP00000409964	1.25E-06	-0.1353	0	0.000
ENSP00000404375	3.33E-06	-0.1353	0	0.801
ENSP00000420211	2.61E-06	-0.1353	0	0.142
ENSP00000466950	2.12E-06	-0.1353	0	0.000
ENSP00000354270	7.86E-06	-0.1353	0	0.096

ENSP00000376921	5.66E-06	-0.1354	0	0.356
ENSP00000392028	2.87E-05	-0.1354	210	0.901
ENSP00000339179	1.24E-05	-0.1354	205	0.000
ENSP00000465213	5.18E-06	-0.1355	0	0.481
ENSP00000265304	1.58E-05	-0.1355	153	0.718
ENSP00000424261	5.73E-06	-0.1356	0	0.171
ENSP00000451235	2.38E-05	-0.1356	191	0.000
ENSP00000472951	2.26E-08	-0.1356	0	0.000
ENSP00000350386	1.54E-05	-0.1357	270	0.286
ENSP00000371983	2.69E-06	-0.1357	0	0.452
ENSP00000392411	6.52E-06	-0.1357	0	0.064
ENSP00000430548	4.23E-06	-0.1357	0	0.148
ENSP00000338369	1.79E-05	-0.1357	222	0.279
ENSP00000357775	1.02E-05	-0.1358	260	0.290
ENSP00000348827	1.97E-05	-0.1358	238	0.803
ENSP00000452581	2.93E-07	-0.1358	0	0.000
ENSP00000370125	4.04E-06	-0.1358	0	0.662
ENSP00000337825	3.04E-05	-0.1359	854	0.698
ENSP00000432279	3.57E-06	-0.1359	0	0.065
ENSP00000324464	7.28E-06	-0.1359	182	0.703
ENSP00000259808	5.34E-06	-0.1359	300	0.691
ENSP00000364632	1.73E-06	-0.1359	0	0.188
ENSP00000362608	1.87E-05	-0.1359	259	0.689
ENSP00000373640	4.15E-06	-0.1360	0	0.000
ENSP00000305260	6.36E-06	-0.1360	397	0.660
ENSP00000429084	1.33E-05	-0.1360	197	0.676
ENSP00000308479	1.15E-05	-0.1360	0	0.141
ENSP00000265334	1.92E-05	-0.1360	0	0.199
ENSP00000364595	1.36E-05	-0.1361	632	0.194
ENSP00000383578	1.62E-06	-0.1361	0	0.000
ENSP00000356379	3.71E-06	-0.1361	0	0.298
ENSP00000397759	5.19E-06	-0.1362	0	0.164
ENSP00000405289	2.78E-06	-0.1362	0	0.710
ENSP00000373073	3.95E-06	-0.1362	0	0.102
ENSP00000356530	1.83E-05	-0.1362	586	0.699
ENSP00000410396	1.50E-05	-0.1363	215	0.815
ENSP00000229002	4.04E-06	-0.1363	466	0.591
ENSP00000393453	1.81E-05	-0.1363	244	0.917
ENSP00000427690	1.29E-05	-0.1364	198	0.195
ENSP00000355026	4.35E-06	-0.1364	0	0.597
ENSP00000379387	3.74E-06	-0.1364	0	0.679
ENSP00000454445	2.04E-05	-0.1364	178	0.000
ENSP00000415183	2.67E-05	-0.1364	846	0.000
ENSP00000354497	4.00E-06	-0.1365	0	0.283
ENSP00000328054	2.24E-06	-0.1365	0	0.138
ENSP00000359777	7.53E-06	-0.1365	0	0.000



ENSP00000287878	7.52E-06	-0.1365	259	0.678
ENSP00000367959	1.73E-05	-0.1366	296	0.718
ENSP00000360762	2.38E-05	-0.1366	239	0.809
ENSP00000337044	2.06E-05	-0.1366	0	0.105
ENSP00000377954	2.24E-05	-0.1367	441	0.723
ENSP00000441929	1.64E-05	-0.1367	196	0.248
ENSP00000394415	5.91E-06	-0.1367	330	0.000
ENSP00000370227	3.87E-06	-0.1367	0	0.000
ENSP00000397582	2.09E-05	-0.1367	180	0.576
ENSP00000356972	3.87E-06	-0.1367	0	0.393
ENSP00000355739	4.05E-06	-0.1368	0	0.099
ENSP00000261890	1.09E-05	-0.1368	771	0.526
ENSP00000375093	2.18E-06	-0.1368	0	0.227
ENSP00000394842	3.65E-06	-0.1368	0	0.081
ENSP00000401946	5.11E-06	-0.1368	0	0.482
ENSP00000403683	4.74E-06	-0.1369	0	0.104
ENSP00000381542	3.69E-06	-0.1369	0	0.117
ENSP00000384197	2.72E-05	-0.1369	200	0.546
ENSP00000382987	3.16E-06	-0.1369	0	0.686
ENSP00000387471	2.93E-06	-0.1369	0	0.248
ENSP00000310661	6.43E-06	-0.1369	511	0.656
ENSP00000367391	1.61E-05	-0.1370	247	0.202
ENSP00000306390	1.84E-05	-0.1370	230	0.132
ENSP00000358884	2.59E-06	-0.1370	0	0.166
ENSP00000457539	6.28E-06	-0.1370	323	0.126
ENSP00000353793	3.49E-06	-0.1371	0	0.675
ENSP00000412130	1.78E-05	-0.1371	159	0.272
ENSP00000360240	3.83E-06	-0.1371	0	0.155
ENSP00000397073	1.45E-05	-0.1371	207	0.269
ENSP00000365735	1.64E-05	-0.1372	417	0.821
ENSP00000380635	2.13E-05	-0.1372	286	0.440
ENSP00000308279	1.45E-05	-0.1372	0	0.186
ENSP00000363980	5.62E-06	-0.1372	0	0.237
ENSP00000382957	3.15E-06	-0.1373	0	0.688
ENSP00000379702	2.95E-06	-0.1373	0	0.682
ENSP00000353422	4.64E-06	-0.1373	0	0.182
ENSP00000456010	9.51E-07	-0.1373	0	0.000
ENSP00000368264	3.42E-06	-0.1373	0	0.229
ENSP00000331127	6.49E-06	-0.1374	0	0.612
ENSP00000417038	4.24E-06	-0.1374	0	0.103
ENSP00000360843	4.00E-06	-0.1374	0	0.470
ENSP00000375639	7.74E-06	-0.1374	0	0.382
ENSP00000363412	5.28E-06	-0.1375	776	0.273
ENSP00000346251	7.98E-06	-0.1375	0	0.109
ENSP00000379183	2.25E-06	-0.1375	0	0.095
ENSP00000382951	1.28E-06	-0.1376	0	0.000

ENSP00000430432	3.64E-05	-0.1376	462	0.000
ENSP00000394178	3.41E-06	-0.1376	0	0.100
ENSP00000402915	2.29E-07	-0.1376	0	0.172
ENSP00000320209	8.48E-06	-0.1376	0	0.336
ENSP00000348965	1.11E-05	-0.1376	179	0.300
ENSP00000350249	2.27E-05	-0.1377	311	0.520
ENSP00000364728	2.94E-06	-0.1377	0	0.000
ENSP00000335084	1.17E-05	-0.1377	415	0.616
ENSP00000414208	1.71E-06	-0.1377	0	0.000
ENSP00000299415	5.77E-06	-0.1377	0	0.000
ENSP00000222256	9.40E-06	-0.1378	271	0.233
ENSP00000377218	1.40E-05	-0.1378	923	0.814
ENSP00000341787	1.05E-05	-0.1378	0	0.120
ENSP00000388457	2.06E-06	-0.1378	0	0.000
ENSP00000397415	9.09E-06	-0.1378	191	0.210
ENSP00000337691	1.57E-05	-0.1379	344	0.671
ENSP00000298375	2.47E-05	-0.1379	243	0.160
ENSP00000416445	5.13E-06	-0.1379	0	0.000
ENSP00000358301	2.50E-05	-0.1379	345	0.582
ENSP00000434939	9.87E-06	-0.1379	158	0.000
ENSP00000380603	4.00E-06	-0.1379	0	0.117
ENSP00000299759	1.32E-05	-0.1380	466	0.616
ENSP00000358314	1.48E-05	-0.1380	166	0.000
ENSP00000410466	2.49E-06	-0.1380	0	0.698
ENSP00000368761	3.28E-06	-0.1380	0	0.667
ENSP00000367817	1.60E-05	-0.1381	152	0.400
ENSP00000377384	6.80E-06	-0.1382	0	0.000
ENSP00000360938	1.29E-05	-0.1382	237	0.468
ENSP00000404403	1.31E-05	-0.1382	198	0.710
ENSP00000429824	1.27E-05	-0.1382	206	0.371
ENSP00000466051	2.37E-06	-0.1382	0	0.693
ENSP00000422168	4.87E-06	-0.1382	0	0.332
ENSP00000398798	3.15E-06	-0.1382	0	0.680
ENSP00000360985	2.12E-05	-0.1383	191	0.238
ENSP00000417496	1.44E-06	-0.1383	0	0.166
ENSP00000380037	3.53E-06	-0.1383	0	0.164
ENSP00000376823	1.46E-05	-0.1383	158	0.250
ENSP00000366058	1.35E-06	-0.1384	0	0.132
ENSP00000467018	2.87E-06	-0.1384	0	0.692
ENSP00000379228	2.10E-05	-0.1384	197	0.494
ENSP00000343242	7.79E-06	-0.1385	0	0.000
ENSP00000266674	8.33E-06	-0.1385	197	0.690
ENSP00000411099	3.74E-06	-0.1385	0	0.458
ENSP00000375683	1.96E-05	-0.1385	504	0.216
ENSP00000330188	9.06E-06	-0.1385	0	0.232
ENSP00000241463	4.53E-06	-0.1385	448	0.595

ENSP00000386166	1.19E-06	-0.1385	0	0.152
ENSP00000362763	4.71E-06	-0.1385	0	0.718
ENSP00000375057	2.27E-05	-0.1386	274	0.495
ENSP00000345229	1.85E-05	-0.1386	260	0.219
ENSP00000356840	1.33E-05	-0.1386	163	0.840
ENSP00000420465	5.42E-06	-0.1386	0	0.113
ENSP00000259845	3.32E-05	-0.1387	0	0.178
ENSP00000304553	1.08E-05	-0.1387	0	0.083
ENSP00000472005	5.57E-07	-0.1387	0	0.000
ENSP00000354888	1.63E-05	-0.1387	0	0.141
ENSP00000425133	3.42E-06	-0.1387	0	0.768
ENSP00000331614	1.23E-05	-0.1387	163	0.833
ENSP00000341083	4.67E-06	-0.1388	0	0.667
ENSP00000458075	1.82E-05	-0.1388	165	0.000
ENSP00000432688	6.25E-06	-0.1388	0	0.122
ENSP00000274897	8.47E-06	-0.1388	0	0.188
ENSP00000349568	4.25E-06	-0.1388	0	0.000
ENSP00000323867	8.39E-06	-0.1389	256	0.682
ENSP00000423333	3.67E-06	-0.1389	0	0.885
ENSP00000387462	4.57E-06	-0.1389	0	0.708
ENSP00000417498	2.18E-05	-0.1389	240	0.360
ENSP00000355241	2.28E-06	-0.1389	0	0.159
ENSP00000389175	1.37E-05	-0.1389	159	0.161
ENSP00000365441	1.05E-05	-0.1389	407	0.385
ENSP00000358262	1.92E-05	-0.1390	277	0.929
ENSP00000366534	5.14E-06	-0.1390	0	0.000
ENSP00000332592	3.06E-06	-0.1391	0	0.075
ENSP00000262506	5.35E-06	-0.1391	156	0.000
ENSP00000462337	4.05E-06	-0.1392	0	0.744
ENSP00000358224	9.12E-06	-0.1392	311	0.000
ENSP00000367356	5.79E-06	-0.1392	0	0.102
ENSP00000363480	1.32E-05	-0.1392	302	0.542
ENSP00000281382	7.06E-06	-0.1392	0	0.164
ENSP00000444747	3.76E-06	-0.1392	0	0.690
ENSP00000355265	2.12E-06	-0.1393	0	0.080
ENSP00000406164	2.35E-06	-0.1393	0	0.217
ENSP00000365637	4.89E-06	-0.1394	0	0.091
ENSP00000378624	2.19E-05	-0.1394	158	0.610
ENSP00000266712	5.79E-06	-0.1394	316	0.701
ENSP00000329584	7.46E-06	-0.1394	0	0.133
ENSP00000245304	5.46E-06	-0.1394	452	0.608
ENSP00000376293	4.50E-06	-0.1395	0	0.093
ENSP00000358896	1.88E-05	-0.1395	213	0.107
ENSP00000351497	1.52E-05	-0.1395	165	0.674
ENSP00000293405	7.62E-06	-0.1395	0	0.102
ENSP00000261211	7.70E-06	-0.1395	221	0.000

ENSP00000362047	3.14E-06	-0.1395	0	0.119
ENSP00000354910	5.16E-06	-0.1395	0	0.656
ENSP00000267205	9.41E-06	-0.1396	204	0.563
ENSP00000381214	5.63E-06	-0.1396	0	0.721
ENSP00000316030	2.17E-05	-0.1396	227	0.000
ENSP00000343204	2.51E-05	-0.1396	589	0.677
ENSP00000238609	8.87E-06	-0.1396	0	0.146
ENSP00000324767	9.98E-07	-0.1397	0	0.000
ENSP00000302716	1.82E-05	-0.1397	252	0.254
ENSP00000352527	3.08E-06	-0.1397	0	0.165
ENSP00000249284	3.55E-05	-0.1397	290	0.480
ENSP00000380318	1.57E-05	-0.1397	212	0.000
ENSP00000404121	1.51E-05	-0.1398	532	0.853
ENSP00000454407	1.54E-06	-0.1398	0	0.099
ENSP00000451145	1.29E-05	-0.1398	163	0.000
ENSP00000364801	1.17E-05	-0.1399	195	0.832
ENSP00000242728	6.35E-06	-0.1399	0	0.793
ENSP00000357116	5.85E-06	-0.1399	0	0.172
ENSP00000367075	3.67E-06	-0.1399	0	0.116
ENSP00000370503	1.03E-05	-0.1399	226	0.700
ENSP00000336701	1.10E-05	-0.1400	340	0.774
ENSP00000337014	2.67E-05	-0.1400	181	0.154
ENSP00000398502	6.01E-06	-0.1400	304	0.000
ENSP00000301407	2.04E-05	-0.1400	325	0.000
ENSP00000423673	1.11E-05	-0.1401	196	0.331
ENSP00000371341	5.51E-06	-0.1401	0	0.549
ENSP00000459566	2.01E-06	-0.1401	0	0.696
ENSP00000384900	5.96E-06	-0.1401	0	0.154
ENSP00000427820	1.44E-06	-0.1401	0	0.121
ENSP00000417424	3.48E-06	-0.1402	0	0.699
ENSP00000370395	2.00E-05	-0.1402	441	0.521
ENSP00000311579	7.95E-06	-0.1402	202	0.696
ENSP00000371067	3.66E-05	-0.1402	497	0.000
ENSP00000421981	3.46E-06	-0.1403	0	0.085
ENSP00000356243	1.77E-05	-0.1403	178	0.666
ENSP00000472121	4.66E-07	-0.1403	0	0.000
ENSP00000392896	4.85E-06	-0.1403	186	0.212
ENSP00000293441	5.16E-06	-0.1403	211	0.677
ENSP00000354688	2.48E-06	-0.1403	0	0.119
ENSP00000282908	6.63E-06	-0.1404	277	0.000
ENSP00000363773	2.11E-05	-0.1404	613	0.568
ENSP00000409378	2.37E-05	-0.1404	163	0.576
ENSP00000325018	4.15E-06	-0.1405	0	0.721
ENSP00000317895	4.40E-06	-0.1405	0	0.117
ENSP00000334998	1.96E-05	-0.1405	0	0.123
ENSP00000450635	5.83E-06	-0.1405	0	0.000

ENSP00000396732	2.89E-06	-0.1406	0	0.619
ENSP00000348704	1.68E-05	-0.1406	154	0.643
ENSP00000301466	8.13E-06	-0.1406	294	0.367
ENSP00000332995	1.65E-05	-0.1406	244	0.000
ENSP00000291906	5.30E-06	-0.1406	158	0.653
ENSP00000320532	3.61E-06	-0.1406	0	0.157
ENSP00000368964	2.02E-06	-0.1406	0	0.130
ENSP00000458866	1.99E-06	-0.1407	0	0.000
ENSP00000261170	2.66E-06	-0.1407	0	0.664
ENSP00000364371	2.52E-06	-0.1407	0	0.122
ENSP00000360672	1.05E-05	-0.1407	159	0.364
ENSP00000296046	1.73E-05	-0.1408	279	0.159
ENSP00000308351	5.56E-06	-0.1408	205	0.680
ENSP00000392257	4.57E-06	-0.1408	496	0.540
ENSP00000231887	1.04E-05	-0.1409	251	0.441
ENSP00000360621	1.74E-05	-0.1409	342	0.851
ENSP00000357922	2.07E-05	-0.1409	203	0.269
ENSP00000365624	3.54E-06	-0.1409	0	0.000
ENSP00000419740	2.09E-05	-0.1410	184	0.859
ENSP00000384703	5.02E-06	-0.1410	201	0.000
ENSP00000362392	1.57E-06	-0.1410	0	0.000
ENSP00000297737	8.20E-06	-0.1410	0	0.128
ENSP00000466829	3.21E-06	-0.1411	0	0.000
ENSP00000360540	2.49E-05	-0.1411	210	0.229
ENSP00000347742	4.06E-06	-0.1411	0	0.131
ENSP00000264316	7.41E-06	-0.1411	205	0.682
ENSP00000302790	3.74E-06	-0.1411	0	0.699
ENSP00000396593	3.34E-06	-0.1411	0	0.111
ENSP00000334985	1.00E-05	-0.1412	0	0.142
ENSP00000383020	3.24E-06	-0.1412	0	0.686
ENSP00000346635	7.71E-06	-0.1412	552	0.000
ENSP00000366511	1.40E-06	-0.1412	0	0.000
ENSP00000265563	6.64E-06	-0.1412	760	0.652
ENSP00000308450	1.11E-05	-0.1412	163	0.700
ENSP00000340546	3.19E-07	-0.1412	0	0.194
ENSP00000440385	1.02E-07	-0.1413	0	0.000
ENSP00000366452	1.06E-05	-0.1413	199	0.152
ENSP00000311390	1.24E-05	-0.1413	0	0.000
ENSP00000308176	1.21E-05	-0.1413	214	0.671
ENSP00000385481	4.66E-06	-0.1414	306	0.496
ENSP00000360475	4.94E-06	-0.1414	0	0.094
ENSP00000402551	3.14E-06	-0.1414	0	0.462
ENSP00000313420	2.29E-05	-0.1415	818	0.772
ENSP00000331965	5.53E-06	-0.1415	0	0.134
ENSP00000438400	2.15E-06	-0.1415	0	0.139
ENSP00000381009	2.82E-06	-0.1416	0	0.098

ENSP00000349893	1.40E-05	-0.1416	271	0.712
ENSP00000380251	6.30E-06	-0.1416	0	0.091
ENSP00000433157	9.13E-06	-0.1416	163	0.148
ENSP00000409463	2.99E-06	-0.1416	0	0.722
ENSP00000384894	1.17E-05	-0.1416	0	0.152
ENSP00000352182	1.14E-05	-0.1416	158	0.091
ENSP00000364985	3.42E-06	-0.1416	0	0.156
ENSP00000312150	7.41E-06	-0.1416	284	0.689
ENSP00000285116	3.39E-06	-0.1416	0	0.300
ENSP00000366005	2.44E-05	-0.1417	927	0.732
ENSP00000364310	2.08E-05	-0.1417	643	0.895
ENSP00000435591	2.60E-05	-0.1417	407	0.000
ENSP00000370109	1.09E-05	-0.1417	347	0.760
ENSP00000451080	1.90E-05	-0.1417	218	0.435
ENSP00000441365	3.28E-06	-0.1417	0	0.147
ENSP00000473233	4.70E-06	-0.1417	0	0.778
ENSP00000390590	9.65E-06	-0.1418	0	0.097
ENSP00000299766	1.23E-05	-0.1418	505	0.732
ENSP00000408631	4.54E-06	-0.1418	0	0.253
ENSP00000286190	2.75E-05	-0.1418	0	0.132
ENSP00000340514	5.77E-06	-0.1418	0	0.667
ENSP00000327583	5.39E-06	-0.1419	185	0.729
ENSP00000386456	1.27E-05	-0.1419	198	0.666
ENSP00000365063	3.07E-06	-0.1420	0	0.072
ENSP00000262429	2.55E-06	-0.1420	0	0.627
ENSP00000370938	2.32E-05	-0.1420	262	0.000
ENSP00000371932	8.89E-06	-0.1420	0	0.483
ENSP00000365694	1.89E-05	-0.1421	199	0.207
ENSP00000348489	4.49E-06	-0.1421	0	0.216
ENSP00000349358	9.43E-06	-0.1421	236	0.142
ENSP00000358948	1.48E-05	-0.1421	210	0.000
ENSP00000382675	1.14E-06	-0.1421	0	0.150
ENSP00000428982	1.71E-05	-0.1421	263	0.765
ENSP00000404304	3.51E-07	-0.1421	0	0.180
ENSP00000391432	1.69E-05	-0.1422	599	0.861
ENSP00000300131	1.01E-05	-0.1422	0	0.764
ENSP00000435210	2.96E-06	-0.1423	0	0.496
ENSP00000469049	1.01E-05	-0.1423	278	0.424
ENSP00000382561	2.12E-06	-0.1423	0	0.156
ENSP00000366984	8.34E-06	-0.1423	0	0.150
ENSP00000391774	5.35E-06	-0.1424	0	0.736
ENSP00000420270	5.77E-06	-0.1424	0	0.665
ENSP00000439918	1.98E-06	-0.1424	0	0.378
ENSP00000384744	1.32E-05	-0.1424	545	0.316
ENSP00000356744	3.59E-06	-0.1425	0	0.103
ENSP00000378138	2.16E-06	-0.1425	0	0.129

ENSP00000333887	1.03E-06	-0.1425	0	0.184
ENSP00000457511	1.33E-07	-0.1425	0	0.149
ENSP00000469468	2.16E-05	-0.1425	179	0.632
ENSP00000335503	1.07E-06	-0.1426	0	0.186
ENSP00000364180	3.81E-06	-0.1426	0	0.088
ENSP00000364089	3.12E-06	-0.1426	0	0.155
ENSP00000256953	4.20E-06	-0.1426	448	0.595
ENSP00000335567	1.02E-06	-0.1426	0	0.184
ENSP00000358407	4.99E-06	-0.1426	0	0.052
ENSP00000395220	2.59E-06	-0.1427	0	0.159
ENSP00000326759	4.25E-06	-0.1427	0	0.679
ENSP00000361558	1.59E-05	-0.1427	209	0.169
ENSP00000381636	3.07E-06	-0.1427	0	0.091
ENSP00000351430	1.75E-05	-0.1428	301	0.180
ENSP00000334364	6.14E-07	-0.1428	0	0.116
ENSP00000361852	1.41E-05	-0.1428	0	0.158
ENSP00000373918	1.33E-05	-0.1428	175	0.703
ENSP00000351732	1.02E-05	-0.1428	0	0.128
ENSP00000398481	4.46E-06	-0.1428	0	0.151
ENSP00000386357	5.65E-06	-0.1429	0	0.608
ENSP00000411397	6.22E-06	-0.1429	0	0.759
ENSP00000472998	2.90E-05	-0.1429	604	0.885
ENSP00000402343	8.33E-06	-0.1430	157	0.689
ENSP00000367668	1.37E-05	-0.1430	377	0.245
ENSP00000361486	3.23E-06	-0.1430	0	0.158
ENSP00000385892	1.33E-05	-0.1430	202	0.484
ENSP00000365588	2.12E-05	-0.1430	333	0.861
ENSP00000359552	7.21E-06	-0.1431	158	0.666
ENSP00000371308	3.34E-06	-0.1431	0	0.168
ENSP00000367439	5.70E-06	-0.1431	172	0.909
ENSP00000366995	2.22E-06	-0.1431	0	0.127
ENSP00000367637	1.19E-05	-0.1431	211	0.164
ENSP00000341549	1.48E-05	-0.1432	179	0.099
ENSP00000391504	2.50E-07	-0.1432	0	0.361
ENSP00000356574	1.69E-05	-0.1432	197	0.136
ENSP00000417330	4.74E-06	-0.1432	0	0.104
ENSP00000411825	1.96E-05	-0.1432	575	0.675
ENSP00000421848	6.87E-06	-0.1432	351	0.093
ENSP00000324920	1.95E-05	-0.1432	173	0.143
ENSP00000374234	6.96E-07	-0.1433	0	0.123
ENSP00000273221	8.45E-06	-0.1433	0	0.201
ENSP00000312735	9.18E-06	-0.1433	405	0.830
ENSP00000353025	1.54E-05	-0.1433	151	0.247
ENSP00000467931	2.94E-06	-0.1433	0	0.713
ENSP00000457601	2.87E-06	-0.1434	0	0.000
ENSP00000364805	1.19E-05	-0.1434	195	0.820

ENSP00000378699	4.26E-05	-0.1434	647	0.000
ENSP00000345853	5.30E-06	-0.1435	0	0.704
ENSP00000454411	3.84E-06	-0.1436	0	0.134
ENSP00000384881	8.63E-06	-0.1436	300	0.570
ENSP00000272852	1.98E-05	-0.1436	199	0.072
ENSP00000339681	7.45E-06	-0.1436	0	0.105
ENSP00000361499	5.84E-06	-0.1436	0	0.499
ENSP00000298048	7.21E-06	-0.1436	205	0.702
ENSP00000368315	2.12E-06	-0.1437	0	0.000
ENSP00000268864	5.54E-06	-0.1437	448	0.000
ENSP00000359000	1.99E-05	-0.1437	267	0.659
ENSP00000354588	1.74E-05	-0.1437	913	0.000
ENSP00000346671	2.90E-05	-0.1437	907	0.701
ENSP00000279249	6.85E-06	-0.1437	0	0.066
ENSP00000417573	3.70E-06	-0.1438	0	0.129
ENSP00000297145	1.35E-05	-0.1438	0	0.206
ENSP00000420939	7.10E-06	-0.1438	164	0.072
ENSP00000364839	3.77E-06	-0.1438	0	0.715
ENSP00000444972	2.46E-05	-0.1438	842	0.866
ENSP00000409514	2.19E-06	-0.1438	0	0.000
ENSP00000456566	1.57E-06	-0.1439	0	0.120
ENSP00000331784	6.47E-06	-0.1439	0	0.000
ENSP00000355013	8.26E-06	-0.1439	316	0.751
ENSP00000378289	2.42E-06	-0.1440	0	0.183
ENSP00000333993	1.96E-06	-0.1440	0	0.152
ENSP00000367229	5.72E-06	-0.1440	0	0.121
ENSP00000388220	1.85E-06	-0.1440	0	0.000
ENSP00000355136	1.19E-05	-0.1440	242	0.552
ENSP00000418960	3.98E-05	-0.1441	349	0.825
ENSP00000359404	3.39E-06	-0.1441	0	0.138
ENSP00000392828	1.28E-05	-0.1441	196	0.269
ENSP00000431371	1.75E-06	-0.1442	0	0.221
ENSP00000442365	3.07E-06	-0.1442	0	0.080
ENSP00000359239	2.63E-06	-0.1442	0	0.000
ENSP00000290823	6.22E-06	-0.1442	0	0.000
ENSP00000369270	5.19E-06	-0.1443	0	0.736
ENSP00000253362	1.27E-05	-0.1443	0	0.121
ENSP00000370741	3.89E-06	-0.1443	0	0.279
ENSP00000401335	1.23E-06	-0.1443	0	0.148
ENSP00000304643	4.32E-06	-0.1444	153	0.641
ENSP00000364898	2.58E-05	-0.1444	943	0.665
ENSP00000371644	7.63E-07	-0.1444	0	0.203
ENSP00000370460	4.96E-06	-0.1444	244	0.684
ENSP00000330426	9.31E-06	-0.1444	0	0.125
ENSP00000385939	3.50E-06	-0.1445	0	0.684
ENSP00000389427	7.00E-06	-0.1445	0	0.399



ENSP00000261845	8.02E-06	-0.1445	344	0.674
ENSP00000297439	1.09E-05	-0.1445	192	0.495
ENSP00000443189	2.41E-05	-0.1446	274	0.000
ENSP00000464976	2.26E-06	-0.1446	0	0.690
ENSP00000392568	1.28E-06	-0.1447	0	0.161
ENSP00000334061	8.59E-06	-0.1447	322	0.000
ENSP00000382177	2.22E-05	-0.1448	434	0.547
ENSP00000328813	2.42E-05	-0.1448	188	0.127
ENSP00000405620	1.64E-05	-0.1448	176	0.909
ENSP00000360120	8.96E-06	-0.1449	205	0.676
ENSP00000295878	8.06E-06	-0.1449	0	0.000
ENSP00000413937	1.70E-05	-0.1449	160	0.223
ENSP00000391594	4.87E-06	-0.1449	0	0.167
ENSP00000355541	1.39E-05	-0.1450	221	0.893
ENSP00000393571	5.03E-06	-0.1451	0	0.000
ENSP00000375086	1.90E-05	-0.1451	296	0.569
ENSP00000266088	1.73E-05	-0.1451	284	0.242
ENSP00000356560	1.16E-05	-0.1452	0	0.137
ENSP00000264748	5.10E-06	-0.1452	205	0.679
ENSP00000445829	3.25E-06	-0.1452	0	0.000
ENSP00000412566	1.77E-05	-0.1452	427	0.911
ENSP00000450085	3.45E-06	-0.1453	0	0.152
ENSP00000331692	4.39E-06	-0.1453	0	0.000
ENSP00000357229	9.75E-06	-0.1453	200	0.000
ENSP00000390407	6.12E-06	-0.1453	0	0.072
ENSP00000281708	1.04E-05	-0.1453	224	0.810
ENSP00000364403	7.44E-06	-0.1453	644	0.287
ENSP00000346027	1.67E-05	-0.1454	239	0.799
ENSP00000384496	1.86E-05	-0.1455	282	0.000
ENSP00000380505	2.16E-05	-0.1455	913	0.616
ENSP00000363596	1.64E-05	-0.1455	260	0.609
ENSP00000368801	2.30E-06	-0.1456	0	0.722
ENSP00000258200	3.68E-06	-0.1456	0	0.288
ENSP00000333873	4.77E-06	-0.1456	195	0.000
ENSP00000272317	8.65E-06	-0.1456	269	0.857
ENSP00000472802	4.86E-06	-0.1457	0	0.682
ENSP00000398516	5.11E-06	-0.1457	0	0.781
ENSP00000420727	2.21E-06	-0.1457	0	0.686
ENSP00000387019	7.53E-06	-0.1457	198	0.220
ENSP00000429200	5.87E-06	-0.1458	0	0.110
ENSP00000312767	8.74E-06	-0.1458	0	0.000
ENSP00000429803	3.35E-06	-0.1458	0	0.713
ENSP00000383933	2.47E-06	-0.1458	0	0.103
ENSP00000443168	2.18E-05	-0.1458	266	0.510
ENSP00000315017	5.71E-06	-0.1458	373	0.000
ENSP00000376317	1.44E-05	-0.1459	181	0.509

ENSP00000457748	1.56E-06	-0.1459	0	0.173
ENSP00000267396	5.31E-06	-0.1459	448	0.600
ENSP00000368102	7.27E-06	-0.1459	0	0.114
ENSP00000420418	4.30E-06	-0.1459	0	0.702
ENSP00000385276	1.85E-05	-0.1459	188	0.134
ENSP00000386921	3.20E-06	-0.1459	0	0.215
ENSP00000363411	3.96E-06	-0.1460	0	0.357
ENSP00000405676	2.77E-06	-0.1460	0	0.000
ENSP00000360190	1.88E-06	-0.1460	0	0.121
ENSP00000369335	8.19E-06	-0.1461	315	0.649
ENSP00000403925	4.49E-06	-0.1461	0	0.113
ENSP00000371825	3.06E-06	-0.1461	0	0.134
ENSP00000425864	7.61E-07	-0.1462	0	0.000
ENSP00000354499	3.24E-05	-0.1462	242	0.698
ENSP00000400168	2.57E-06	-0.1462	0	0.251
ENSP00000400223	1.11E-05	-0.1462	169	0.416
ENSP00000252037	8.23E-06	-0.1462	271	0.583
ENSP00000418719	3.35E-06	-0.1462	0	0.693
ENSP00000467123	3.66E-06	-0.1462	0	0.132
ENSP00000409370	3.66E-06	-0.1462	0	0.129
ENSP00000459753	9.14E-07	-0.1462	0	0.000
ENSP00000405573	2.11E-05	-0.1462	505	0.626
ENSP00000388169	6.29E-06	-0.1462	0	0.374
ENSP00000405812	4.75E-06	-0.1463	0	0.146
ENSP00000354829	1.45E-05	-0.1463	725	0.213
ENSP00000338988	2.20E-06	-0.1464	0	0.000
ENSP00000398131	1.57E-05	-0.1464	440	0.867
ENSP00000375076	7.70E-07	-0.1464	0	0.204
ENSP00000359525	1.88E-05	-0.1464	178	0.000
ENSP00000442521	2.43E-06	-0.1464	0	0.148
ENSP00000367494	1.51E-05	-0.1464	0	0.096
ENSP00000355572	2.89E-06	-0.1464	0	0.229
ENSP00000351767	1.77E-05	-0.1464	169	0.268
ENSP00000343493	4.18E-06	-0.1464	0	0.164
ENSP00000311760	8.31E-06	-0.1464	0	0.181
ENSP00000228928	6.10E-06	-0.1465	900	0.655
ENSP00000456635	6.95E-07	-0.1465	0	0.000
ENSP00000462054	2.35E-06	-0.1465	0	0.698
ENSP00000297436	1.97E-05	-0.1465	195	0.341
ENSP00000362743	9.78E-06	-0.1466	0	0.175
ENSP00000354387	9.14E-06	-0.1466	277	0.153
ENSP00000432172	3.97E-06	-0.1466	0	0.143
ENSP00000265174	3.83E-06	-0.1466	0	0.668
ENSP00000292125	8.54E-06	-0.1467	0	0.209
ENSP00000353656	1.39E-05	-0.1467	397	0.000
ENSP00000354982	1.80E-05	-0.1467	181	0.275

ENSP00000428426	3.10E-05	-0.1467	398	0.833
ENSP00000362399	2.27E-05	-0.1467	204	0.265
ENSP00000359085	1.16E-05	-0.1468	150	0.652
ENSP00000354461	4.73E-06	-0.1468	0	0.156
ENSP00000471921	5.01E-06	-0.1468	0	0.000
ENSP00000343463	9.40E-06	-0.1468	230	0.654
ENSP00000360822	1.24E-05	-0.1469	187	0.190
ENSP00000275857	3.84E-06	-0.1469	0	0.206
ENSP00000432614	2.29E-06	-0.1469	0	0.217
ENSP00000376899	1.29E-05	-0.1469	0	0.175
ENSP00000396755	3.89E-06	-0.1469	0	0.612
ENSP00000332404	6.21E-06	-0.1470	0	0.122
ENSP00000306330	1.80E-05	-0.1470	396	0.694
ENSP00000393556	3.94E-06	-0.1470	0	0.000
ENSP00000259089	4.84E-06	-0.1471	205	0.673
ENSP00000420723	2.35E-07	-0.1471	0	0.172
ENSP00000310832	2.28E-05	-0.1471	252	0.262
ENSP00000349154	6.97E-06	-0.1471	0	0.122
ENSP00000296358	2.16E-05	-0.1471	537	0.120
ENSP00000454861	2.50E-06	-0.1471	0	0.000
ENSP00000353785	6.56E-06	-0.1472	191	0.165
ENSP00000363463	7.07E-06	-0.1472	185	0.062
ENSP00000325808	5.90E-06	-0.1472	0	0.102
ENSP00000356224	1.98E-05	-0.1472	345	0.412
ENSP00000399168	2.25E-05	-0.1472	900	0.610
ENSP00000338130	1.25E-05	-0.1473	0	0.636
ENSP00000362508	3.68E-06	-0.1473	0	0.150
ENSP00000345771	1.16E-05	-0.1473	369	0.645
ENSP00000290663	4.19E-06	-0.1473	0	0.654
ENSP00000361998	2.04E-05	-0.1474	0	0.732
ENSP00000357288	4.00E-06	-0.1474	0	0.101
ENSP00000352657	1.33E-05	-0.1474	309	0.000
ENSP00000441459	1.08E-06	-0.1474	0	0.000
ENSP00000374071	1.29E-05	-0.1475	200	0.155
ENSP00000306129	1.75E-05	-0.1475	175	0.641
ENSP00000367911	4.50E-06	-0.1475	0	0.135
ENSP00000358983	2.16E-05	-0.1476	357	0.865
ENSP00000366997	1.48E-05	-0.1476	300	0.748
ENSP00000438468	1.17E-05	-0.1476	197	0.649
ENSP00000264399	4.96E-06	-0.1476	587	0.640
ENSP00000377112	4.00E-06	-0.1476	0	0.092
ENSP00000366618	1.98E-05	-0.1476	848	0.962
ENSP00000405890	9.84E-06	-0.1476	181	0.865
ENSP00000466104	1.46E-06	-0.1476	0	0.000
ENSP00000406490	2.40E-05	-0.1476	353	0.767
ENSP00000362296	7.09E-06	-0.1477	0	0.844

ENSP00000404074	3.07E-06	-0.1477	0	0.688
ENSP00000367189	2.95E-06	-0.1477	0	0.000
ENSP00000364578	4.67E-06	-0.1477	0	0.583
ENSP00000303963	1.85E-05	-0.1478	158	0.081
ENSP00000296468	4.67E-06	-0.1478	0	0.108
ENSP00000301665	1.15E-05	-0.1478	0	0.153
ENSP00000470539	2.63E-06	-0.1478	0	0.092
ENSP00000419782	4.19E-05	-0.1479	450	0.000
ENSP00000404220	7.83E-06	-0.1479	0	0.073
ENSP00000439065	2.39E-05	-0.1480	316	0.000
ENSP00000358095	5.59E-06	-0.1480	0	0.168
ENSP00000334285	7.34E-06	-0.1481	0	0.459
ENSP00000309836	2.94E-06	-0.1481	0	0.135
ENSP00000394071	1.89E-05	-0.1481	202	0.230
ENSP00000410818	1.49E-06	-0.1482	0	0.131
ENSP00000332615	7.35E-06	-0.1482	0	0.136
ENSP00000384725	1.42E-05	-0.1482	167	0.735
ENSP00000415200	7.80E-06	-0.1483	0	0.000
ENSP00000313809	1.79E-05	-0.1483	357	0.402
ENSP00000357796	3.62E-06	-0.1483	0	0.186
ENSP00000410858	1.82E-06	-0.1483	0	0.282
ENSP00000366050	3.64E-06	-0.1483	0	0.141
ENSP00000262187	5.62E-06	-0.1483	457	0.635
ENSP00000345772	9.39E-06	-0.1483	903	0.000
ENSP00000373952	5.13E-06	-0.1484	0	0.698
ENSP00000280098	3.55E-06	-0.1484	0	0.451
ENSP00000349467	1.33E-05	-0.1485	311	0.668
ENSP00000354643	9.87E-06	-0.1485	0	0.060
ENSP00000376914	6.06E-06	-0.1486	222	0.000
ENSP00000404658	1.86E-05	-0.1486	244	0.887
ENSP00000387739	6.64E-06	-0.1486	0	0.114
ENSP00000342105	7.51E-06	-0.1486	446	0.692
ENSP00000257515	8.37E-06	-0.1487	0	0.129
ENSP00000265717	5.94E-06	-0.1487	760	0.657
ENSP00000471898	1.52E-06	-0.1487	0	0.000
ENSP00000364965	4.04E-06	-0.1487	0	0.129
ENSP00000441410	2.70E-05	-0.1488	241	0.813
ENSP00000467286	6.04E-06	-0.1488	161	0.000
ENSP00000365585	1.76E-06	-0.1488	0	0.195
ENSP00000288309	1.52E-05	-0.1488	225	0.000
ENSP00000304642	4.53E-06	-0.1489	0	0.127
ENSP00000293892	4.91E-06	-0.1489	0	0.000
ENSP00000362935	1.68E-05	-0.1489	179	0.255
ENSP00000354340	9.07E-06	-0.1489	266	0.509
ENSP00000380531	2.20E-06	-0.1491	0	0.189
ENSP00000360532	1.99E-05	-0.1491	461	0.813

ENSP00000294016	7.56E-06	-0.1491	0	0.718
ENSP00000367910	4.29E-06	-0.1491	0	0.687
ENSP00000326804	1.40E-05	-0.1491	570	0.702
ENSP00000394487	3.83E-06	-0.1491	0	0.218
ENSP00000443140	1.86E-06	-0.1491	0	0.000
ENSP00000380453	1.17E-05	-0.1491	173	0.088
ENSP00000368544	1.29E-05	-0.1492	195	0.092
ENSP00000346918	3.83E-06	-0.1492	0	0.000
ENSP00000334834	9.12E-07	-0.1492	0	0.185
ENSP00000351259	3.18E-06	-0.1493	0	0.000
ENSP00000357879	1.35E-05	-0.1493	370	0.623
ENSP00000371870	1.77E-05	-0.1493	206	0.978
ENSP00000378260	4.60E-06	-0.1493	0	0.055
ENSP00000370532	3.92E-06	-0.1493	0	0.732
ENSP00000359385	7.44E-06	-0.1494	477	0.316
ENSP00000375899	3.99E-06	-0.1494	0	0.536
ENSP00000363118	7.61E-06	-0.1494	0	0.105
ENSP00000367346	3.82E-06	-0.1494	0	0.344
ENSP00000373485	1.48E-06	-0.1494	0	0.142
ENSP00000451792	4.26E-06	-0.1495	0	0.000
ENSP00000471505	7.88E-06	-0.1495	167	0.000
ENSP00000395549	7.21E-06	-0.1495	0	0.000
ENSP00000471625	2.89E-06	-0.1495	0	0.000
ENSP00000396538	7.18E-06	-0.1495	0	0.000
ENSP00000369579	6.94E-06	-0.1495	201	0.000
ENSP00000334560	6.24E-06	-0.1495	0	0.109
ENSP00000338293	4.03E-06	-0.1496	0	0.086
ENSP00000350928	2.25E-05	-0.1496	252	0.662
ENSP00000398163	1.77E-05	-0.1496	153	0.000
ENSP00000465845	5.40E-06	-0.1496	0	0.000
ENSP00000352976	2.82E-06	-0.1497	0	0.108
ENSP00000301200	4.45E-06	-0.1497	0	0.159
ENSP00000366221	8.04E-06	-0.1497	0	0.211
ENSP00000375622	2.54E-06	-0.1497	0	0.158
ENSP00000393860	7.24E-06	-0.1497	0	0.000
ENSP00000366926	8.07E-06	-0.1498	0	0.138
ENSP00000325775	4.98E-06	-0.1499	0	0.121
ENSP00000362687	1.59E-05	-0.1499	364	0.934
ENSP00000381844	2.74E-06	-0.1499	0	0.106
ENSP00000329926	2.00E-05	-0.1499	300	0.136
ENSP00000312436	6.09E-06	-0.1500	0	0.771
ENSP00000406478	5.03E-07	-0.1500	0	0.214
ENSP00000250495	6.78E-06	-0.1501	422	0.787
ENSP00000284142	1.49E-05	-0.1501	0	0.180
ENSP00000364603	4.38E-06	-0.1501	0	0.144
ENSP00000429726	4.51E-07	-0.1501	0	0.193

ENSP00000361266	2.56E-05	-0.1501	433	0.918
ENSP00000357644	4.15E-06	-0.1501	0	0.381
ENSP00000341031	6.34E-06	-0.1502	0	0.148
ENSP00000330878	1.49E-05	-0.1502	154	0.581
ENSP00000359454	1.70E-05	-0.1502	427	0.856
ENSP00000379098	1.19E-05	-0.1502	175	0.644
ENSP00000354652	1.74E-05	-0.1502	213	0.614
ENSP00000352028	1.84E-05	-0.1503	161	0.227
ENSP00000428878	3.88E-06	-0.1503	0	0.670
ENSP00000317721	5.07E-06	-0.1503	0	0.307
ENSP00000356015	6.73E-06	-0.1503	295	0.427
ENSP00000315136	8.31E-06	-0.1503	0	0.094
ENSP00000390427	5.07E-06	-0.1503	244	0.000
ENSP00000367220	1.86E-05	-0.1504	316	0.682
ENSP00000359334	9.34E-06	-0.1505	252	0.000
ENSP00000375892	2.51E-05	-0.1505	699	0.000
ENSP00000359233	1.04E-05	-0.1505	230	0.253
ENSP00000410395	2.98E-06	-0.1505	0	0.000
ENSP00000364649	1.25E-05	-0.1505	906	0.689
ENSP00000378430	3.41E-06	-0.1505	0	0.000
ENSP00000377430	1.60E-05	-0.1506	220	0.082
ENSP00000344430	3.48E-06	-0.1506	0	0.162
ENSP00000424417	1.95E-05	-0.1506	464	0.808
ENSP00000369127	2.16E-05	-0.1506	949	0.757
ENSP00000457386	1.77E-05	-0.1506	235	0.384
ENSP00000380336	6.66E-06	-0.1506	0	0.560
ENSP00000371398	3.52E-06	-0.1507	0	0.744
ENSP00000255992	1.50E-05	-0.1507	0	0.000
ENSP00000368824	1.33E-05	-0.1507	294	0.271
ENSP00000355173	3.81E-06	-0.1507	0	0.176
ENSP00000354762	3.16E-06	-0.1508	0	0.080
ENSP00000339916	4.47E-06	-0.1508	210	0.675
ENSP00000335677	2.84E-06	-0.1509	0	0.000
ENSP00000372122	3.15E-06	-0.1509	0	0.000
ENSP00000355613	2.06E-05	-0.1509	501	0.290
ENSP00000356515	2.22E-05	-0.1510	420	0.719
ENSP00000383901	1.12E-05	-0.1510	196	0.250
ENSP00000297477	9.82E-06	-0.1510	0	0.166
ENSP00000390783	4.97E-06	-0.1510	202	0.234
ENSP00000334592	5.03E-06	-0.1510	0	0.198
ENSP00000387262	9.17E-06	-0.1510	252	0.498
ENSP00000340667	4.98E-06	-0.1511	0	0.109
ENSP00000386207	1.02E-05	-0.1511	252	0.119
ENSP00000368605	3.34E-06	-0.1511	0	0.098
ENSP00000451605	1.54E-05	-0.1511	361	0.757
ENSP00000377793	5.37E-06	-0.1511	0	0.843

ENSP00000444823	1.96E-05	-0.1511	844	0.000
ENSP00000389770	4.34E-06	-0.1511	0	0.109
ENSP00000326309	4.74E-06	-0.1512	0	0.103
ENSP00000333800	1.25E-05	-0.1512	0	0.262
ENSP00000380982	1.32E-05	-0.1513	200	0.000
ENSP00000414144	2.00E-06	-0.1513	0	0.000
ENSP00000419457	1.11E-05	-0.1514	165	0.778
ENSP00000389014	1.54E-06	-0.1514	0	0.092
ENSP00000373669	3.51E-06	-0.1515	0	0.000
ENSP00000349967	1.32E-05	-0.1515	0	0.360
ENSP00000378505	1.72E-05	-0.1515	272	0.552
ENSP00000370242	4.20E-06	-0.1515	0	0.123
ENSP00000329698	5.53E-06	-0.1516	0	0.113
ENSP00000366170	7.87E-06	-0.1516	0	0.164
ENSP00000348234	6.52E-06	-0.1516	0	0.507
ENSP00000406084	1.37E-05	-0.1516	159	0.425
ENSP00000362674	1.55E-05	-0.1517	459	0.000
ENSP00000365169	1.28E-06	-0.1517	0	0.176
ENSP00000345808	4.81E-06	-0.1517	0	0.176
ENSP00000433457	2.29E-06	-0.1518	0	0.678
ENSP00000262211	5.44E-06	-0.1518	291	0.000
ENSP00000410400	1.90E-06	-0.1519	0	0.155
ENSP00000412999	3.00E-06	-0.1519	0	0.682
ENSP00000334437	6.78E-06	-0.1520	0	0.112
ENSP00000369126	1.29E-05	-0.1520	313	0.000
ENSP00000375069	2.24E-05	-0.1520	169	0.236
ENSP00000260361	3.63E-06	-0.1520	0	0.139
ENSP00000385751	8.08E-06	-0.1521	163	0.851
ENSP00000432487	3.55E-06	-0.1521	0	0.146
ENSP00000431162	2.24E-06	-0.1521	0	0.593
ENSP00000353401	1.52E-05	-0.1522	0	0.832
ENSP00000360696	6.47E-06	-0.1522	0	0.143
ENSP00000351049	1.15E-05	-0.1522	186	0.786
ENSP00000362762	3.29E-06	-0.1523	0	0.000
ENSP00000351575	5.34E-06	-0.1523	0	0.621
ENSP00000382390	3.66E-06	-0.1523	0	0.094
ENSP00000362551	3.96E-06	-0.1523	0	0.673
ENSP00000356621	3.29E-06	-0.1523	0	0.484
ENSP00000462046	2.62E-06	-0.1524	0	0.138
ENSP00000327796	7.75E-06	-0.1524	0	0.175
ENSP00000323587	1.49E-05	-0.1524	241	0.349
ENSP00000235933	5.51E-06	-0.1524	0	0.193
ENSP00000329614	1.58E-05	-0.1525	240	0.128
ENSP00000349723	4.55E-06	-0.1525	0	0.805
ENSP00000265741	7.53E-06	-0.1525	221	0.000
ENSP00000375397	1.53E-06	-0.1525	0	0.135

ENSP00000264037	1.98E-05	-0.1525	211	0.275
ENSP00000331479	5.50E-06	-0.1526	0	0.135
ENSP00000406293	2.01E-05	-0.1526	168	0.876
ENSP00000265431	8.38E-06	-0.1526	374	0.665
ENSP00000319323	5.41E-06	-0.1526	0	0.167
ENSP00000377411	3.01E-06	-0.1527	0	0.116
ENSP00000256196	4.05E-06	-0.1527	451	0.614
ENSP00000454561	1.87E-07	-0.1527	0	0.000
ENSP00000378409	2.29E-06	-0.1527	0	0.120
ENSP00000366387	8.08E-06	-0.1527	153	0.147
ENSP00000312770	1.93E-05	-0.1528	0	0.282
ENSP00000373304	2.59E-06	-0.1528	0	0.118
ENSP00000379030	1.98E-06	-0.1528	0	0.158
ENSP00000362456	2.66E-06	-0.1528	0	0.506
ENSP00000366084	7.94E-06	-0.1528	160	0.400
ENSP00000354720	1.62E-05	-0.1528	185	0.797
ENSP00000419471	1.40E-05	-0.1529	340	0.000
ENSP00000454253	4.12E-06	-0.1529	0	0.134
ENSP00000342709	3.64E-06	-0.1529	0	0.265
ENSP00000355084	8.83E-06	-0.1529	189	0.155
ENSP00000304336	2.01E-05	-0.1530	242	0.501
ENSP00000414906	2.56E-06	-0.1530	0	0.215
ENSP00000352413	5.98E-06	-0.1530	0	0.100
ENSP00000472832	1.86E-07	-0.1530	0	0.000
ENSP00000307132	2.14E-05	-0.1530	301	0.121
ENSP00000405032	6.23E-07	-0.1530	0	0.172
ENSP00000303178	4.57E-06	-0.1531	163	0.000
ENSP00000470526	1.58E-06	-0.1531	0	0.000
ENSP00000343129	1.21E-05	-0.1532	576	0.228
ENSP00000381932	1.01E-05	-0.1532	189	0.692
ENSP00000357927	2.31E-06	-0.1533	0	0.113
ENSP00000364037	5.58E-06	-0.1533	0	0.777
ENSP00000445868	1.05E-05	-0.1533	270	0.404
ENSP00000325638	4.42E-06	-0.1533	0	0.107
ENSP00000386212	1.24E-05	-0.1533	193	0.389
ENSP00000298715	1.61E-05	-0.1533	234	0.000
ENSP00000396954	6.75E-06	-0.1534	345	0.747
ENSP00000379201	1.78E-06	-0.1534	0	0.000
ENSP00000374212	1.95E-05	-0.1535	196	0.945
ENSP00000345491	4.56E-06	-0.1535	0	0.127
ENSP00000415774	2.65E-06	-0.1535	0	0.700
ENSP00000473153	2.44E-06	-0.1535	0	0.168
ENSP00000373347	9.53E-06	-0.1535	153	0.565
ENSP00000364782	3.53E-06	-0.1536	0	0.058
ENSP00000413163	3.58E-06	-0.1536	0	0.132
ENSP00000339168	1.81E-05	-0.1536	0	0.112



ENSP00000467676	5.66E-06	-0.1536	450	0.814
ENSP00000331581	4.36E-06	-0.1536	0	0.120
ENSP00000301411	1.88E-05	-0.1536	163	0.000
ENSP00000373752	2.58E-06	-0.1536	0	0.120
ENSP00000416583	1.59E-05	-0.1537	165	0.342
ENSP00000381565	1.63E-05	-0.1537	171	0.539
ENSP00000365920	1.78E-05	-0.1537	584	0.123
ENSP00000363616	6.75E-06	-0.1537	322	0.146
ENSP00000330098	3.68E-06	-0.1537	0	0.000
ENSP00000403400	3.94E-06	-0.1537	0	0.092
ENSP00000420357	4.99E-06	-0.1537	0	0.618
ENSP00000425809	2.11E-05	-0.1538	319	0.659
ENSP00000286380	5.17E-06	-0.1538	0	0.193
ENSP00000368391	5.90E-06	-0.1538	0	0.126
ENSP00000408792	4.35E-06	-0.1538	0	0.779
ENSP00000370377	6.23E-06	-0.1538	0	0.159
ENSP00000394033	1.81E-05	-0.1538	216	0.345
ENSP00000251566	4.92E-06	-0.1539	0	0.061
ENSP00000362424	1.73E-05	-0.1539	487	0.290
ENSP00000363313	1.57E-05	-0.1539	175	0.905
ENSP00000454697	3.24E-07	-0.1539	0	0.192
ENSP00000362968	3.08E-06	-0.1539	0	0.118
ENSP00000346037	6.51E-06	-0.1539	628	0.769
ENSP00000470257	1.63E-06	-0.1540	0	0.000
ENSP00000372445	4.23E-06	-0.1540	0	0.493
ENSP00000366237	1.25E-05	-0.1540	181	0.523
ENSP00000350358	1.11E-05	-0.1540	0	0.138
ENSP00000464167	2.72E-07	-0.1540	0	0.000
ENSP00000356848	2.94E-06	-0.1540	0	0.448
ENSP00000375608	3.23E-06	-0.1540	0	0.192
ENSP00000365312	1.95E-05	-0.1540	900	0.660
ENSP00000264669	4.83E-06	-0.1540	0	0.167
ENSP00000356958	7.69E-06	-0.1540	241	0.519
ENSP00000430333	2.13E-05	-0.1541	172	0.885
ENSP00000331201	1.21E-05	-0.1542	424	0.674
ENSP00000472465	1.69E-05	-0.1542	328	0.000
ENSP00000343212	4.87E-06	-0.1542	0	0.131
ENSP00000370736	1.10E-05	-0.1543	176	0.075
ENSP00000376522	1.00E-05	-0.1543	0	0.125
ENSP00000345195	6.19E-06	-0.1543	233	0.746
ENSP00000411070	3.84E-07	-0.1543	0	0.212
ENSP00000368253	1.44E-05	-0.1544	163	0.869
ENSP00000358867	1.26E-05	-0.1544	509	0.626
ENSP00000360365	4.28E-06	-0.1544	0	0.377
ENSP00000262903	7.34E-06	-0.1544	327	0.709
ENSP00000354201	1.88E-05	-0.1544	178	0.589

ENSP00000372023	1.60E-05	-0.1545	163	0.803
ENSP00000383216	4.23E-07	-0.1545	0	0.151
ENSP00000348786	1.77E-05	-0.1545	933	0.598
ENSP00000311405	1.05E-05	-0.1545	0	0.644
ENSP00000396620	6.49E-06	-0.1546	910	0.000
ENSP00000402038	1.07E-05	-0.1547	319	0.583
ENSP00000378306	1.87E-05	-0.1547	224	0.657
ENSP00000328487	6.20E-06	-0.1547	0	0.114
ENSP00000342952	1.73E-05	-0.1547	200	0.648
ENSP00000386962	1.96E-06	-0.1548	0	0.124
ENSP00000363242	1.29E-06	-0.1548	0	0.170
ENSP00000363115	2.20E-05	-0.1548	307	0.662
ENSP00000326267	3.87E-06	-0.1548	153	0.652
ENSP00000356549	5.86E-06	-0.1548	0	0.413
ENSP00000419539	1.54E-06	-0.1548	0	0.183
ENSP00000386895	4.37E-06	-0.1549	0	0.118
ENSP00000315635	1.14E-05	-0.1549	0	0.098
ENSP00000347498	3.23E-06	-0.1549	0	0.670
ENSP00000309126	1.96E-05	-0.1549	204	0.830
ENSP00000406970	1.17E-05	-0.1549	157	0.327
ENSP00000439467	1.84E-05	-0.1549	264	0.526
ENSP00000279544	7.41E-06	-0.1550	0	0.000
ENSP00000386139	1.64E-06	-0.1550	0	0.000
ENSP00000323880	6.90E-06	-0.1550	0	0.000
ENSP00000423014	1.67E-06	-0.1550	0	0.131
ENSP00000380270	1.99E-06	-0.1550	0	0.141
ENSP00000393667	3.68E-06	-0.1550	0	0.078
ENSP00000357097	1.35E-05	-0.1551	260	0.425
ENSP00000354376	2.18E-05	-0.1551	313	0.576
ENSP00000340594	4.87E-06	-0.1552	0	0.105
ENSP00000308774	5.35E-06	-0.1552	205	0.674
ENSP00000347942	2.73E-05	-0.1552	342	0.707
ENSP00000334767	4.85E-06	-0.1552	0	0.160
ENSP00000456272	1.85E-05	-0.1552	174	0.099
ENSP00000343290	1.03E-05	-0.1552	0	0.000
ENSP00000360317	7.71E-06	-0.1552	161	0.287
ENSP00000346001	1.66E-05	-0.1552	479	0.858
ENSP00000361740	3.96E-06	-0.1553	0	0.158
ENSP00000321519	1.24E-05	-0.1553	0	0.146
ENSP00000387564	1.34E-05	-0.1553	165	0.477
ENSP00000359630	1.64E-05	-0.1553	195	0.000
ENSP00000363573	2.58E-06	-0.1554	0	0.974
ENSP00000470082	2.33E-06	-0.1554	0	0.250
ENSP00000361993	1.19E-05	-0.1554	0	0.350
ENSP00000426978	1.70E-05	-0.1554	237	0.710
ENSP00000358635	7.81E-06	-0.1554	0	0.804

ENSP00000347161	1.27E-05	-0.1555	570	0.212
ENSP00000376384	5.82E-06	-0.1555	0	0.000
ENSP00000445920	7.72E-06	-0.1555	239	0.204
ENSP00000362170	2.62E-06	-0.1556	0	0.138
ENSP00000370088	5.29E-06	-0.1556	0	0.098
ENSP00000364501	2.58E-06	-0.1557	0	0.138
ENSP00000381237	1.29E-05	-0.1557	369	0.253
ENSP00000375809	7.35E-06	-0.1557	201	0.798
ENSP00000431443	3.72E-06	-0.1557	0	0.070
ENSP00000438042	3.43E-06	-0.1557	0	0.071
ENSP00000378845	1.67E-05	-0.1557	181	0.697
ENSP00000405574	1.17E-05	-0.1557	900	0.799
ENSP00000371711	3.87E-06	-0.1557	0	0.686
ENSP00000379326	2.43E-05	-0.1558	173	0.062
ENSP00000363270	2.98E-06	-0.1558	0	0.098
ENSP00000376849	8.27E-06	-0.1558	0	0.582
ENSP00000414037	1.82E-06	-0.1559	0	0.000
ENSP00000307852	3.82E-06	-0.1559	0	0.000
ENSP00000431376	6.31E-06	-0.1560	201	0.209
ENSP00000334952	4.35E-06	-0.1561	0	0.000
ENSP00000417303	6.26E-06	-0.1561	834	0.747
ENSP00000383456	4.19E-06	-0.1562	0	0.105
ENSP00000314380	1.70E-05	-0.1562	210	0.112
ENSP00000356355	6.39E-06	-0.1562	171	0.322
ENSP00000369702	1.00E-06	-0.1562	0	0.124
ENSP00000379430	4.77E-06	-0.1562	0	0.220
ENSP00000403310	1.77E-05	-0.1563	601	0.962
ENSP00000359899	5.00E-06	-0.1564	0	0.495
ENSP00000314543	2.63E-06	-0.1564	0	0.103
ENSP00000382328	2.21E-06	-0.1564	0	0.103
ENSP00000469270	4.23E-08	-0.1565	0	0.000
ENSP00000387310	5.29E-06	-0.1565	0	0.826
ENSP00000348751	4.63E-06	-0.1565	0	0.207
ENSP00000309515	7.60E-06	-0.1566	0	0.081
ENSP00000370614	5.09E-06	-0.1566	0	0.568
ENSP00000430505	5.42E-06	-0.1566	0	0.398
ENSP00000256362	1.63E-06	-0.1566	0	0.166
ENSP00000371205	2.11E-06	-0.1566	0	0.000
ENSP00000455908	1.36E-06	-0.1566	0	0.000
ENSP00000388566	1.11E-05	-0.1567	195	0.616
ENSP00000367330	2.34E-06	-0.1568	0	0.154
ENSP00000386557	5.62E-07	-0.1568	0	0.180
ENSP00000300784	4.85E-06	-0.1568	0	0.094
ENSP00000368884	1.85E-05	-0.1568	333	0.000
ENSP00000351926	1.41E-05	-0.1568	157	0.249
ENSP00000362649	3.44E-05	-0.1569	602	0.000

ENSP00000378735	8.50E-06	-0.1569	668	0.706
ENSP00000369600	1.36E-05	-0.1569	860	0.254
ENSP00000354511	2.09E-05	-0.1569	509	0.711
ENSP00000353953	4.16E-06	-0.1570	0	0.061
ENSP00000404132	4.28E-06	-0.1570	0	0.000
ENSP00000330612	9.79E-06	-0.1570	0	0.175
ENSP00000348419	3.72E-06	-0.1570	0	0.723
ENSP00000393393	3.25E-06	-0.1571	0	0.804
ENSP00000347733	1.40E-05	-0.1571	206	0.819
ENSP00000216445	2.87E-05	-0.1571	0	0.137
ENSP00000358400	3.69E-06	-0.1572	0	0.781
ENSP00000362578	6.72E-06	-0.1572	163	0.805
ENSP00000347271	3.59E-06	-0.1572	0	0.790
ENSP00000449428	1.87E-05	-0.1572	150	0.328
ENSP00000308575	3.39E-06	-0.1573	0	0.110
ENSP00000355865	2.89E-05	-0.1573	455	0.880
ENSP00000384183	1.21E-06	-0.1573	0	0.146
ENSP00000350673	5.24E-06	-0.1573	0	0.137
ENSP00000400513	2.45E-06	-0.1573	0	0.134
ENSP00000242275	4.80E-06	-0.1574	0	0.101
ENSP00000349679	1.06E-05	-0.1574	163	0.085
ENSP00000362018	3.57E-06	-0.1574	0	0.512
ENSP00000346017	1.55E-05	-0.1574	0	0.447
ENSP00000431265	2.85E-06	-0.1575	0	0.688
ENSP00000362758	3.36E-06	-0.1575	0	0.651
ENSP00000380544	9.22E-06	-0.1576	0	0.089
ENSP00000348337	2.83E-06	-0.1576	0	0.000
ENSP00000335307	2.43E-06	-0.1576	0	0.090
ENSP00000435634	1.71E-06	-0.1576	0	0.152
ENSP00000327197	3.34E-06	-0.1576	0	0.443
ENSP00000282507	4.04E-06	-0.1576	0	0.068
ENSP00000393511	9.38E-06	-0.1577	0	0.134
ENSP00000377971	3.92E-06	-0.1577	0	0.164
ENSP00000364764	2.54E-06	-0.1577	0	0.104
ENSP00000274766	6.01E-06	-0.1577	0	0.221
ENSP00000346697	5.81E-06	-0.1577	0	0.321
ENSP00000376871	1.96E-05	-0.1577	244	0.000
ENSP00000410925	9.92E-06	-0.1578	302	0.187
ENSP00000369257	1.80E-05	-0.1578	301	0.392
ENSP00000379847	8.89E-06	-0.1578	206	0.708
ENSP00000420140	8.38E-07	-0.1578	0	0.176
ENSP00000350856	5.40E-06	-0.1579	0	0.117
ENSP00000371219	2.81E-05	-0.1579	240	0.584
ENSP00000371940	3.64E-06	-0.1579	0	0.000
ENSP00000336861	3.34E-06	-0.1580	0	0.182
ENSP00000405635	3.08E-06	-0.1580	0	0.065

ENSP00000446514	8.25E-08	-0.1580	0	0.205
ENSP00000328444	3.06E-06	-0.1580	0	0.174
ENSP00000340672	4.18E-06	-0.1581	0	0.131
ENSP00000359818	5.35E-06	-0.1581	0	0.561
ENSP00000363559	1.57E-05	-0.1581	167	0.903
ENSP00000379108	1.29E-05	-0.1581	243	0.485
ENSP00000264218	1.85E-05	-0.1581	213	0.560
ENSP00000381577	3.72E-06	-0.1582	0	0.429
ENSP00000380308	8.48E-06	-0.1582	414	0.184
ENSP00000335481	7.53E-06	-0.1583	0	0.156
ENSP00000421655	3.78E-06	-0.1583	0	0.632
ENSP00000384296	1.29E-05	-0.1583	364	0.354
ENSP00000384770	1.70E-06	-0.1584	0	0.186
ENSP00000400500	6.24E-06	-0.1584	163	0.172
ENSP00000310110	1.83E-05	-0.1584	0	0.213
ENSP00000462333	2.17E-06	-0.1584	0	0.090
ENSP00000345412	3.55E-06	-0.1584	0	0.762
ENSP00000415273	1.41E-06	-0.1585	0	0.000
ENSP00000377040	4.69E-06	-0.1585	0	0.224
ENSP00000328983	1.58E-05	-0.1585	974	0.080
ENSP00000420195	1.10E-05	-0.1586	0	0.000
ENSP00000350633	6.37E-06	-0.1586	0	0.516
ENSP00000382834	4.53E-06	-0.1586	0	0.579
ENSP00000367605	1.87E-05	-0.1586	270	0.000
ENSP00000382485	1.35E-05	-0.1586	0	0.086
ENSP00000376417	1.43E-05	-0.1586	0	0.095
ENSP00000452454	1.78E-05	-0.1587	359	0.706
ENSP00000351957	3.98E-06	-0.1587	0	0.268
ENSP00000242109	7.58E-06	-0.1587	0	0.000
ENSP00000301920	1.39E-05	-0.1587	163	0.112
ENSP00000358335	7.80E-06	-0.1588	348	0.693
ENSP00000382476	3.36E-06	-0.1588	0	0.136
ENSP00000300714	2.25E-05	-0.1588	169	0.134
ENSP00000304414	1.41E-05	-0.1588	191	0.535
ENSP00000409952	5.22E-06	-0.1589	0	0.157
ENSP00000329127	1.24E-05	-0.1589	917	0.666
ENSP00000412886	2.49E-06	-0.1589	0	0.188
ENSP00000246100	1.34E-05	-0.1589	0	0.124
ENSP00000399863	7.83E-08	-0.1590	0	0.244
ENSP00000375081	1.78E-05	-0.1590	456	0.000
ENSP00000333685	1.67E-05	-0.1590	691	0.662
ENSP00000442291	1.86E-06	-0.1590	0	0.152
ENSP00000323275	7.33E-06	-0.1591	316	0.701
ENSP00000317170	6.20E-06	-0.1591	0	0.094
ENSP00000394183	3.54E-06	-0.1591	0	0.065
ENSP00000464383	2.27E-05	-0.1592	346	0.000

ENSP00000366829	4.52E-06	-0.1592	0	0.343
ENSP00000361124	4.02E-06	-0.1593	0	0.000
ENSP00000347206	1.62E-05	-0.1593	191	0.091
ENSP00000436376	2.27E-05	-0.1593	281	0.468
ENSP00000341171	1.61E-05	-0.1593	159	0.129
ENSP00000361790	3.57E-06	-0.1593	0	0.658
ENSP00000439444	9.20E-06	-0.1593	272	0.411
ENSP00000377655	3.18E-06	-0.1594	0	0.491
ENSP00000300187	6.84E-06	-0.1594	0	0.113
ENSP00000350876	1.95E-05	-0.1594	293	0.000
ENSP00000362617	1.91E-05	-0.1594	326	0.000
ENSP00000416290	2.43E-06	-0.1594	0	0.124
ENSP00000402962	5.18E-06	-0.1594	0	0.000
ENSP00000370021	2.42E-06	-0.1595	0	0.156
ENSP00000376127	7.08E-06	-0.1595	416	0.000
ENSP00000361982	1.25E-05	-0.1595	355	0.221
ENSP00000363667	6.56E-06	-0.1595	270	0.505
ENSP00000395772	1.35E-05	-0.1595	295	0.000
ENSP00000272519	5.37E-06	-0.1595	448	0.598
ENSP00000416662	4.63E-06	-0.1596	0	0.669
ENSP00000415662	9.42E-07	-0.1596	0	0.158
ENSP00000445508	9.55E-06	-0.1596	167	0.551
ENSP00000335357	3.16E-06	-0.1597	0	0.000
ENSP00000261643	7.90E-06	-0.1597	307	0.323
ENSP00000333018	7.48E-06	-0.1597	316	0.702
ENSP00000349132	9.76E-06	-0.1597	0	0.000
ENSP00000405210	2.43E-06	-0.1597	0	0.175
ENSP00000405700	4.02E-06	-0.1597	0	0.000
ENSP00000360112	2.56E-06	-0.1597	0	0.239
ENSP00000415517	7.21E-07	-0.1597	0	0.118
ENSP00000380869	8.41E-06	-0.1597	204	0.502
ENSP00000402515	1.69E-05	-0.1598	165	0.744
ENSP00000367276	4.88E-06	-0.1598	0	0.258
ENSP00000328939	1.27E-05	-0.1598	316	0.740
ENSP00000356832	1.69E-05	-0.1598	416	0.674
ENSP00000354398	1.28E-05	-0.1598	191	0.413
ENSP00000371546	6.12E-06	-0.1599	0	0.091
ENSP00000384889	7.31E-06	-0.1599	0	0.688
ENSP00000406861	1.21E-05	-0.1599	168	0.456
ENSP00000379008	3.61E-06	-0.1599	0	0.101
ENSP00000360245	7.58E-06	-0.1599	0	0.000
ENSP00000298630	6.97E-06	-0.1599	277	0.000
ENSP00000355264	7.10E-06	-0.1600	0	0.234
ENSP00000355064	2.01E-06	-0.1600	0	0.197
ENSP00000418707	3.58E-06	-0.1600	0	0.135
ENSP00000305355	7.87E-06	-0.1600	168	0.671

ENSP00000397947	1.03E-05	-0.1600	194	0.119
ENSP00000363787	1.14E-05	-0.1601	270	0.759
ENSP00000378201	3.74E-06	-0.1602	0	0.000
ENSP00000406579	4.04E-07	-0.1602	0	0.000
ENSP00000354622	3.54E-06	-0.1602	0	0.186
ENSP00000380855	1.01E-05	-0.1602	216	0.631
ENSP00000454014	2.17E-06	-0.1602	0	0.063
ENSP00000350415	6.61E-06	-0.1602	0	0.136
ENSP00000388741	1.58E-06	-0.1602	0	0.198
ENSP00000232496	4.05E-05	-0.1603	0	0.213
ENSP00000320757	3.81E-06	-0.1604	0	0.146
ENSP00000286355	4.56E-06	-0.1604	0	0.641
ENSP00000352929	8.98E-06	-0.1604	175	0.707
ENSP00000419235	1.37E-06	-0.1605	0	0.000
ENSP00000362344	5.48E-06	-0.1605	175	0.482
ENSP00000450461	1.69E-06	-0.1605	0	0.125
ENSP00000354532	6.25E-06	-0.1605	0	0.181
ENSP00000360860	7.83E-06	-0.1605	320	0.703
ENSP00000307155	6.27E-06	-0.1606	0	0.271
ENSP00000409231	1.92E-06	-0.1606	0	0.104
ENSP00000333900	6.01E-06	-0.1606	0	0.146
ENSP00000432768	7.46E-06	-0.1606	806	0.384
ENSP00000368856	1.70E-05	-0.1606	0	0.761
ENSP00000384863	1.44E-05	-0.1607	593	0.000
ENSP00000418803	5.35E-06	-0.1607	0	0.095
ENSP00000371169	1.83E-05	-0.1607	452	0.874
ENSP00000370421	1.48E-05	-0.1608	335	0.870
ENSP00000289104	5.65E-06	-0.1608	448	0.590
ENSP00000414982	2.58E-05	-0.1608	345	0.741
ENSP00000356247	7.14E-06	-0.1609	319	0.682
ENSP00000274278	3.97E-06	-0.1609	0	0.063
ENSP00000359680	5.14E-06	-0.1609	173	0.381
ENSP00000375091	7.95E-07	-0.1609	0	0.141
ENSP00000395219	3.46E-06	-0.1609	0	0.151
ENSP00000332591	1.86E-05	-0.1610	167	0.598
ENSP00000387547	1.83E-06	-0.1610	0	0.000
ENSP00000317027	1.23E-05	-0.1610	0	0.090
ENSP00000363023	2.08E-06	-0.1610	0	0.072
ENSP00000333956	1.36E-05	-0.1610	643	0.000
ENSP00000406220	5.89E-06	-0.1610	0	0.063
ENSP00000308413	9.38E-06	-0.1611	307	0.000
ENSP00000383421	1.73E-06	-0.1611	0	0.451
ENSP00000433681	2.98E-06	-0.1611	0	0.383
ENSP00000315878	2.04E-05	-0.1611	472	0.000
ENSP00000345502	1.24E-05	-0.1611	511	0.653
ENSP00000364665	2.28E-06	-0.1611	0	0.000

ENSP00000415836	4.68E-06	-0.1612	0	0.690
ENSP00000368305	9.38E-06	-0.1613	245	0.103
ENSP00000363768	1.46E-05	-0.1613	222	0.158
ENSP00000252032	4.40E-06	-0.1613	0	0.247
ENSP00000453089	1.80E-05	-0.1613	242	0.000
ENSP00000358695	1.16E-05	-0.1613	283	0.486
ENSP00000396527	4.92E-06	-0.1614	167	0.000
ENSP00000384040	4.31E-06	-0.1614	0	0.087
ENSP00000413861	3.01E-06	-0.1614	0	0.131
ENSP00000361036	2.62E-06	-0.1614	0	0.172
ENSP00000266031	1.62E-05	-0.1614	0	0.086
ENSP00000355050	1.04E-05	-0.1614	158	0.239
ENSP00000456832	3.68E-06	-0.1614	0	0.256
ENSP00000346762	3.70E-06	-0.1614	0	0.659
ENSP00000327467	1.02E-05	-0.1615	0	0.136
ENSP00000347322	3.33E-06	-0.1615	0	0.164
ENSP00000304697	1.59E-05	-0.1615	477	0.691
ENSP00000464872	2.19E-06	-0.1615	0	0.694
ENSP00000438526	4.17E-06	-0.1615	0	0.118
ENSP00000418744	1.68E-05	-0.1616	482	0.229
ENSP00000307853	3.28E-06	-0.1616	0	0.709
ENSP00000363433	4.89E-06	-0.1616	0	0.345
ENSP00000406145	4.65E-06	-0.1616	0	0.151
ENSP00000364589	1.86E-05	-0.1617	218	0.748
ENSP00000329200	2.63E-06	-0.1617	0	0.244
ENSP00000455258	2.82E-06	-0.1617	0	0.000
ENSP00000355518	1.25E-05	-0.1617	369	0.637
ENSP00000377374	4.66E-06	-0.1617	0	0.114
ENSP00000360379	3.35E-06	-0.1617	0	0.189
ENSP00000351416	1.74E-05	-0.1618	202	0.649
ENSP00000262848	4.15E-06	-0.1618	587	0.647
ENSP00000367248	1.04E-05	-0.1618	179	0.000
ENSP00000373298	2.15E-05	-0.1618	420	0.640
ENSP00000361048	2.30E-06	-0.1618	0	0.138
ENSP00000316590	1.63E-05	-0.1618	201	0.000
ENSP00000356000	1.56E-05	-0.1618	207	0.627
ENSP00000471914	1.52E-05	-0.1619	179	0.000
ENSP00000347778	3.28E-06	-0.1619	0	0.062
ENSP00000421985	1.11E-05	-0.1619	0	0.122
ENSP00000399511	1.61E-05	-0.1619	314	0.452
ENSP00000440485	6.72E-06	-0.1620	340	0.557
ENSP00000347872	1.24E-05	-0.1620	0	0.140
ENSP00000346599	4.59E-06	-0.1620	0	0.632
ENSP00000351325	6.86E-06	-0.1620	0	0.146
ENSP00000430276	1.86E-05	-0.1620	318	0.757
ENSP00000405176	1.66E-05	-0.1620	230	0.871



ENSP00000347244	1.38E-05	-0.1622	172	0.491
ENSP00000334910	6.89E-06	-0.1622	511	0.651
ENSP00000446137	1.62E-09	-0.1622	0	0.000
ENSP00000387380	2.45E-06	-0.1623	0	0.076
ENSP00000433378	1.83E-06	-0.1623	0	0.101
ENSP00000369292	3.54E-06	-0.1624	0	0.158
ENSP00000368245	4.12E-06	-0.1624	0	0.157
ENSP00000370410	1.00E-05	-0.1624	191	0.513
ENSP00000373979	5.00E-06	-0.1624	0	0.068
ENSP00000357073	1.64E-05	-0.1624	222	0.094
ENSP00000358703	4.77E-06	-0.1624	0	0.238
ENSP00000312789	7.01E-06	-0.1625	189	0.685
ENSP00000352833	1.85E-05	-0.1625	0	0.847
ENSP00000362282	5.25E-06	-0.1626	152	0.314
ENSP00000356263	3.46E-06	-0.1626	0	0.000
ENSP00000411145	1.12E-05	-0.1626	259	0.779
ENSP00000386717	4.58E-06	-0.1627	170	0.812
ENSP00000323686	9.13E-06	-0.1627	0	0.000
ENSP00000384792	1.80E-05	-0.1627	191	0.103
ENSP00000390331	3.71E-06	-0.1627	188	0.408
ENSP00000368646	1.96E-05	-0.1628	494	0.628
ENSP00000441000	1.26E-05	-0.1628	490	0.629
ENSP00000436318	5.08E-06	-0.1628	311	0.406
ENSP00000354677	6.40E-06	-0.1628	684	0.238
ENSP00000376307	3.30E-06	-0.1628	0	0.140
ENSP00000337209	2.47E-06	-0.1629	0	0.146
ENSP00000380041	3.46E-06	-0.1629	0	0.000
ENSP00000445905	1.92E-06	-0.1629	0	0.106
ENSP00000425634	1.67E-05	-0.1629	387	0.755
ENSP00000311778	6.06E-06	-0.1629	0	0.746
ENSP00000345917	3.55E-06	-0.1629	0	0.864
ENSP00000375691	3.38E-06	-0.1629	0	0.000
ENSP00000321424	1.68E-05	-0.1629	270	0.226
ENSP00000357697	1.79E-05	-0.1630	150	0.226
ENSP00000346437	7.85E-06	-0.1630	508	0.628
ENSP00000436042	3.23E-06	-0.1630	0	0.078
ENSP00000328111	8.81E-06	-0.1631	0	0.600
ENSP00000438204	2.67E-06	-0.1631	0	0.103
ENSP00000363942	1.92E-05	-0.1631	169	0.187
ENSP00000353717	4.23E-06	-0.1632	0	0.110
ENSP00000343244	4.76E-06	-0.1632	0	0.673
ENSP00000465432	2.43E-06	-0.1632	0	0.137
ENSP00000348145	1.32E-05	-0.1632	0	0.236
ENSP00000368165	3.05E-06	-0.1632	0	0.107
ENSP00000367991	5.84E-06	-0.1632	0	0.300
ENSP00000440045	1.79E-05	-0.1632	417	0.641

ENSP00000319052	3.15E-06	-0.1633	0	0.643
ENSP00000466420	1.60E-05	-0.1633	179	0.000
ENSP00000295622	2.81E-06	-0.1633	0	0.227
ENSP00000383594	1.95E-06	-0.1633	0	0.123
ENSP00000401191	2.20E-05	-0.1633	225	0.685
ENSP00000358719	1.29E-05	-0.1633	284	0.459
ENSP00000348442	8.34E-06	-0.1633	150	0.523
ENSP00000356096	7.93E-06	-0.1634	0	0.133
ENSP00000403067	4.28E-06	-0.1634	0	0.066
ENSP00000396995	8.72E-06	-0.1634	0	0.862
ENSP00000246020	5.53E-05	-0.1634	0	0.239
ENSP00000357838	1.10E-05	-0.1635	197	0.501
ENSP00000361345	3.58E-06	-0.1635	0	0.117
ENSP00000333896	7.24E-06	-0.1635	289	0.000
ENSP00000359042	4.17E-06	-0.1635	0	0.513
ENSP00000449784	4.74E-06	-0.1635	0	0.141
ENSP00000466519	2.97E-06	-0.1636	0	0.000
ENSP00000359240	4.72E-06	-0.1636	0	0.128
ENSP00000357175	1.34E-05	-0.1636	167	0.779
ENSP00000423563	7.55E-06	-0.1636	201	0.964
ENSP00000418693	4.03E-06	-0.1636	0	0.141
ENSP00000448323	1.41E-05	-0.1637	330	0.000
ENSP00000365255	9.17E-06	-0.1637	202	0.646
ENSP00000450909	1.32E-05	-0.1637	0	0.969
ENSP00000371318	2.43E-06	-0.1637	0	0.149
ENSP00000427108	2.76E-06	-0.1638	0	0.322
ENSP00000364363	2.77E-06	-0.1638	0	0.133
ENSP00000354645	5.28E-06	-0.1638	0	0.100
ENSP00000442411	4.03E-07	-0.1638	0	0.000
ENSP00000388648	1.27E-05	-0.1638	830	0.741
ENSP00000361076	1.72E-05	-0.1638	297	0.916
ENSP00000299732	4.86E-06	-0.1639	0	0.140
ENSP00000379712	3.91E-06	-0.1639	0	0.135
ENSP00000419279	2.31E-06	-0.1639	0	0.063
ENSP00000419449	1.75E-05	-0.1639	614	0.790
ENSP00000348054	8.38E-06	-0.1640	297	0.098
ENSP00000365005	5.91E-06	-0.1640	230	0.647
ENSP00000356541	3.95E-06	-0.1640	0	0.841
ENSP00000380675	4.38E-06	-0.1640	0	0.663
ENSP00000351214	3.54E-06	-0.1641	0	0.159
ENSP00000378367	4.33E-06	-0.1641	0	0.327
ENSP00000406541	3.37E-07	-0.1641	0	0.159
ENSP00000409318	4.16E-06	-0.1641	0	0.685
ENSP00000293404	1.65E-05	-0.1642	181	0.427
ENSP00000432353	2.46E-06	-0.1642	0	0.115
ENSP00000332293	5.72E-06	-0.1643	0	0.822

ENSP00000351981	1.03E-05	-0.1643	241	0.102
ENSP00000254627	2.18E-05	-0.1643	292	0.000
ENSP00000354193	4.52E-06	-0.1643	0	0.000
ENSP00000384683	7.62E-07	-0.1644	0	0.137
ENSP00000339826	1.28E-05	-0.1644	0	0.641
ENSP00000460885	4.22E-06	-0.1644	0	0.068
ENSP00000359034	1.70E-06	-0.1644	0	0.142
ENSP00000415436	3.51E-06	-0.1644	0	0.222
ENSP00000316909	5.04E-06	-0.1644	0	0.259
ENSP00000318999	9.28E-06	-0.1645	0	0.106
ENSP00000358417	4.78E-06	-0.1645	0	0.624
ENSP00000346283	4.40E-06	-0.1645	0	0.175
ENSP00000332215	5.49E-06	-0.1645	0	0.218
ENSP00000326031	1.23E-05	-0.1645	194	0.529
ENSP00000451211	3.98E-06	-0.1645	0	0.119
ENSP00000319897	3.49E-06	-0.1645	0	0.099
ENSP00000279168	1.25E-05	-0.1645	0	0.161
ENSP00000358474	8.94E-06	-0.1646	288	0.602
ENSP00000370479	3.15E-06	-0.1646	0	0.176
ENSP00000369739	3.80E-06	-0.1647	0	0.208
ENSP00000399259	2.32E-06	-0.1647	0	0.167
ENSP00000364860	1.65E-05	-0.1647	287	0.820
ENSP00000351789	4.95E-06	-0.1647	0	0.368
ENSP00000265403	4.61E-06	-0.1647	0	0.062
ENSP00000342520	1.84E-05	-0.1647	197	0.419
ENSP00000381488	3.15E-07	-0.1648	0	0.159
ENSP00000422293	2.23E-06	-0.1648	0	0.169
ENSP00000343027	1.16E-05	-0.1648	511	0.623
ENSP00000369131	1.63E-05	-0.1649	285	0.000
ENSP00000418511	1.68E-06	-0.1649	0	0.232
ENSP00000389813	2.00E-05	-0.1649	179	0.133
ENSP00000320303	5.06E-06	-0.1650	0	0.093
ENSP00000362550	8.07E-06	-0.1650	0	0.000
ENSP00000402389	2.84E-06	-0.1650	0	0.675
ENSP00000399903	2.71E-06	-0.1650	0	0.113
ENSP00000359035	1.39E-05	-0.1650	201	0.645
ENSP00000473036	1.72E-05	-0.1651	497	0.531
ENSP00000320247	1.54E-05	-0.1651	193	0.218
ENSP00000331556	6.73E-06	-0.1651	0	0.086
ENSP00000368266	4.86E-06	-0.1651	0	0.254
ENSP00000296343	5.37E-06	-0.1651	0	0.000
ENSP00000404923	7.37E-06	-0.1651	0	0.080
ENSP00000431987	2.44E-06	-0.1651	0	0.264
ENSP00000357086	3.52E-06	-0.1652	0	0.153
ENSP00000398930	1.98E-05	-0.1652	224	0.307
ENSP00000361392	8.52E-06	-0.1652	0	0.126

ENSP00000395281	3.31E-06	-0.1652	0	0.145
ENSP00000387654	1.53E-05	-0.1652	0	0.090
ENSP00000356231	2.78E-06	-0.1653	0	0.219
ENSP00000417003	2.03E-05	-0.1653	167	0.250
ENSP00000307951	1.58E-05	-0.1653	0	0.161
ENSP00000421689	2.67E-05	-0.1653	256	0.000
ENSP00000415564	4.23E-06	-0.1654	0	0.143
ENSP00000354255	1.39E-05	-0.1654	178	0.126
ENSP00000385036	4.59E-06	-0.1655	0	0.112
ENSP00000369134	1.64E-05	-0.1655	262	0.445
ENSP00000355090	3.24E-06	-0.1655	0	0.291
ENSP00000362616	1.93E-05	-0.1655	326	0.000
ENSP00000346155	1.53E-05	-0.1655	578	0.520
ENSP00000377570	3.10E-06	-0.1656	0	0.090
ENSP00000277526	1.65E-05	-0.1656	0	0.126
ENSP00000375810	1.08E-05	-0.1656	316	0.524
ENSP00000391676	1.88E-05	-0.1656	281	0.671
ENSP00000295569	1.20E-05	-0.1657	0	0.136
ENSP00000359529	2.76E-06	-0.1657	0	0.000
ENSP00000371475	1.85E-05	-0.1658	484	0.881
ENSP00000298999	1.40E-05	-0.1658	325	0.148
ENSP00000432931	2.29E-06	-0.1659	0	0.107
ENSP00000367319	2.15E-06	-0.1659	0	0.107
ENSP00000387209	1.87E-06	-0.1659	0	0.131
ENSP00000368758	1.72E-06	-0.1659	0	0.113
ENSP00000258776	4.03E-06	-0.1659	0	0.000
ENSP00000360017	4.32E-06	-0.1659	0	0.740
ENSP00000381476	5.01E-06	-0.1659	0	0.099
ENSP00000432870	2.14E-06	-0.1660	0	0.129
ENSP00000387535	3.25E-06	-0.1660	0	0.152
ENSP00000265068	8.87E-06	-0.1660	0	0.195
ENSP00000469305	1.17E-06	-0.1660	0	0.000
ENSP00000432034	4.85E-06	-0.1660	0	0.000
ENSP00000360497	1.54E-05	-0.1660	230	0.772
ENSP00000469582	3.51E-06	-0.1661	0	0.686
ENSP00000374125	1.57E-06	-0.1661	0	0.172
ENSP00000394484	1.36E-05	-0.1661	508	0.747
ENSP00000264705	8.91E-06	-0.1661	681	0.000
ENSP00000357701	1.22E-05	-0.1662	0	0.162
ENSP00000370222	4.80E-06	-0.1662	0	0.348
ENSP00000414712	4.99E-06	-0.1662	0	0.088
ENSP00000454699	1.70E-05	-0.1662	343	0.000
ENSP00000404432	5.07E-06	-0.1662	0	0.248
ENSP00000368797	2.86E-06	-0.1663	0	0.132
ENSP00000456333	9.24E-07	-0.1663	0	0.158
ENSP00000380888	1.58E-05	-0.1663	216	0.707

ENSP00000395232	1.88E-06	-0.1663	0	0.084
ENSP00000461728	2.64E-06	-0.1663	0	0.000
ENSP00000304004	4.10E-06	-0.1663	0	0.000
ENSP00000355086	1.34E-05	-0.1664	213	0.413
ENSP00000371085	1.70E-06	-0.1664	0	0.150
ENSP00000315662	4.95E-06	-0.1664	0	0.000
ENSP00000309285	8.25E-06	-0.1664	0	0.154
ENSP00000356925	7.86E-06	-0.1664	0	0.129
ENSP00000367869	3.29E-05	-0.1664	928	0.000
ENSP00000416829	2.73E-06	-0.1665	0	0.136
ENSP00000232607	4.43E-06	-0.1665	551	0.000
ENSP00000328017	2.56E-06	-0.1665	0	0.161
ENSP00000375479	3.88E-07	-0.1666	0	0.161
ENSP00000346598	5.39E-06	-0.1666	452	0.000
ENSP00000269582	1.75E-05	-0.1667	216	0.538
ENSP00000406738	1.58E-05	-0.1667	167	0.000
ENSP00000316609	5.02E-06	-0.1667	0	0.100
ENSP00000370258	1.46E-05	-0.1667	429	0.913
ENSP00000340274	7.05E-06	-0.1667	448	0.597
ENSP00000361084	3.88E-06	-0.1668	0	0.464
ENSP00000358854	1.49E-05	-0.1668	150	0.852
ENSP00000359583	1.43E-05	-0.1668	459	0.105
ENSP00000379057	1.15E-06	-0.1668	0	0.000
ENSP00000410157	5.24E-06	-0.1668	0	0.180
ENSP00000317445	8.90E-06	-0.1668	0	0.188
ENSP00000410833	7.47E-06	-0.1668	174	0.359
ENSP00000373860	4.52E-06	-0.1668	0	0.177
ENSP00000413697	1.79E-05	-0.1668	197	0.215
ENSP00000392726	8.54E-07	-0.1668	0	0.125
ENSP00000285273	1.73E-05	-0.1669	268	0.115
ENSP00000410481	2.57E-06	-0.1669	0	0.149
ENSP00000262283	1.83E-05	-0.1669	224	0.092
ENSP00000386306	5.19E-06	-0.1669	0	0.405
ENSP00000381468	1.73E-06	-0.1670	0	0.073
ENSP00000363524	3.23E-06	-0.1670	0	0.306
ENSP00000360437	4.29E-06	-0.1670	0	0.152
ENSP00000415032	4.52E-06	-0.1670	0	0.000
ENSP00000347744	6.73E-06	-0.1670	0	0.000
ENSP00000358953	1.26E-05	-0.1671	0	0.084
ENSP00000364207	4.40E-06	-0.1672	0	0.214
ENSP00000265362	1.64E-05	-0.1672	271	0.785
ENSP00000442159	1.87E-06	-0.1672	0	0.141
ENSP00000349658	1.25E-05	-0.1672	343	0.607
ENSP00000382883	1.98E-06	-0.1673	0	0.258
ENSP00000381005	2.13E-06	-0.1673	0	0.168
ENSP00000331857	6.46E-06	-0.1674	0	0.088

ENSP00000416683	8.54E-06	-0.1674	0	0.729
ENSP00000430620	1.04E-05	-0.1674	178	0.223
ENSP00000263182	6.93E-06	-0.1674	163	0.674
ENSP00000349076	6.02E-06	-0.1674	0	0.785
ENSP00000451382	1.92E-06	-0.1674	0	0.000
ENSP00000367024	4.64E-06	-0.1675	0	0.340
ENSP00000308926	3.74E-06	-0.1675	0	0.107
ENSP00000366582	1.01E-06	-0.1675	0	0.111
ENSP00000417580	1.23E-06	-0.1675	0	0.097
ENSP00000360247	1.12E-05	-0.1675	841	0.260
ENSP00000312673	1.84E-05	-0.1676	191	0.686
ENSP00000381008	6.19E-06	-0.1677	0	0.118
ENSP00000425845	1.20E-05	-0.1678	227	0.824
ENSP00000357025	1.59E-05	-0.1678	158	0.740
ENSP00000358851	5.85E-06	-0.1678	0	0.120
ENSP00000358957	1.50E-05	-0.1678	200	0.000
ENSP00000357904	5.19E-06	-0.1678	0	0.144
ENSP00000254235	2.63E-06	-0.1678	0	0.645
ENSP00000353650	8.76E-06	-0.1678	0	0.290
ENSP00000406327	3.29E-06	-0.1678	0	0.095
ENSP00000395848	8.40E-07	-0.1679	0	0.000
ENSP00000350911	1.31E-05	-0.1679	314	0.228
ENSP00000371393	1.45E-05	-0.1680	467	0.585
ENSP00000355045	3.74E-06	-0.1680	0	0.094
ENSP00000375063	2.41E-06	-0.1680	0	0.154
ENSP00000417128	1.14E-06	-0.1680	0	0.121
ENSP00000355652	2.54E-05	-0.1681	725	0.574
ENSP00000289921	4.46E-06	-0.1681	0	0.101
ENSP00000370607	1.02E-05	-0.1681	181	0.166
ENSP00000409346	2.49E-05	-0.1681	216	0.917
ENSP00000382863	2.05E-05	-0.1682	196	0.922
ENSP00000362330	1.79E-05	-0.1682	196	0.928
ENSP00000433282	1.96E-06	-0.1682	0	0.000
ENSP00000367638	1.80E-06	-0.1682	0	0.272
ENSP00000334197	5.87E-06	-0.1682	0	0.151
ENSP00000360372	7.70E-06	-0.1682	241	0.307
ENSP00000402608	1.21E-05	-0.1682	504	0.716
ENSP00000346810	5.11E-06	-0.1684	0	0.788
ENSP00000432786	3.62E-06	-0.1684	0	0.000
ENSP00000371787	3.92E-06	-0.1684	0	0.000
ENSP00000368720	4.82E-06	-0.1684	0	0.174
ENSP00000472066	6.09E-07	-0.1684	0	0.000
ENSP00000366093	1.00E-05	-0.1685	159	0.806
ENSP00000348380	4.08E-06	-0.1686	0	0.180
ENSP00000371682	2.21E-06	-0.1686	0	0.173
ENSP00000320849	6.72E-06	-0.1686	0	0.000

ENSP00000453153	4.12E-06	-0.1687	0	0.160
ENSP00000355299	1.27E-06	-0.1687	0	0.086
ENSP00000357594	1.53E-05	-0.1687	161	0.137
ENSP00000357615	2.01E-05	-0.1687	248	0.000
ENSP00000385706	1.80E-06	-0.1689	0	0.176
ENSP00000360869	1.58E-05	-0.1689	360	0.706
ENSP00000386105	3.34E-06	-0.1689	0	0.620
ENSP00000406027	3.57E-06	-0.1690	0	0.112
ENSP00000349824	3.32E-06	-0.1690	0	0.080
ENSP00000405932	3.83E-06	-0.1690	0	0.000
ENSP00000410447	4.42E-06	-0.1690	0	0.711
ENSP00000417569	1.07E-05	-0.1690	0	0.134
ENSP00000431254	9.49E-06	-0.1691	254	0.393
ENSP00000333208	1.51E-05	-0.1691	0	0.112
ENSP00000385215	6.27E-06	-0.1692	239	0.000
ENSP00000366819	4.33E-06	-0.1692	0	0.451
ENSP00000355533	1.83E-05	-0.1692	234	0.584
ENSP00000258807	1.18E-05	-0.1692	158	0.260
ENSP00000391950	1.09E-05	-0.1692	202	0.606
ENSP00000362513	4.42E-06	-0.1692	0	0.154
ENSP00000332313	3.59E-06	-0.1693	0	0.000
ENSP00000331242	1.81E-05	-0.1693	290	0.542
ENSP00000411645	1.91E-06	-0.1694	0	0.123
ENSP00000388299	2.61E-06	-0.1694	0	0.264
ENSP00000409667	2.75E-05	-0.1694	414	0.401
ENSP00000463517	3.29E-06	-0.1694	0	0.148
ENSP00000378328	5.11E-06	-0.1694	0	0.084
ENSP00000418018	9.80E-06	-0.1694	216	0.180
ENSP00000349732	4.32E-06	-0.1694	0	0.106
ENSP00000374274	3.68E-06	-0.1694	0	0.183
ENSP00000356113	5.05E-06	-0.1695	0	0.240
ENSP00000301057	1.01E-05	-0.1695	0	0.124
ENSP00000300811	7.70E-06	-0.1696	0	0.104
ENSP00000419765	6.34E-06	-0.1696	0	0.505
ENSP00000457522	2.28E-05	-0.1696	327	0.236
ENSP00000354927	1.66E-05	-0.1696	343	0.664
ENSP00000349298	8.81E-06	-0.1696	215	0.263
ENSP00000382544	1.85E-05	-0.1697	482	0.676
ENSP00000367172	5.05E-06	-0.1697	0	0.097
ENSP00000418735	1.60E-05	-0.1697	286	0.319
ENSP00000251203	1.63E-05	-0.1697	198	0.812
ENSP00000303153	1.80E-05	-0.1697	227	0.706
ENSP00000398342	2.72E-06	-0.1697	0	0.124
ENSP00000426225	3.16E-06	-0.1698	0	0.000
ENSP00000397679	5.81E-06	-0.1698	0	0.100
ENSP00000400088	2.43E-05	-0.1698	271	0.000

ENSP00000364467	3.78E-06	-0.1698	0	0.081
ENSP00000361894	5.86E-06	-0.1698	0	0.239
ENSP00000433290	1.58E-05	-0.1699	284	0.522
ENSP00000300093	1.67E-05	-0.1699	244	0.000
ENSP00000371813	2.57E-06	-0.1699	0	0.170
ENSP00000390941	1.59E-06	-0.1699	0	0.114
ENSP00000372192	2.43E-07	-0.1699	0	0.000
ENSP00000364265	4.88E-06	-0.1699	0	0.000
ENSP00000360252	8.10E-06	-0.1699	0	0.048
ENSP00000411658	2.11E-05	-0.1700	544	0.635
ENSP00000340608	9.19E-06	-0.1700	289	0.681
ENSP00000428459	3.18E-06	-0.1701	0	0.119
ENSP00000399475	3.00E-06	-0.1701	0	0.275
ENSP00000450710	2.14E-05	-0.1701	213	0.000
ENSP00000335660	4.56E-06	-0.1701	0	0.184
ENSP00000377771	1.33E-05	-0.1701	0	0.196
ENSP00000355938	5.63E-06	-0.1701	0	0.108
ENSP00000431748	1.92E-06	-0.1702	0	0.101
ENSP00000371927	7.07E-06	-0.1702	510	0.132
ENSP00000348573	4.35E-06	-0.1702	0	0.413
ENSP00000364107	5.62E-06	-0.1702	0	0.082
ENSP00000361254	1.21E-05	-0.1703	358	0.123
ENSP00000303148	5.72E-06	-0.1703	0	0.142
ENSP00000371715	3.02E-06	-0.1703	0	0.115
ENSP00000470383	2.53E-06	-0.1704	0	0.000
ENSP00000382767	5.61E-06	-0.1704	247	0.455
ENSP00000355651	1.72E-05	-0.1704	235	0.275
ENSP00000240079	5.47E-06	-0.1704	0	0.086
ENSP00000384876	4.04E-06	-0.1704	0	0.294
ENSP00000358421	1.45E-05	-0.1704	202	0.500
ENSP00000367752	3.42E-06	-0.1705	0	0.128
ENSP00000377823	3.79E-06	-0.1705	0	0.058
ENSP00000365596	8.78E-06	-0.1705	293	0.370
ENSP00000450675	3.26E-06	-0.1705	0	0.000
ENSP00000359571	2.94E-06	-0.1705	0	0.162
ENSP00000370589	1.43E-05	-0.1705	243	0.000
ENSP00000311181	4.36E-06	-0.1705	0	0.000
ENSP00000364620	1.33E-05	-0.1706	270	0.068
ENSP00000359361	1.71E-05	-0.1707	192	0.411
ENSP00000347626	1.11E-05	-0.1707	0	0.162
ENSP00000358170	7.52E-06	-0.1707	0	0.145
ENSP00000317743	7.76E-06	-0.1708	0	0.131
ENSP00000401502	2.89E-06	-0.1708	0	0.122
ENSP00000370568	4.42E-06	-0.1708	0	0.140
ENSP00000364270	5.02E-06	-0.1708	0	0.759
ENSP00000305913	2.10E-05	-0.1708	0	0.362



ENSP00000373509	4.39E-06	-0.1709	0	0.124
ENSP00000423391	3.95E-06	-0.1709	0	0.228
ENSP00000378958	1.96E-05	-0.1709	244	0.000
ENSP00000450995	2.46E-06	-0.1709	0	0.000
ENSP00000404705	5.28E-06	-0.1709	0	0.077
ENSP00000379242	4.41E-06	-0.1709	0	0.152
ENSP00000343392	5.82E-06	-0.1709	340	0.777
ENSP00000377370	6.32E-06	-0.1710	0	0.127
ENSP00000360381	1.48E-06	-0.1710	0	0.135
ENSP00000458130	1.75E-06	-0.1711	0	0.112
ENSP00000314976	5.82E-06	-0.1711	0	0.502
ENSP00000222275	1.58E-05	-0.1711	0	0.146
ENSP00000354607	1.83E-05	-0.1711	227	0.900
ENSP00000272367	7.73E-06	-0.1711	0	0.100
ENSP00000363513	4.33E-06	-0.1711	0	0.112
ENSP00000414750	3.79E-06	-0.1711	0	0.494
ENSP00000265732	1.38E-05	-0.1711	0	0.199
ENSP00000358708	4.73E-06	-0.1711	0	0.255
ENSP00000470478	1.49E-06	-0.1711	0	0.000
ENSP00000377577	6.46E-07	-0.1711	0	0.000
ENSP00000378736	1.21E-05	-0.1711	0	0.300
ENSP00000446479	1.57E-05	-0.1712	242	0.467
ENSP00000355428	4.15E-06	-0.1713	0	0.137
ENSP00000377007	3.17E-06	-0.1713	0	0.342
ENSP00000362376	4.71E-06	-0.1714	0	0.090
ENSP00000381698	3.81E-06	-0.1714	0	0.264
ENSP00000392094	2.27E-05	-0.1714	541	0.899
ENSP00000414068	1.27E-05	-0.1715	908	0.000
ENSP00000432799	1.33E-05	-0.1715	746	0.342
ENSP00000376304	4.32E-06	-0.1715	0	0.107
ENSP00000454322	1.77E-06	-0.1715	0	0.112
ENSP00000380969	1.21E-05	-0.1715	905	0.601
ENSP00000357226	2.22E-06	-0.1715	0	0.160
ENSP00000297596	6.07E-06	-0.1715	448	0.601
ENSP00000369774	3.93E-06	-0.1716	0	0.719
ENSP00000264380	6.57E-06	-0.1716	771	0.670
ENSP00000401197	5.16E-06	-0.1716	0	0.171
ENSP00000451542	1.45E-06	-0.1717	0	0.000
ENSP00000424381	3.30E-06	-0.1717	0	0.100
ENSP00000399947	6.11E-06	-0.1717	0	0.000
ENSP00000402505	6.12E-06	-0.1718	0	0.116
ENSP00000361138	2.35E-06	-0.1718	0	0.099
ENSP00000379363	3.92E-06	-0.1718	0	0.725
ENSP00000356966	5.02E-06	-0.1718	156	0.325
ENSP00000421258	1.13E-05	-0.1718	265	0.697
ENSP00000363571	1.15E-05	-0.1718	209	0.673

ENSP00000321805	1.21E-05	-0.1718	503	0.605
ENSP00000396976	4.12E-06	-0.1718	0	0.495
ENSP00000447149	9.76E-06	-0.1719	456	0.686
ENSP00000371985	1.64E-05	-0.1719	313	0.523
ENSP00000428612	1.70E-06	-0.1720	0	0.076
ENSP00000367185	6.05E-06	-0.1720	0	0.095
ENSP00000357737	5.17E-06	-0.1721	0	0.104
ENSP00000357920	1.10E-05	-0.1721	206	0.245
ENSP00000362171	1.79E-05	-0.1721	326	0.000
ENSP00000376440	2.64E-06	-0.1721	0	0.173
ENSP00000291971	3.81E-06	-0.1721	0	0.170
ENSP00000348300	6.66E-06	-0.1722	0	0.413
ENSP00000405577	2.91E-06	-0.1722	0	0.172
ENSP00000359600	5.80E-06	-0.1722	0	0.103
ENSP00000401535	4.26E-06	-0.1723	0	0.000
ENSP00000361721	2.59E-06	-0.1723	0	0.221
ENSP00000365682	1.21E-05	-0.1725	214	0.809
ENSP00000379946	3.41E-06	-0.1725	0	0.547
ENSP00000429243	8.65E-06	-0.1725	196	0.369
ENSP00000311427	5.03E-06	-0.1726	0	0.101
ENSP00000364204	1.24E-05	-0.1726	662	0.620
ENSP00000428646	4.73E-06	-0.1726	0	0.149
ENSP00000363642	1.21E-05	-0.1727	288	0.903
ENSP00000365686	1.27E-05	-0.1727	517	0.132
ENSP00000311436	1.52E-05	-0.1727	270	0.231
ENSP00000329904	1.11E-05	-0.1727	0	0.168
ENSP00000457628	3.38E-06	-0.1727	0	0.000
ENSP00000391944	1.25E-05	-0.1727	560	0.802
ENSP00000451476	2.14E-06	-0.1727	0	0.000
ENSP00000374574	4.74E-06	-0.1727	0	0.893
ENSP00000243189	7.59E-06	-0.1727	0	0.000
ENSP00000358293	2.16E-06	-0.1728	0	0.000
ENSP00000326253	1.52E-05	-0.1729	197	0.129
ENSP00000377192	6.52E-06	-0.1729	220	0.437
ENSP00000374408	2.90E-06	-0.1729	0	0.161
ENSP00000346534	9.08E-06	-0.1730	205	0.533
ENSP00000423820	1.10E-05	-0.1731	204	0.735
ENSP00000362810	5.24E-06	-0.1731	0	0.575
ENSP00000442436	3.86E-06	-0.1732	0	0.000
ENSP00000356946	1.59E-05	-0.1732	242	0.708
ENSP00000416040	1.87E-06	-0.1732	0	0.312
ENSP00000376246	3.46E-06	-0.1733	0	0.133
ENSP00000358159	1.59E-05	-0.1734	543	0.907
ENSP00000316224	6.94E-06	-0.1734	0	0.000
ENSP00000367309	1.90E-05	-0.1735	265	0.000
ENSP00000362115	1.62E-05	-0.1735	320	0.430

ENSP00000381102	2.96E-06	-0.1736	0	0.077
ENSP00000321108	1.25E-05	-0.1736	769	0.063
ENSP00000412388	4.24E-06	-0.1736	0	0.111
ENSP00000353157	5.31E-06	-0.1737	0	0.463
ENSP00000356202	1.15E-05	-0.1737	290	0.572
ENSP00000367446	1.61E-05	-0.1737	177	0.600
ENSP00000319590	3.65E-06	-0.1737	0	0.107
ENSP00000391465	2.09E-06	-0.1738	0	0.000
ENSP00000370023	2.16E-05	-0.1738	301	0.504
ENSP00000369099	1.14E-05	-0.1738	201	0.183
ENSP00000420610	1.52E-06	-0.1739	0	0.190
ENSP00000361658	4.17E-06	-0.1739	0	0.358
ENSP00000257570	6.48E-06	-0.1739	901	0.654
ENSP00000254336	5.39E-06	-0.1739	0	0.110
ENSP00000300575	8.58E-06	-0.1739	0	0.129
ENSP00000344860	1.95E-06	-0.1739	0	0.183
ENSP00000383923	3.33E-06	-0.1740	0	0.189
ENSP00000305731	1.46E-05	-0.1740	167	0.330
ENSP00000455075	1.19E-06	-0.1740	0	0.000
ENSP00000364405	3.77E-06	-0.1740	0	0.679
ENSP00000406751	1.12E-05	-0.1740	243	0.712
ENSP00000377486	9.54E-06	-0.1740	401	0.636
ENSP00000451369	4.18E-06	-0.1741	0	0.000
ENSP00000378485	2.42E-05	-0.1741	274	0.681
ENSP00000346921	8.79E-06	-0.1741	480	0.550
ENSP00000437073	2.22E-05	-0.1742	244	0.434
ENSP00000350310	1.53E-05	-0.1743	175	0.622
ENSP00000395461	1.69E-06	-0.1743	0	0.150
ENSP00000352606	1.40E-05	-0.1743	0	0.134
ENSP00000395328	5.30E-06	-0.1743	0	0.108
ENSP00000311010	1.76E-05	-0.1744	200	0.839
ENSP00000347602	1.09E-05	-0.1744	195	0.000
ENSP00000310856	1.31E-05	-0.1745	165	0.148
ENSP00000362946	8.75E-06	-0.1745	671	0.608
ENSP00000324292	4.83E-06	-0.1745	0	0.120
ENSP00000375428	1.18E-06	-0.1745	0	0.183
ENSP00000361423	1.99E-05	-0.1746	310	0.694
ENSP00000346142	1.55E-05	-0.1746	337	0.365
ENSP00000357692	2.29E-06	-0.1746	0	0.121
ENSP00000374292	4.28E-06	-0.1746	0	0.134
ENSP00000363046	3.27E-06	-0.1747	0	0.083
ENSP00000440509	9.89E-07	-0.1747	0	0.144
ENSP00000445626	4.73E-06	-0.1747	0	0.770
ENSP00000323217	2.77E-06	-0.1748	0	0.160
ENSP00000471799	1.99E-06	-0.1748	0	0.000
ENSP00000362481	1.32E-05	-0.1749	583	0.539

ENSP00000363458	1.92E-05	-0.1749	930	0.660
ENSP00000429808	2.66E-06	-0.1749	0	0.113
ENSP00000377380	1.36E-05	-0.1750	172	0.391
ENSP00000340361	1.59E-05	-0.1750	196	0.893
ENSP00000246105	2.95E-06	-0.1750	0	0.144
ENSP00000429896	6.40E-07	-0.1750	0	0.161
ENSP00000356476	3.83E-06	-0.1750	0	0.835
ENSP00000222462	1.49E-05	-0.1751	573	0.927
ENSP00000376992	3.46E-06	-0.1751	0	0.112
ENSP00000362702	8.25E-06	-0.1751	150	0.444
ENSP00000429190	6.65E-06	-0.1751	0	0.291
ENSP00000367797	4.72E-06	-0.1751	0	0.737
ENSP00000368813	5.39E-06	-0.1751	0	0.165
ENSP00000367013	1.77E-05	-0.1751	205	0.860
ENSP00000287748	1.23E-05	-0.1752	0	0.171
ENSP00000428924	2.69E-05	-0.1752	306	0.656
ENSP00000462883	3.64E-07	-0.1752	0	0.156
ENSP00000310149	5.35E-06	-0.1752	0	0.143
ENSP00000262637	1.01E-05	-0.1753	0	0.000
ENSP00000387875	2.97E-06	-0.1753	0	0.242
ENSP00000353622	1.61E-05	-0.1754	285	0.000
ENSP00000375599	1.64E-06	-0.1754	0	0.000
ENSP00000363360	3.02E-06	-0.1754	0	0.107
ENSP00000425446	5.84E-06	-0.1755	0	0.000
ENSP00000349588	1.06E-05	-0.1755	912	0.675
ENSP00000370522	1.75E-05	-0.1755	265	0.208
ENSP00000364650	3.73E-06	-0.1756	0	0.090
ENSP00000422591	1.04E-05	-0.1756	168	0.850
ENSP00000365891	1.20E-05	-0.1756	195	0.463
ENSP00000319096	6.44E-06	-0.1756	448	0.590
ENSP00000358531	1.18E-05	-0.1756	0	0.376
ENSP00000343140	1.07E-05	-0.1756	150	0.101
ENSP00000340644	8.99E-06	-0.1757	0	0.118
ENSP00000328879	4.79E-06	-0.1757	0	0.786
ENSP00000441802	1.63E-05	-0.1757	150	0.101
ENSP00000313572	5.18E-06	-0.1757	205	0.000
ENSP00000366395	1.21E-05	-0.1757	940	0.568
ENSP00000258042	7.03E-06	-0.1758	0	0.502
ENSP00000357311	3.52E-06	-0.1758	0	0.180
ENSP00000386787	7.98E-06	-0.1759	0	0.113
ENSP00000386133	2.97E-06	-0.1759	0	0.141
ENSP00000354028	5.08E-06	-0.1759	0	0.101
ENSP00000318264	3.11E-06	-0.1760	0	0.162
ENSP00000386414	3.41E-06	-0.1760	0	0.582
ENSP00000423600	1.10E-05	-0.1760	220	0.060
ENSP00000257894	1.33E-05	-0.1760	0	0.151

ENSP00000348395	1.59E-05	-0.1760	209	0.361
ENSP00000362937	4.53E-06	-0.1761	0	0.680
ENSP00000269967	3.56E-06	-0.1761	0	0.234
ENSP00000421169	4.21E-06	-0.1761	0	0.102
ENSP00000294600	1.24E-05	-0.1761	0	0.165
ENSP00000372482	4.78E-06	-0.1761	0	0.099
ENSP00000369341	1.84E-06	-0.1762	0	0.119
ENSP00000443772	2.99E-06	-0.1762	0	0.000
ENSP00000336817	1.15E-05	-0.1762	0	0.118
ENSP00000355231	2.01E-05	-0.1762	505	0.675
ENSP00000346802	6.95E-06	-0.1762	0	0.138
ENSP00000359819	2.43E-06	-0.1763	0	0.113
ENSP00000427123	8.86E-06	-0.1763	201	0.635
ENSP00000354468	6.22E-06	-0.1763	193	0.325
ENSP00000306490	1.72E-05	-0.1764	185	0.708
ENSP00000280082	6.54E-06	-0.1764	0	0.000
ENSP00000270517	4.88E-06	-0.1764	0	0.312
ENSP00000391311	9.28E-06	-0.1764	208	0.456
ENSP00000332488	1.57E-05	-0.1764	264	0.095
ENSP00000402825	1.77E-05	-0.1764	153	0.000
ENSP00000361042	3.22E-06	-0.1764	0	0.146
ENSP00000354566	1.63E-05	-0.1765	175	0.675
ENSP00000354991	3.98E-06	-0.1765	0	0.123
ENSP00000368881	1.08E-05	-0.1765	156	0.327
ENSP00000335281	1.53E-06	-0.1765	0	0.125
ENSP00000391227	2.79E-06	-0.1765	0	0.129
ENSP00000380734	3.86E-06	-0.1765	0	0.177
ENSP00000289749	9.60E-06	-0.1766	0	0.109
ENSP00000373998	7.83E-06	-0.1766	0	0.135
ENSP00000357106	1.09E-05	-0.1766	158	0.085
ENSP00000392553	3.72E-06	-0.1766	0	0.000
ENSP00000367164	1.02E-06	-0.1766	0	0.131
ENSP00000364687	1.87E-05	-0.1766	411	0.000
ENSP00000347748	1.02E-05	-0.1766	0	0.166
ENSP00000434516	1.83E-05	-0.1766	604	0.726
ENSP00000252318	1.46E-05	-0.1766	0	0.104
ENSP00000407107	1.98E-06	-0.1767	0	0.196
ENSP00000377583	3.24E-06	-0.1767	0	0.181
ENSP00000372202	2.66E-06	-0.1767	0	0.196
ENSP00000363745	4.33E-06	-0.1767	0	0.852
ENSP00000318437	1.25E-05	-0.1768	0	0.112
ENSP00000251507	4.55E-06	-0.1768	0	0.164
ENSP00000313423	9.11E-06	-0.1768	0	0.136
ENSP00000390153	3.58E-06	-0.1768	0	0.000
ENSP00000344831	8.50E-06	-0.1768	242	0.073
ENSP00000387298	1.03E-06	-0.1768	0	0.192

ENSP00000333534	5.57E-06	-0.1768	0	0.164
ENSP00000256925	4.95E-06	-0.1768	0	0.188
ENSP00000315214	1.80E-05	-0.1769	0	0.000
ENSP00000389466	3.63E-06	-0.1769	0	0.132
ENSP00000378326	4.73E-06	-0.1769	0	0.086
ENSP00000360593	5.19E-06	-0.1769	247	0.000
ENSP00000380271	6.02E-06	-0.1769	0	0.502
ENSP00000374069	2.13E-05	-0.1770	264	0.630
ENSP00000358810	3.58E-06	-0.1770	0	0.092
ENSP00000388723	3.94E-06	-0.1771	0	0.087
ENSP00000386810	1.19E-05	-0.1771	270	0.000
ENSP00000373810	2.84E-06	-0.1772	0	0.000
ENSP00000380929	1.73E-06	-0.1772	0	0.182
ENSP00000359869	8.13E-06	-0.1772	223	0.199
ENSP00000415430	3.71E-06	-0.1772	0	0.230
ENSP00000427687	1.22E-05	-0.1772	720	0.344
ENSP00000424768	2.61E-06	-0.1773	0	0.122
ENSP00000401932	6.14E-06	-0.1773	0	0.105
ENSP00000268043	3.64E-06	-0.1773	0	0.703
ENSP00000352408	1.23E-05	-0.1773	292	0.446
ENSP00000364543	5.58E-06	-0.1773	0	0.892
ENSP00000354812	3.07E-06	-0.1773	0	0.800
ENSP00000366748	6.93E-06	-0.1773	748	0.303
ENSP00000358497	1.43E-05	-0.1774	282	0.411
ENSP00000343325	2.15E-05	-0.1774	734	0.667
ENSP00000374387	3.13E-06	-0.1774	0	0.544
ENSP00000391409	4.65E-06	-0.1774	0	0.177
ENSP00000334922	3.57E-06	-0.1774	0	0.110
ENSP00000353198	1.71E-05	-0.1775	209	0.598
ENSP00000365256	1.28E-05	-0.1776	360	0.088
ENSP00000319126	4.12E-06	-0.1776	0	0.135
ENSP00000299432	1.11E-05	-0.1776	0	0.148
ENSP00000361289	5.13E-06	-0.1776	0	0.284
ENSP00000371347	8.23E-06	-0.1776	0	0.500
ENSP00000456645	3.03E-06	-0.1777	0	0.000
ENSP00000240691	1.01E-05	-0.1777	0	0.151
ENSP00000444856	7.27E-06	-0.1777	178	0.687
ENSP00000358742	2.98E-06	-0.1778	0	0.154
ENSP00000353375	3.99E-06	-0.1778	0	0.236
ENSP00000436426	1.71E-06	-0.1778	0	0.118
ENSP00000414786	3.11E-06	-0.1778	0	0.076
ENSP00000378145	1.17E-05	-0.1778	0	0.082
ENSP00000355031	3.95E-06	-0.1778	0	0.690
ENSP00000362105	3.46E-06	-0.1778	0	0.862
ENSP00000431445	1.20E-05	-0.1779	0	0.503
ENSP00000215061	7.14E-06	-0.1779	0	0.124

ENSP00000361990	7.95E-06	-0.1780	167	0.200
ENSP00000325836	5.86E-06	-0.1780	448	0.594
ENSP00000415556	3.38E-06	-0.1781	0	0.093
ENSP00000310008	9.45E-06	-0.1781	0	0.379
ENSP00000377523	1.65E-05	-0.1781	268	0.930
ENSP00000374328	4.13E-06	-0.1781	0	0.135
ENSP00000321309	3.01E-06	-0.1782	0	0.177
ENSP00000340988	8.51E-06	-0.1782	0	0.163
ENSP00000371535	3.93E-06	-0.1782	0	0.256
ENSP00000366662	8.88E-06	-0.1783	0	0.103
ENSP00000439287	1.93E-06	-0.1783	0	0.151
ENSP00000361761	1.27E-05	-0.1783	150	0.083
ENSP00000360645	6.58E-06	-0.1783	279	0.155
ENSP00000305875	5.97E-06	-0.1783	0	0.176
ENSP00000368565	5.72E-06	-0.1783	642	0.824
ENSP00000377385	1.44E-05	-0.1783	213	0.875
ENSP00000350965	6.22E-06	-0.1783	257	0.000
ENSP00000364035	5.33E-06	-0.1784	417	0.183
ENSP00000328270	1.35E-06	-0.1784	0	0.172
ENSP00000346045	3.37E-06	-0.1784	0	0.815
ENSP00000408730	1.45E-06	-0.1785	0	0.113
ENSP00000359772	3.91E-06	-0.1785	0	0.000
ENSP00000351669	1.17E-05	-0.1786	262	0.073
ENSP00000371328	4.31E-06	-0.1786	0	0.137
ENSP00000398617	2.56E-06	-0.1786	0	0.163
ENSP00000357307	1.01E-05	-0.1786	313	0.244
ENSP00000442339	1.35E-06	-0.1786	0	0.564
ENSP00000316012	3.31E-06	-0.1786	0	0.114
ENSP00000284382	5.31E-06	-0.1786	0	0.488
ENSP00000340125	7.95E-06	-0.1787	197	0.167
ENSP00000363482	1.79E-06	-0.1788	0	0.109
ENSP00000319388	1.47E-05	-0.1788	630	0.131
ENSP00000302657	5.50E-06	-0.1788	0	0.126
ENSP00000438262	1.40E-05	-0.1788	254	0.693
ENSP00000377865	1.68E-05	-0.1788	332	0.766
ENSP00000359170	4.04E-06	-0.1789	0	0.166
ENSP00000303522	1.77E-05	-0.1790	283	0.661
ENSP00000368389	3.46E-06	-0.1790	0	0.161
ENSP00000368965	3.54E-06	-0.1790	0	0.105
ENSP00000357829	3.33E-06	-0.1790	0	0.424
ENSP00000375853	1.32E-05	-0.1790	197	0.384
ENSP00000352926	9.28E-06	-0.1790	918	0.000
ENSP00000359645	4.29E-06	-0.1791	0	0.873
ENSP00000327168	3.52E-06	-0.1791	0	0.139
ENSP00000331302	2.87E-06	-0.1791	0	0.341
ENSP00000355315	3.89E-06	-0.1792	0	0.768

ENSP00000295718	1.36E-05	-0.1792	220	0.648
ENSP00000389277	5.44E-06	-0.1792	361	0.212
ENSP00000430307	5.66E-06	-0.1793	0	0.156
ENSP00000371923	1.14E-05	-0.1793	235	0.206
ENSP00000455906	1.80E-06	-0.1793	0	0.125
ENSP00000221978	1.29E-05	-0.1793	0	0.130
ENSP00000409197	4.43E-06	-0.1793	0	0.000
ENSP00000295290	1.03E-05	-0.1794	0	0.105
ENSP00000368931	1.48E-06	-0.1794	0	0.181
ENSP00000443007	3.53E-06	-0.1794	0	0.000
ENSP00000407497	3.35E-06	-0.1794	0	0.127
ENSP00000452871	1.56E-05	-0.1794	202	0.805
ENSP00000378508	6.28E-06	-0.1794	811	0.250
ENSP00000337146	4.18E-06	-0.1794	0	0.157
ENSP00000353824	7.92E-06	-0.1795	805	0.684
ENSP00000243938	3.18E-06	-0.1795	0	0.143
ENSP00000364398	1.21E-05	-0.1795	0	0.642
ENSP00000358967	1.96E-05	-0.1795	303	0.437
ENSP00000369438	7.91E-07	-0.1796	0	0.170
ENSP00000265993	5.76E-06	-0.1796	0	0.130
ENSP00000367746	1.97E-06	-0.1797	0	0.117
ENSP00000367407	4.49E-06	-0.1797	0	0.165
ENSP00000385695	5.73E-06	-0.1797	0	0.517
ENSP00000297537	4.58E-06	-0.1797	0	0.799
ENSP00000406144	1.19E-06	-0.1797	0	0.139
ENSP00000360210	3.82E-06	-0.1797	0	0.118
ENSP00000354569	1.44E-05	-0.1798	515	0.000
ENSP00000376786	9.46E-06	-0.1798	159	0.736
ENSP00000409423	2.96E-06	-0.1798	0	0.230
ENSP00000472867	2.08E-06	-0.1798	0	0.694
ENSP00000355133	6.65E-06	-0.1798	208	0.235
ENSP00000355760	4.99E-06	-0.1798	0	0.378
ENSP00000447547	1.56E-06	-0.1799	0	0.381
ENSP00000371936	5.09E-06	-0.1799	0	0.560
ENSP00000368169	2.64E-05	-0.1799	748	0.927
ENSP00000410862	9.19E-06	-0.1799	203	0.193
ENSP00000255448	3.17E-06	-0.1799	0	0.724
ENSP00000352175	2.82E-06	-0.1800	0	0.136
ENSP00000426296	1.76E-06	-0.1800	0	0.137
ENSP00000302552	5.89E-06	-0.1800	0	0.104
ENSP00000425658	7.43E-06	-0.1800	202	0.593
ENSP00000359286	2.44E-06	-0.1800	0	0.000
ENSP00000355961	1.03E-05	-0.1800	0	0.217
ENSP00000256443	4.33E-06	-0.1800	0	0.817
ENSP00000263468	7.28E-06	-0.1800	0	0.000
ENSP00000348394	9.15E-06	-0.1801	0	0.087



ENSP00000365200	3.21E-06	-0.1801	0	0.129
ENSP00000381333	1.38E-05	-0.1801	359	0.749
ENSP00000351832	1.55E-05	-0.1802	156	0.122
ENSP00000375629	3.71E-06	-0.1802	0	0.231
ENSP00000346151	3.85E-06	-0.1802	0	0.481
ENSP00000305138	1.89E-06	-0.1802	0	0.166
ENSP00000354883	3.38E-06	-0.1803	0	0.115
ENSP00000339136	1.03E-05	-0.1803	472	0.616
ENSP00000390651	1.80E-05	-0.1804	205	0.688
ENSP00000374447	9.66E-06	-0.1804	480	0.693
ENSP00000414055	3.99E-06	-0.1804	0	0.142
ENSP00000414334	1.81E-05	-0.1805	204	0.915
ENSP00000395473	1.28E-05	-0.1805	231	0.073
ENSP00000399563	2.46E-06	-0.1805	0	0.000
ENSP00000360376	6.50E-06	-0.1805	0	0.153
ENSP00000377015	1.53E-05	-0.1806	721	0.232
ENSP00000362283	3.93E-06	-0.1806	0	0.382
ENSP00000253461	1.74E-05	-0.1807	0	0.126
ENSP00000398526	3.20E-06	-0.1807	0	0.467
ENSP00000452296	1.16E-05	-0.1807	201	0.000
ENSP00000376309	1.88E-05	-0.1807	772	0.969
ENSP00000430955	5.50E-06	-0.1807	236	0.314
ENSP00000277491	2.29E-05	-0.1808	165	0.000
ENSP00000329860	4.58E-06	-0.1808	0	0.150
ENSP00000406201	2.88E-06	-0.1808	0	0.688
ENSP00000356886	7.28E-06	-0.1808	0	0.000
ENSP00000436767	1.10E-05	-0.1808	240	0.838
ENSP00000350878	1.51E-05	-0.1808	191	0.588
ENSP00000417980	2.39E-05	-0.1808	411	0.000
ENSP00000318029	3.47E-06	-0.1809	0	0.071
ENSP00000454380	4.60E-06	-0.1809	0	0.381
ENSP00000362634	1.55E-05	-0.1809	232	0.678
ENSP00000354841	2.94E-06	-0.1809	0	0.081
ENSP00000417696	3.17E-06	-0.1809	0	0.701
ENSP00000362287	1.73E-05	-0.1809	270	0.710
ENSP00000392709	3.93E-06	-0.1811	0	0.367
ENSP00000356437	4.86E-06	-0.1811	0	0.078
ENSP00000363533	1.20E-05	-0.1811	313	0.434
ENSP00000468389	1.44E-06	-0.1812	0	0.000
ENSP00000327647	6.25E-06	-0.1812	0	0.503
ENSP00000335616	3.60E-06	-0.1813	0	0.141
ENSP00000349884	9.32E-06	-0.1813	167	0.315
ENSP00000359371	1.49E-05	-0.1813	167	0.697
ENSP00000351937	3.59E-06	-0.1813	0	0.131
ENSP00000379032	1.05E-05	-0.1814	232	0.539
ENSP00000419371	2.33E-06	-0.1814	0	0.380

ENSP00000355377	5.79E-06	-0.1814	0	0.080
ENSP00000274532	8.57E-06	-0.1814	0	0.209
ENSP00000364847	3.56E-06	-0.1814	0	0.273
ENSP00000377083	1.14E-05	-0.1815	226	0.299
ENSP00000394546	1.63E-06	-0.1815	0	0.139
ENSP00000350540	8.25E-06	-0.1815	0	0.000
ENSP00000442688	2.41E-06	-0.1815	0	0.110
ENSP00000381184	2.75E-06	-0.1815	0	0.000
ENSP00000384442	7.10E-06	-0.1815	174	0.650
ENSP00000400815	1.69E-06	-0.1816	0	0.119
ENSP00000355385	3.16E-06	-0.1817	0	0.140
ENSP00000461518	6.64E-06	-0.1818	0	0.266
ENSP00000381937	2.09E-06	-0.1818	0	0.000
ENSP00000456827	3.33E-06	-0.1819	0	0.000
ENSP00000368025	2.82E-06	-0.1819	0	0.135
ENSP00000376215	1.81E-05	-0.1819	178	0.671
ENSP00000332565	1.71E-05	-0.1819	216	0.342
ENSP00000357906	7.02E-06	-0.1819	0	0.097
ENSP00000454374	1.21E-06	-0.1819	0	0.000
ENSP00000411532	3.28E-05	-0.1820	711	0.784
ENSP00000387641	1.01E-05	-0.1820	151	0.228
ENSP00000367623	1.80E-05	-0.1820	195	0.789
ENSP00000437523	2.95E-06	-0.1820	0	0.000
ENSP00000365380	2.90E-05	-0.1820	933	0.000
ENSP00000217428	4.43E-06	-0.1820	0	0.155
ENSP00000303999	6.67E-06	-0.1821	0	0.087
ENSP00000452521	9.54E-06	-0.1821	0	0.221
ENSP00000472922	5.47E-07	-0.1821	0	0.000
ENSP00000402634	5.26E-06	-0.1821	0	0.185
ENSP00000365318	1.34E-05	-0.1821	270	0.587
ENSP00000360255	1.00E-05	-0.1821	196	0.177
ENSP00000385006	5.02E-06	-0.1822	0	0.169
ENSP00000334042	1.01E-05	-0.1823	0	0.096
ENSP00000339960	1.65E-05	-0.1823	216	0.454
ENSP00000312273	7.07E-06	-0.1823	0	0.110
ENSP00000363993	1.51E-05	-0.1823	639	0.399
ENSP00000461388	3.15E-06	-0.1823	0	0.000
ENSP00000427329	4.27E-06	-0.1824	0	0.000
ENSP00000355583	4.44E-06	-0.1824	205	0.000
ENSP00000219162	1.78E-05	-0.1825	0	0.103
ENSP00000435310	1.43E-06	-0.1825	0	0.000
ENSP00000373354	1.58E-05	-0.1825	244	0.000
ENSP00000421180	2.02E-06	-0.1825	0	0.575
ENSP00000383219	2.06E-06	-0.1826	0	0.169
ENSP00000390722	5.87E-06	-0.1826	221	0.178
ENSP00000391835	2.05E-06	-0.1827	0	0.000

ENSP00000362174	1.01E-05	-0.1828	810	0.000
ENSP00000452007	5.69E-06	-0.1828	398	0.169
ENSP00000384848	1.00E-05	-0.1829	0	0.068
ENSP00000358753	8.09E-06	-0.1829	187	0.274
ENSP00000362549	3.46E-06	-0.1829	0	0.119
ENSP00000352601	8.10E-06	-0.1829	561	0.115
ENSP00000387362	4.33E-06	-0.1829	0	0.343
ENSP00000410403	2.50E-05	-0.1829	284	0.000
ENSP00000350720	1.72E-05	-0.1829	836	0.000
ENSP00000371243	3.44E-06	-0.1830	0	0.149
ENSP00000370517	1.04E-05	-0.1830	333	0.651
ENSP00000343838	4.15E-06	-0.1830	0	0.165
ENSP00000347978	5.48E-06	-0.1830	0	0.758
ENSP00000301068	9.01E-06	-0.1830	448	0.592
ENSP00000424328	2.57E-06	-0.1830	0	0.170
ENSP00000301391	3.74E-06	-0.1831	0	0.059
ENSP00000372449	3.40E-06	-0.1831	0	0.000
ENSP00000327832	5.78E-06	-0.1832	0	0.150
ENSP00000211413	8.66E-06	-0.1832	0	0.110
ENSP00000366608	2.91E-06	-0.1833	0	0.314
ENSP00000336524	3.03E-06	-0.1833	0	0.141
ENSP00000421191	4.98E-06	-0.1833	0	0.127
ENSP00000457330	2.08E-06	-0.1834	0	0.000
ENSP00000332773	1.41E-05	-0.1834	749	0.649
ENSP00000327763	4.47E-06	-0.1834	0	0.295
ENSP00000361009	9.94E-06	-0.1834	0	0.310
ENSP00000281722	6.27E-06	-0.1834	0	0.205
ENSP00000283871	1.56E-05	-0.1834	172	0.108
ENSP00000334805	1.10E-05	-0.1834	0	0.273
ENSP00000450832	8.44E-06	-0.1835	0	0.338
ENSP00000463999	2.82E-05	-0.1835	902	0.586
ENSP00000384302	9.86E-06	-0.1835	403	0.832
ENSP00000363211	4.37E-06	-0.1835	185	0.169
ENSP00000403293	2.50E-06	-0.1835	0	0.361
ENSP00000360583	3.43E-06	-0.1835	0	0.138
ENSP00000378360	1.11E-05	-0.1836	159	0.000
ENSP00000363128	4.29E-06	-0.1836	0	0.210
ENSP00000358763	1.58E-05	-0.1836	151	0.134
ENSP00000266991	1.89E-05	-0.1836	281	0.888
ENSP00000412315	4.00E-06	-0.1836	0	0.071
ENSP00000261486	7.09E-06	-0.1837	0	0.076
ENSP00000382707	1.18E-05	-0.1837	156	0.486
ENSP00000356785	1.14E-05	-0.1837	315	0.569
ENSP00000470004	1.29E-05	-0.1838	212	0.796
ENSP00000364404	5.25E-06	-0.1838	0	0.121
ENSP00000428325	4.57E-06	-0.1838	0	0.115

ENSP00000402151	2.04E-06	-0.1838	0	0.000
ENSP00000348455	3.52E-06	-0.1838	0	0.213
ENSP00000395253	9.38E-06	-0.1839	231	0.000
ENSP00000403495	4.37E-06	-0.1839	0	0.615
ENSP00000355510	1.51E-05	-0.1839	273	0.600
ENSP00000396304	2.37E-06	-0.1840	0	0.127
ENSP00000315997	1.65E-05	-0.1841	0	0.110
ENSP00000296694	1.32E-05	-0.1841	0	0.152
ENSP00000351492	4.61E-06	-0.1842	0	0.504
ENSP00000367802	3.26E-06	-0.1842	0	0.000
ENSP00000423933	2.88E-06	-0.1842	0	0.590
ENSP00000388996	4.10E-06	-0.1843	0	0.211
ENSP00000379754	1.60E-06	-0.1843	0	0.167
ENSP00000462963	2.44E-06	-0.1844	0	0.160
ENSP00000383178	5.11E-06	-0.1844	167	0.410
ENSP00000357475	1.04E-05	-0.1845	151	0.387
ENSP00000365505	1.11E-05	-0.1845	197	0.178
ENSP00000417470	2.44E-06	-0.1846	0	0.681
ENSP00000373343	3.82E-06	-0.1846	0	0.101
ENSP00000324870	1.47E-05	-0.1846	407	0.105
ENSP00000363891	3.15E-06	-0.1846	0	0.051
ENSP00000421871	4.79E-06	-0.1846	0	0.000
ENSP00000284818	1.80E-05	-0.1846	258	0.645
ENSP00000362566	1.17E-05	-0.1847	349	0.302
ENSP00000450685	5.57E-07	-0.1847	0	0.000
ENSP00000317232	1.47E-05	-0.1847	372	0.427
ENSP00000416658	1.14E-05	-0.1847	315	0.594
ENSP00000371559	3.99E-06	-0.1847	0	0.172
ENSP00000390158	1.69E-05	-0.1848	158	0.711
ENSP00000385814	2.14E-06	-0.1848	0	0.300
ENSP00000349493	6.81E-06	-0.1848	0	0.099
ENSP00000402460	8.34E-06	-0.1850	0	0.164
ENSP00000386541	1.05E-05	-0.1850	167	0.537
ENSP00000383840	2.56E-06	-0.1851	0	0.091
ENSP00000370373	1.65E-05	-0.1851	260	0.708
ENSP00000371517	1.22E-05	-0.1852	151	0.275
ENSP00000402527	4.08E-06	-0.1852	0	0.590
ENSP00000259983	2.01E-05	-0.1852	0	0.204
ENSP00000343118	5.57E-06	-0.1852	0	0.125
ENSP00000379310	1.74E-05	-0.1852	216	0.120
ENSP00000432845	2.11E-06	-0.1852	0	0.179
ENSP00000296721	1.51E-05	-0.1852	720	0.090
ENSP00000328090	1.81E-05	-0.1853	161	0.112
ENSP00000392549	4.14E-06	-0.1853	0	0.060
ENSP00000367770	5.24E-06	-0.1854	0	0.097
ENSP00000334668	4.46E-06	-0.1854	0	0.140

ENSP00000391751	2.19E-05	-0.1854	274	0.436
ENSP00000470123	2.29E-06	-0.1854	0	0.675
ENSP00000367353	2.15E-06	-0.1855	0	0.102
ENSP00000365012	1.58E-05	-0.1855	242	0.664
ENSP00000349143	5.85E-06	-0.1855	0	0.148
ENSP00000344729	5.11E-06	-0.1855	0	0.135
ENSP00000375783	1.88E-06	-0.1856	0	0.139
ENSP00000424474	3.28E-06	-0.1856	0	0.095
ENSP00000381823	5.98E-06	-0.1856	196	0.182
ENSP00000421853	3.11E-06	-0.1856	0	0.106
ENSP00000374443	1.15E-05	-0.1858	159	0.144
ENSP00000366976	4.96E-06	-0.1858	0	0.124
ENSP00000381795	4.27E-06	-0.1858	0	0.078
ENSP00000308057	1.15E-05	-0.1858	270	0.218
ENSP00000443989	8.89E-06	-0.1859	311	0.000
ENSP00000438285	1.54E-06	-0.1859	0	0.209
ENSP00000429865	1.70E-06	-0.1859	0	0.107
ENSP00000378292	2.28E-06	-0.1859	0	0.128
ENSP00000417935	5.25E-06	-0.1859	181	0.000
ENSP00000384801	2.05E-06	-0.1860	0	0.123
ENSP00000351740	4.86E-06	-0.1860	0	0.090
ENSP00000469533	3.35E-06	-0.1860	0	0.000
ENSP00000361032	6.65E-06	-0.1860	0	0.154
ENSP00000276570	1.59E-05	-0.1861	920	0.242
ENSP00000224600	3.02E-05	-0.1861	0	0.000
ENSP00000371824	1.11E-06	-0.1861	0	0.161
ENSP00000429148	2.36E-06	-0.1861	0	0.698
ENSP00000369349	7.39E-06	-0.1861	0	0.529
ENSP00000366203	2.28E-06	-0.1861	0	0.081
ENSP00000378295	2.61E-06	-0.1861	0	0.427
ENSP00000302579	1.52E-05	-0.1862	151	0.182
ENSP00000368020	1.88E-05	-0.1862	416	0.546
ENSP00000291691	5.12E-06	-0.1862	0	0.128
ENSP00000342576	3.56E-06	-0.1863	0	0.118
ENSP00000408108	2.77E-06	-0.1863	0	0.152
ENSP00000353030	1.69E-05	-0.1863	294	0.817
ENSP00000434849	3.58E-06	-0.1863	0	0.621
ENSP00000381654	5.87E-06	-0.1864	235	0.430
ENSP00000272134	1.71E-05	-0.1864	161	0.872
ENSP00000356632	5.45E-06	-0.1864	0	0.094
ENSP00000439856	3.04E-06	-0.1864	0	0.455
ENSP00000364742	3.40E-06	-0.1865	0	0.250
ENSP00000354886	4.35E-06	-0.1865	0	0.088
ENSP00000417556	1.01E-06	-0.1865	0	0.000
ENSP00000307552	1.98E-05	-0.1866	256	0.120
ENSP00000357907	1.06E-05	-0.1866	551	0.000

ENSP00000470473	2.84E-07	-0.1866	0	0.000
ENSP00000380824	4.79E-06	-0.1867	0	0.270
ENSP00000354871	2.10E-05	-0.1867	963	0.654
ENSP00000355721	1.53E-05	-0.1868	216	0.229
ENSP00000275275	1.00E-05	-0.1868	0	0.166
ENSP00000383692	7.13E-07	-0.1868	0	0.212
ENSP00000355632	8.81E-06	-0.1869	268	0.198
ENSP00000377747	1.97E-05	-0.1869	196	0.937
ENSP00000317289	8.25E-06	-0.1870	0	0.122
ENSP00000410626	4.29E-06	-0.1871	0	0.456
ENSP00000278780	5.28E-06	-0.1871	0	0.452
ENSP00000389934	9.40E-06	-0.1871	0	0.237
ENSP00000473172	2.33E-05	-0.1871	403	0.870
ENSP00000370658	3.06E-06	-0.1872	0	0.173
ENSP00000388293	2.84E-06	-0.1872	0	0.249
ENSP00000400587	2.32E-06	-0.1872	0	0.000
ENSP00000329292	5.08E-06	-0.1873	0	0.115
ENSP00000408860	4.11E-06	-0.1873	0	0.270
ENSP00000333697	4.06E-06	-0.1873	0	0.184
ENSP00000471635	5.89E-07	-0.1874	0	0.315
ENSP00000359392	2.91E-06	-0.1874	0	0.210
ENSP00000333142	1.32E-05	-0.1874	214	0.704
ENSP00000348316	4.06E-06	-0.1874	0	0.083
ENSP00000417895	4.39E-06	-0.1874	0	0.301
ENSP00000363021	3.75E-06	-0.1874	0	0.743
ENSP00000360195	7.82E-06	-0.1874	201	0.609
ENSP00000472467	2.51E-06	-0.1875	0	0.114
ENSP00000382239	2.55E-06	-0.1875	0	0.263
ENSP00000216471	1.24E-05	-0.1875	0	0.204
ENSP00000368119	7.45E-06	-0.1876	0	0.097
ENSP00000401277	3.06E-06	-0.1876	0	0.297
ENSP00000275200	8.37E-06	-0.1876	0	0.089
ENSP00000306241	6.41E-06	-0.1876	0	0.000
ENSP00000452237	1.87E-06	-0.1877	0	0.121
ENSP00000367428	9.46E-06	-0.1877	625	0.568
ENSP00000356430	1.04E-05	-0.1878	188	0.576
ENSP00000466298	4.08E-06	-0.1878	0	0.220
ENSP00000365569	5.49E-06	-0.1878	0	0.152
ENSP00000426741	3.05E-06	-0.1878	0	0.000
ENSP00000380661	4.13E-06	-0.1879	0	0.368
ENSP00000374268	3.20E-06	-0.1880	0	0.064
ENSP00000346643	4.45E-06	-0.1880	202	0.654
ENSP00000377978	1.50E-05	-0.1880	197	0.000
ENSP00000383225	1.37E-06	-0.1880	0	0.163
ENSP00000405290	5.94E-06	-0.1881	0	0.772
ENSP00000257637	1.48E-05	-0.1881	0	0.095

ENSP00000457071	6.98E-07	-0.1881	0	0.085
ENSP00000343686	6.12E-06	-0.1882	0	0.182
ENSP00000429064	1.08E-05	-0.1882	181	0.457
ENSP00000302327	5.67E-06	-0.1882	0	0.756
ENSP00000264094	1.64E-05	-0.1882	0	0.123
ENSP00000358696	5.68E-06	-0.1883	0	0.520
ENSP00000372982	4.03E-06	-0.1883	0	0.129
ENSP00000370419	4.11E-06	-0.1883	0	0.143
ENSP00000455755	1.67E-06	-0.1883	0	0.000
ENSP00000384408	4.59E-06	-0.1883	0	0.447
ENSP00000310622	6.21E-06	-0.1884	0	0.086
ENSP00000318409	6.68E-06	-0.1884	0	0.168
ENSP00000401018	2.59E-06	-0.1884	0	0.375
ENSP00000374423	1.15E-05	-0.1885	0	0.000
ENSP00000367318	1.90E-06	-0.1885	0	0.158
ENSP00000355022	4.96E-06	-0.1885	0	0.113
ENSP00000361871	2.82E-06	-0.1885	0	0.132
ENSP00000467041	1.39E-06	-0.1886	0	0.000
ENSP00000431538	9.28E-06	-0.1886	181	0.593
ENSP00000420174	5.07E-06	-0.1886	0	0.120
ENSP00000310547	2.67E-06	-0.1887	0	0.055
ENSP00000366475	1.09E-05	-0.1887	183	0.051
ENSP00000309786	4.80E-06	-0.1887	0	0.000
ENSP00000384597	2.12E-06	-0.1887	0	0.545
ENSP00000331466	9.01E-06	-0.1887	0	0.137
ENSP00000369716	2.05E-05	-0.1888	196	0.923
ENSP00000354090	8.23E-06	-0.1888	0	0.117
ENSP00000357360	4.52E-06	-0.1888	0	0.053
ENSP00000353677	3.50E-06	-0.1888	0	0.099
ENSP00000330475	6.91E-06	-0.1889	0	0.137
ENSP00000361158	4.07E-06	-0.1889	205	0.674
ENSP00000347427	1.02E-05	-0.1890	0	0.462
ENSP00000384700	1.72E-05	-0.1890	192	0.818
ENSP00000468743	2.51E-06	-0.1890	0	0.000
ENSP00000335185	1.04E-05	-0.1891	402	0.583
ENSP00000472249	5.64E-06	-0.1891	0	0.100
ENSP00000376946	2.06E-05	-0.1891	760	0.694
ENSP00000357591	3.00E-06	-0.1891	0	0.000
ENSP00000361097	8.48E-06	-0.1892	0	0.131
ENSP00000370611	4.93E-06	-0.1892	0	0.191
ENSP00000398089	1.36E-06	-0.1892	0	0.222
ENSP00000260386	4.03E-06	-0.1892	0	0.140
ENSP00000342840	4.80E-06	-0.1892	0	0.158
ENSP00000216211	1.39E-05	-0.1892	0	0.177
ENSP00000424040	1.86E-06	-0.1892	0	0.132
ENSP00000354360	9.00E-06	-0.1893	0	0.276

ENSP00000438378	4.28E-06	-0.1893	0	0.174
ENSP00000368790	1.10E-05	-0.1893	290	0.583
ENSP00000371847	2.04E-06	-0.1893	0	0.134
ENSP00000355966	8.76E-06	-0.1894	169	0.419
ENSP00000438205	1.23E-05	-0.1894	0	0.112
ENSP00000367227	2.69E-06	-0.1894	0	0.073
ENSP00000367422	3.73E-06	-0.1895	0	0.091
ENSP00000366876	5.72E-06	-0.1895	0	0.154
ENSP00000332162	4.46E-06	-0.1895	0	0.132
ENSP00000407487	4.50E-06	-0.1895	0	0.208
ENSP00000357625	1.25E-05	-0.1895	173	0.514
ENSP00000418823	1.48E-05	-0.1895	323	0.606
ENSP00000253410	8.05E-06	-0.1896	0	0.123
ENSP00000290015	1.61E-05	-0.1896	507	0.935
ENSP00000363019	1.83E-05	-0.1896	322	0.692
ENSP00000335255	8.81E-06	-0.1896	0	0.131
ENSP00000334276	2.91E-06	-0.1897	0	0.057
ENSP00000366939	1.08E-05	-0.1897	159	0.208
ENSP00000329303	7.47E-06	-0.1897	0	0.000
ENSP00000363205	5.32E-06	-0.1898	413	0.314
ENSP00000223795	1.19E-05	-0.1898	0	0.479
ENSP00000341013	6.32E-06	-0.1898	0	0.114
ENSP00000366390	6.83E-06	-0.1898	0	0.128
ENSP00000364526	4.46E-06	-0.1899	0	0.100
ENSP00000355840	2.54E-06	-0.1899	0	0.000
ENSP00000389787	4.09E-06	-0.1899	0	0.084
ENSP00000355551	3.98E-06	-0.1899	0	0.100
ENSP00000300258	7.80E-06	-0.1899	0	0.158
ENSP00000422581	2.76E-06	-0.1899	0	0.310
ENSP00000315945	5.69E-06	-0.1899	0	0.101
ENSP00000368468	1.01E-05	-0.1900	0	0.072
ENSP00000458021	1.30E-06	-0.1900	0	0.000
ENSP00000387347	5.06E-06	-0.1900	272	0.327
ENSP00000375259	7.98E-07	-0.1900	0	0.000
ENSP00000394405	2.52E-06	-0.1901	0	0.072
ENSP00000430031	1.32E-05	-0.1901	250	0.557
ENSP00000352173	4.48E-06	-0.1901	0	0.139
ENSP00000298943	6.87E-06	-0.1901	0	0.142
ENSP00000397050	3.35E-06	-0.1902	0	0.619
ENSP00000428209	1.09E-05	-0.1903	569	0.682
ENSP00000362121	6.77E-06	-0.1903	211	0.128
ENSP00000379901	5.93E-06	-0.1904	159	0.095
ENSP00000366299	6.49E-06	-0.1904	205	0.103
ENSP00000368062	2.40E-06	-0.1904	0	0.484
ENSP00000361110	1.04E-05	-0.1904	191	0.179
ENSP00000300303	1.95E-05	-0.1905	0	0.134



ENSP00000386846	1.02E-06	-0.1905	0	0.000
ENSP00000223273	1.16E-05	-0.1905	0	0.162
ENSP00000346340	1.03E-05	-0.1905	408	0.335
ENSP00000261669	1.45E-05	-0.1905	588	0.088
ENSP00000367049	2.26E-06	-0.1905	0	0.072
ENSP00000378965	1.01E-05	-0.1905	195	0.199
ENSP00000348632	3.39E-06	-0.1906	0	0.349
ENSP00000256897	3.86E-06	-0.1906	0	0.775
ENSP00000416549	2.47E-10	-0.1906	0	0.000
ENSP00000410198	2.47E-06	-0.1906	0	0.694
ENSP00000282849	1.69E-05	-0.1906	167	0.315
ENSP00000361813	1.76E-06	-0.1907	0	0.135
ENSP00000229570	1.51E-05	-0.1907	0	0.217
ENSP00000352222	1.05E-05	-0.1907	334	0.711
ENSP00000359567	6.58E-06	-0.1907	0	0.838
ENSP00000354669	7.50E-06	-0.1908	223	0.398
ENSP00000378635	2.73E-06	-0.1908	0	0.118
ENSP00000379026	2.75E-06	-0.1909	0	0.000
ENSP00000369614	2.64E-06	-0.1909	0	0.071
ENSP00000357448	3.18E-06	-0.1909	0	0.197
ENSP00000360968	3.79E-06	-0.1909	0	0.160
ENSP00000386134	6.10E-06	-0.1910	169	0.847
ENSP00000223364	1.45E-05	-0.1910	178	0.446
ENSP00000432695	2.73E-06	-0.1910	0	0.529
ENSP00000379568	2.63E-06	-0.1910	0	0.095
ENSP00000377558	1.92E-06	-0.1910	0	0.082
ENSP00000449795	7.04E-06	-0.1911	150	0.240
ENSP00000346997	8.08E-06	-0.1912	244	0.000
ENSP00000410768	3.23E-06	-0.1912	0	0.170
ENSP00000457780	1.93E-06	-0.1912	0	0.000
ENSP00000409279	7.77E-06	-0.1913	0	0.097
ENSP00000397441	4.60E-06	-0.1913	0	0.152
ENSP00000355250	2.19E-06	-0.1913	0	0.146
ENSP00000300576	4.41E-06	-0.1913	0	0.160
ENSP00000348463	7.55E-06	-0.1913	0	0.000
ENSP00000364217	5.88E-06	-0.1914	0	0.320
ENSP00000373331	4.30E-06	-0.1914	236	0.659
ENSP00000361095	3.01E-06	-0.1914	0	0.099
ENSP00000356389	4.97E-06	-0.1914	0	0.106
ENSP00000434676	9.84E-06	-0.1914	223	0.219
ENSP00000370930	8.56E-06	-0.1914	0	0.560
ENSP00000355560	6.49E-06	-0.1914	212	0.322
ENSP00000358909	9.16E-06	-0.1915	0	0.080
ENSP00000358120	3.99E-06	-0.1915	0	0.127
ENSP00000281171	1.09E-05	-0.1916	206	0.656
ENSP00000394510	2.59E-06	-0.1916	0	0.104

ENSP00000366612	3.33E-06	-0.1916	0	0.331
ENSP00000322609	6.12E-06	-0.1917	0	0.000
ENSP00000417970	2.28E-06	-0.1917	0	0.330
ENSP00000352785	1.23E-05	-0.1917	158	0.158
ENSP00000419542	3.89E-06	-0.1918	0	0.614
ENSP00000412215	1.94E-06	-0.1918	0	0.127
ENSP00000347635	5.64E-06	-0.1918	0	0.135
ENSP00000258106	1.02E-05	-0.1918	0	0.845
ENSP00000331704	4.56E-06	-0.1918	0	0.131
ENSP00000418802	3.73E-06	-0.1919	0	0.000
ENSP00000365251	1.41E-05	-0.1919	261	0.071
ENSP00000259938	1.48E-05	-0.1919	311	0.605
ENSP00000446264	8.11E-07	-0.1920	0	0.000
ENSP00000360988	1.79E-06	-0.1920	0	0.110
ENSP00000378890	1.43E-05	-0.1920	394	0.550
ENSP00000312126	4.83E-06	-0.1921	0	0.645
ENSP00000311218	7.88E-06	-0.1921	0	0.127
ENSP00000361083	8.37E-06	-0.1922	0	0.149
ENSP00000378605	1.26E-05	-0.1922	776	0.144
ENSP00000438465	8.10E-06	-0.1922	0	0.219
ENSP00000368464	3.27E-06	-0.1923	0	0.228
ENSP00000354481	6.26E-06	-0.1923	0	0.000
ENSP00000308716	8.58E-06	-0.1923	0	0.835
ENSP00000419088	4.71E-06	-0.1924	0	0.120
ENSP00000393854	4.91E-06	-0.1924	0	0.137
ENSP00000373575	5.38E-06	-0.1924	0	0.169
ENSP00000378072	1.07E-05	-0.1924	189	0.114
ENSP00000366418	2.80E-06	-0.1924	0	0.112
ENSP00000425048	1.71E-06	-0.1925	0	0.129
ENSP00000361800	2.19E-06	-0.1925	0	0.220
ENSP00000356634	8.81E-06	-0.1925	0	0.144
ENSP00000357153	1.77E-05	-0.1925	224	0.728
ENSP00000371805	3.94E-06	-0.1926	0	0.129
ENSP00000324834	1.09E-05	-0.1926	202	0.000
ENSP00000366656	2.90E-06	-0.1927	0	0.000
ENSP00000361725	1.26E-05	-0.1927	328	0.542
ENSP00000350854	1.18E-05	-0.1927	375	0.000
ENSP00000358320	3.15E-06	-0.1928	0	0.234
ENSP00000405674	2.51E-06	-0.1928	0	0.419
ENSP00000416193	3.62E-06	-0.1928	0	0.080
ENSP00000345774	1.02E-05	-0.1929	256	0.346
ENSP00000362116	8.29E-06	-0.1929	231	0.262
ENSP00000386772	3.70E-06	-0.1930	0	0.288
ENSP00000360876	1.60E-05	-0.1930	326	0.704
ENSP00000361875	5.48E-06	-0.1930	0	0.108
ENSP00000248600	3.95E-06	-0.1930	0	0.623

ENSP00000305151	1.58E-05	-0.1930	0	0.144
ENSP00000360530	1.19E-05	-0.1930	165	0.716
ENSP00000329638	2.24E-06	-0.1931	0	0.164
ENSP00000415978	1.36E-06	-0.1931	0	0.000
ENSP00000301039	1.39E-05	-0.1932	0	0.508
ENSP00000353820	9.08E-06	-0.1933	358	0.597
ENSP00000328232	3.09E-06	-0.1933	0	0.377
ENSP00000348205	5.58E-06	-0.1933	161	0.445
ENSP00000347454	5.22E-06	-0.1933	0	0.192
ENSP00000361336	6.89E-06	-0.1933	0	0.126
ENSP00000458290	1.95E-06	-0.1933	0	0.085
ENSP00000406546	2.94E-06	-0.1934	0	0.082
ENSP00000409799	2.90E-06	-0.1934	0	0.229
ENSP00000382717	8.19E-06	-0.1934	0	0.068
ENSP00000365692	1.01E-05	-0.1935	810	0.687
ENSP00000402644	9.76E-07	-0.1935	0	0.103
ENSP00000376465	1.01E-05	-0.1935	165	0.165
ENSP00000362403	1.41E-05	-0.1935	169	0.544
ENSP00000400113	1.92E-05	-0.1936	206	0.000
ENSP00000358812	1.42E-05	-0.1936	356	0.910
ENSP00000309402	4.31E-06	-0.1936	0	0.136
ENSP00000349351	3.04E-06	-0.1936	0	0.150
ENSP00000284486	3.81E-06	-0.1936	0	0.177
ENSP00000411593	1.22E-05	-0.1937	200	0.421
ENSP00000418070	4.69E-06	-0.1937	0	0.235
ENSP00000355237	5.06E-06	-0.1937	205	0.676
ENSP00000375267	2.54E-06	-0.1938	0	0.130
ENSP00000320207	3.26E-06	-0.1938	0	0.000
ENSP00000355014	4.82E-06	-0.1938	0	0.419
ENSP00000421586	3.65E-06	-0.1938	0	0.100
ENSP00000347924	2.80E-06	-0.1939	0	0.096
ENSP00000440704	1.83E-06	-0.1939	0	0.077
ENSP00000296506	1.03E-05	-0.1939	0	0.118
ENSP00000455585	2.96E-06	-0.1940	0	0.675
ENSP00000345773	1.85E-06	-0.1940	0	0.211
ENSP00000333212	4.93E-06	-0.1941	0	0.214
ENSP00000358424	6.83E-06	-0.1941	198	0.443
ENSP00000295759	6.62E-06	-0.1941	0	0.079
ENSP00000365714	2.62E-06	-0.1941	0	0.151
ENSP00000382713	5.41E-06	-0.1941	0	0.082
ENSP00000348639	6.91E-06	-0.1941	0	0.161
ENSP00000358813	7.89E-06	-0.1941	178	0.270
ENSP00000278853	3.40E-06	-0.1942	0	0.083
ENSP00000355198	5.30E-06	-0.1942	0	0.209
ENSP00000358233	5.65E-06	-0.1943	0	0.087
ENSP00000471531	1.06E-07	-0.1943	0	0.000

ENSP00000365492	8.50E-06	-0.1943	0	0.124
ENSP00000384651	3.02E-06	-0.1943	0	0.077
ENSP00000350541	1.26E-05	-0.1943	546	0.000
ENSP00000356828	3.55E-06	-0.1944	0	0.147
ENSP00000360806	4.46E-06	-0.1944	0	0.332
ENSP00000352584	1.92E-05	-0.1944	301	0.366
ENSP00000406598	2.50E-06	-0.1945	0	0.178
ENSP00000362532	3.03E-06	-0.1945	0	0.442
ENSP00000437968	2.01E-06	-0.1945	0	0.096
ENSP00000442349	1.09E-05	-0.1945	198	0.000
ENSP00000300399	4.87E-06	-0.1945	0	0.121
ENSP00000462664	1.46E-05	-0.1946	215	0.818
ENSP00000364699	7.27E-06	-0.1946	215	0.431
ENSP00000435517	3.15E-06	-0.1946	0	0.130
ENSP00000242729	1.78E-05	-0.1947	177	0.076
ENSP00000347464	6.37E-06	-0.1947	0	0.367
ENSP00000347601	3.52E-06	-0.1947	0	0.000
ENSP00000300184	1.05E-05	-0.1948	0	0.189
ENSP00000381486	1.28E-05	-0.1948	167	0.622
ENSP00000366901	3.19E-06	-0.1948	0	0.089
ENSP00000361917	8.44E-06	-0.1948	0	0.195
ENSP00000410216	1.89E-06	-0.1948	0	0.085
ENSP00000387426	1.18E-05	-0.1949	0	0.190
ENSP00000261070	3.39E-06	-0.1949	0	0.178
ENSP00000367715	3.81E-06	-0.1949	0	0.096
ENSP00000357776	4.38E-06	-0.1949	0	0.135
ENSP00000319170	9.63E-06	-0.1950	353	0.457
ENSP00000368237	2.66E-06	-0.1951	0	0.111
ENSP00000359609	8.97E-06	-0.1951	163	0.115
ENSP00000369611	3.35E-06	-0.1951	0	0.208
ENSP00000362525	5.00E-06	-0.1951	0	0.161
ENSP00000347586	7.32E-06	-0.1952	0	0.158
ENSP00000346600	4.55E-06	-0.1952	0	0.000
ENSP00000357748	4.96E-06	-0.1952	163	0.812
ENSP00000404676	5.27E-06	-0.1953	0	0.221
ENSP00000472810	3.68E-07	-0.1953	0	0.000
ENSP00000369346	6.23E-06	-0.1953	0	0.131
ENSP00000329668	1.67E-05	-0.1953	158	0.733
ENSP00000348852	3.50E-06	-0.1953	0	0.133
ENSP00000417587	1.18E-05	-0.1953	282	0.582
ENSP00000424363	1.02E-05	-0.1954	163	0.000
ENSP00000367615	1.11E-05	-0.1954	367	0.573
ENSP00000351484	7.47E-06	-0.1954	0	0.281
ENSP00000406925	3.59E-06	-0.1955	0	0.157
ENSP00000334708	3.63E-06	-0.1955	0	0.150
ENSP00000315111	9.54E-06	-0.1956	0	0.000

ENSP00000386203	1.59E-06	-0.1957	0	0.000
ENSP00000439146	9.02E-06	-0.1957	288	0.000
ENSP00000315203	1.16E-05	-0.1957	0	0.191
ENSP00000357484	1.17E-05	-0.1957	323	0.209
ENSP00000360299	5.77E-06	-0.1957	0	0.000
ENSP00000289820	6.64E-06	-0.1957	0	0.347
ENSP00000383431	2.60E-06	-0.1957	0	0.475
ENSP00000386764	3.42E-06	-0.1958	0	0.562
ENSP00000394757	3.62E-06	-0.1958	0	0.690
ENSP00000378851	3.02E-06	-0.1958	0	0.100
ENSP00000354884	1.04E-05	-0.1959	174	0.168
ENSP00000386359	4.19E-06	-0.1959	0	0.139
ENSP00000312942	4.00E-06	-0.1959	0	0.073
ENSP00000464146	1.27E-05	-0.1960	199	0.000
ENSP00000358146	2.48E-06	-0.1960	0	0.139
ENSP00000340474	6.46E-06	-0.1960	0	0.344
ENSP00000360644	1.03E-05	-0.1960	229	0.513
ENSP00000295682	5.10E-06	-0.1961	0	0.118
ENSP00000430706	1.38E-05	-0.1961	266	0.000
ENSP00000333833	6.06E-06	-0.1961	0	0.145
ENSP00000354223	3.30E-06	-0.1961	0	0.125
ENSP00000469958	5.70E-06	-0.1961	0	0.665
ENSP00000352522	5.13E-06	-0.1962	0	0.162
ENSP00000356982	4.02E-06	-0.1962	0	0.076
ENSP00000386190	3.61E-06	-0.1962	0	0.130
ENSP00000402697	7.26E-06	-0.1962	169	0.000
ENSP00000354432	6.67E-06	-0.1963	202	0.653
ENSP00000419970	1.03E-05	-0.1963	178	0.377
ENSP00000349887	7.03E-06	-0.1963	202	0.165
ENSP00000366672	3.13E-06	-0.1964	0	0.236
ENSP00000289448	3.22E-06	-0.1964	0	0.172
ENSP00000361731	1.77E-06	-0.1964	0	0.219
ENSP00000381717	2.46E-05	-0.1964	322	0.678
ENSP00000418721	4.19E-06	-0.1964	0	0.208
ENSP00000366677	2.79E-06	-0.1964	0	0.000
ENSP00000364261	2.74E-06	-0.1965	0	0.107
ENSP00000378312	1.30E-06	-0.1965	0	0.105
ENSP00000454657	5.51E-06	-0.1966	175	0.000
ENSP00000353013	3.43E-06	-0.1966	0	0.113
ENSP00000362041	1.03E-05	-0.1966	718	0.402
ENSP00000448182	7.77E-06	-0.1967	0	0.187
ENSP00000370394	1.78E-06	-0.1968	0	0.091
ENSP00000366506	5.81E-06	-0.1968	0	0.459
ENSP00000381785	8.14E-06	-0.1968	476	0.313
ENSP00000355895	7.07E-06	-0.1968	0	0.060
ENSP00000394954	3.76E-06	-0.1968	0	0.083

ENSP00000382157	9.52E-07	-0.1969	0	0.000
ENSP00000357219	7.04E-06	-0.1969	316	0.702
ENSP00000421915	2.40E-06	-0.1969	0	0.680
ENSP00000417548	8.72E-06	-0.1969	803	0.223
ENSP00000320416	7.74E-06	-0.1969	0	0.080
ENSP00000340434	5.97E-06	-0.1969	0	0.109
ENSP00000365388	8.60E-06	-0.1969	167	0.355
ENSP00000353670	3.29E-06	-0.1969	0	0.532
ENSP00000298223	5.23E-06	-0.1970	0	0.077
ENSP00000359675	8.04E-06	-0.1970	0	0.430
ENSP00000354039	3.58E-06	-0.1971	0	0.178
ENSP00000250825	1.19E-05	-0.1971	0	0.213
ENSP00000349785	3.83E-06	-0.1971	0	0.253
ENSP00000369981	1.28E-05	-0.1971	260	0.586
ENSP00000366178	6.26E-06	-0.1971	0	0.121
ENSP00000433821	1.09E-05	-0.1972	787	0.850
ENSP00000446280	3.23E-05	-0.1972	468	0.632
ENSP00000340590	6.43E-06	-0.1972	0	0.092
ENSP00000414517	8.29E-06	-0.1972	0	0.197
ENSP00000355955	8.07E-06	-0.1972	0	0.086
ENSP00000384917	1.00E-05	-0.1973	684	0.117
ENSP00000357008	1.05E-05	-0.1973	0	0.084
ENSP00000272324	2.00E-05	-0.1973	159	0.350
ENSP00000386156	9.99E-06	-0.1973	213	0.000
ENSP00000355499	4.76E-06	-0.1974	0	0.057
ENSP00000430128	1.06E-05	-0.1974	0	0.978
ENSP00000301332	3.45E-06	-0.1974	0	0.257
ENSP00000369513	1.36E-06	-0.1975	0	0.060
ENSP00000353769	3.57E-06	-0.1976	0	0.219
ENSP00000341867	6.77E-06	-0.1976	0	0.110
ENSP00000303777	2.19E-06	-0.1976	0	0.098
ENSP00000429367	3.99E-06	-0.1976	0	0.102
ENSP00000377148	1.81E-05	-0.1976	634	0.188
ENSP00000254072	1.27E-06	-0.1976	0	0.170
ENSP00000350869	3.63E-06	-0.1976	0	0.253
ENSP00000362560	2.49E-06	-0.1977	0	0.190
ENSP00000354218	4.73E-06	-0.1978	0	0.637
ENSP00000386487	3.27E-06	-0.1978	0	0.089
ENSP00000418379	1.60E-05	-0.1978	429	0.000
ENSP00000369500	2.32E-06	-0.1978	0	0.107
ENSP00000358747	1.20E-05	-0.1978	467	0.392
ENSP00000318770	1.30E-05	-0.1979	0	0.201
ENSP00000316457	2.43E-06	-0.1979	0	0.000
ENSP00000182290	1.36E-05	-0.1980	0	0.125
ENSP00000394049	2.57E-06	-0.1980	0	0.283
ENSP00000386218	2.46E-06	-0.1981	0	0.000

ENSP00000271357	9.55E-06	-0.1982	171	0.319
ENSP00000346576	4.53E-06	-0.1982	0	0.000
ENSP00000346022	5.36E-06	-0.1982	410	0.799
ENSP00000429168	2.61E-06	-0.1982	0	0.106
ENSP00000393154	5.08E-06	-0.1982	0	0.700
ENSP00000392353	3.23E-06	-0.1983	0	0.113
ENSP00000455681	1.71E-06	-0.1983	0	0.000
ENSP00000357583	3.05E-06	-0.1983	0	0.150
ENSP00000377055	1.54E-05	-0.1983	501	0.229
ENSP00000375475	6.83E-07	-0.1984	0	0.146
ENSP00000357297	6.79E-06	-0.1984	575	0.280
ENSP00000355493	5.80E-06	-0.1984	0	0.519
ENSP00000403302	6.54E-06	-0.1985	202	0.619
ENSP00000385025	1.89E-06	-0.1985	0	0.122
ENSP00000369318	2.23E-05	-0.1985	220	0.565
ENSP00000389160	1.52E-06	-0.1985	0	0.162
ENSP00000356001	5.83E-06	-0.1985	0	0.423
ENSP00000379678	7.58E-06	-0.1986	153	0.278
ENSP00000334287	1.91E-06	-0.1986	0	0.251
ENSP00000371587	1.73E-05	-0.1986	370	0.422
ENSP00000352265	7.51E-06	-0.1987	0	0.083
ENSP00000355492	1.96E-06	-0.1987	0	0.068
ENSP00000355228	5.15E-06	-0.1987	0	0.593
ENSP00000349313	4.50E-06	-0.1987	0	0.562
ENSP00000363794	4.47E-06	-0.1987	0	0.190
ENSP00000454926	3.89E-06	-0.1988	0	0.135
ENSP00000355731	1.15E-05	-0.1988	315	0.652
ENSP00000350353	7.87E-06	-0.1988	415	0.122
ENSP00000371994	2.74E-06	-0.1988	0	0.343
ENSP00000363614	6.58E-06	-0.1989	235	0.457
ENSP00000350352	3.21E-06	-0.1989	0	0.820
ENSP00000362555	3.99E-06	-0.1989	0	0.089
ENSP00000369855	1.35E-05	-0.1990	307	0.677
ENSP00000445768	2.48E-06	-0.1990	0	0.098
ENSP00000355121	6.09E-06	-0.1990	0	0.130
ENSP00000360718	6.98E-06	-0.1990	0	0.199
ENSP00000377075	1.51E-06	-0.1990	0	0.352
ENSP00000361640	4.55E-06	-0.1990	0	0.223
ENSP00000351345	1.94E-06	-0.1991	0	0.106
ENSP00000370949	2.98E-06	-0.1991	0	0.163
ENSP00000359396	2.56E-06	-0.1991	0	0.290
ENSP00000326391	7.90E-06	-0.1992	207	0.833
ENSP00000252675	1.59E-05	-0.1992	360	0.065
ENSP00000361518	5.27E-06	-0.1993	0	0.180
ENSP00000416033	2.31E-06	-0.1993	0	0.092
ENSP00000283921	1.62E-05	-0.1993	204	0.871

ENSP00000384192	4.33E-06	-0.1994	0	0.352
ENSP00000311343	1.01E-05	-0.1994	0	0.144
ENSP00000392270	2.81E-06	-0.1994	0	0.571
ENSP00000453399	2.89E-06	-0.1994	0	0.116
ENSP00000373244	1.14E-05	-0.1994	301	0.407
ENSP00000359297	6.24E-06	-0.1995	198	0.278
ENSP00000355046	1.23E-05	-0.1995	214	0.538
ENSP00000424870	4.69E-06	-0.1995	158	0.663
ENSP00000377958	2.05E-05	-0.1997	785	0.742
ENSP00000372437	6.55E-06	-0.1997	0	0.000
ENSP00000401566	4.30E-06	-0.1997	0	0.666
ENSP00000363763	2.10E-05	-0.1997	632	0.670
ENSP00000291481	2.98E-06	-0.1997	0	0.158
ENSP00000413064	2.97E-06	-0.1997	0	0.072
ENSP00000394494	2.71E-06	-0.1997	0	0.220
ENSP00000371553	4.84E-06	-0.1997	0	0.452
ENSP00000339801	1.27E-05	-0.1997	214	0.117
ENSP00000366179	7.36E-06	-0.1997	990	0.244
ENSP00000360613	1.73E-05	-0.1998	223	0.869
ENSP00000454454	5.07E-06	-0.1998	182	0.000
ENSP00000271835	1.34E-05	-0.1998	0	0.149
ENSP00000359557	4.60E-06	-0.1998	0	0.259
ENSP00000373565	7.04E-06	-0.1998	0	0.146
ENSP00000365687	1.06E-05	-0.1998	156	0.841
ENSP00000381377	1.73E-06	-0.1999	0	0.129
ENSP00000428343	9.84E-06	-0.1999	188	0.368
ENSP00000361524	3.11E-06	-0.2000	0	0.135
ENSP00000362727	9.10E-06	-0.2000	256	0.074
ENSP00000352425	1.12E-05	-0.2000	208	0.630
ENSP00000357511	6.06E-06	-0.2000	0	0.184
ENSP00000359782	4.64E-06	-0.2000	0	0.169
ENSP00000274181	1.68E-05	-0.2000	167	0.127
ENSP00000347538	4.13E-06	-0.2000	0	0.107
ENSP00000402084	5.13E-06	-0.2001	0	0.708
ENSP00000381167	7.99E-06	-0.2001	235	0.152
ENSP00000384053	1.27E-05	-0.2001	215	0.691
ENSP00000369440	8.59E-06	-0.2001	0	0.119
ENSP00000265404	6.21E-06	-0.2001	0	0.211
ENSP00000285871	1.24E-05	-0.2001	0	0.153
ENSP00000358059	3.99E-06	-0.2002	0	0.141
ENSP00000349768	1.47E-05	-0.2002	173	0.682
ENSP00000315137	5.35E-06	-0.2002	0	0.080
ENSP00000267484	4.31E-06	-0.2003	0	0.103
ENSP00000457258	2.89E-06	-0.2003	0	0.597
ENSP00000356156	5.92E-06	-0.2003	183	0.229
ENSP00000457656	4.85E-06	-0.2003	193	0.000



ENSP00000433415	2.08E-06	-0.2003	0	0.183
ENSP00000364643	3.33E-06	-0.2003	0	0.092
ENSP00000255695	1.26E-05	-0.2004	0	0.089
ENSP00000358784	4.79E-06	-0.2004	0	0.378
ENSP00000350686	2.15E-06	-0.2004	0	0.069
ENSP00000221797	1.54E-05	-0.2004	0	0.110
ENSP00000346478	9.12E-06	-0.2004	0	0.181
ENSP00000372112	3.14E-06	-0.2004	0	0.106
ENSP00000417914	8.56E-06	-0.2005	202	0.667
ENSP00000311695	4.08E-06	-0.2005	0	0.274
ENSP00000428220	1.62E-05	-0.2007	175	0.566
ENSP00000395995	3.21E-06	-0.2007	0	0.135
ENSP00000362748	1.04E-05	-0.2007	150	0.263
ENSP00000376410	3.15E-06	-0.2007	0	0.286
ENSP00000371693	1.20E-05	-0.2008	290	0.771
ENSP00000360191	3.11E-06	-0.2008	0	0.122
ENSP00000351632	3.41E-06	-0.2009	0	0.100
ENSP00000382670	5.10E-06	-0.2009	0	0.101
ENSP00000412361	3.56E-06	-0.2010	0	0.122
ENSP00000368124	3.35E-06	-0.2010	0	0.000
ENSP00000360316	1.97E-05	-0.2010	349	0.398
ENSP00000332163	1.03E-05	-0.2010	0	0.121
ENSP00000405252	3.95E-06	-0.2010	0	0.182
ENSP00000329565	3.61E-06	-0.2012	0	0.150
ENSP00000368144	1.72E-06	-0.2012	0	0.093
ENSP00000354575	7.28E-06	-0.2012	159	0.108
ENSP00000408405	2.47E-06	-0.2013	0	0.090
ENSP00000281772	1.13E-05	-0.2013	0	0.141
ENSP00000337450	4.50E-06	-0.2013	0	0.294
ENSP00000356465	6.40E-06	-0.2013	0	0.150
ENSP00000380785	3.89E-06	-0.2013	0	0.106
ENSP00000344668	1.59E-05	-0.2014	175	0.584
ENSP00000265801	1.49E-05	-0.2014	242	0.368
ENSP00000298298	7.45E-06	-0.2014	0	0.000
ENSP00000430025	2.88E-06	-0.2015	0	0.148
ENSP00000358762	7.74E-06	-0.2015	0	0.118
ENSP00000323421	3.56E-06	-0.2015	0	0.767
ENSP00000361569	3.86E-06	-0.2016	0	0.109
ENSP00000362387	3.60E-06	-0.2017	0	0.119
ENSP00000373370	3.65E-06	-0.2018	0	0.113
ENSP00000328410	6.44E-06	-0.2018	0	0.127
ENSP00000364324	2.31E-06	-0.2018	0	0.150
ENSP00000055682	6.79E-06	-0.2018	0	0.196
ENSP00000452252	9.09E-07	-0.2018	0	0.200
ENSP00000458062	3.58E-06	-0.2019	0	0.000
ENSP00000352639	1.50E-05	-0.2019	150	0.120

ENSP00000356429	1.66E-05	-0.2019	242	0.721
ENSP00000357196	4.37E-06	-0.2020	0	0.711
ENSP00000312672	1.03E-05	-0.2020	0	0.112
ENSP00000288022	1.51E-05	-0.2020	361	0.605
ENSP00000431482	3.37E-06	-0.2021	0	0.436
ENSP00000323191	3.38E-06	-0.2022	0	0.150
ENSP00000354848	4.60E-06	-0.2022	0	0.000
ENSP00000473005	1.35E-06	-0.2023	0	0.000
ENSP00000351618	5.10E-06	-0.2024	0	0.224
ENSP00000429301	3.60E-06	-0.2024	0	0.144
ENSP00000431245	4.94E-06	-0.2024	0	0.458
ENSP00000436557	1.11E-06	-0.2024	0	0.123
ENSP00000452762	1.43E-05	-0.2024	277	0.389
ENSP00000385527	3.01E-06	-0.2024	0	0.073
ENSP00000360244	2.01E-06	-0.2024	0	0.132
ENSP00000297290	6.16E-06	-0.2025	0	0.140
ENSP00000427336	4.32E-06	-0.2025	0	0.272
ENSP00000422338	1.99E-06	-0.2025	0	0.149
ENSP00000377566	5.28E-06	-0.2026	0	0.190
ENSP00000356182	3.56E-06	-0.2026	0	0.000
ENSP00000419975	3.47E-06	-0.2026	0	0.151
ENSP00000340703	6.25E-06	-0.2027	0	0.000
ENSP00000332340	1.40E-05	-0.2029	213	0.890
ENSP00000417401	2.12E-05	-0.2029	900	0.748
ENSP00000299866	4.92E-06	-0.2030	0	0.088
ENSP00000346080	5.44E-06	-0.2030	156	0.766
ENSP00000451030	1.28E-05	-0.2030	188	0.562
ENSP00000318119	4.08E-06	-0.2030	0	0.000
ENSP00000443191	2.23E-06	-0.2030	0	0.148
ENSP00000448888	2.18E-06	-0.2030	0	0.000
ENSP00000402537	4.36E-06	-0.2030	0	0.131
ENSP00000423159	1.02E-06	-0.2031	0	0.160
ENSP00000398454	1.02E-06	-0.2031	0	0.160
ENSP00000362386	7.01E-06	-0.2031	316	0.702
ENSP00000436901	4.83E-06	-0.2031	0	0.277
ENSP00000335062	1.67E-05	-0.2031	163	0.796
ENSP00000349396	5.26E-06	-0.2032	0	0.179
ENSP00000450731	9.56E-06	-0.2032	187	0.222
ENSP00000346240	1.10E-05	-0.2032	377	0.139
ENSP00000305533	8.04E-06	-0.2032	0	0.165
ENSP00000266560	1.28E-05	-0.2033	0	0.293
ENSP00000358211	1.18E-05	-0.2033	195	0.767
ENSP00000451484	2.01E-06	-0.2033	0	0.000
ENSP00000437464	4.20E-06	-0.2033	0	0.000
ENSP00000359489	6.10E-06	-0.2033	0	0.144
ENSP00000387091	1.04E-05	-0.2034	198	0.253

ENSP00000377061	5.78E-06	-0.2034	0	0.609
ENSP00000328511	8.63E-06	-0.2034	224	0.327
ENSP00000362273	3.85E-06	-0.2034	0	0.178
ENSP00000379156	3.66E-06	-0.2035	0	0.165
ENSP00000410852	3.92E-06	-0.2035	0	0.128
ENSP00000359370	8.17E-06	-0.2035	152	0.104
ENSP00000379566	2.72E-06	-0.2035	0	0.154
ENSP00000369518	5.56E-06	-0.2036	0	0.170
ENSP00000357251	4.81E-06	-0.2036	0	0.000
ENSP00000349364	6.18E-06	-0.2036	0	0.123
ENSP00000349359	4.03E-06	-0.2036	0	0.152
ENSP00000341045	3.34E-06	-0.2036	0	0.113
ENSP00000369014	1.05E-06	-0.2037	0	0.155
ENSP00000381631	2.72E-06	-0.2037	0	0.198
ENSP00000247706	1.85E-05	-0.2037	0	0.161
ENSP00000355593	1.07E-05	-0.2037	306	0.372
ENSP00000365840	3.39E-06	-0.2037	0	0.117
ENSP00000298699	7.26E-06	-0.2038	0	0.160
ENSP00000384416	2.86E-06	-0.2038	0	0.144
ENSP00000358312	6.49E-06	-0.2038	0	0.119
ENSP00000366826	7.02E-06	-0.2038	202	0.648
ENSP00000434593	1.09E-06	-0.2039	0	0.170
ENSP00000368920	1.10E-06	-0.2039	0	0.175
ENSP00000355800	3.13E-06	-0.2039	0	0.087
ENSP00000315357	2.45E-06	-0.2040	0	0.198
ENSP00000425556	5.65E-06	-0.2040	0	0.235
ENSP00000384551	3.46E-06	-0.2041	0	0.083
ENSP00000362656	5.23E-06	-0.2041	235	0.151
ENSP00000354001	8.57E-07	-0.2042	0	0.158
ENSP00000447537	3.98E-06	-0.2042	0	0.085
ENSP00000434995	5.12E-06	-0.2042	284	0.732
ENSP00000435509	5.70E-06	-0.2043	205	0.793
ENSP00000438685	2.61E-06	-0.2043	0	0.000
ENSP00000395574	3.24E-06	-0.2043	0	0.521
ENSP00000367454	6.17E-06	-0.2043	0	0.279
ENSP00000370781	6.13E-06	-0.2043	0	0.474
ENSP00000343890	5.53E-06	-0.2043	0	0.000
ENSP00000424048	2.88E-06	-0.2043	0	0.000
ENSP00000333680	7.83E-06	-0.2044	0	0.251
ENSP00000383365	9.24E-06	-0.2044	275	0.648
ENSP00000045083	6.46E-06	-0.2044	0	0.097
ENSP00000379571	8.95E-06	-0.2044	191	0.111
ENSP00000382271	5.14E-06	-0.2045	0	0.099
ENSP00000403984	2.01E-06	-0.2046	0	0.127
ENSP00000345156	6.09E-06	-0.2046	0	0.825
ENSP00000351075	9.68E-06	-0.2047	0	0.100

ENSP00000443988	3.77E-06	-0.2047	0	0.850
ENSP00000468098	1.31E-06	-0.2047	0	0.000
ENSP00000418447	2.84E-05	-0.2047	629	0.000
ENSP00000349305	5.26E-06	-0.2048	214	0.273
ENSP00000263266	9.82E-06	-0.2048	0	0.095
ENSP00000446205	3.62E-06	-0.2048	0	0.702
ENSP00000418259	4.51E-06	-0.2048	0	0.728
ENSP00000357754	1.07E-05	-0.2048	252	0.066
ENSP00000324551	4.66E-06	-0.2048	0	0.113
ENSP00000349560	9.43E-06	-0.2049	150	0.148
ENSP00000364320	1.32E-05	-0.2049	400	0.911
ENSP00000308024	1.93E-05	-0.2049	467	0.637
ENSP00000344563	4.69E-06	-0.2050	0	0.137
ENSP00000436926	4.84E-06	-0.2050	0	0.506
ENSP00000365401	1.91E-06	-0.2050	0	0.103
ENSP00000423422	1.06E-06	-0.2050	0	0.000
ENSP00000427130	2.47E-06	-0.2051	0	0.135
ENSP00000293261	5.85E-06	-0.2051	0	0.122
ENSP00000357341	4.34E-06	-0.2051	0	0.369
ENSP00000361206	5.68E-06	-0.2051	302	0.634
ENSP00000328347	4.93E-06	-0.2051	0	0.117
ENSP00000362085	3.16E-06	-0.2051	0	0.161
ENSP00000357178	1.84E-05	-0.2051	259	0.690
ENSP00000427407	1.06E-06	-0.2051	0	0.086
ENSP00000356951	6.04E-06	-0.2052	0	0.000
ENSP00000323096	6.37E-06	-0.2052	0	0.148
ENSP00000414721	3.20E-06	-0.2052	0	0.105
ENSP00000381064	4.75E-06	-0.2052	0	0.158
ENSP00000402020	6.78E-06	-0.2053	0	0.102
ENSP00000357158	5.58E-06	-0.2054	0	0.114
ENSP00000434508	6.11E-06	-0.2054	0	0.000
ENSP00000377944	4.34E-06	-0.2055	0	0.874
ENSP00000373698	2.27E-06	-0.2056	0	0.000
ENSP00000356214	1.85E-06	-0.2056	0	0.144
ENSP00000381982	8.30E-06	-0.2057	0	0.125
ENSP00000304822	1.39E-05	-0.2057	295	0.454
ENSP00000362413	1.63E-05	-0.2057	417	0.829
ENSP00000378782	3.40E-06	-0.2057	0	0.307
ENSP00000457544	1.09E-06	-0.2058	0	0.000
ENSP00000363189	6.05E-06	-0.2058	0	0.099
ENSP00000367882	4.16E-06	-0.2058	0	0.117
ENSP00000429065	3.44E-06	-0.2058	0	0.389
ENSP00000356130	4.96E-06	-0.2059	205	0.687
ENSP00000352839	1.87E-05	-0.2059	263	0.661
ENSP00000398105	5.13E-06	-0.2059	214	0.058
ENSP00000419378	4.58E-06	-0.2059	0	0.069

ENSP00000246646	3.98E-06	-0.2059	0	0.126
ENSP00000415178	4.95E-06	-0.2059	0	0.000
ENSP00000421566	1.27E-05	-0.2059	734	0.671
ENSP00000361929	1.00E-05	-0.2060	0	0.093
ENSP00000403438	2.89E-06	-0.2060	0	0.131
ENSP00000472929	1.96E-05	-0.2060	207	0.898
ENSP00000328923	7.61E-06	-0.2060	201	0.531
ENSP00000360689	9.22E-06	-0.2060	201	0.696
ENSP00000471312	1.03E-06	-0.2060	0	0.000
ENSP00000359417	6.59E-06	-0.2061	163	0.225
ENSP00000357900	4.37E-06	-0.2061	0	0.106
ENSP00000399547	7.72E-06	-0.2061	202	0.667
ENSP00000424176	1.20E-05	-0.2062	252	0.084
ENSP00000354730	1.63E-06	-0.2062	0	0.174
ENSP00000352706	3.62E-06	-0.2062	0	0.336
ENSP00000324672	9.81E-06	-0.2062	0	0.084
ENSP00000460441	5.71E-06	-0.2063	0	0.000
ENSP00000417085	1.29E-05	-0.2063	464	0.093
ENSP00000344749	5.64E-06	-0.2063	0	0.000
ENSP00000326500	9.11E-06	-0.2063	0	0.132
ENSP00000348577	4.63E-06	-0.2064	0	0.766
ENSP00000273905	1.49E-05	-0.2064	153	0.062
ENSP00000349016	3.43E-06	-0.2064	0	0.214
ENSP00000356563	2.87E-06	-0.2064	0	0.054
ENSP00000415203	4.07E-06	-0.2064	0	0.178
ENSP00000385021	1.35E-05	-0.2064	157	0.549
ENSP00000359384	5.16E-06	-0.2064	0	0.092
ENSP00000386175	2.82E-06	-0.2065	0	0.110
ENSP00000347504	5.16E-06	-0.2065	0	0.344
ENSP00000311657	8.46E-06	-0.2065	0	0.108
ENSP00000375053	1.27E-06	-0.2065	0	0.124
ENSP00000460871	1.67E-05	-0.2065	287	0.904
ENSP00000328150	3.80E-06	-0.2065	0	0.094
ENSP00000370262	1.36E-05	-0.2066	803	0.099
ENSP00000264771	6.07E-06	-0.2067	0	0.158
ENSP00000456881	3.60E-06	-0.2067	0	0.186
ENSP00000360296	6.11E-06	-0.2067	0	0.000
ENSP00000266546	5.91E-06	-0.2067	0	0.154
ENSP00000335575	5.70E-06	-0.2068	213	0.000
ENSP00000387124	1.07E-06	-0.2068	0	0.163
ENSP00000398106	1.60E-06	-0.2068	0	0.121
ENSP00000366030	2.69E-06	-0.2068	0	0.000
ENSP00000361298	7.01E-06	-0.2068	200	0.280
ENSP00000381553	3.62E-06	-0.2069	0	0.000
ENSP00000301698	5.21E-06	-0.2069	0	0.165
ENSP00000223208	5.85E-06	-0.2069	0	0.102

ENSP00000411084	3.67E-06	-0.2070	0	0.684
ENSP00000354580	3.55E-06	-0.2070	0	0.458
ENSP00000361628	1.96E-06	-0.2071	0	0.140
ENSP00000376827	8.56E-06	-0.2071	150	0.301
ENSP00000369810	2.97E-06	-0.2072	0	0.172
ENSP00000357048	1.04E-05	-0.2072	156	0.245
ENSP00000424757	3.51E-06	-0.2073	0	0.104
ENSP00000358358	4.88E-06	-0.2074	0	0.114
ENSP00000468267	7.58E-06	-0.2074	202	0.000
ENSP00000409075	4.19E-06	-0.2075	193	0.000
ENSP00000324701	7.92E-06	-0.2075	0	0.385
ENSP00000362948	4.79E-06	-0.2075	0	0.644
ENSP00000422431	4.64E-06	-0.2075	0	0.093
ENSP00000438455	1.23E-05	-0.2076	0	0.391
ENSP00000295908	4.05E-06	-0.2076	0	0.526
ENSP00000278505	4.34E-06	-0.2076	0	0.130
ENSP00000337240	6.05E-06	-0.2076	0	0.200
ENSP00000359891	3.31E-06	-0.2077	0	0.115
ENSP00000264735	5.24E-06	-0.2077	0	0.111
ENSP00000369802	2.57E-06	-0.2077	0	0.000
ENSP00000306900	7.55E-06	-0.2077	0	0.102
ENSP00000358203	3.24E-06	-0.2077	0	0.000
ENSP00000375236	1.18E-06	-0.2077	0	0.156
ENSP00000350102	5.01E-06	-0.2078	0	0.143
ENSP00000413234	1.20E-05	-0.2078	154	0.239
ENSP00000362221	5.53E-06	-0.2078	205	0.679
ENSP00000367564	4.48E-06	-0.2078	0	0.114
ENSP00000354168	1.22E-05	-0.2078	205	0.000
ENSP00000347038	1.14E-05	-0.2078	0	0.087
ENSP00000346768	5.88E-06	-0.2079	0	0.165
ENSP00000386226	6.73E-06	-0.2079	153	0.971
ENSP00000384369	4.41E-06	-0.2079	311	0.581
ENSP00000381589	2.42E-06	-0.2079	0	0.150
ENSP00000365530	2.60E-06	-0.2080	0	0.168
ENSP00000354571	5.09E-06	-0.2080	0	0.107
ENSP00000361052	5.46E-06	-0.2080	0	0.161
ENSP00000401437	2.11E-05	-0.2081	387	0.646
ENSP00000398410	7.21E-06	-0.2082	0	0.421
ENSP00000466121	2.44E-06	-0.2082	0	0.000
ENSP00000387841	4.52E-06	-0.2082	307	0.000
ENSP00000300659	1.79E-05	-0.2082	0	0.726
ENSP00000330596	2.32E-06	-0.2082	0	0.130
ENSP00000456594	5.39E-07	-0.2083	0	0.162
ENSP00000454746	3.10E-06	-0.2083	0	0.000
ENSP00000407401	8.32E-06	-0.2083	163	0.242
ENSP00000342278	1.95E-05	-0.2083	903	0.655

ENSP00000362718	5.55E-06	-0.2084	0	0.147
ENSP00000401328	3.87E-06	-0.2084	0	0.133
ENSP00000380256	6.28E-06	-0.2085	201	0.686
ENSP00000302978	1.48E-05	-0.2085	727	0.382
ENSP00000360147	1.26E-05	-0.2085	761	0.621
ENSP00000347754	1.29E-05	-0.2085	591	0.571
ENSP00000297623	1.13E-05	-0.2085	0	0.118
ENSP00000379891	5.75E-06	-0.2086	0	0.260
ENSP00000365837	4.55E-06	-0.2086	317	0.778
ENSP00000363250	3.44E-06	-0.2086	0	0.082
ENSP00000380354	1.24E-06	-0.2086	0	0.124
ENSP00000401878	1.94E-06	-0.2086	0	0.130
ENSP00000365426	8.58E-06	-0.2086	0	0.199
ENSP00000354227	1.33E-06	-0.2087	0	0.160
ENSP00000383394	4.56E-06	-0.2087	0	0.097
ENSP00000280245	1.64E-05	-0.2087	0	0.121
ENSP00000307129	6.06E-06	-0.2087	0	0.127
ENSP00000361151	1.17E-05	-0.2088	284	0.302
ENSP00000428845	8.03E-06	-0.2088	161	0.388
ENSP00000450730	4.59E-06	-0.2088	205	0.000
ENSP00000367923	5.43E-06	-0.2089	280	0.621
ENSP00000387187	2.56E-06	-0.2089	0	0.194
ENSP00000429601	1.76E-06	-0.2089	0	0.235
ENSP00000306564	4.23E-06	-0.2089	0	0.135
ENSP00000297001	7.49E-06	-0.2089	0	0.122
ENSP00000359532	2.18E-05	-0.2089	398	0.653
ENSP00000420716	2.64E-06	-0.2089	0	0.155
ENSP00000362249	1.44E-05	-0.2089	216	0.524
ENSP00000364777	3.73E-06	-0.2090	0	0.399
ENSP00000406909	3.19E-06	-0.2090	0	0.090
ENSP00000239906	1.20E-05	-0.2090	0	0.200
ENSP00000259371	4.85E-06	-0.2091	0	0.606
ENSP00000370671	3.56E-06	-0.2091	0	0.107
ENSP00000301190	5.28E-06	-0.2091	0	0.146
ENSP00000334540	1.11E-05	-0.2092	662	0.153
ENSP00000452885	4.32E-06	-0.2092	173	0.132
ENSP00000216071	1.45E-05	-0.2093	0	0.192
ENSP00000390478	8.22E-06	-0.2093	0	0.000
ENSP00000295588	4.44E-06	-0.2093	0	0.066
ENSP00000359211	1.91E-05	-0.2093	618	0.673
ENSP00000360488	2.77E-06	-0.2093	0	0.509
ENSP00000341282	3.69E-06	-0.2093	0	0.173
ENSP00000375857	4.06E-06	-0.2093	0	0.254
ENSP00000355877	5.35E-06	-0.2093	0	0.102
ENSP00000346196	4.50E-06	-0.2094	0	0.200
ENSP00000278222	1.85E-05	-0.2094	0	0.171

ENSP00000366936	1.10E-05	-0.2094	181	0.575
ENSP00000307297	1.63E-05	-0.2094	202	0.492
ENSP00000354675	3.06E-06	-0.2094	0	0.167
ENSP00000394051	5.34E-06	-0.2095	0	0.131
ENSP00000444617	2.46E-06	-0.2095	0	0.000
ENSP00000419502	1.82E-06	-0.2095	0	0.000
ENSP00000356134	1.03E-05	-0.2095	361	0.830
ENSP00000338067	9.77E-06	-0.2096	0	0.132
ENSP00000360660	3.91E-06	-0.2096	0	0.171
ENSP00000363683	3.70E-06	-0.2096	0	0.284
ENSP00000378364	1.02E-05	-0.2097	0	0.279
ENSP00000384690	1.12E-05	-0.2097	0	0.074
ENSP00000420294	8.90E-06	-0.2097	313	0.778
ENSP00000363714	1.52E-06	-0.2098	0	0.186
ENSP00000356290	1.24E-05	-0.2098	485	0.632
ENSP00000363638	4.90E-06	-0.2098	0	0.102
ENSP00000451700	1.11E-05	-0.2098	187	0.000
ENSP00000451798	1.11E-05	-0.2098	187	0.000
ENSP00000366248	1.77E-05	-0.2099	165	0.841
ENSP00000406933	2.67E-06	-0.2099	0	0.105
ENSP00000363386	4.45E-06	-0.2099	0	0.133
ENSP00000265239	6.02E-06	-0.2100	0	0.112
ENSP00000361599	2.59E-06	-0.2100	0	0.000
ENSP00000269720	7.24E-06	-0.2100	0	0.000
ENSP00000317671	3.03E-06	-0.2100	0	0.180
ENSP00000420267	1.53E-05	-0.2101	325	0.725
ENSP00000329890	1.83E-05	-0.2101	185	0.406
ENSP00000454565	3.22E-06	-0.2101	0	0.000
ENSP00000355944	4.89E-06	-0.2101	0	0.184
ENSP00000386292	2.55E-06	-0.2102	0	0.000
ENSP00000348986	1.07E-05	-0.2102	163	0.599
ENSP00000385461	8.18E-06	-0.2102	194	0.744
ENSP00000393987	5.50E-06	-0.2102	0	0.109
ENSP00000391085	1.07E-06	-0.2103	0	0.160
ENSP00000361411	4.17E-06	-0.2103	0	0.136
ENSP00000327599	7.80E-06	-0.2104	0	0.124
ENSP00000347919	7.83E-06	-0.2104	0	0.145
ENSP00000427975	3.42E-06	-0.2105	0	0.184
ENSP00000256103	1.97E-05	-0.2106	165	0.147
ENSP00000375893	8.74E-06	-0.2106	416	0.505
ENSP00000415011	4.22E-06	-0.2106	0	0.295
ENSP00000452959	3.49E-06	-0.2106	0	0.000
ENSP00000310146	1.63E-05	-0.2107	295	0.000
ENSP00000363392	3.18E-06	-0.2107	0	0.163
ENSP00000352456	3.65E-06	-0.2108	0	0.106
ENSP00000353373	2.45E-06	-0.2108	0	0.101



ENSP00000347443	3.09E-06	-0.2108	0	0.000
ENSP00000369895	3.88E-06	-0.2108	0	0.283
ENSP00000292357	8.55E-06	-0.2108	210	0.171
ENSP00000412064	5.69E-06	-0.2110	197	0.144
ENSP00000363388	8.56E-07	-0.2110	0	0.172
ENSP00000350570	4.10E-06	-0.2110	0	0.092
ENSP00000249044	7.98E-06	-0.2111	0	0.098
ENSP00000427015	2.74E-05	-0.2111	303	0.692
ENSP00000369897	9.54E-06	-0.2111	403	0.708
ENSP00000265007	6.50E-06	-0.2111	0	0.125
ENSP00000270077	4.72E-06	-0.2111	0	0.172
ENSP00000354689	4.71E-06	-0.2112	0	0.087
ENSP00000417706	1.69E-06	-0.2112	0	0.195
ENSP00000365908	3.07E-06	-0.2112	0	0.095
ENSP00000434236	5.61E-06	-0.2113	671	0.000
ENSP00000386532	7.73E-06	-0.2114	202	0.641
ENSP00000301246	4.67E-06	-0.2114	0	0.171
ENSP00000439056	2.67E-06	-0.2114	0	0.102
ENSP00000243457	1.46E-05	-0.2114	163	0.451
ENSP00000428205	1.35E-05	-0.2114	181	0.808
ENSP00000354968	2.26E-06	-0.2114	0	0.000
ENSP00000380247	8.53E-06	-0.2115	363	0.521
ENSP00000395086	2.51E-06	-0.2115	0	0.269
ENSP00000360958	4.64E-06	-0.2115	0	0.206
ENSP00000386845	3.48E-06	-0.2115	0	0.180
ENSP00000337477	3.13E-06	-0.2115	0	0.614
ENSP00000386141	3.60E-06	-0.2115	0	0.080
ENSP00000367697	3.97E-06	-0.2115	0	0.103
ENSP00000299578	3.08E-06	-0.2115	0	0.182
ENSP00000365529	5.97E-06	-0.2116	0	0.114
ENSP00000398124	7.16E-06	-0.2116	163	0.810
ENSP00000401867	2.50E-06	-0.2116	0	0.265
ENSP00000367631	6.53E-06	-0.2116	201	0.000
ENSP00000376390	6.67E-06	-0.2116	0	0.087
ENSP00000371802	7.08E-06	-0.2116	0	0.979
ENSP00000362285	5.46E-06	-0.2117	0	0.086
ENSP00000359778	1.50E-05	-0.2117	242	0.000
ENSP00000416935	5.36E-06	-0.2117	0	0.000
ENSP00000369456	1.11E-05	-0.2118	226	0.551
ENSP00000380779	1.68E-06	-0.2118	0	0.073
ENSP00000006724	1.61E-05	-0.2118	0	0.169
ENSP00000297354	1.46E-05	-0.2119	0	0.146
ENSP00000406046	1.50E-05	-0.2119	314	0.773
ENSP00000351379	8.47E-06	-0.2119	0	0.098
ENSP00000395650	1.11E-05	-0.2119	201	0.000
ENSP00000345974	4.49E-06	-0.2119	0	0.069

ENSP00000412365	2.43E-06	-0.2119	0	0.363
ENSP00000357759	4.86E-06	-0.2120	0	0.114
ENSP00000357882	3.84E-06	-0.2120	0	0.083
ENSP00000351346	6.48E-06	-0.2120	163	0.197
ENSP00000343676	8.86E-06	-0.2120	217	0.355
ENSP00000392812	3.75E-06	-0.2120	0	0.716
ENSP00000370200	3.26E-06	-0.2120	0	0.512
ENSP00000373413	2.21E-06	-0.2121	0	0.092
ENSP00000345044	4.82E-06	-0.2121	0	0.122
ENSP00000375476	8.77E-07	-0.2121	0	0.146
ENSP00000366493	1.02E-05	-0.2121	208	0.559
ENSP00000371220	2.09E-06	-0.2121	0	0.000
ENSP00000216268	3.87E-06	-0.2122	0	0.187
ENSP00000386488	4.06E-06	-0.2122	0	0.598
ENSP00000378313	2.69E-06	-0.2122	0	0.243
ENSP00000449960	4.35E-06	-0.2123	0	0.109
ENSP00000345494	8.23E-06	-0.2123	0	0.339
ENSP00000367794	4.17E-06	-0.2123	0	0.144
ENSP00000320509	6.27E-06	-0.2124	0	0.424
ENSP00000354204	2.82E-06	-0.2124	0	0.164
ENSP00000342118	3.18E-06	-0.2124	0	0.098
ENSP00000367792	4.87E-06	-0.2125	0	0.090
ENSP00000356607	5.70E-06	-0.2125	0	0.092
ENSP00000417214	6.81E-06	-0.2125	0	0.187
ENSP00000246081	1.41E-05	-0.2125	0	0.136
ENSP00000362139	4.87E-06	-0.2125	205	0.674
ENSP00000232854	1.00E-05	-0.2125	313	0.588
ENSP00000358595	8.83E-06	-0.2126	0	0.487
ENSP00000445077	4.81E-06	-0.2126	226	0.000
ENSP00000286808	3.94E-06	-0.2126	0	0.124
ENSP00000363575	2.63E-06	-0.2126	0	0.000
ENSP00000360515	4.12E-06	-0.2126	0	0.874
ENSP00000302319	8.11E-06	-0.2127	0	0.186
ENSP00000397002	6.06E-06	-0.2127	0	0.122
ENSP00000238508	9.88E-06	-0.2127	0	0.318
ENSP00000340271	3.70E-06	-0.2127	0	0.000
ENSP00000349971	1.02E-05	-0.2127	0	0.198
ENSP00000323087	7.97E-06	-0.2127	0	0.184
ENSP00000385422	8.92E-06	-0.2128	150	0.243
ENSP00000386385	2.67E-06	-0.2128	0	0.090
ENSP00000382204	2.29E-06	-0.2128	0	0.570
ENSP00000362546	2.66E-06	-0.2129	0	0.147
ENSP00000376758	2.51E-06	-0.2129	0	0.483
ENSP00000357122	3.07E-06	-0.2130	0	0.128
ENSP00000335623	6.44E-06	-0.2130	0	0.162
ENSP00000327509	3.72E-06	-0.2130	0	0.113

ENSP00000378166	4.09E-06	-0.2130	0	0.164
ENSP00000349142	7.46E-06	-0.2131	343	0.496
ENSP00000398729	4.14E-06	-0.2131	0	0.000
ENSP00000454770	7.51E-06	-0.2131	202	0.675
ENSP00000355444	9.82E-07	-0.2131	0	0.173
ENSP00000379441	2.72E-06	-0.2131	0	0.421
ENSP00000465204	2.49E-06	-0.2131	0	0.144
ENSP00000425679	1.24E-06	-0.2132	0	0.000
ENSP00000349654	1.03E-05	-0.2132	211	0.298
ENSP00000366240	6.10E-06	-0.2133	0	0.104
ENSP00000367228	4.03E-06	-0.2134	0	0.000
ENSP00000369411	5.16E-06	-0.2134	201	0.716
ENSP00000386239	7.35E-06	-0.2134	202	0.645
ENSP00000386531	2.80E-06	-0.2134	0	0.054
ENSP00000367815	2.39E-06	-0.2134	0	0.056
ENSP00000359904	5.23E-06	-0.2134	0	0.130
ENSP00000358423	6.26E-06	-0.2134	0	0.428
ENSP00000371364	3.00E-06	-0.2134	0	0.141
ENSP00000360803	6.60E-06	-0.2135	363	0.102
ENSP00000381340	1.36E-05	-0.2135	900	0.246
ENSP00000335382	1.85E-06	-0.2135	0	0.119
ENSP00000387851	8.94E-07	-0.2136	0	0.000
ENSP00000359307	2.62E-06	-0.2136	0	0.000
ENSP00000345895	3.66E-06	-0.2136	0	0.531
ENSP00000366863	1.04E-05	-0.2136	215	0.569
ENSP00000346536	4.91E-07	-0.2137	0	0.143
ENSP00000417806	1.82E-06	-0.2137	0	0.144
ENSP00000346335	4.03E-06	-0.2137	0	0.275
ENSP00000423822	1.14E-05	-0.2137	208	0.188
ENSP00000335320	1.17E-05	-0.2137	172	0.752
ENSP00000394472	2.41E-06	-0.2137	0	0.172
ENSP00000386163	1.72E-06	-0.2138	0	0.000
ENSP00000316740	1.85E-06	-0.2138	0	0.128
ENSP00000420608	3.90E-06	-0.2139	0	0.118
ENSP00000451253	1.13E-05	-0.2139	187	0.000
ENSP00000370912	5.34E-06	-0.2139	205	0.677
ENSP00000359982	3.41E-06	-0.2139	0	0.107
ENSP00000420840	4.43E-06	-0.2139	0	0.095
ENSP00000385927	4.47E-06	-0.2140	0	0.095
ENSP00000378441	4.86E-06	-0.2140	0	0.094
ENSP00000441032	2.86E-06	-0.2140	0	0.105
ENSP00000290552	4.68E-06	-0.2140	0	0.815
ENSP00000353518	1.24E-05	-0.2140	201	0.642
ENSP00000381097	1.17E-05	-0.2141	206	0.671
ENSP00000253801	1.31E-05	-0.2141	163	0.317
ENSP00000273610	1.28E-05	-0.2141	0	0.334

ENSP00000314914	1.10E-05	-0.2142	0	0.133
ENSP00000346103	8.82E-06	-0.2142	235	0.313
ENSP00000358060	4.74E-06	-0.2142	405	0.710
ENSP00000372857	1.75E-06	-0.2142	0	0.149
ENSP00000365301	5.54E-06	-0.2143	0	0.883
ENSP00000301917	3.05E-06	-0.2143	0	0.205
ENSP00000357080	2.34E-06	-0.2144	0	0.151
ENSP00000395259	7.04E-06	-0.2144	165	0.000
ENSP00000468633	1.63E-05	-0.2144	332	0.463
ENSP00000413493	9.62E-06	-0.2144	201	0.566
ENSP00000412436	7.19E-07	-0.2144	0	0.202
ENSP00000361025	3.84E-06	-0.2145	0	0.000
ENSP00000240619	2.70E-06	-0.2145	0	0.143
ENSP00000456200	1.44E-06	-0.2146	0	0.054
ENSP00000354778	6.18E-06	-0.2146	0	0.267
ENSP00000411010	4.85E-06	-0.2147	0	0.788
ENSP00000402595	2.72E-06	-0.2147	0	0.244
ENSP00000367360	4.18E-06	-0.2148	0	0.103
ENSP00000470441	2.20E-08	-0.2148	0	0.000
ENSP00000380321	8.77E-06	-0.2148	358	0.220
ENSP00000418734	1.46E-05	-0.2148	186	0.831
ENSP00000371152	7.96E-06	-0.2148	154	0.137
ENSP00000360891	8.86E-06	-0.2148	333	0.710
ENSP00000348283	5.15E-06	-0.2148	0	0.482
ENSP00000379680	5.12E-06	-0.2148	0	0.154
ENSP00000282641	6.67E-06	-0.2149	0	0.263
ENSP00000158009	7.63E-06	-0.2149	0	0.182
ENSP00000361900	7.42E-06	-0.2149	338	0.707
ENSP00000384524	5.01E-06	-0.2149	0	0.782
ENSP00000354590	2.71E-06	-0.2150	0	0.125
ENSP00000414964	6.94E-06	-0.2151	0	0.095
ENSP00000386499	2.16E-07	-0.2151	0	0.000
ENSP00000367727	2.38E-06	-0.2151	0	0.086
ENSP00000358919	7.98E-06	-0.2151	240	0.205
ENSP00000419901	4.65E-06	-0.2152	0	0.103
ENSP00000330433	1.31E-05	-0.2152	457	0.127
ENSP00000375413	3.21E-06	-0.2152	0	0.000
ENSP00000354876	1.10E-05	-0.2152	232	0.534
ENSP00000346693	6.45E-06	-0.2153	0	0.389
ENSP00000405533	8.09E-06	-0.2153	197	0.000
ENSP00000417654	2.23E-06	-0.2153	0	0.072
ENSP00000369045	5.40E-06	-0.2153	0	0.088
ENSP00000348657	3.03E-06	-0.2154	0	0.378
ENSP00000354900	8.50E-06	-0.2154	0	0.544
ENSP00000411514	1.85E-06	-0.2154	0	0.140
ENSP00000354733	6.08E-06	-0.2154	0	0.140

ENSP00000229563	8.05E-06	-0.2154	0	0.114
ENSP00000372093	5.07E-06	-0.2154	0	0.543
ENSP00000316532	2.47E-06	-0.2155	0	0.138
ENSP00000365477	4.76E-06	-0.2155	0	0.133
ENSP00000368304	2.61E-06	-0.2155	0	0.138
ENSP00000339971	3.94E-06	-0.2155	0	0.121
ENSP00000228515	4.04E-06	-0.2156	0	0.095
ENSP00000359345	1.28E-05	-0.2156	335	0.000
ENSP00000363435	1.17E-05	-0.2156	328	0.762
ENSP00000379034	3.43E-06	-0.2157	0	0.090
ENSP00000431040	5.96E-06	-0.2157	265	0.731
ENSP00000369038	1.15E-05	-0.2157	344	0.702
ENSP00000359729	3.81E-06	-0.2158	0	0.122
ENSP00000356842	6.32E-06	-0.2158	0	0.116
ENSP00000293274	7.89E-06	-0.2158	0	0.000
ENSP00000423897	2.89E-06	-0.2159	0	0.154
ENSP00000367453	4.00E-06	-0.2159	0	0.143
ENSP00000359682	6.64E-06	-0.2159	0	0.292
ENSP00000404381	5.69E-06	-0.2159	862	0.290
ENSP00000356329	5.44E-06	-0.2160	0	0.133
ENSP00000387683	2.68E-06	-0.2160	0	0.070
ENSP00000359988	3.57E-06	-0.2160	0	0.818
ENSP00000376204	1.57E-05	-0.2160	616	0.000
ENSP00000436005	3.77E-06	-0.2160	0	0.162
ENSP00000361650	3.20E-06	-0.2161	0	0.106
ENSP00000341819	1.29E-05	-0.2161	489	0.185
ENSP00000327557	1.53E-05	-0.2161	201	0.000
ENSP00000302951	5.49E-06	-0.2162	0	0.288
ENSP00000401450	6.37E-06	-0.2162	173	0.000
ENSP00000385551	9.01E-06	-0.2162	207	0.871
ENSP00000450811	2.35E-06	-0.2162	0	0.000
ENSP00000280057	4.46E-06	-0.2163	0	0.135
ENSP00000298527	1.23E-05	-0.2163	325	0.300
ENSP00000384291	3.24E-06	-0.2163	0	0.121
ENSP00000386738	3.39E-06	-0.2163	0	0.156
ENSP00000378588	3.87E-06	-0.2163	0	0.586
ENSP00000345575	5.71E-06	-0.2164	870	0.292
ENSP00000371051	4.47E-06	-0.2164	0	0.093
ENSP00000362208	5.60E-06	-0.2164	359	0.808
ENSP00000398803	5.36E-06	-0.2164	198	0.183
ENSP00000429633	1.85E-05	-0.2165	277	0.000
ENSP00000453129	1.00E-05	-0.2165	157	0.202
ENSP00000363654	2.03E-06	-0.2165	0	0.121
ENSP00000368869	2.30E-06	-0.2165	0	0.144
ENSP00000420333	1.84E-06	-0.2166	0	0.098
ENSP00000328083	4.04E-06	-0.2166	0	0.128

ENSP00000258662	1.31E-05	-0.2167	195	0.114
ENSP00000376162	3.45E-06	-0.2167	0	0.398
ENSP00000354293	3.12E-06	-0.2167	0	0.000
ENSP00000372126	4.35E-06	-0.2167	0	0.113
ENSP00000384182	1.65E-06	-0.2167	0	0.154
ENSP00000358232	4.55E-06	-0.2168	0	0.150
ENSP00000289707	1.17E-05	-0.2168	0	0.153
ENSP00000355870	3.51E-06	-0.2169	0	0.830
ENSP00000386538	1.80E-06	-0.2169	0	0.109
ENSP00000403802	2.53E-06	-0.2169	0	0.113
ENSP00000426638	3.46E-06	-0.2169	0	0.234
ENSP00000335392	2.43E-06	-0.2169	0	0.103
ENSP00000348752	5.81E-06	-0.2170	0	0.137
ENSP00000406037	1.94E-05	-0.2170	320	0.000
ENSP00000365167	2.59E-06	-0.2170	0	0.000
ENSP00000457168	2.92E-06	-0.2170	0	0.108
ENSP00000350050	2.67E-06	-0.2170	0	0.112
ENSP00000359401	3.60E-06	-0.2170	0	0.116
ENSP00000263084	8.21E-06	-0.2170	0	0.241
ENSP00000359333	4.81E-06	-0.2171	0	0.135
ENSP00000358309	8.70E-06	-0.2171	205	0.675
ENSP00000248643	4.03E-06	-0.2171	0	0.000
ENSP00000295201	3.98E-06	-0.2171	0	0.072
ENSP00000302938	1.34E-05	-0.2171	0	0.103
ENSP00000375829	7.57E-06	-0.2171	216	0.486
ENSP00000344936	9.85E-06	-0.2171	0	0.640
ENSP00000428338	9.32E-07	-0.2172	0	0.101
ENSP00000378733	4.60E-06	-0.2172	0	0.167
ENSP00000270452	8.89E-06	-0.2172	0	0.179
ENSP00000333593	4.52E-06	-0.2172	0	0.133
ENSP00000369604	1.79E-06	-0.2173	0	0.150
ENSP00000413632	4.93E-06	-0.2173	0	0.642
ENSP00000452085	1.70E-05	-0.2173	330	0.000
ENSP00000344909	4.33E-06	-0.2173	0	0.108
ENSP00000265529	1.15E-05	-0.2175	720	0.170
ENSP00000420443	4.73E-06	-0.2175	0	0.136
ENSP00000360874	7.17E-06	-0.2175	316	0.703
ENSP00000357393	1.32E-05	-0.2175	191	0.737
ENSP00000253262	1.13E-05	-0.2176	0	0.000
ENSP00000361646	3.56E-06	-0.2176	0	0.112
ENSP00000450399	2.67E-05	-0.2176	323	0.540
ENSP00000411012	2.88E-06	-0.2176	0	0.106
ENSP00000384222	3.18E-06	-0.2176	0	0.298
ENSP00000261047	1.58E-05	-0.2177	483	0.288
ENSP00000345359	5.67E-06	-0.2178	0	0.124
ENSP00000345193	6.12E-06	-0.2178	255	0.677

ENSP00000322097	6.23E-06	-0.2178	0	0.104
ENSP00000349640	3.40E-06	-0.2178	0	0.740
ENSP00000293303	3.05E-06	-0.2178	0	0.079
ENSP00000354958	9.53E-06	-0.2179	0	0.139
ENSP00000384604	5.17E-06	-0.2179	0	0.101
ENSP00000418667	3.49E-06	-0.2179	0	0.134
ENSP00000468007	9.39E-07	-0.2180	0	0.159
ENSP00000381567	4.56E-06	-0.2180	0	0.411
ENSP00000354945	3.03E-06	-0.2181	0	0.000
ENSP00000359512	6.08E-06	-0.2181	0	0.162
ENSP00000364370	3.52E-06	-0.2182	0	0.097
ENSP00000415890	3.61E-06	-0.2183	0	0.120
ENSP00000418210	1.43E-05	-0.2183	0	0.249
ENSP00000470087	1.34E-05	-0.2183	229	0.000
ENSP00000361199	3.40E-06	-0.2183	0	0.124
ENSP00000359224	2.42E-06	-0.2183	0	0.169
ENSP00000380880	3.00E-06	-0.2184	0	0.135
ENSP00000315098	8.75E-06	-0.2184	206	0.060
ENSP00000318077	1.11E-05	-0.2184	212	0.411
ENSP00000436897	2.51E-06	-0.2184	0	0.146
ENSP00000354718	8.27E-06	-0.2185	150	0.656
ENSP00000372059	7.09E-06	-0.2185	0	0.148
ENSP00000390084	2.54E-06	-0.2185	0	0.070
ENSP00000387617	7.15E-07	-0.2186	0	0.106
ENSP00000377696	5.02E-06	-0.2186	0	0.211
ENSP00000335306	4.51E-06	-0.2186	0	0.338
ENSP00000312706	5.63E-06	-0.2186	0	0.074
ENSP00000293604	9.87E-06	-0.2186	0	0.224
ENSP00000373734	3.06E-06	-0.2187	0	0.084
ENSP00000364512	3.44E-06	-0.2188	0	0.299
ENSP00000421489	1.95E-06	-0.2188	0	0.144
ENSP00000405963	3.61E-06	-0.2189	0	0.625
ENSP00000338964	1.45E-05	-0.2189	900	0.284
ENSP00000297866	4.43E-06	-0.2190	0	0.000
ENSP00000411418	4.91E-06	-0.2190	0	0.082
ENSP00000349856	2.38E-06	-0.2191	0	0.176
ENSP00000297323	5.59E-06	-0.2191	0	0.636
ENSP00000424151	2.76E-06	-0.2192	0	0.125
ENSP00000396615	5.61E-06	-0.2192	0	0.081
ENSP00000378857	3.20E-06	-0.2194	0	0.720
ENSP00000389998	9.54E-06	-0.2194	576	0.258
ENSP00000333441	8.14E-06	-0.2194	0	0.518
ENSP00000386869	2.88E-06	-0.2194	0	0.436
ENSP00000371345	6.01E-06	-0.2194	340	0.149
ENSP00000328992	3.04E-06	-0.2195	0	0.296
ENSP00000266688	1.41E-05	-0.2195	160	0.000

ENSP00000355720	2.97E-06	-0.2196	0	0.546
ENSP00000401859	1.93E-06	-0.2196	0	0.000
ENSP00000369979	1.22E-05	-0.2196	152	0.132
ENSP00000360360	1.96E-06	-0.2196	0	0.166
ENSP00000464814	9.54E-06	-0.2196	414	0.481
ENSP00000356991	4.32E-06	-0.2196	0	0.084
ENSP00000311712	1.31E-05	-0.2197	235	0.121
ENSP00000328149	4.58E-06	-0.2197	0	0.137
ENSP00000374507	3.46E-06	-0.2197	0	0.135
ENSP00000433816	6.79E-08	-0.2197	0	0.215
ENSP00000381489	6.41E-07	-0.2197	0	0.167
ENSP00000419325	1.12E-05	-0.2198	471	0.689
ENSP00000360773	7.24E-06	-0.2198	0	0.154
ENSP00000332454	1.26E-05	-0.2199	375	0.715
ENSP00000384288	5.47E-06	-0.2200	0	0.000
ENSP00000343799	4.04E-06	-0.2200	0	0.145
ENSP00000329553	1.30E-05	-0.2200	246	0.264
ENSP00000365625	1.60E-05	-0.2200	299	0.938
ENSP00000266542	9.83E-06	-0.2200	0	0.115
ENSP00000398789	3.02E-06	-0.2201	0	0.091
ENSP00000416125	1.57E-06	-0.2201	0	0.141
ENSP00000359799	9.91E-06	-0.2202	914	0.367
ENSP00000375986	5.72E-06	-0.2202	0	0.628
ENSP00000376333	4.06E-06	-0.2202	0	0.182
ENSP00000376443	3.63E-06	-0.2202	0	0.100
ENSP00000354415	8.24E-06	-0.2202	0	0.300
ENSP00000365172	2.50E-06	-0.2202	0	0.093
ENSP00000342991	4.16E-06	-0.2202	0	0.162
ENSP00000259365	1.40E-05	-0.2203	904	0.233
ENSP00000321179	3.74E-06	-0.2203	0	0.146
ENSP00000334866	4.11E-06	-0.2203	0	0.129
ENSP00000439594	3.71E-06	-0.2203	0	0.000
ENSP00000308699	3.75E-06	-0.2203	0	0.000
ENSP00000409315	1.16E-06	-0.2204	0	0.237
ENSP00000356189	6.33E-06	-0.2204	0	0.123
ENSP00000311257	5.05E-06	-0.2205	0	0.104
ENSP00000380378	1.76E-05	-0.2205	198	0.753
ENSP00000382777	2.59E-06	-0.2205	0	0.117
ENSP00000364902	9.62E-06	-0.2205	319	0.389
ENSP00000349297	4.76E-06	-0.2205	0	0.475
ENSP00000381473	2.38E-06	-0.2206	0	0.142
ENSP00000379739	3.50E-06	-0.2207	0	0.206
ENSP00000370557	2.76E-06	-0.2207	0	0.395
ENSP00000366800	5.35E-06	-0.2207	776	0.243
ENSP00000453502	2.48E-06	-0.2208	0	0.077
ENSP00000325618	8.43E-06	-0.2208	0	0.255



ENSP00000339251	1.25E-05	-0.2209	0	0.131
ENSP00000381480	3.32E-06	-0.2209	0	0.086
ENSP00000388107	2.67E-05	-0.2210	285	0.826
ENSP00000381605	2.09E-06	-0.2210	0	0.133
ENSP00000342570	5.55E-06	-0.2210	0	0.121
ENSP00000384474	3.65E-06	-0.2211	0	0.313
ENSP00000349727	5.40E-06	-0.2211	0	0.688
ENSP00000357012	3.85E-06	-0.2211	0	0.697
ENSP00000363676	9.55E-06	-0.2212	406	0.819
ENSP00000432481	3.92E-06	-0.2212	0	0.078
ENSP00000385142	8.58E-06	-0.2212	197	0.341
ENSP00000359783	4.01E-06	-0.2212	0	0.276
ENSP00000353465	4.24E-06	-0.2212	0	0.097
ENSP00000461295	2.50E-06	-0.2213	0	0.000
ENSP00000316842	9.51E-06	-0.2213	181	0.749
ENSP00000386200	8.49E-06	-0.2214	207	0.000
ENSP00000360215	9.33E-06	-0.2214	210	0.499
ENSP00000270593	6.55E-06	-0.2214	0	0.148
ENSP00000334186	1.14E-05	-0.2214	438	0.416
ENSP00000424400	2.30E-06	-0.2215	0	0.105
ENSP00000349270	4.27E-06	-0.2215	0	0.198
ENSP00000466680	2.29E-05	-0.2215	211	0.601
ENSP00000368528	2.36E-06	-0.2215	0	0.104
ENSP00000379834	1.07E-05	-0.2215	157	0.392
ENSP00000405514	4.96E-06	-0.2216	0	0.224
ENSP00000430497	4.70E-06	-0.2216	0	0.562
ENSP00000374135	8.69E-06	-0.2216	359	0.633
ENSP00000380597	1.21E-05	-0.2216	336	0.000
ENSP00000294889	2.10E-06	-0.2217	0	0.144
ENSP00000345826	3.98E-06	-0.2218	0	0.099
ENSP00000361602	3.18E-06	-0.2218	0	0.286
ENSP00000370297	5.19E-06	-0.2218	0	0.785
ENSP00000380184	4.50E-06	-0.2219	0	0.000
ENSP00000346550	8.12E-06	-0.2220	164	0.365
ENSP00000360021	4.13E-06	-0.2220	0	0.444
ENSP00000366953	1.90E-06	-0.2221	0	0.109
ENSP00000352270	7.27E-06	-0.2221	0	0.091
ENSP00000369531	5.59E-06	-0.2221	183	0.707
ENSP00000385576	6.72E-06	-0.2222	157	0.105
ENSP00000374237	3.38E-06	-0.2223	0	0.101
ENSP00000417161	1.35E-05	-0.2223	256	0.165
ENSP00000251776	1.48E-05	-0.2223	0	0.152
ENSP00000389087	3.70E-06	-0.2223	0	0.073
ENSP00000246070	1.32E-05	-0.2223	0	0.142
ENSP00000357762	4.16E-06	-0.2224	0	0.000
ENSP00000285013	2.40E-06	-0.2224	0	0.135

ENSP00000325954	8.83E-06	-0.2224	0	0.113
ENSP00000447731	2.78E-06	-0.2225	0	0.086
ENSP00000368688	2.36E-06	-0.2226	0	0.105
ENSP00000430897	1.89E-06	-0.2226	0	0.128
ENSP00000355902	4.11E-06	-0.2226	0	0.098
ENSP00000358062	3.57E-06	-0.2226	0	0.108
ENSP00000349365	4.48E-06	-0.2227	0	0.479
ENSP00000377980	6.44E-06	-0.2227	0	0.082
ENSP00000398064	4.02E-06	-0.2228	0	0.096
ENSP00000358019	2.60E-06	-0.2228	0	0.388
ENSP00000307636	8.41E-06	-0.2229	0	0.193
ENSP00000368799	3.06E-06	-0.2229	0	0.158
ENSP00000353048	3.53E-06	-0.2229	0	0.645
ENSP00000362936	7.02E-06	-0.2229	0	0.951
ENSP00000368858	2.61E-06	-0.2229	0	0.121
ENSP00000357072	3.43E-06	-0.2230	0	0.144
ENSP00000301031	3.67E-06	-0.2230	0	0.000
ENSP00000357772	3.93E-06	-0.2230	0	0.138
ENSP00000262074	9.05E-06	-0.2231	0	0.109
ENSP00000357150	1.09E-05	-0.2231	207	0.464
ENSP00000358272	2.08E-06	-0.2231	0	0.113
ENSP00000377047	1.42E-05	-0.2231	223	0.772
ENSP00000375478	5.29E-06	-0.2232	0	0.076
ENSP00000374323	5.06E-06	-0.2232	205	0.674
ENSP00000455643	4.80E-06	-0.2232	200	0.153
ENSP00000361932	1.01E-05	-0.2232	185	0.101
ENSP00000297784	4.99E-06	-0.2232	0	0.164
ENSP00000424077	1.86E-06	-0.2232	0	0.583
ENSP00000418112	9.25E-06	-0.2233	270	0.738
ENSP00000350881	2.85E-06	-0.2233	0	0.119
ENSP00000270642	8.50E-06	-0.2234	0	0.162
ENSP00000363478	3.25E-06	-0.2234	0	0.104
ENSP00000390423	2.34E-06	-0.2235	0	0.068
ENSP00000441024	3.82E-06	-0.2235	0	0.000
ENSP00000345868	4.37E-06	-0.2235	0	0.107
ENSP00000286732	3.47E-06	-0.2236	0	0.000
ENSP00000350036	3.45E-06	-0.2237	0	0.694
ENSP00000457512	1.71E-06	-0.2237	0	0.000
ENSP00000408464	8.35E-06	-0.2237	177	0.341
ENSP00000383737	2.80E-06	-0.2237	0	0.073
ENSP00000360371	4.97E-06	-0.2237	0	0.547
ENSP00000249079	1.47E-05	-0.2238	0	0.150
ENSP00000364721	4.67E-06	-0.2238	0	0.333
ENSP00000391942	4.33E-06	-0.2238	0	0.123
ENSP00000376506	4.30E-06	-0.2239	0	0.382
ENSP00000384164	4.96E-06	-0.2239	0	0.192

ENSP00000402239	3.56E-06	-0.2239	0	0.111
ENSP00000401362	1.96E-06	-0.2239	0	0.120
ENSP00000453969	2.78E-06	-0.2239	0	0.161
ENSP00000389140	1.16E-05	-0.2239	190	0.609
ENSP00000361180	2.86E-06	-0.2240	0	0.577
ENSP00000363384	5.73E-06	-0.2240	0	0.839
ENSP00000350265	9.26E-06	-0.2240	169	0.170
ENSP00000448012	1.52E-05	-0.2240	359	0.297
ENSP00000426159	8.77E-07	-0.2241	0	0.163
ENSP00000244296	2.41E-06	-0.2241	0	0.124
ENSP00000342931	5.80E-06	-0.2242	0	0.853
ENSP00000369434	6.57E-06	-0.2242	202	0.638
ENSP00000397598	4.53E-06	-0.2242	0	0.296
ENSP00000404438	1.49E-06	-0.2242	0	0.361
ENSP00000343656	8.51E-06	-0.2242	157	0.275
ENSP00000393559	5.98E-06	-0.2242	0	0.080
ENSP00000405482	3.98E-06	-0.2243	0	0.103
ENSP00000370546	3.57E-06	-0.2243	0	0.051
ENSP00000272907	1.49E-05	-0.2243	0	0.151
ENSP00000368517	3.43E-06	-0.2244	0	0.111
ENSP00000385000	4.77E-06	-0.2244	0	0.222
ENSP00000392262	1.94E-05	-0.2244	261	0.661
ENSP00000416696	4.14E-06	-0.2245	0	0.000
ENSP00000333374	5.12E-06	-0.2246	0	0.066
ENSP00000272164	1.46E-05	-0.2247	677	0.934
ENSP00000306407	5.74E-06	-0.2247	0	0.102
ENSP00000458307	1.37E-05	-0.2247	900	0.272
ENSP00000391596	3.47E-06	-0.2247	0	0.144
ENSP00000451131	7.53E-06	-0.2248	316	0.702
ENSP00000286733	1.53E-05	-0.2248	349	0.184
ENSP00000321386	4.39E-06	-0.2248	0	0.117
ENSP00000470240	1.41E-06	-0.2248	0	0.000
ENSP00000381666	4.12E-06	-0.2249	0	0.092
ENSP00000341206	1.68E-05	-0.2249	459	0.049
ENSP00000385616	3.98E-06	-0.2249	0	0.324
ENSP00000380109	7.45E-06	-0.2249	202	0.691
ENSP00000361397	1.42E-06	-0.2250	0	0.000
ENSP00000359759	1.69E-06	-0.2250	0	0.000
ENSP00000382688	1.32E-05	-0.2250	270	0.000
ENSP00000341051	1.22E-05	-0.2252	176	0.104
ENSP00000387928	2.58E-06	-0.2252	0	0.000
ENSP00000403760	2.10E-06	-0.2252	0	0.594
ENSP00000414558	5.09E-06	-0.2253	0	0.174
ENSP00000354739	4.43E-06	-0.2253	421	0.804
ENSP00000450436	5.01E-06	-0.2253	159	0.191
ENSP00000389585	1.13E-05	-0.2253	187	0.000

ENSP00000299492	1.23E-05	-0.2253	182	0.121
ENSP00000363092	1.77E-05	-0.2253	587	0.634
ENSP00000360992	3.77E-06	-0.2254	0	0.325
ENSP00000300961	4.58E-06	-0.2254	0	0.101
ENSP00000387266	1.29E-05	-0.2255	0	0.157
ENSP00000362863	3.59E-06	-0.2255	0	0.111
ENSP00000423463	8.77E-06	-0.2255	0	0.377
ENSP00000348129	9.03E-06	-0.2255	242	0.000
ENSP00000422375	3.24E-06	-0.2255	0	0.174
ENSP00000384081	4.40E-06	-0.2256	0	0.107
ENSP00000369407	2.89E-06	-0.2256	0	0.084
ENSP00000307954	5.41E-06	-0.2257	0	0.167
ENSP00000345243	6.40E-06	-0.2257	0	0.208
ENSP00000434655	3.14E-06	-0.2257	0	0.108
ENSP00000351155	4.92E-06	-0.2257	0	0.085
ENSP00000380702	1.98E-06	-0.2258	0	0.317
ENSP00000321242	8.55E-06	-0.2259	0	0.167
ENSP00000367486	5.34E-06	-0.2260	0	0.097
ENSP00000415434	2.69E-06	-0.2260	0	0.160
ENSP00000297819	4.89E-06	-0.2260	0	0.183
ENSP00000366342	1.19E-06	-0.2260	0	0.000
ENSP00000258180	1.46E-05	-0.2261	152	0.070
ENSP00000357167	9.24E-06	-0.2261	0	0.119
ENSP00000397773	2.60E-06	-0.2262	0	0.106
ENSP00000355880	2.86E-06	-0.2262	0	0.050
ENSP00000350704	4.07E-06	-0.2262	0	0.130
ENSP00000369465	7.47E-06	-0.2263	900	0.143
ENSP00000349543	3.90E-06	-0.2263	0	0.183
ENSP00000377862	1.59E-05	-0.2263	173	0.743
ENSP00000338171	9.18E-06	-0.2263	0	0.389
ENSP00000239451	5.69E-06	-0.2263	0	0.074
ENSP00000368699	3.47E-05	-0.2263	366	0.675
ENSP00000353699	3.49E-06	-0.2263	0	0.097
ENSP00000347277	1.88E-06	-0.2263	0	0.370
ENSP00000450337	2.33E-06	-0.2263	0	0.099
ENSP00000426906	4.06E-06	-0.2263	158	0.000
ENSP00000259988	7.16E-06	-0.2263	0	0.000
ENSP00000348849	5.64E-06	-0.2264	198	0.781
ENSP00000354782	8.51E-06	-0.2264	195	0.743
ENSP00000364567	3.35E-06	-0.2264	0	0.145
ENSP00000456927	1.88E-06	-0.2264	0	0.153
ENSP00000412178	3.05E-06	-0.2265	0	0.145
ENSP00000420487	4.36E-06	-0.2265	0	0.271
ENSP00000407193	4.50E-06	-0.2265	0	0.082
ENSP00000426234	2.90E-06	-0.2265	0	0.000
ENSP00000433433	3.91E-06	-0.2266	0	0.194

ENSP00000402698	3.10E-06	-0.2266	0	0.000
ENSP00000450244	3.45E-06	-0.2267	0	0.414
ENSP00000470381	3.05E-06	-0.2267	0	0.702
ENSP00000353259	4.23E-06	-0.2268	0	0.115
ENSP00000335384	4.77E-06	-0.2268	0	0.092
ENSP00000383295	2.87E-06	-0.2268	0	0.078
ENSP00000348554	1.65E-05	-0.2268	0	0.505
ENSP00000324274	3.63E-06	-0.2269	0	0.217
ENSP00000330877	1.03E-05	-0.2269	0	0.000
ENSP00000333627	6.32E-06	-0.2269	0	0.000
ENSP00000305766	1.29E-05	-0.2270	181	0.136
ENSP00000356230	5.27E-06	-0.2270	0	0.386
ENSP00000355932	3.46E-06	-0.2271	0	0.199
ENSP00000356436	9.78E-06	-0.2271	597	0.523
ENSP00000343087	3.43E-06	-0.2271	0	0.102
ENSP00000238044	3.93E-06	-0.2272	0	0.089
ENSP00000419786	4.63E-06	-0.2272	0	0.135
ENSP00000333737	4.93E-06	-0.2272	0	0.100
ENSP00000354152	4.93E-06	-0.2273	200	0.170
ENSP00000268595	1.20E-05	-0.2273	0	0.115
ENSP00000381436	3.33E-06	-0.2273	0	0.133
ENSP00000373808	4.02E-06	-0.2273	0	0.154
ENSP00000360323	1.98E-06	-0.2273	0	0.155
ENSP00000368411	3.92E-06	-0.2273	0	0.148
ENSP00000396160	1.35E-06	-0.2273	0	0.225
ENSP00000302297	6.54E-06	-0.2274	0	0.147
ENSP00000301831	7.91E-06	-0.2274	193	0.139
ENSP00000344545	3.09E-06	-0.2274	0	0.123
ENSP00000318445	1.41E-05	-0.2274	900	0.000
ENSP00000380942	1.43E-05	-0.2275	205	0.696
ENSP00000358798	6.92E-06	-0.2275	0	0.149
ENSP00000330375	9.30E-06	-0.2275	198	0.207
ENSP00000304331	4.59E-06	-0.2276	0	0.799
ENSP00000381594	3.17E-06	-0.2276	0	0.123
ENSP00000336887	3.33E-06	-0.2276	0	0.084
ENSP00000016913	1.24E-05	-0.2277	0	0.216
ENSP00000359050	3.09E-06	-0.2277	0	0.110
ENSP00000334044	1.71E-05	-0.2277	295	0.653
ENSP00000382250	5.44E-06	-0.2277	340	0.640
ENSP00000355028	6.89E-06	-0.2278	0	0.322
ENSP00000295992	6.60E-06	-0.2278	0	0.141
ENSP00000323872	5.16E-06	-0.2278	0	0.096
ENSP00000445859	6.05E-06	-0.2279	154	0.113
ENSP00000219301	1.46E-05	-0.2279	0	0.139
ENSP00000358430	1.15E-05	-0.2280	292	0.113
ENSP00000369959	2.45E-06	-0.2280	0	0.201

ENSP00000319062	1.08E-05	-0.2280	345	0.260
ENSP00000278520	3.51E-06	-0.2281	0	0.181
ENSP00000380494	9.77E-06	-0.2281	197	0.000
ENSP00000368981	3.12E-06	-0.2281	0	0.057
ENSP00000349456	5.13E-06	-0.2281	0	0.118
ENSP00000310031	8.27E-06	-0.2281	0	0.000
ENSP00000378897	3.06E-06	-0.2281	0	0.071
ENSP00000388275	4.59E-06	-0.2282	0	0.133
ENSP00000351520	4.58E-06	-0.2282	0	0.099
ENSP00000377796	3.73E-06	-0.2282	0	0.088
ENSP00000353203	6.45E-06	-0.2282	0	0.116
ENSP00000370761	4.56E-06	-0.2282	0	0.161
ENSP00000422644	3.10E-06	-0.2282	0	0.086
ENSP00000332455	1.74E-05	-0.2282	183	0.726
ENSP00000342169	4.13E-06	-0.2282	0	0.115
ENSP00000232744	1.55E-05	-0.2283	201	0.639
ENSP00000226460	1.04E-05	-0.2283	0	0.118
ENSP00000376553	5.01E-06	-0.2283	0	0.108
ENSP00000377910	4.72E-06	-0.2283	0	0.000
ENSP00000357823	2.35E-06	-0.2284	0	0.498
ENSP00000329137	5.92E-06	-0.2284	0	0.075
ENSP00000338648	1.52E-05	-0.2285	240	0.155
ENSP00000354632	7.25E-06	-0.2285	244	0.604
ENSP00000361170	5.13E-06	-0.2285	198	0.604
ENSP00000373937	3.87E-06	-0.2286	0	0.310
ENSP00000357292	9.60E-06	-0.2286	631	0.721
ENSP00000302046	9.43E-06	-0.2286	0	0.109
ENSP00000378288	1.32E-05	-0.2286	167	0.657
ENSP00000355827	1.76E-06	-0.2286	0	0.176
ENSP00000412060	1.69E-06	-0.2287	0	0.089
ENSP00000361616	2.89E-06	-0.2287	0	0.093
ENSP00000339484	1.65E-05	-0.2287	318	0.659
ENSP00000358955	3.35E-06	-0.2287	0	0.153
ENSP00000364126	5.56E-06	-0.2288	156	0.441
ENSP00000365175	3.76E-06	-0.2288	0	0.230
ENSP00000434385	4.89E-06	-0.2288	0	0.312
ENSP00000192314	1.15E-05	-0.2288	0	0.102
ENSP00000367848	3.70E-06	-0.2288	0	0.320
ENSP00000281416	3.61E-06	-0.2289	0	0.078
ENSP00000350402	8.89E-06	-0.2289	0	0.089
ENSP00000386121	3.89E-06	-0.2289	0	0.082
ENSP00000349891	7.96E-06	-0.2289	202	0.674
ENSP00000345571	4.94E-06	-0.2289	0	0.792
ENSP00000436500	1.93E-06	-0.2290	0	0.111
ENSP00000369042	9.88E-06	-0.2290	418	0.000
ENSP00000430271	3.04E-06	-0.2291	0	0.336

ENSP00000303042	3.63E-06	-0.2291	0	0.069
ENSP00000371054	3.36E-06	-0.2291	0	0.146
ENSP00000398177	6.76E-06	-0.2292	227	0.000
ENSP00000347324	6.83E-06	-0.2292	189	0.060
ENSP00000385741	2.17E-06	-0.2293	0	0.149
ENSP00000404179	4.14E-06	-0.2294	0	0.404
ENSP00000349205	7.91E-06	-0.2294	0	0.257
ENSP00000225550	4.45E-06	-0.2294	0	0.151
ENSP00000350844	1.87E-05	-0.2294	212	0.867
ENSP00000340776	2.27E-06	-0.2294	0	0.128
ENSP00000379888	5.59E-06	-0.2295	214	0.912
ENSP00000307461	7.32E-06	-0.2295	0	0.085
ENSP00000364464	1.28E-05	-0.2295	271	0.281
ENSP00000335040	6.69E-06	-0.2296	0	0.142
ENSP00000382392	1.66E-05	-0.2296	325	0.900
ENSP00000302648	1.51E-05	-0.2296	187	0.630
ENSP00000328307	4.44E-06	-0.2296	0	0.153
ENSP00000362682	3.70E-06	-0.2296	0	0.142
ENSP00000400099	1.68E-06	-0.2297	0	0.124
ENSP00000440765	1.64E-06	-0.2297	0	0.117
ENSP00000321962	8.66E-06	-0.2297	0	0.122
ENSP00000358541	3.65E-06	-0.2298	0	0.163
ENSP00000414202	3.13E-06	-0.2298	0	0.296
ENSP00000401980	3.97E-06	-0.2298	0	0.634
ENSP00000355675	5.28E-06	-0.2298	0	0.317
ENSP00000310814	4.69E-06	-0.2298	0	0.098
ENSP00000331625	5.96E-06	-0.2299	0	0.000
ENSP00000364815	1.52E-05	-0.2299	588	0.694
ENSP00000335565	2.98E-06	-0.2299	0	0.083
ENSP00000436049	3.44E-06	-0.2300	0	0.788
ENSP00000355587	3.29E-06	-0.2300	0	0.270
ENSP00000375248	1.31E-06	-0.2300	0	0.370
ENSP00000328998	5.13E-06	-0.2301	0	0.068
ENSP00000355991	5.21E-06	-0.2301	0	0.163
ENSP00000355614	4.51E-06	-0.2302	0	0.131
ENSP00000357588	2.46E-06	-0.2302	0	0.150
ENSP00000356058	7.48E-06	-0.2302	0	0.000
ENSP00000400376	1.37E-05	-0.2302	675	0.412
ENSP00000354774	5.57E-06	-0.2303	0	0.106
ENSP00000454591	1.39E-06	-0.2303	0	0.000
ENSP00000297107	4.28E-06	-0.2303	0	0.136
ENSP00000264819	4.15E-06	-0.2304	0	0.136
ENSP00000313088	4.61E-06	-0.2304	0	0.076
ENSP00000407763	2.60E-06	-0.2304	0	0.171
ENSP00000386348	5.01E-06	-0.2304	0	0.136
ENSP00000472710	1.78E-06	-0.2305	0	0.000

ENSP00000345216	3.93E-06	-0.2306	0	0.074
ENSP00000366690	2.52E-06	-0.2306	0	0.083
ENSP00000357480	4.75E-06	-0.2306	0	0.373
ENSP00000351737	1.79E-06	-0.2307	0	0.107
ENSP00000454303	2.89E-06	-0.2307	0	0.359
ENSP00000417176	4.80E-06	-0.2307	0	0.236
ENSP00000359098	1.84E-06	-0.2307	0	0.128
ENSP00000368732	2.79E-06	-0.2308	0	0.000
ENSP00000390500	8.11E-06	-0.2308	520	0.653
ENSP00000414237	1.99E-06	-0.2308	0	0.140
ENSP00000343348	3.74E-06	-0.2308	0	0.098
ENSP00000344866	3.26E-06	-0.2309	0	0.122
ENSP00000398391	3.94E-06	-0.2309	0	0.000
ENSP00000296657	3.80E-06	-0.2310	0	0.167
ENSP00000321038	4.76E-06	-0.2311	0	0.129
ENSP00000369863	3.00E-06	-0.2311	0	0.122
ENSP00000377265	5.42E-06	-0.2312	0	0.752
ENSP00000370215	2.78E-06	-0.2312	0	0.373
ENSP00000304032	4.47E-06	-0.2312	0	0.124
ENSP00000356444	3.66E-06	-0.2312	0	0.164
ENSP00000352319	5.36E-06	-0.2313	0	0.116
ENSP00000371451	4.98E-06	-0.2313	329	0.276
ENSP00000450924	3.60E-06	-0.2313	0	0.000
ENSP00000356071	4.62E-06	-0.2314	175	0.080
ENSP00000400895	3.54E-06	-0.2314	0	0.099
ENSP00000441823	4.29E-06	-0.2314	0	0.743
ENSP00000399696	6.90E-06	-0.2315	0	0.000
ENSP00000347802	7.76E-06	-0.2316	201	0.614
ENSP00000361276	3.61E-06	-0.2316	0	0.115
ENSP00000351318	4.81E-06	-0.2317	0	0.111
ENSP00000251691	4.47E-06	-0.2317	0	0.000
ENSP00000388431	4.93E-06	-0.2317	0	0.123
ENSP00000372576	3.72E-06	-0.2317	0	0.110
ENSP00000332823	1.35E-05	-0.2317	0	0.666
ENSP00000365830	8.30E-06	-0.2317	202	0.644
ENSP00000371505	4.93E-06	-0.2318	0	0.403
ENSP00000353270	3.32E-06	-0.2318	0	0.103
ENSP00000355162	2.64E-06	-0.2318	0	0.156
ENSP00000373964	1.55E-05	-0.2318	338	0.382
ENSP00000256039	1.16E-05	-0.2318	0	0.165
ENSP00000354086	3.30E-06	-0.2319	0	0.228
ENSP00000349124	3.60E-06	-0.2321	0	0.241
ENSP00000303779	1.02E-05	-0.2321	0	0.000
ENSP00000324763	1.49E-05	-0.2321	163	0.092
ENSP00000315070	5.96E-06	-0.2321	0	0.106
ENSP00000373300	3.22E-06	-0.2321	0	0.063



ENSP00000264968	7.22E-06	-0.2322	0	0.100
ENSP00000330269	5.48E-06	-0.2322	0	0.119
ENSP00000459356	1.20E-06	-0.2322	0	0.000
ENSP00000383226	1.81E-06	-0.2322	0	0.108
ENSP00000396068	3.81E-06	-0.2322	0	0.203
ENSP00000385903	1.90E-06	-0.2322	0	0.088
ENSP00000365844	3.50E-06	-0.2323	0	0.115
ENSP00000362836	3.56E-06	-0.2323	0	0.135
ENSP00000414390	5.09E-06	-0.2324	0	0.112
ENSP00000357892	7.17E-06	-0.2324	0	0.131
ENSP00000358563	1.37E-05	-0.2324	443	0.907
ENSP00000370719	1.34E-05	-0.2325	199	0.579
ENSP00000416050	3.67E-06	-0.2325	0	0.118
ENSP00000331086	5.52E-06	-0.2325	0	0.107
ENSP00000367125	4.28E-06	-0.2326	0	0.133
ENSP00000359174	4.85E-06	-0.2326	0	0.059
ENSP00000376776	7.81E-06	-0.2326	195	0.622
ENSP00000452844	1.05E-06	-0.2326	0	0.000
ENSP00000263284	2.61E-06	-0.2326	0	0.000
ENSP00000369473	6.23E-06	-0.2326	0	0.099
ENSP00000397911	2.06E-06	-0.2326	0	0.373
ENSP00000440374	9.21E-06	-0.2326	150	0.147
ENSP00000232519	5.14E-06	-0.2327	0	0.114
ENSP00000264257	1.08E-05	-0.2327	0	0.217
ENSP00000308873	6.38E-06	-0.2327	0	0.115
ENSP00000275988	9.99E-06	-0.2327	0	0.322
ENSP00000357768	4.34E-06	-0.2328	0	0.134
ENSP00000359115	1.44E-06	-0.2329	0	0.140
ENSP00000312272	2.43E-06	-0.2329	0	0.154
ENSP00000382269	4.55E-06	-0.2329	0	0.434
ENSP00000371388	3.13E-06	-0.2330	0	0.098
ENSP00000365486	4.99E-06	-0.2330	0	0.089
ENSP00000389543	2.82E-06	-0.2330	0	0.000
ENSP00000331298	7.43E-06	-0.2331	0	0.117
ENSP00000379203	2.87E-06	-0.2331	0	0.120
ENSP00000344420	7.41E-06	-0.2331	0	0.197
ENSP00000301272	8.75E-06	-0.2332	0	0.190
ENSP00000384198	3.10E-06	-0.2332	0	0.435
ENSP00000469716	1.80E-06	-0.2333	0	0.000
ENSP00000373420	1.65E-06	-0.2333	0	0.097
ENSP00000338228	5.15E-06	-0.2333	0	0.074
ENSP00000375387	5.29E-06	-0.2333	0	0.000
ENSP00000442046	1.56E-05	-0.2333	800	0.703
ENSP00000396627	7.28E-06	-0.2334	0	0.000
ENSP00000272521	2.48E-06	-0.2334	0	0.159
ENSP00000334798	2.27E-06	-0.2334	0	0.147

ENSP00000453573	1.02E-06	-0.2334	0	0.000
ENSP00000379500	1.05E-05	-0.2335	329	0.652
ENSP00000448219	2.18E-06	-0.2335	0	0.112
ENSP00000378324	8.09E-06	-0.2335	934	0.440
ENSP00000390849	7.42E-06	-0.2336	175	0.409
ENSP00000417656	2.15E-06	-0.2336	0	0.162
ENSP00000308976	6.25E-06	-0.2336	0	0.068
ENSP00000416558	2.79E-06	-0.2336	0	0.161
ENSP00000420616	3.18E-06	-0.2336	0	0.806
ENSP00000409267	1.73E-05	-0.2337	153	0.000
ENSP00000331746	1.46E-05	-0.2337	0	0.573
ENSP00000359305	2.30E-06	-0.2337	0	0.124
ENSP00000368612	2.02E-06	-0.2337	0	0.085
ENSP00000363317	1.09E-05	-0.2337	272	0.305
ENSP00000320634	1.17E-05	-0.2338	173	0.051
ENSP00000426528	4.05E-06	-0.2338	0	0.081
ENSP00000362991	3.21E-06	-0.2338	0	0.069
ENSP00000403117	5.28E-06	-0.2338	0	0.036
ENSP00000351856	7.70E-06	-0.2339	201	0.608
ENSP00000221954	1.51E-05	-0.2339	0	0.198
ENSP00000420714	4.16E-06	-0.2340	0	0.639
ENSP00000311184	7.42E-06	-0.2340	0	0.106
ENSP00000399637	1.16E-06	-0.2340	0	0.000
ENSP00000413496	1.13E-05	-0.2340	157	0.898
ENSP00000407323	1.38E-05	-0.2340	330	0.913
ENSP00000305596	3.13E-06	-0.2340	0	0.135
ENSP00000431603	5.69E-06	-0.2340	0	0.771
ENSP00000360782	7.17E-06	-0.2341	198	0.348
ENSP00000306459	4.37E-06	-0.2341	0	0.073
ENSP00000350874	3.13E-06	-0.2341	0	0.084
ENSP00000331643	4.16E-06	-0.2342	0	0.134
ENSP00000296121	2.20E-06	-0.2342	0	0.159
ENSP00000468308	3.76E-06	-0.2343	0	0.123
ENSP00000354313	3.99E-06	-0.2343	0	0.100
ENSP00000254250	5.20E-06	-0.2344	0	0.343
ENSP00000360065	4.27E-06	-0.2345	0	0.118
ENSP00000346954	3.79E-06	-0.2345	0	0.142
ENSP00000354583	2.71E-06	-0.2346	0	0.122
ENSP00000259392	1.13E-05	-0.2346	0	0.078
ENSP00000435342	2.54E-06	-0.2346	0	0.303
ENSP00000377369	1.67E-06	-0.2346	0	0.000
ENSP00000418194	6.00E-06	-0.2347	0	0.224
ENSP00000328118	1.29E-05	-0.2347	318	0.317
ENSP00000401770	3.13E-06	-0.2347	0	0.092
ENSP00000390630	1.62E-06	-0.2347	0	0.110
ENSP00000397394	2.36E-06	-0.2348	0	0.131

ENSP00000389009	4.77E-06	-0.2348	0	0.417
ENSP00000378812	3.68E-06	-0.2348	0	0.150
ENSP00000360797	1.17E-05	-0.2348	256	0.702
ENSP00000425955	1.97E-06	-0.2348	0	0.601
ENSP00000380858	4.64E-06	-0.2348	0	0.000
ENSP00000360676	3.94E-06	-0.2349	0	0.249
ENSP00000316845	6.67E-06	-0.2349	0	0.631
ENSP00000375087	1.63E-06	-0.2349	0	0.142
ENSP00000375220	1.88E-06	-0.2349	0	0.160
ENSP00000363338	1.28E-05	-0.2349	209	0.351
ENSP00000363394	6.19E-06	-0.2350	0	0.083
ENSP00000373586	1.91E-06	-0.2350	0	0.139
ENSP00000351132	4.46E-06	-0.2351	0	0.196
ENSP00000367029	3.40E-06	-0.2352	0	0.834
ENSP00000356256	6.42E-06	-0.2352	231	0.197
ENSP00000300175	7.82E-06	-0.2352	0	0.294
ENSP00000374565	3.52E-06	-0.2352	0	0.108
ENSP00000385899	6.32E-06	-0.2352	0	0.108
ENSP00000347301	2.04E-06	-0.2352	0	0.142
ENSP00000383672	9.13E-06	-0.2352	214	0.000
ENSP00000427264	1.96E-06	-0.2352	0	0.597
ENSP00000423503	1.96E-06	-0.2352	0	0.597
ENSP00000425582	1.96E-06	-0.2352	0	0.597
ENSP00000463847	4.14E-06	-0.2353	297	0.837
ENSP00000457904	9.03E-07	-0.2353	0	0.160
ENSP00000366565	3.25E-06	-0.2354	0	0.092
ENSP00000427926	2.23E-05	-0.2354	204	0.567
ENSP00000360498	3.54E-06	-0.2354	0	0.292
ENSP00000284776	3.86E-06	-0.2354	0	0.201
ENSP00000345849	1.10E-05	-0.2355	254	0.063
ENSP00000351790	4.05E-06	-0.2355	0	0.318
ENSP00000376421	5.19E-06	-0.2355	0	0.184
ENSP00000354929	3.93E-06	-0.2355	0	0.069
ENSP00000440190	2.48E-06	-0.2355	0	0.657
ENSP00000407552	8.83E-06	-0.2355	177	0.456
ENSP00000344095	2.52E-06	-0.2355	0	0.149
ENSP00000422621	1.96E-06	-0.2356	0	0.597
ENSP00000422216	1.96E-06	-0.2356	0	0.597
ENSP00000379802	6.42E-06	-0.2356	0	0.182
ENSP00000366144	3.56E-06	-0.2356	0	0.600
ENSP00000411409	3.59E-06	-0.2356	0	0.297
ENSP00000406209	3.77E-06	-0.2356	0	0.289
ENSP00000250366	8.59E-06	-0.2356	0	0.000
ENSP00000359892	6.82E-06	-0.2356	0	0.110
ENSP00000368496	4.58E-06	-0.2357	0	0.126
ENSP00000340568	5.72E-06	-0.2357	0	0.178

ENSP00000355529	4.90E-06	-0.2357	0	0.082
ENSP00000457733	5.55E-06	-0.2358	0	0.130
ENSP00000283946	4.64E-06	-0.2358	0	0.171
ENSP00000428765	9.85E-06	-0.2358	0	0.063
ENSP00000311648	4.66E-06	-0.2359	0	0.043
ENSP00000386609	2.93E-06	-0.2359	0	0.073
ENSP00000373411	2.29E-06	-0.2359	0	0.134
ENSP00000392936	2.62E-06	-0.2359	0	0.432
ENSP00000370003	9.71E-06	-0.2361	198	0.617
ENSP00000343331	5.41E-06	-0.2361	0	0.161
ENSP00000383392	1.93E-06	-0.2362	0	0.150
ENSP00000346874	4.08E-06	-0.2362	0	0.074
ENSP00000311153	2.90E-06	-0.2362	0	0.000
ENSP00000370744	9.83E-06	-0.2362	313	0.532
ENSP00000331500	7.29E-06	-0.2363	0	0.091
ENSP00000359127	4.80E-06	-0.2363	174	0.787
ENSP00000296882	3.86E-06	-0.2364	0	0.106
ENSP00000374562	2.11E-06	-0.2364	0	0.156
ENSP00000414922	5.00E-06	-0.2364	0	0.150
ENSP00000289373	8.84E-06	-0.2365	0	0.195
ENSP00000356121	1.74E-06	-0.2365	0	0.138
ENSP00000361776	4.95E-06	-0.2365	0	0.182
ENSP00000430269	1.33E-05	-0.2365	293	0.344
ENSP00000463094	3.07E-06	-0.2366	0	0.086
ENSP00000416289	3.48E-06	-0.2367	0	0.121
ENSP00000327889	3.50E-06	-0.2367	0	0.188
ENSP00000366234	6.36E-06	-0.2367	0	0.529
ENSP00000341128	3.71E-06	-0.2368	0	0.097
ENSP00000359520	3.09E-06	-0.2369	0	0.078
ENSP00000378784	3.70E-06	-0.2369	0	0.815
ENSP00000357218	5.65E-06	-0.2369	192	0.253
ENSP00000321360	7.16E-06	-0.2370	0	0.157
ENSP00000375956	7.04E-06	-0.2370	0	0.841
ENSP00000356272	2.63E-06	-0.2370	0	0.120
ENSP00000363522	1.96E-06	-0.2370	0	0.099
ENSP00000349970	3.08E-06	-0.2370	0	0.118
ENSP00000305334	6.45E-06	-0.2371	0	0.116
ENSP00000332062	5.28E-06	-0.2371	0	0.082
ENSP00000322108	4.25E-06	-0.2371	0	0.112
ENSP00000355470	6.59E-06	-0.2371	0	0.263
ENSP00000453042	3.60E-06	-0.2371	0	0.000
ENSP00000280571	1.10E-05	-0.2371	0	0.109
ENSP00000462795	3.52E-06	-0.2372	0	0.000
ENSP00000423665	2.42E-05	-0.2372	221	0.000
ENSP00000376403	4.01E-06	-0.2372	0	0.110
ENSP00000317595	5.03E-06	-0.2372	0	0.122

ENSP00000333358	4.27E-06	-0.2373	0	0.105
ENSP00000360045	3.67E-06	-0.2373	0	0.122
ENSP00000374390	1.40E-05	-0.2374	330	0.914
ENSP00000369899	4.22E-06	-0.2375	0	0.457
ENSP00000387365	1.41E-05	-0.2375	591	0.877
ENSP00000361005	5.10E-06	-0.2375	0	0.174
ENSP00000286349	3.23E-06	-0.2375	0	0.095
ENSP00000322832	9.76E-06	-0.2376	0	0.140
ENSP00000343279	4.23E-06	-0.2376	0	0.263
ENSP00000403459	9.16E-06	-0.2376	0	0.805
ENSP00000318674	5.24E-06	-0.2377	0	0.181
ENSP00000328069	8.41E-06	-0.2377	0	0.109
ENSP00000449334	1.49E-06	-0.2377	0	0.000
ENSP00000449223	1.49E-06	-0.2377	0	0.000
ENSP00000357036	2.65E-06	-0.2377	0	0.267
ENSP00000388550	3.86E-06	-0.2377	0	0.239
ENSP00000364515	1.68E-06	-0.2377	0	0.095
ENSP00000382770	1.34E-05	-0.2377	701	0.243
ENSP00000291672	3.58E-06	-0.2377	0	0.139
ENSP00000362195	5.33E-06	-0.2378	0	0.790
ENSP00000365678	5.28E-06	-0.2378	0	0.085
ENSP00000351813	3.67E-06	-0.2378	0	0.094
ENSP00000352904	2.36E-06	-0.2378	0	0.104
ENSP00000326018	1.12E-05	-0.2378	0	0.106
ENSP00000307801	5.40E-06	-0.2378	0	0.128
ENSP00000438970	7.12E-07	-0.2379	0	0.000
ENSP00000361275	6.72E-06	-0.2379	191	0.502
ENSP00000351147	5.51E-06	-0.2379	0	0.121
ENSP00000468367	1.60E-05	-0.2379	401	0.235
ENSP00000433757	4.93E-06	-0.2380	671	0.208
ENSP00000270560	2.65E-05	-0.2380	0	0.453
ENSP00000362562	2.18E-06	-0.2380	0	0.152
ENSP00000456850	2.73E-06	-0.2380	0	0.100
ENSP00000360828	1.42E-05	-0.2381	313	0.931
ENSP00000360642	2.80E-06	-0.2381	0	0.078
ENSP00000399235	1.33E-06	-0.2382	0	0.000
ENSP00000451812	2.34E-06	-0.2383	0	0.533
ENSP00000291823	6.19E-06	-0.2383	189	0.674
ENSP00000362268	2.25E-06	-0.2383	0	0.079
ENSP00000351536	5.54E-06	-0.2383	0	0.086
ENSP00000356988	5.74E-06	-0.2383	212	0.230
ENSP00000309521	5.96E-06	-0.2384	0	0.129
ENSP00000362507	3.21E-06	-0.2384	0	0.111
ENSP00000366083	1.70E-06	-0.2385	0	0.000
ENSP00000416126	2.61E-06	-0.2385	0	0.086
ENSP00000357706	2.59E-06	-0.2385	0	0.168

ENSP00000293756	6.81E-06	-0.2385	0	0.071
ENSP00000349770	1.16E-05	-0.2385	912	0.820
ENSP00000359505	1.82E-06	-0.2386	0	0.000
ENSP00000327386	7.98E-06	-0.2386	0	0.133
ENSP00000374219	5.68E-06	-0.2386	248	0.548
ENSP00000370196	2.60E-06	-0.2386	0	0.059
ENSP00000371144	3.68E-06	-0.2386	0	0.000
ENSP00000371117	3.68E-06	-0.2386	0	0.186
ENSP00000344403	6.32E-06	-0.2387	0	0.122
ENSP00000248089	5.80E-06	-0.2387	0	0.177
ENSP00000369141	5.76E-06	-0.2387	196	0.509
ENSP00000391524	2.01E-06	-0.2388	0	0.132
ENSP00000419512	3.74E-06	-0.2388	0	0.000
ENSP00000362329	6.20E-06	-0.2388	162	0.762
ENSP00000392204	3.65E-07	-0.2389	0	0.160
ENSP00000363349	3.80E-06	-0.2389	0	0.137
ENSP00000429931	1.55E-05	-0.2390	262	0.846
ENSP00000365570	2.05E-06	-0.2390	0	0.000
ENSP00000433919	6.11E-06	-0.2390	416	0.464
ENSP00000265720	1.34E-05	-0.2390	241	0.612
ENSP00000457868	1.10E-05	-0.2390	201	0.632
ENSP00000455507	1.60E-05	-0.2391	220	0.642
ENSP00000375237	1.93E-06	-0.2391	0	0.154
ENSP00000316496	1.07E-05	-0.2392	0	0.181
ENSP00000424707	1.36E-06	-0.2392	0	0.159
ENSP00000379691	3.87E-06	-0.2392	0	0.112
ENSP00000310585	1.30E-05	-0.2392	193	0.200
ENSP00000291495	1.66E-05	-0.2392	284	0.198
ENSP00000415822	3.62E-06	-0.2393	0	0.377
ENSP00000432816	4.27E-06	-0.2393	0	0.358
ENSP00000371471	5.25E-06	-0.2393	0	0.462
ENSP00000351327	6.75E-06	-0.2393	0	0.310
ENSP00000347834	4.02E-06	-0.2394	0	0.337
ENSP00000365782	5.85E-06	-0.2394	0	0.093
ENSP00000408236	4.20E-06	-0.2394	0	0.201
ENSP00000423115	2.03E-06	-0.2394	0	0.595
ENSP00000352424	2.06E-05	-0.2395	0	0.709
ENSP00000419000	5.46E-06	-0.2396	0	0.102
ENSP00000281146	4.73E-06	-0.2396	0	0.133
ENSP00000334289	1.95E-06	-0.2396	0	0.227
ENSP00000410621	2.08E-06	-0.2396	0	0.601
ENSP00000293826	7.78E-06	-0.2396	0	0.126
ENSP00000367879	1.26E-05	-0.2396	0	0.167
ENSP00000239444	1.20E-05	-0.2397	0	0.130
ENSP00000417132	7.73E-06	-0.2397	209	0.682
ENSP00000355735	3.24E-06	-0.2397	0	0.000

ENSP00000400880	2.14E-06	-0.2397	0	0.601
ENSP00000442464	6.14E-06	-0.2398	360	0.164
ENSP00000390759	2.18E-06	-0.2398	0	0.000
ENSP00000352219	6.58E-06	-0.2398	362	0.603
ENSP00000307722	7.31E-06	-0.2398	0	0.000
ENSP00000446058	1.51E-06	-0.2398	0	0.108
ENSP00000362092	3.11E-06	-0.2398	0	0.426
ENSP00000225873	5.46E-06	-0.2398	0	0.075
ENSP00000420176	4.83E-06	-0.2399	0	0.781
ENSP00000353292	7.44E-06	-0.2399	384	0.403
ENSP00000383505	4.93E-06	-0.2399	0	0.086
ENSP00000409256	1.46E-06	-0.2399	0	0.000
ENSP00000444052	9.48E-06	-0.2400	0	0.078
ENSP00000454670	5.03E-06	-0.2400	183	0.092
ENSP00000365643	8.89E-06	-0.2400	0	0.286
ENSP00000412324	9.41E-06	-0.2400	0	0.568
ENSP00000352962	2.84E-06	-0.2401	0	0.000
ENSP00000294829	4.23E-06	-0.2401	0	0.114
ENSP00000364749	6.91E-06	-0.2401	448	0.595
ENSP00000455298	9.48E-07	-0.2401	0	0.152
ENSP00000418741	4.96E-06	-0.2401	0	0.080
ENSP00000328977	4.73E-06	-0.2402	0	0.099
ENSP00000468678	5.72E-06	-0.2402	0	0.126
ENSP00000365926	6.74E-06	-0.2402	287	0.275
ENSP00000438949	2.56E-06	-0.2402	0	0.292
ENSP00000241041	6.77E-06	-0.2402	0	0.051
ENSP00000341803	1.10E-05	-0.2402	0	0.084
ENSP00000386878	2.09E-06	-0.2403	0	0.117
ENSP00000376848	2.99E-06	-0.2403	0	0.078
ENSP00000375232	1.82E-06	-0.2403	0	0.139
ENSP00000352603	5.18E-06	-0.2403	0	0.166
ENSP00000378161	2.07E-06	-0.2403	0	0.114
ENSP00000320886	9.53E-06	-0.2403	390	0.293
ENSP00000356579	3.67E-06	-0.2403	0	0.058
ENSP00000376794	2.36E-06	-0.2403	0	0.140
ENSP00000288048	2.46E-06	-0.2404	0	0.000
ENSP00000242249	1.88E-05	-0.2405	0	0.105
ENSP00000451263	5.28E-06	-0.2405	205	0.683
ENSP00000462701	3.85E-06	-0.2405	0	0.208
ENSP00000386711	2.37E-06	-0.2405	0	0.096
ENSP00000449770	1.47E-05	-0.2405	230	0.905
ENSP00000350447	2.18E-06	-0.2406	0	0.269
ENSP00000325296	1.32E-05	-0.2406	202	0.204
ENSP00000361926	3.23E-06	-0.2407	0	0.073
ENSP00000348959	3.99E-06	-0.2407	0	0.132
ENSP00000465894	2.66E-06	-0.2407	0	0.077

ENSP00000297459	3.50E-06	-0.2407	0	0.105
ENSP00000399668	1.62E-05	-0.2408	153	0.000
ENSP00000451995	1.08E-05	-0.2408	187	0.000
ENSP00000386971	7.74E-06	-0.2408	201	0.000
ENSP00000348602	6.62E-06	-0.2408	150	0.477
ENSP00000389760	3.65E-06	-0.2408	0	0.128
ENSP00000338613	6.85E-06	-0.2409	0	0.131
ENSP00000310841	4.46E-06	-0.2409	0	0.105
ENSP00000402355	1.21E-06	-0.2409	0	0.118
ENSP00000356218	4.89E-06	-0.2409	193	0.331
ENSP00000348593	4.51E-06	-0.2410	0	0.000
ENSP00000389443	2.17E-06	-0.2410	0	0.597
ENSP00000367130	3.74E-06	-0.2410	0	0.337
ENSP00000304811	4.81E-06	-0.2410	0	0.210
ENSP00000374592	7.20E-06	-0.2412	487	0.000
ENSP00000361331	2.84E-06	-0.2412	0	0.175
ENSP00000389913	3.02E-06	-0.2413	0	0.108
ENSP00000355752	1.35E-06	-0.2414	0	0.096
ENSP00000263863	1.57E-05	-0.2414	202	0.563
ENSP00000264728	9.87E-06	-0.2414	0	0.095
ENSP00000352676	3.45E-06	-0.2414	0	0.303
ENSP00000347839	3.77E-06	-0.2415	0	0.155
ENSP00000371101	7.54E-06	-0.2415	0	0.832
ENSP00000382610	6.22E-06	-0.2415	202	0.633
ENSP00000400592	3.57E-06	-0.2415	0	0.000
ENSP00000395249	2.55E-06	-0.2415	0	0.088
ENSP00000321464	7.95E-06	-0.2415	0	0.188
ENSP00000471653	6.45E-07	-0.2416	0	0.000
ENSP00000361755	3.36E-06	-0.2417	0	0.200
ENSP00000320520	1.94E-06	-0.2417	0	0.000
ENSP00000397239	6.56E-06	-0.2417	163	0.000
ENSP00000364591	1.64E-05	-0.2418	153	0.000
ENSP00000318912	6.10E-06	-0.2418	0	0.119
ENSP00000384887	3.15E-06	-0.2420	0	0.144
ENSP00000353742	2.54E-06	-0.2420	0	0.117
ENSP00000370697	3.21E-06	-0.2420	0	0.410
ENSP00000310829	7.70E-06	-0.2420	0	0.000
ENSP00000414904	3.48E-06	-0.2420	0	0.093
ENSP00000333823	1.65E-05	-0.2421	0	0.000
ENSP00000362873	1.88E-06	-0.2421	0	0.226
ENSP00000287275	1.28E-05	-0.2421	0	0.217
ENSP00000370057	2.00E-06	-0.2421	0	0.105
ENSP00000349954	1.15E-05	-0.2421	208	0.554
ENSP00000379154	2.31E-06	-0.2421	0	0.076
ENSP00000341141	5.20E-06	-0.2421	0	0.391
ENSP00000362588	4.52E-06	-0.2422	0	0.821



ENSP00000369618	1.81E-06	-0.2422	0	0.123
ENSP00000312286	8.05E-06	-0.2422	0	0.300
ENSP00000351885	8.86E-06	-0.2422	163	0.810
ENSP00000262138	3.23E-06	-0.2422	0	0.124
ENSP00000318158	4.31E-06	-0.2423	0	0.400
ENSP00000278826	7.05E-06	-0.2424	0	0.179
ENSP00000361413	3.76E-06	-0.2424	0	0.211
ENSP00000423067	1.17E-05	-0.2424	260	0.833
ENSP00000417182	1.20E-06	-0.2424	0	0.097
ENSP00000358241	6.96E-06	-0.2424	0	0.000
ENSP00000359507	3.61E-06	-0.2425	0	0.110
ENSP00000332805	3.86E-06	-0.2426	0	0.112
ENSP00000386657	9.03E-07	-0.2426	0	0.000
ENSP00000380793	4.84E-06	-0.2427	0	0.222
ENSP00000440273	2.26E-06	-0.2427	0	0.265
ENSP00000328336	2.58E-06	-0.2427	0	0.115
ENSP00000326407	8.04E-06	-0.2427	0	0.121
ENSP00000318395	7.81E-06	-0.2427	0	0.000
ENSP00000420127	7.23E-06	-0.2428	161	0.196
ENSP00000386264	2.08E-06	-0.2428	0	0.097
ENSP00000353114	8.77E-06	-0.2429	0	0.149
ENSP00000230012	1.02E-05	-0.2429	0	0.000
ENSP00000456021	5.02E-07	-0.2429	0	0.000
ENSP00000362746	7.87E-06	-0.2430	404	0.137
ENSP00000380380	6.02E-07	-0.2430	0	0.000
ENSP00000373176	3.89E-06	-0.2430	191	0.308
ENSP00000346466	3.54E-06	-0.2430	0	0.122
ENSP00000353910	5.52E-06	-0.2430	0	0.100
ENSP00000357581	7.56E-06	-0.2431	163	0.833
ENSP00000333779	3.81E-06	-0.2431	0	0.176
ENSP00000345716	5.80E-06	-0.2431	0	0.243
ENSP00000317818	4.78E-06	-0.2431	0	0.157
ENSP00000308708	3.23E-06	-0.2432	0	0.121
ENSP00000368686	9.73E-06	-0.2432	195	0.775
ENSP00000273695	6.51E-06	-0.2432	0	0.116
ENSP00000355672	3.17E-06	-0.2432	0	0.126
ENSP00000426174	1.42E-06	-0.2433	0	0.146
ENSP00000386398	7.37E-06	-0.2433	202	0.677
ENSP00000378356	4.18E-06	-0.2433	0	0.318
ENSP00000355177	2.86E-06	-0.2434	0	0.087
ENSP00000464258	1.92E-06	-0.2434	0	0.274
ENSP00000349041	1.26E-05	-0.2434	313	0.855
ENSP00000356115	3.19E-06	-0.2434	0	0.118
ENSP00000362704	3.56E-06	-0.2434	0	0.195
ENSP00000323068	4.27E-06	-0.2434	0	0.111
ENSP00000266534	2.38E-06	-0.2435	0	0.088

ENSP00000427802	5.20E-06	-0.2435	312	0.762
ENSP00000336832	6.54E-06	-0.2435	0	0.000
ENSP00000359935	3.21E-06	-0.2435	0	0.083
ENSP00000348496	2.40E-06	-0.2436	0	0.087
ENSP00000431083	5.78E-06	-0.2436	0	0.142
ENSP00000384144	1.28E-05	-0.2436	877	0.000
ENSP00000352216	5.68E-06	-0.2436	0	0.081
ENSP00000327786	4.91E-06	-0.2437	0	0.093
ENSP00000366645	2.96E-06	-0.2437	0	0.129
ENSP00000370826	3.47E-06	-0.2438	0	0.305
ENSP00000405708	7.04E-06	-0.2438	0	0.050
ENSP00000414670	2.17E-06	-0.2438	0	0.141
ENSP00000364243	5.80E-06	-0.2438	0	0.188
ENSP00000323246	3.29E-06	-0.2438	0	0.604
ENSP00000378529	5.79E-06	-0.2439	0	0.576
ENSP00000386918	6.18E-06	-0.2439	233	0.129
ENSP00000406026	2.21E-06	-0.2439	0	0.077
ENSP00000309132	1.13E-05	-0.2440	158	0.441
ENSP00000323435	2.13E-06	-0.2440	0	0.107
ENSP00000392859	6.64E-06	-0.2440	329	0.615
ENSP00000319673	4.09E-06	-0.2441	0	0.088
ENSP00000420227	2.86E-06	-0.2442	0	0.000
ENSP00000398655	1.00E-05	-0.2442	205	0.678
ENSP00000406577	5.82E-06	-0.2443	347	0.182
ENSP00000190165	3.60E-06	-0.2443	0	0.519
ENSP00000355958	3.27E-06	-0.2444	0	0.603
ENSP00000387252	1.19E-06	-0.2444	0	0.136
ENSP00000398688	2.57E-06	-0.2444	0	0.517
ENSP00000407978	4.41E-06	-0.2444	0	0.457
ENSP00000384582	1.20E-05	-0.2444	347	0.000
ENSP00000365007	5.36E-06	-0.2445	815	0.216
ENSP00000390621	1.49E-05	-0.2445	330	0.925
ENSP00000462945	2.99E-06	-0.2445	0	0.441
ENSP00000352955	3.22E-06	-0.2445	0	0.110
ENSP00000416095	1.00E-06	-0.2446	0	0.000
ENSP00000370443	1.29E-05	-0.2446	237	0.149
ENSP00000369198	1.32E-05	-0.2446	167	0.000
ENSP00000351596	2.94E-06	-0.2447	0	0.638
ENSP00000334330	1.23E-06	-0.2447	0	0.133
ENSP00000350409	4.19E-06	-0.2447	0	0.101
ENSP00000355923	3.64E-06	-0.2447	0	0.698
ENSP00000349525	5.78E-06	-0.2447	277	0.217
ENSP00000306381	3.76E-06	-0.2448	0	0.000
ENSP00000380996	1.76E-06	-0.2448	0	0.153
ENSP00000363545	2.70E-06	-0.2448	0	0.138
ENSP00000290079	3.23E-06	-0.2448	0	0.165

ENSP00000387303	1.50E-05	-0.2449	181	0.858
ENSP00000363387	6.09E-06	-0.2450	0	0.521
ENSP00000307640	3.15E-06	-0.2450	0	0.102
ENSP00000376123	2.52E-06	-0.2450	0	0.393
ENSP00000325978	5.87E-06	-0.2450	0	0.101
ENSP00000356319	5.71E-06	-0.2450	0	0.238
ENSP00000323178	1.23E-05	-0.2451	0	0.000
ENSP00000261592	7.73E-06	-0.2451	0	0.156
ENSP00000401435	5.00E-06	-0.2452	163	0.137
ENSP00000202625	1.23E-05	-0.2452	0	0.387
ENSP00000364476	1.62E-06	-0.2452	0	0.102
ENSP00000370105	3.21E-06	-0.2452	0	0.740
ENSP00000348161	4.83E-06	-0.2452	0	0.127
ENSP00000307096	5.67E-06	-0.2452	0	0.000
ENSP00000311528	7.17E-06	-0.2453	0	0.228
ENSP00000293889	5.71E-06	-0.2453	0	0.110
ENSP00000382379	9.14E-06	-0.2453	202	0.699
ENSP00000357020	3.03E-06	-0.2453	0	0.000
ENSP00000330190	1.29E-05	-0.2453	151	0.683
ENSP00000368174	3.75E-06	-0.2454	0	0.698
ENSP00000313513	6.49E-06	-0.2454	0	0.101
ENSP00000347486	3.67E-06	-0.2454	0	0.080
ENSP00000282226	6.36E-06	-0.2454	0	0.091
ENSP00000354772	3.55E-06	-0.2454	0	0.084
ENSP00000332690	3.30E-06	-0.2456	0	0.133
ENSP00000341677	5.33E-06	-0.2456	0	0.125
ENSP00000388137	1.37E-06	-0.2456	0	0.091
ENSP00000338532	4.74E-06	-0.2456	0	0.108
ENSP00000422533	1.45E-05	-0.2456	196	0.000
ENSP00000372394	3.92E-06	-0.2457	0	0.174
ENSP00000382714	3.59E-06	-0.2457	0	0.532
ENSP00000361923	2.13E-06	-0.2457	0	0.299
ENSP00000306335	3.54E-06	-0.2457	0	0.732
ENSP00000357844	3.49E-06	-0.2457	0	0.092
ENSP00000442477	4.12E-06	-0.2457	0	0.150
ENSP00000288098	9.82E-06	-0.2457	0	0.235
ENSP00000337759	4.01E-06	-0.2457	169	0.000
ENSP00000387536	4.49E-06	-0.2458	197	0.442
ENSP00000308606	4.50E-06	-0.2458	0	0.116
ENSP00000400471	4.00E-06	-0.2458	0	0.124
ENSP00000357739	4.37E-06	-0.2458	0	0.120
ENSP00000367459	2.14E-06	-0.2458	0	0.116
ENSP00000368908	1.11E-05	-0.2458	0	0.080
ENSP00000453436	8.86E-07	-0.2459	0	0.000
ENSP00000307831	6.84E-06	-0.2460	0	0.000
ENSP00000295083	4.17E-06	-0.2460	0	0.092

ENSP00000307741	4.27E-06	-0.2460	0	0.118
ENSP00000335158	9.74E-06	-0.2461	662	0.202
ENSP00000361064	4.07E-06	-0.2462	0	0.156
ENSP00000413049	1.86E-06	-0.2463	0	0.073
ENSP00000351446	8.14E-06	-0.2463	242	0.000
ENSP00000342336	7.60E-06	-0.2464	0	0.146
ENSP00000367203	1.72E-05	-0.2464	316	0.000
ENSP00000340220	2.77E-06	-0.2465	0	0.148
ENSP00000367065	3.46E-06	-0.2465	0	0.768
ENSP00000382508	1.58E-06	-0.2465	0	0.132
ENSP00000365534	5.29E-06	-0.2466	440	0.574
ENSP00000382104	4.93E-06	-0.2466	0	0.067
ENSP00000392057	6.37E-06	-0.2466	0	0.068
ENSP00000361726	3.39E-06	-0.2466	0	0.152
ENSP00000347883	3.92E-06	-0.2467	0	0.114
ENSP00000369862	6.25E-06	-0.2467	0	0.121
ENSP00000367490	1.94E-06	-0.2468	0	0.166
ENSP00000383155	5.48E-06	-0.2468	0	0.000
ENSP00000356057	2.74E-06	-0.2468	0	0.109
ENSP00000291539	8.63E-06	-0.2469	511	0.658
ENSP00000338457	3.57E-06	-0.2470	0	0.072
ENSP00000368876	3.29E-06	-0.2470	0	0.121
ENSP00000355146	2.94E-06	-0.2471	0	0.191
ENSP00000417602	2.65E-06	-0.2471	0	0.605
ENSP00000428780	1.38E-06	-0.2472	0	0.144
ENSP00000398615	1.32E-06	-0.2472	0	0.000
ENSP00000338783	1.18E-05	-0.2472	974	0.061
ENSP00000445162	3.87E-06	-0.2472	0	0.744
ENSP00000417050	1.38E-06	-0.2474	0	0.000
ENSP00000469517	2.59E-06	-0.2474	0	0.000
ENSP00000377078	1.55E-06	-0.2474	0	0.144
ENSP00000359375	5.00E-06	-0.2474	0	0.099
ENSP00000362395	3.39E-06	-0.2474	0	0.071
ENSP00000360286	7.88E-06	-0.2474	156	0.564
ENSP00000356700	5.20E-06	-0.2474	0	0.102
ENSP00000365103	8.92E-06	-0.2475	211	0.234
ENSP00000432545	3.98E-06	-0.2476	0	0.000
ENSP00000364627	2.08E-06	-0.2476	0	0.128
ENSP00000381921	3.28E-06	-0.2476	0	0.176
ENSP00000361238	3.81E-06	-0.2476	0	0.063
ENSP00000343900	3.19E-06	-0.2477	0	0.561
ENSP00000374183	3.86E-06	-0.2477	0	0.115
ENSP00000393541	3.94E-06	-0.2478	0	0.101
ENSP00000435412	1.86E-05	-0.2478	308	0.000
ENSP00000325564	7.27E-06	-0.2478	0	0.094
ENSP00000239450	5.74E-06	-0.2478	0	0.136

ENSP00000409581	2.09E-05	-0.2479	972	0.859
ENSP00000292574	6.04E-06	-0.2479	0	0.107
ENSP00000361642	3.35E-06	-0.2479	0	0.504
ENSP00000366641	1.29E-05	-0.2480	151	0.273
ENSP00000367398	9.33E-06	-0.2480	303	0.271
ENSP00000356432	6.31E-06	-0.2480	0	0.000
ENSP00000348064	5.10E-06	-0.2480	0	0.108
ENSP00000361302	5.36E-06	-0.2481	0	0.202
ENSP00000304078	4.00E-06	-0.2481	0	0.110
ENSP00000396915	1.77E-06	-0.2482	0	0.146
ENSP00000390637	7.58E-06	-0.2482	155	0.267
ENSP00000396622	5.23E-06	-0.2482	0	0.134
ENSP00000355374	3.29E-06	-0.2483	0	0.115
ENSP00000384967	4.08E-06	-0.2483	0	0.120
ENSP00000350331	7.01E-06	-0.2483	202	0.662
ENSP00000442518	7.14E-06	-0.2485	202	0.000
ENSP00000341794	7.25E-06	-0.2485	0	0.128
ENSP00000337854	5.11E-06	-0.2485	0	0.093
ENSP00000448035	4.57E-06	-0.2485	340	0.763
ENSP00000359049	3.92E-06	-0.2486	0	0.202
ENSP00000239125	3.80E-06	-0.2486	0	0.000
ENSP00000354891	5.14E-06	-0.2486	0	0.105
ENSP00000347930	3.92E-06	-0.2486	0	0.000
ENSP00000377170	5.99E-06	-0.2486	202	0.618
ENSP00000376188	3.48E-06	-0.2486	0	0.249
ENSP00000391447	2.80E-06	-0.2486	0	0.768
ENSP00000381494	2.32E-06	-0.2486	0	0.105
ENSP00000264387	1.15E-05	-0.2486	0	0.118
ENSP00000358307	4.51E-06	-0.2486	0	0.128
ENSP00000350078	5.69E-06	-0.2487	0	0.838
ENSP00000347188	3.07E-06	-0.2487	0	0.123
ENSP00000429018	1.59E-06	-0.2487	0	0.125
ENSP00000352672	5.80E-06	-0.2488	0	0.245
ENSP00000346931	3.33E-06	-0.2489	0	0.100
ENSP00000378756	3.50E-06	-0.2489	0	0.055
ENSP00000359531	1.42E-05	-0.2489	271	0.000
ENSP00000436585	5.34E-06	-0.2489	0	0.249
ENSP00000328737	1.01E-05	-0.2489	700	0.000
ENSP00000354777	2.03E-06	-0.2490	0	0.105
ENSP00000314709	6.11E-06	-0.2490	0	0.404
ENSP00000299155	1.17E-05	-0.2491	163	0.131
ENSP00000348757	1.60E-06	-0.2491	0	0.078
ENSP00000263765	2.88E-06	-0.2491	0	0.000
ENSP00000368273	2.62E-06	-0.2492	0	0.259
ENSP00000357547	3.55E-06	-0.2492	0	0.370
ENSP00000419879	5.86E-06	-0.2492	200	0.276

ENSP00000340017	3.08E-06	-0.2493	0	0.108
ENSP00000335325	5.05E-06	-0.2493	0	0.091
ENSP00000046087	1.47E-05	-0.2494	0	0.053
ENSP00000354691	7.30E-06	-0.2494	0	0.100
ENSP00000358099	8.75E-06	-0.2494	188	0.577
ENSP00000362332	4.73E-06	-0.2495	0	0.162
ENSP00000381821	4.79E-06	-0.2496	0	0.111
ENSP00000418193	3.99E-06	-0.2496	0	0.102
ENSP00000389455	3.15E-06	-0.2496	0	0.324
ENSP00000367965	3.63E-06	-0.2496	0	0.107
ENSP00000371542	4.07E-06	-0.2496	0	0.309
ENSP00000185206	5.05E-06	-0.2497	0	0.053
ENSP00000298622	5.92E-06	-0.2497	0	0.103
ENSP00000430075	7.71E-06	-0.2497	294	0.211
ENSP00000450560	1.39E-05	-0.2497	485	0.659
ENSP00000295440	1.51E-05	-0.2498	0	0.345
ENSP00000368716	2.24E-06	-0.2498	0	0.327
ENSP00000341030	1.11E-05	-0.2498	0	0.227
ENSP00000363590	5.16E-06	-0.2498	0	0.087
ENSP00000245810	1.58E-05	-0.2499	0	0.471
ENSP00000328423	6.53E-06	-0.2499	0	0.000
ENSP00000262765	2.11E-06	-0.2499	0	0.179
ENSP00000395653	3.66E-06	-0.2499	0	0.000
ENSP00000347251	4.04E-06	-0.2499	0	0.000
ENSP00000295297	6.85E-06	-0.2500	0	0.216
ENSP00000366620	6.70E-06	-0.2500	597	0.541
ENSP00000330200	3.44E-06	-0.2500	0	0.098
ENSP00000409016	3.57E-06	-0.2500	0	0.128
ENSP00000345957	4.14E-06	-0.2500	0	0.755
ENSP00000353128	3.72E-06	-0.2500	0	0.105
ENSP00000341412	5.66E-06	-0.2500	0	0.000
ENSP00000379865	1.53E-05	-0.2501	242	0.284
ENSP00000418082	5.78E-06	-0.2502	171	0.826
ENSP00000384869	6.93E-06	-0.2502	196	0.272
ENSP00000354597	2.28E-06	-0.2503	0	0.120
ENSP00000431459	2.75E-06	-0.2503	0	0.128
ENSP00000352167	4.42E-06	-0.2503	0	0.106
ENSP00000385347	2.32E-06	-0.2503	0	0.111
ENSP00000316491	7.56E-06	-0.2504	0	0.086
ENSP00000347999	3.08E-06	-0.2504	0	0.358
ENSP00000365528	3.24E-06	-0.2504	0	0.320
ENSP00000256389	1.01E-05	-0.2504	0	0.069
ENSP00000359464	1.36E-06	-0.2507	0	0.144
ENSP00000360966	5.47E-06	-0.2507	162	0.066
ENSP00000363001	4.15E-06	-0.2507	0	0.073
ENSP00000354724	3.40E-06	-0.2508	0	0.659

ENSP00000330442	6.26E-06	-0.2508	0	0.125
ENSP00000362987	1.50E-06	-0.2510	0	0.120
ENSP00000387593	7.23E-06	-0.2510	211	0.712
ENSP00000369312	3.98E-06	-0.2510	0	0.594
ENSP00000356298	3.28E-06	-0.2511	0	0.000
ENSP00000351138	4.48E-06	-0.2511	0	0.119
ENSP00000319118	1.05E-05	-0.2511	186	0.819
ENSP00000409722	2.54E-06	-0.2511	0	0.000
ENSP00000370293	2.60E-06	-0.2512	0	0.425
ENSP00000350377	2.72E-06	-0.2512	0	0.097
ENSP00000362677	4.00E-06	-0.2512	242	0.000
ENSP00000358242	4.04E-06	-0.2512	0	0.752
ENSP00000377807	2.48E-06	-0.2512	0	0.092
ENSP00000365567	4.56E-06	-0.2513	0	0.126
ENSP00000295171	8.23E-06	-0.2513	0	0.101
ENSP00000335292	7.97E-06	-0.2513	0	0.070
ENSP00000345133	3.51E-06	-0.2514	0	0.262
ENSP00000391088	3.09E-06	-0.2514	0	0.089
ENSP00000419199	8.60E-06	-0.2514	202	0.606
ENSP00000398211	7.54E-06	-0.2515	0	0.093
ENSP00000339723	3.92E-06	-0.2516	0	0.367
ENSP00000363139	6.67E-06	-0.2516	0	0.077
ENSP00000258403	5.63E-06	-0.2516	0	0.065
ENSP00000244625	7.61E-06	-0.2516	0	0.000
ENSP00000284617	5.86E-06	-0.2517	0	0.106
ENSP00000386171	4.21E-06	-0.2518	0	0.775
ENSP00000414109	2.22E-06	-0.2518	0	0.341
ENSP00000430024	1.40E-06	-0.2518	0	0.145
ENSP00000362814	1.17E-05	-0.2519	167	0.099
ENSP00000279024	5.76E-06	-0.2519	0	0.159
ENSP00000349629	9.87E-06	-0.2519	169	0.241
ENSP00000341360	4.66E-06	-0.2519	0	0.162
ENSP00000332613	1.21E-05	-0.2520	169	0.226
ENSP00000369446	4.18E-06	-0.2520	0	0.154
ENSP00000364956	6.08E-06	-0.2520	0	0.089
ENSP00000426103	1.10E-05	-0.2521	245	0.549
ENSP00000329295	5.17E-06	-0.2521	0	0.081
ENSP00000345001	4.62E-06	-0.2521	0	0.817
ENSP00000307519	9.35E-06	-0.2521	0	0.207
ENSP00000345512	1.12E-05	-0.2521	154	0.672
ENSP00000299272	1.67E-05	-0.2521	167	0.000
ENSP00000457689	6.69E-06	-0.2522	201	0.000
ENSP00000294309	7.98E-06	-0.2522	0	0.049
ENSP00000354822	3.63E-06	-0.2523	0	0.385
ENSP00000315106	1.06E-05	-0.2523	159	0.173
ENSP00000290607	2.89E-06	-0.2524	0	0.178

ENSP00000432743	4.48E-06	-0.2524	0	0.756
ENSP00000358042	6.56E-06	-0.2524	252	0.500
ENSP00000358105	8.41E-06	-0.2525	198	0.276
ENSP00000329266	8.50E-06	-0.2525	414	0.000
ENSP00000349325	3.77E-06	-0.2525	0	0.381
ENSP00000367378	8.44E-06	-0.2525	229	0.142
ENSP00000380781	5.09E-06	-0.2525	0	0.757
ENSP00000364349	9.97E-06	-0.2526	506	0.564
ENSP00000374218	7.37E-06	-0.2527	0	0.069
ENSP00000418842	1.07E-05	-0.2527	201	0.346
ENSP00000350359	9.40E-06	-0.2527	225	0.000
ENSP00000284881	7.34E-06	-0.2527	0	0.129
ENSP00000369317	5.96E-06	-0.2527	0	0.324
ENSP00000370077	2.29E-06	-0.2527	0	0.122
ENSP00000423049	3.92E-06	-0.2528	0	0.000
ENSP00000364220	3.29E-06	-0.2528	0	0.532
ENSP00000360054	5.71E-06	-0.2528	0	0.133
ENSP00000346088	6.35E-06	-0.2529	156	0.748
ENSP00000393183	4.35E-06	-0.2530	0	0.466
ENSP00000352734	3.27E-06	-0.2530	0	0.137
ENSP00000358107	4.73E-06	-0.2530	0	0.080
ENSP00000354769	4.61E-06	-0.2530	0	0.000
ENSP00000318429	3.03E-06	-0.2530	0	0.056
ENSP00000231484	1.15E-05	-0.2530	0	0.177
ENSP00000445340	1.37E-05	-0.2530	184	0.106
ENSP00000335620	9.05E-06	-0.2531	159	0.347
ENSP00000366988	5.20E-06	-0.2531	0	0.091
ENSP00000253079	1.68E-05	-0.2531	198	0.114
ENSP00000360270	1.24E-05	-0.2531	340	0.285
ENSP00000342143	7.85E-06	-0.2532	267	0.166
ENSP00000382133	4.57E-06	-0.2532	0	0.723
ENSP00000465075	2.53E-06	-0.2532	0	0.267
ENSP00000217320	6.30E-06	-0.2532	0	0.159
ENSP00000345689	7.30E-06	-0.2533	184	0.000
ENSP00000360973	1.11E-05	-0.2533	780	0.456
ENSP00000298047	1.03E-05	-0.2533	151	0.000
ENSP00000360327	3.80E-06	-0.2533	0	0.493
ENSP00000411584	2.14E-06	-0.2534	0	0.121
ENSP00000438144	1.34E-05	-0.2534	464	0.507
ENSP00000356047	5.32E-06	-0.2534	174	0.311
ENSP00000253934	9.72E-06	-0.2534	0	0.158
ENSP00000263174	7.60E-06	-0.2534	0	0.146
ENSP00000280734	3.99E-06	-0.2534	0	0.117
ENSP00000364737	1.75E-06	-0.2534	0	0.307
ENSP00000319623	5.05E-06	-0.2534	0	0.296
ENSP00000237353	6.71E-06	-0.2535	0	0.211



ENSP00000438125	3.44E-06	-0.2535	0	0.365
ENSP00000440053	3.82E-06	-0.2536	0	0.000
ENSP00000330509	3.06E-06	-0.2536	0	0.101
ENSP00000422185	2.85E-06	-0.2536	0	0.174
ENSP00000401597	6.17E-07	-0.2537	0	0.209
ENSP00000443432	1.99E-06	-0.2537	0	0.049
ENSP00000248306	4.17E-06	-0.2538	0	0.136
ENSP00000370213	1.03E-05	-0.2538	196	0.129
ENSP00000345751	6.13E-06	-0.2538	0	0.257
ENSP00000227918	9.33E-06	-0.2538	0	0.104
ENSP00000365811	1.24E-05	-0.2538	154	0.366
ENSP00000421307	7.71E-07	-0.2539	0	0.000
ENSP00000377396	2.55E-06	-0.2539	0	0.152
ENSP00000295980	1.43E-05	-0.2539	197	0.000
ENSP00000302676	3.25E-06	-0.2539	0	0.132
ENSP00000394770	4.04E-06	-0.2540	0	0.086
ENSP00000355500	3.46E-06	-0.2540	0	0.092
ENSP00000334851	1.10E-05	-0.2540	265	0.156
ENSP00000245551	6.14E-06	-0.2540	0	0.313
ENSP00000251921	9.23E-06	-0.2540	0	0.095
ENSP00000261854	1.73E-05	-0.2540	242	0.143
ENSP00000418348	2.83E-06	-0.2540	0	0.116
ENSP00000335223	3.84E-06	-0.2541	0	0.133
ENSP00000355211	2.53E-06	-0.2541	0	0.000
ENSP00000328940	1.46E-05	-0.2541	191	0.419
ENSP00000279101	2.89E-06	-0.2541	0	0.099
ENSP00000362095	5.28E-06	-0.2543	0	0.399
ENSP00000245543	8.61E-06	-0.2543	0	0.147
ENSP00000383411	3.93E-06	-0.2544	0	0.123
ENSP00000263655	9.16E-06	-0.2544	0	0.103
ENSP00000364855	5.09E-06	-0.2545	317	0.567
ENSP00000278360	4.86E-06	-0.2546	0	0.000
ENSP00000377303	3.31E-06	-0.2546	0	0.076
ENSP00000397879	2.88E-06	-0.2547	0	0.000
ENSP00000326708	6.63E-06	-0.2547	0	0.114
ENSP00000351875	7.17E-06	-0.2547	202	0.625
ENSP00000289359	5.08E-06	-0.2547	0	0.073
ENSP00000382349	6.06E-06	-0.2547	183	0.352
ENSP00000261177	5.03E-06	-0.2548	0	0.192
ENSP00000408058	3.85E-06	-0.2549	0	0.095
ENSP00000368516	7.93E-06	-0.2549	301	0.691
ENSP00000352288	4.31E-06	-0.2549	0	0.225
ENSP00000359859	5.05E-06	-0.2550	340	0.000
ENSP00000375429	4.34E-06	-0.2551	0	0.119
ENSP00000403396	1.09E-06	-0.2551	0	0.088
ENSP00000385026	1.26E-05	-0.2552	784	0.330

ENSP00000240123	7.09E-06	-0.2553	0	0.333
ENSP00000378408	9.13E-06	-0.2554	351	0.334
ENSP00000370224	6.92E-06	-0.2554	0	0.103
ENSP00000385478	3.53E-06	-0.2554	0	0.216
ENSP00000377934	3.62E-06	-0.2554	0	0.316
ENSP00000350018	3.07E-06	-0.2554	0	0.267
ENSP00000363041	2.06E-06	-0.2555	0	0.082
ENSP00000276173	2.00E-06	-0.2555	0	0.252
ENSP00000349957	4.70E-06	-0.2555	0	0.447
ENSP00000363557	3.82E-06	-0.2555	0	0.088
ENSP00000438788	3.25E-06	-0.2555	0	0.463
ENSP00000384345	5.19E-06	-0.2556	0	0.390
ENSP00000373404	5.19E-06	-0.2557	375	0.795
ENSP00000400010	8.84E-06	-0.2557	212	0.723
ENSP00000254901	3.80E-06	-0.2557	0	0.052
ENSP00000360552	3.59E-06	-0.2557	0	0.770
ENSP00000004103	6.02E-06	-0.2558	0	0.143
ENSP00000351503	4.15E-06	-0.2558	0	0.116
ENSP00000457016	2.35E-06	-0.2558	0	0.351
ENSP00000360129	3.80E-06	-0.2558	153	0.000
ENSP00000350934	4.42E-06	-0.2559	0	0.113
ENSP00000330787	3.47E-06	-0.2559	0	0.108
ENSP00000354536	5.61E-06	-0.2559	0	0.201
ENSP00000309524	7.61E-06	-0.2559	0	0.281
ENSP00000445063	5.80E-07	-0.2560	0	0.000
ENSP00000375095	5.54E-06	-0.2560	0	0.148
ENSP00000454919	5.31E-06	-0.2561	0	0.308
ENSP00000395962	2.86E-06	-0.2561	0	0.000
ENSP00000384774	1.31E-05	-0.2561	261	0.000
ENSP00000289989	4.80E-06	-0.2561	0	0.162
ENSP00000367934	3.11E-06	-0.2562	0	0.193
ENSP00000386389	1.13E-05	-0.2562	0	0.172
ENSP00000419194	2.10E-06	-0.2562	0	0.090
ENSP00000299665	1.26E-05	-0.2562	0	0.083
ENSP00000379709	2.18E-06	-0.2562	0	0.143
ENSP00000265634	1.39E-05	-0.2563	0	0.204
ENSP00000380762	2.50E-06	-0.2563	0	0.108
ENSP00000425107	5.93E-06	-0.2563	397	0.498
ENSP00000380488	2.00E-06	-0.2563	0	0.177
ENSP00000442068	1.51E-06	-0.2563	0	0.294
ENSP00000381634	2.76E-06	-0.2564	0	0.069
ENSP00000360472	4.30E-06	-0.2564	0	0.353
ENSP00000253807	6.45E-06	-0.2564	0	0.087
ENSP00000253381	6.79E-06	-0.2564	0	0.114
ENSP00000331849	2.75E-06	-0.2565	0	0.427
ENSP00000396452	3.15E-06	-0.2565	0	0.000

ENSP00000342313	4.44E-06	-0.2565	0	0.139
ENSP00000382058	2.50E-06	-0.2565	0	0.396
ENSP00000352463	6.68E-06	-0.2566	0	0.284
ENSP00000362135	4.89E-06	-0.2566	0	0.453
ENSP00000295694	7.39E-06	-0.2566	0	0.091
ENSP00000326247	5.59E-06	-0.2567	0	0.102
ENSP00000333490	5.68E-06	-0.2567	0	0.000
ENSP00000259456	7.58E-06	-0.2567	0	0.425
ENSP00000377051	1.03E-05	-0.2567	609	0.696
ENSP00000265272	4.17E-06	-0.2567	0	0.132
ENSP00000296444	6.44E-06	-0.2568	0	0.096
ENSP00000447000	4.22E-06	-0.2568	0	0.000
ENSP00000378167	1.93E-06	-0.2569	0	0.134
ENSP00000304327	6.02E-06	-0.2569	0	0.225
ENSP00000383719	3.06E-06	-0.2569	0	0.110
ENSP00000010132	5.22E-06	-0.2569	189	0.667
ENSP00000225899	2.47E-06	-0.2570	0	0.117
ENSP00000364389	3.36E-06	-0.2570	0	0.000
ENSP00000363709	5.12E-06	-0.2570	0	0.000
ENSP00000434279	7.06E-06	-0.2570	0	0.243
ENSP00000332530	4.45E-06	-0.2571	0	0.119
ENSP00000359640	7.66E-06	-0.2571	0	0.091
ENSP00000323663	2.67E-06	-0.2572	0	0.584
ENSP00000369299	4.33E-06	-0.2572	0	0.366
ENSP00000376945	1.65E-06	-0.2572	0	0.136
ENSP00000315949	1.16E-05	-0.2572	151	0.816
ENSP00000249887	1.57E-05	-0.2572	0	0.000
ENSP00000368207	4.51E-06	-0.2572	225	0.230
ENSP00000380679	6.27E-06	-0.2573	0	0.059
ENSP00000425786	1.42E-06	-0.2573	0	0.108
ENSP00000385450	4.63E-06	-0.2573	0	0.465
ENSP00000396040	3.90E-06	-0.2573	0	0.109
ENSP00000454786	2.77E-06	-0.2574	0	0.000
ENSP00000271064	9.93E-06	-0.2574	0	0.121
ENSP00000415823	6.43E-06	-0.2575	0	0.127
ENSP00000392452	8.29E-07	-0.2575	0	0.163
ENSP00000366249	2.42E-05	-0.2575	295	0.656
ENSP00000348901	4.18E-06	-0.2575	0	0.079
ENSP00000297977	1.11E-05	-0.2575	169	0.088
ENSP00000383939	1.91E-06	-0.2576	0	0.326
ENSP00000402338	1.38E-05	-0.2576	170	0.918
ENSP00000393198	5.87E-06	-0.2576	0	0.771
ENSP00000356087	3.45E-06	-0.2576	0	0.000
ENSP00000360149	3.98E-06	-0.2577	0	0.142
ENSP00000360652	2.76E-06	-0.2577	0	0.000
ENSP00000259211	1.30E-05	-0.2577	0	0.206

ENSP00000308901	2.56E-06	-0.2578	0	0.000
ENSP00000404011	1.51E-06	-0.2578	0	0.000
ENSP00000378254	2.83E-06	-0.2578	0	0.104
ENSP00000414851	4.28E-06	-0.2578	0	0.680
ENSP00000363162	1.65E-06	-0.2578	0	0.047
ENSP00000287474	4.48E-06	-0.2579	0	0.102
ENSP00000319817	5.05E-06	-0.2579	0	0.067
ENSP00000434466	1.99E-06	-0.2579	0	0.111
ENSP00000377840	3.00E-06	-0.2579	0	0.247
ENSP00000324741	8.76E-06	-0.2580	0	0.168
ENSP00000371201	1.64E-05	-0.2580	184	0.835
ENSP00000363899	4.25E-06	-0.2581	0	0.091
ENSP00000374484	3.61E-06	-0.2581	0	0.070
ENSP00000364938	4.20E-06	-0.2581	0	0.162
ENSP00000370849	1.81E-06	-0.2582	0	0.146
ENSP00000363582	1.39E-06	-0.2582	0	0.000
ENSP00000354107	4.47E-06	-0.2582	0	0.000
ENSP00000323926	7.26E-06	-0.2582	0	0.307
ENSP00000417601	6.57E-06	-0.2583	226	0.315
ENSP00000359939	3.85E-06	-0.2583	0	0.856
ENSP00000389039	3.97E-06	-0.2583	0	0.000
ENSP00000370270	4.72E-06	-0.2583	0	0.822
ENSP00000355927	3.20E-06	-0.2584	0	0.171
ENSP00000416673	1.42E-06	-0.2584	0	0.168
ENSP00000356587	4.28E-06	-0.2584	0	0.187
ENSP00000328016	2.83E-06	-0.2584	0	0.110
ENSP00000315731	7.87E-06	-0.2585	0	0.105
ENSP00000348278	7.51E-06	-0.2585	0	0.334
ENSP00000352447	4.12E-06	-0.2585	0	0.186
ENSP00000338556	2.90E-06	-0.2586	0	0.088
ENSP00000354518	2.41E-06	-0.2586	0	0.575
ENSP00000405038	4.04E-06	-0.2586	205	0.000
ENSP00000301488	6.40E-06	-0.2587	0	0.205
ENSP00000271139	6.87E-06	-0.2587	0	0.126
ENSP00000370022	5.85E-06	-0.2587	0	0.581
ENSP00000370718	3.87E-06	-0.2587	0	0.127
ENSP00000404079	1.08E-05	-0.2588	905	0.333
ENSP00000329199	2.90E-06	-0.2589	0	0.241
ENSP00000362328	2.53E-06	-0.2589	0	0.092
ENSP00000251303	1.34E-05	-0.2589	191	0.426
ENSP00000355384	3.49E-06	-0.2590	0	0.066
ENSP00000420449	6.68E-06	-0.2591	173	0.000
ENSP00000349291	2.39E-06	-0.2592	0	0.146
ENSP00000457654	1.26E-07	-0.2592	0	0.000
ENSP00000449629	9.00E-06	-0.2593	201	0.610
ENSP00000357306	1.49E-05	-0.2593	485	0.614

ENSP00000310770	7.76E-06	-0.2593	0	0.098
ENSP00000331608	1.56E-05	-0.2594	191	0.812
ENSP00000358529	3.44E-06	-0.2594	0	0.124
ENSP00000205386	1.57E-05	-0.2594	0	0.167
ENSP00000391564	2.86E-06	-0.2595	0	0.000
ENSP00000348107	4.96E-06	-0.2596	0	0.732
ENSP00000371036	2.16E-06	-0.2596	0	0.161
ENSP00000356936	3.39E-06	-0.2598	0	0.214
ENSP00000296877	5.78E-06	-0.2598	0	0.092
ENSP00000257264	6.94E-06	-0.2598	0	0.107
ENSP00000331678	1.02E-05	-0.2599	169	0.556
ENSP00000327234	3.56E-06	-0.2599	0	0.143
ENSP00000388631	6.57E-06	-0.2599	0	0.428
ENSP00000458791	8.66E-06	-0.2599	292	0.199
ENSP00000462747	1.24E-06	-0.2599	0	0.000
ENSP00000405424	2.32E-06	-0.2599	0	0.070
ENSP00000335675	6.46E-06	-0.2599	0	0.133
ENSP00000367950	4.31E-06	-0.2600	0	0.140
ENSP00000324403	3.75E-06	-0.2600	0	0.161
ENSP00000365630	3.43E-06	-0.2601	0	0.225
ENSP00000345487	4.36E-06	-0.2601	0	0.468
ENSP00000371594	4.32E-06	-0.2602	0	0.376
ENSP00000274710	3.45E-06	-0.2602	0	0.125
ENSP00000422473	3.37E-06	-0.2602	0	0.176
ENSP00000367284	2.10E-06	-0.2603	0	0.149
ENSP00000393776	2.68E-06	-0.2604	0	0.270
ENSP00000361681	2.12E-06	-0.2604	0	0.000
ENSP00000297029	1.38E-05	-0.2604	217	0.395
ENSP00000397259	2.42E-06	-0.2604	0	0.851
ENSP00000354972	3.27E-06	-0.2604	0	0.138
ENSP00000350491	2.62E-06	-0.2604	0	0.626
ENSP00000375430	4.24E-06	-0.2604	0	0.137
ENSP00000264079	1.24E-05	-0.2604	242	0.191
ENSP00000443900	2.83E-06	-0.2605	0	0.143
ENSP00000383611	4.16E-06	-0.2605	0	0.637
ENSP00000311364	5.22E-06	-0.2605	0	0.100
ENSP00000375238	3.64E-06	-0.2605	0	0.093
ENSP00000380690	5.22E-06	-0.2605	0	0.117
ENSP00000417052	3.13E-06	-0.2605	0	0.079
ENSP00000376372	4.65E-06	-0.2605	0	0.078
ENSP00000349595	7.30E-06	-0.2605	309	0.630
ENSP00000355471	1.05E-05	-0.2606	388	0.835
ENSP00000355157	3.22E-06	-0.2606	0	0.116
ENSP00000250823	4.76E-06	-0.2606	0	0.226
ENSP00000254337	2.23E-06	-0.2607	0	0.176
ENSP00000245923	3.74E-06	-0.2607	0	0.095

ENSP00000275884	3.87E-06	-0.2607	0	0.110
ENSP00000381003	8.80E-06	-0.2607	683	0.705
ENSP00000392985	2.50E-06	-0.2608	0	0.364
ENSP00000345659	6.03E-06	-0.2608	0	0.154
ENSP00000395535	4.55E-06	-0.2608	0	0.771
ENSP00000363645	3.01E-06	-0.2609	0	0.166
ENSP00000283285	4.28E-06	-0.2609	0	0.112
ENSP00000352021	2.40E-06	-0.2609	0	0.762
ENSP00000347170	4.66E-06	-0.2609	0	0.350
ENSP00000332875	4.44E-06	-0.2609	0	0.142
ENSP00000265707	7.69E-06	-0.2609	0	0.154
ENSP00000456615	9.85E-07	-0.2610	0	0.000
ENSP00000356133	4.66E-06	-0.2610	0	0.143
ENSP00000454833	1.98E-06	-0.2611	0	0.000
ENSP00000348645	5.37E-06	-0.2611	0	0.135
ENSP00000434724	2.27E-06	-0.2612	0	0.094
ENSP00000327133	3.77E-06	-0.2612	0	0.058
ENSP00000296529	5.86E-06	-0.2612	0	0.096
ENSP00000295452	1.18E-05	-0.2613	227	0.315
ENSP00000417963	5.13E-06	-0.2613	0	0.608
ENSP00000360483	3.00E-06	-0.2613	0	0.000
ENSP00000360133	3.02E-06	-0.2613	0	0.373
ENSP00000352547	3.25E-06	-0.2614	0	0.251
ENSP00000260447	8.11E-06	-0.2614	0	0.081
ENSP00000356807	4.87E-06	-0.2614	0	0.279
ENSP00000359423	3.72E-06	-0.2614	0	0.157
ENSP00000370430	4.58E-06	-0.2615	0	0.118
ENSP00000243286	6.84E-06	-0.2615	0	0.133
ENSP00000363400	5.19E-06	-0.2616	0	0.072
ENSP00000381010	2.25E-06	-0.2617	0	0.179
ENSP00000303206	1.15E-05	-0.2617	0	0.414
ENSP00000322273	8.15E-06	-0.2617	0	0.094
ENSP00000387233	7.11E-06	-0.2617	202	0.640
ENSP00000370299	2.97E-06	-0.2617	0	0.107
ENSP00000305964	3.61E-06	-0.2618	0	0.000
ENSP00000358571	6.35E-06	-0.2619	189	0.679
ENSP00000351933	2.81E-06	-0.2620	0	0.179
ENSP00000460274	1.14E-06	-0.2620	0	0.151
ENSP00000387281	8.70E-06	-0.2620	359	0.000
ENSP00000355559	2.66E-06	-0.2620	0	0.065
ENSP00000332900	6.34E-06	-0.2620	0	0.000
ENSP00000373399	3.17E-06	-0.2621	0	0.404
ENSP00000358888	3.19E-06	-0.2621	0	0.114
ENSP00000386049	1.89E-06	-0.2622	0	0.185
ENSP00000216799	5.64E-06	-0.2622	0	0.175
ENSP00000323034	4.70E-06	-0.2622	0	0.000

ENSP00000347408	3.31E-06	-0.2623	0	0.107
ENSP00000360035	2.46E-06	-0.2623	0	0.092
ENSP00000429834	1.96E-06	-0.2623	0	0.154
ENSP00000288710	3.60E-06	-0.2623	0	0.263
ENSP00000265381	7.27E-06	-0.2624	171	0.228
ENSP00000334611	7.91E-06	-0.2624	0	0.174
ENSP00000468690	1.05E-05	-0.2624	201	0.000
ENSP00000312631	5.85E-06	-0.2625	0	0.710
ENSP00000318113	7.40E-06	-0.2626	0	0.133
ENSP00000262995	7.31E-06	-0.2626	212	0.715
ENSP00000455826	9.83E-07	-0.2626	0	0.155
ENSP00000451511	1.48E-05	-0.2627	202	0.000
ENSP00000370710	3.26E-06	-0.2627	0	0.842
ENSP00000245615	7.68E-06	-0.2627	0	0.117
ENSP00000363395	7.34E-06	-0.2628	153	0.000
ENSP00000335094	1.86E-06	-0.2628	0	0.094
ENSP00000365413	3.60E-06	-0.2628	0	0.057
ENSP00000262545	1.09E-05	-0.2629	498	0.634
ENSP00000414635	2.79E-06	-0.2629	0	0.108
ENSP00000231136	6.76E-06	-0.2629	0	0.119
ENSP00000361057	5.21E-06	-0.2629	279	0.179
ENSP00000377640	9.31E-06	-0.2629	191	0.880
ENSP00000296059	2.82E-06	-0.2630	0	0.196
ENSP00000334294	1.08E-05	-0.2630	150	0.392
ENSP00000383599	1.84E-06	-0.2630	0	0.116
ENSP00000349902	4.99E-06	-0.2630	0	0.000
ENSP00000265299	6.02E-06	-0.2630	0	0.164
ENSP00000338276	1.14E-05	-0.2631	340	0.071
ENSP00000319651	1.04E-05	-0.2632	211	0.574
ENSP00000345988	6.88E-06	-0.2632	0	0.373
ENSP00000461862	1.60E-06	-0.2633	0	0.125
ENSP00000393832	3.53E-06	-0.2633	0	0.111
ENSP00000408206	1.10E-06	-0.2634	0	0.000
ENSP00000363216	6.09E-06	-0.2634	224	0.399
ENSP00000316130	8.72E-06	-0.2635	0	0.077
ENSP00000408005	5.59E-06	-0.2635	0	0.563
ENSP00000354498	2.96E-06	-0.2635	0	0.097
ENSP00000346691	5.01E-06	-0.2636	0	0.000
ENSP00000299698	7.56E-06	-0.2636	0	0.090
ENSP00000356470	3.90E-06	-0.2636	0	0.149
ENSP00000354501	3.39E-06	-0.2637	0	0.313
ENSP00000369080	2.21E-06	-0.2637	0	0.104
ENSP00000338260	6.88E-06	-0.2637	163	0.229
ENSP00000374490	3.18E-06	-0.2638	0	0.126
ENSP00000313506	2.97E-06	-0.2639	0	0.259
ENSP00000297788	6.42E-06	-0.2639	0	0.110

ENSP00000295927	1.39E-05	-0.2639	0	0.184
ENSP00000312021	8.41E-06	-0.2640	250	0.102
ENSP00000341021	4.29E-06	-0.2640	0	0.521
ENSP00000320038	3.70E-06	-0.2640	0	0.322
ENSP00000352314	5.32E-06	-0.2642	0	0.172
ENSP00000320649	4.83E-06	-0.2642	0	0.133
ENSP00000366121	7.99E-06	-0.2642	0	0.234
ENSP00000420863	3.93E-06	-0.2642	0	0.097
ENSP00000359540	4.28E-06	-0.2643	0	0.130
ENSP00000329318	4.50E-06	-0.2644	0	0.126
ENSP00000222674	1.01E-05	-0.2644	0	0.253
ENSP00000224756	4.92E-06	-0.2644	0	0.104
ENSP00000467494	8.88E-06	-0.2644	190	0.545
ENSP00000393583	4.05E-06	-0.2644	0	0.000
ENSP00000432016	7.55E-06	-0.2644	202	0.665
ENSP00000344855	5.05E-06	-0.2645	0	0.167
ENSP00000367059	7.22E-06	-0.2645	202	0.780
ENSP00000371897	4.00E-06	-0.2646	0	0.586
ENSP00000380495	5.56E-06	-0.2646	0	0.871
ENSP00000383223	2.94E-06	-0.2646	0	0.157
ENSP00000449535	5.09E-06	-0.2646	183	0.336
ENSP00000356104	3.62E-06	-0.2647	0	0.179
ENSP00000218008	7.41E-06	-0.2649	0	0.085
ENSP00000349932	7.75E-06	-0.2649	0	0.700
ENSP00000367137	2.36E-06	-0.2650	0	0.069
ENSP00000461269	2.56E-06	-0.2650	0	0.126
ENSP00000455444	3.78E-06	-0.2650	0	0.624
ENSP00000392066	4.12E-06	-0.2650	0	0.149
ENSP00000369176	2.78E-06	-0.2650	0	0.252
ENSP00000428603	2.14E-06	-0.2651	0	0.143
ENSP00000472933	2.41E-06	-0.2652	0	0.000
ENSP00000254528	8.02E-06	-0.2652	0	0.162
ENSP00000364524	1.27E-05	-0.2652	201	0.865
ENSP00000381968	7.38E-06	-0.2653	220	0.336
ENSP00000362021	3.00E-06	-0.2653	0	0.106
ENSP00000372750	1.53E-05	-0.2654	185	0.498
ENSP00000283233	7.64E-06	-0.2654	0	0.133
ENSP00000356733	6.49E-07	-0.2655	0	0.214
ENSP00000339802	5.51E-06	-0.2656	0	0.111
ENSP00000447001	6.68E-06	-0.2657	199	0.820
ENSP00000363345	1.42E-06	-0.2657	0	0.190
ENSP00000420659	1.37E-06	-0.2657	0	0.196
ENSP00000364271	4.07E-06	-0.2658	0	0.193
ENSP00000447852	1.02E-06	-0.2659	0	0.118
ENSP00000362071	4.26E-06	-0.2659	0	0.126
ENSP00000431876	1.94E-06	-0.2660	0	0.151



ENSP00000413001	3.13E-06	-0.2660	0	0.081
ENSP00000330746	2.62E-06	-0.2660	0	0.143
ENSP00000295213	6.58E-06	-0.2660	0	0.109
ENSP00000253110	1.60E-06	-0.2661	0	0.147
ENSP00000323424	1.00E-05	-0.2661	205	0.835
ENSP00000354490	5.97E-06	-0.2661	189	0.387
ENSP00000314484	2.29E-06	-0.2661	0	0.129
ENSP00000352849	4.70E-06	-0.2661	0	0.127
ENSP00000420132	4.70E-06	-0.2662	0	0.069
ENSP00000347767	3.32E-06	-0.2662	0	0.087
ENSP00000410759	2.76E-06	-0.2663	0	0.769
ENSP00000362058	3.24E-06	-0.2663	0	0.072
ENSP00000360944	2.92E-06	-0.2663	0	0.253
ENSP00000376799	1.66E-06	-0.2663	0	0.105
ENSP00000351644	5.06E-06	-0.2664	313	0.583
ENSP00000366886	4.64E-06	-0.2664	0	0.092
ENSP00000408295	6.03E-06	-0.2665	201	0.715
ENSP00000431116	2.00E-06	-0.2665	0	0.000
ENSP00000376548	2.39E-06	-0.2666	0	0.139
ENSP00000358886	3.90E-06	-0.2666	0	0.647
ENSP00000299295	3.77E-06	-0.2666	0	0.099
ENSP00000258456	1.10E-05	-0.2667	0	0.142
ENSP00000447879	3.05E-06	-0.2668	0	0.152
ENSP00000322339	2.73E-06	-0.2668	0	0.155
ENSP00000381628	3.02E-06	-0.2668	0	0.115
ENSP00000385916	2.50E-06	-0.2669	0	0.000
ENSP00000403208	3.19E-06	-0.2669	0	0.048
ENSP00000417061	1.62E-06	-0.2669	0	0.000
ENSP00000387512	1.23E-06	-0.2670	0	0.000
ENSP00000358451	2.59E-06	-0.2670	0	0.218
ENSP00000333592	9.63E-06	-0.2670	0	0.000
ENSP00000368511	1.65E-06	-0.2670	0	0.153
ENSP00000349877	5.25E-06	-0.2670	177	0.377
ENSP00000381856	2.19E-06	-0.2672	0	0.131
ENSP00000264400	1.26E-05	-0.2672	251	0.503
ENSP00000416168	1.74E-06	-0.2673	0	0.139
ENSP00000351086	4.06E-06	-0.2673	0	0.000
ENSP00000446654	1.00E-06	-0.2673	0	0.000
ENSP00000350136	4.24E-06	-0.2674	221	0.118
ENSP00000262932	7.96E-06	-0.2674	0	0.092
ENSP00000354109	3.69E-06	-0.2674	0	0.111
ENSP00000365243	2.75E-06	-0.2674	0	0.302
ENSP00000411471	4.65E-06	-0.2675	150	0.694
ENSP00000312284	1.38E-05	-0.2675	159	0.199
ENSP00000358126	3.19E-06	-0.2675	0	0.235
ENSP00000305899	3.27E-06	-0.2676	0	0.807

ENSP00000386588	3.94E-06	-0.2676	0	0.711
ENSP00000261377	1.32E-05	-0.2676	205	0.000
ENSP00000367323	8.10E-06	-0.2676	195	0.160
ENSP00000308354	3.68E-06	-0.2676	0	0.149
ENSP00000467958	2.11E-06	-0.2677	0	0.000
ENSP00000302177	3.92E-06	-0.2677	0	0.122
ENSP00000357112	4.16E-06	-0.2677	0	0.556
ENSP00000340396	6.59E-06	-0.2677	0	0.000
ENSP00000366460	2.64E-06	-0.2677	0	0.111
ENSP00000383143	3.82E-06	-0.2677	0	0.176
ENSP00000407925	1.93E-06	-0.2677	0	0.000
ENSP00000438349	3.76E-06	-0.2678	0	0.861
ENSP00000359788	2.73E-06	-0.2678	0	0.335
ENSP00000356779	4.94E-06	-0.2678	0	0.082
ENSP00000348314	2.12E-06	-0.2678	0	0.092
ENSP00000349705	5.42E-06	-0.2679	256	0.658
ENSP00000386911	4.35E-06	-0.2679	0	0.379
ENSP00000427366	3.91E-06	-0.2680	0	0.564
ENSP00000423777	3.91E-06	-0.2680	0	0.564
ENSP00000228936	1.17E-05	-0.2680	0	0.247
ENSP00000423211	3.91E-06	-0.2680	0	0.564
ENSP00000360485	1.89E-06	-0.2680	0	0.140
ENSP00000422969	3.92E-06	-0.2681	0	0.564
ENSP00000422097	3.92E-06	-0.2681	0	0.564
ENSP00000422887	3.92E-06	-0.2681	0	0.564
ENSP00000289388	1.01E-05	-0.2681	0	0.000
ENSP00000216468	3.33E-06	-0.2681	0	0.181
ENSP00000330267	3.57E-06	-0.2681	0	0.000
ENSP00000386227	3.52E-06	-0.2681	0	0.108
ENSP00000360366	6.94E-06	-0.2681	211	0.139
ENSP00000297109	3.94E-06	-0.2682	0	0.634
ENSP00000403852	9.76E-06	-0.2682	371	0.810
ENSP00000345270	6.49E-06	-0.2682	0	0.186
ENSP00000345580	3.05E-06	-0.2683	0	0.000
ENSP00000317564	5.64E-06	-0.2683	0	0.116
ENSP00000265598	1.39E-05	-0.2684	569	0.440
ENSP00000358265	2.96E-06	-0.2685	0	0.180
ENSP00000330138	1.07E-05	-0.2685	224	0.000
ENSP00000352097	8.59E-06	-0.2685	0	0.078
ENSP00000365991	6.42E-06	-0.2685	917	0.495
ENSP00000329735	5.12E-06	-0.2685	0	0.128
ENSP00000312439	2.63E-06	-0.2685	0	0.126
ENSP00000369251	6.08E-06	-0.2686	0	0.386
ENSP00000366697	6.99E-06	-0.2686	202	0.000
ENSP00000341674	8.77E-06	-0.2687	153	0.000
ENSP00000297203	1.93E-06	-0.2687	0	0.189

ENSP00000377401	4.09E-06	-0.2687	0	0.179
ENSP00000453785	8.41E-06	-0.2687	220	0.182
ENSP00000443130	1.99E-06	-0.2688	0	0.000
ENSP00000233027	6.21E-06	-0.2688	0	0.164
ENSP00000404860	2.50E-06	-0.2688	0	0.112
ENSP00000284311	8.19E-06	-0.2688	0	0.216
ENSP00000264231	5.94E-06	-0.2688	0	0.119
ENSP00000453076	6.79E-06	-0.2688	159	0.432
ENSP00000381086	2.15E-06	-0.2688	0	0.157
ENSP00000371193	3.78E-06	-0.2689	0	0.109
ENSP00000308312	3.12E-06	-0.2689	0	0.044
ENSP00000318716	3.21E-06	-0.2690	0	0.123
ENSP00000360076	3.08E-06	-0.2691	0	0.116
ENSP00000343248	7.53E-06	-0.2691	0	0.141
ENSP00000280236	9.88E-06	-0.2691	0	0.104
ENSP00000347710	7.20E-06	-0.2691	294	0.518
ENSP00000373846	4.45E-06	-0.2691	0	0.423
ENSP00000401338	2.24E-06	-0.2692	0	0.130
ENSP00000393596	4.72E-06	-0.2693	0	0.435
ENSP00000310309	4.67E-06	-0.2693	0	0.162
ENSP00000425375	3.90E-06	-0.2694	0	0.558
ENSP00000438513	1.05E-05	-0.2694	187	0.000
ENSP00000302924	5.32E-06	-0.2694	0	0.243
ENSP00000361112	1.20E-05	-0.2694	156	0.466
ENSP00000469872	2.78E-06	-0.2694	0	0.169
ENSP00000394008	9.16E-06	-0.2695	185	0.000
ENSP00000264824	9.57E-06	-0.2697	0	0.801
ENSP00000421686	9.55E-07	-0.2697	0	0.170
ENSP00000314608	4.22E-06	-0.2697	0	0.109
ENSP00000360761	8.74E-06	-0.2698	301	0.452
ENSP00000371786	2.64E-06	-0.2698	0	0.316
ENSP00000371037	1.27E-06	-0.2698	0	0.069
ENSP00000347345	5.47E-06	-0.2699	451	0.698
ENSP00000409382	4.52E-06	-0.2699	0	0.000
ENSP00000447488	4.00E-06	-0.2700	0	0.315
ENSP00000441858	4.83E-06	-0.2700	0	0.057
ENSP00000362807	3.51E-06	-0.2701	0	0.119
ENSP00000346046	3.11E-06	-0.2701	0	0.000
ENSP00000362111	3.63E-06	-0.2701	0	0.092
ENSP00000325508	3.57E-06	-0.2701	0	0.096
ENSP00000357602	2.94E-06	-0.2702	0	0.132
ENSP00000360107	5.22E-06	-0.2703	0	0.092
ENSP00000434797	4.13E-06	-0.2703	0	0.269
ENSP00000263071	1.36E-05	-0.2703	342	0.357
ENSP00000414066	3.24E-06	-0.2703	0	0.000
ENSP00000342216	4.02E-06	-0.2704	0	0.088

ENSP00000386908	3.78E-06	-0.2704	0	0.165
ENSP00000243673	1.15E-05	-0.2704	539	0.361
ENSP00000228820	7.21E-06	-0.2705	0	0.237
ENSP00000348472	7.03E-06	-0.2705	0	0.392
ENSP00000259212	1.20E-05	-0.2705	0	0.206
ENSP00000344996	6.54E-06	-0.2706	0	0.121
ENSP00000401508	2.89E-06	-0.2707	0	0.000
ENSP00000376705	2.67E-06	-0.2707	0	0.086
ENSP00000314042	4.78E-06	-0.2707	0	0.146
ENSP00000360998	9.20E-06	-0.2708	202	0.636
ENSP00000306497	4.66E-06	-0.2708	0	0.247
ENSP00000343665	2.57E-06	-0.2708	0	0.000
ENSP00000374354	3.68E-06	-0.2708	0	0.789
ENSP00000333591	4.53E-06	-0.2710	0	0.049
ENSP00000313243	8.87E-06	-0.2711	153	0.000
ENSP00000440915	1.34E-06	-0.2711	0	0.312
ENSP00000419851	1.96E-05	-0.2711	628	0.788
ENSP00000276185	5.47E-06	-0.2711	0	0.158
ENSP00000375080	2.19E-06	-0.2712	0	0.141
ENSP00000352163	1.03E-05	-0.2712	0	0.094
ENSP00000355261	2.72E-06	-0.2712	0	0.737
ENSP00000300079	1.17E-05	-0.2713	179	0.452
ENSP00000338785	7.12E-06	-0.2714	0	0.184
ENSP00000326340	2.32E-06	-0.2714	0	0.098
ENSP00000333003	7.46E-06	-0.2715	0	0.118
ENSP00000359219	2.65E-06	-0.2715	0	0.109
ENSP00000310431	5.34E-06	-0.2715	0	0.101
ENSP00000442057	2.18E-06	-0.2716	0	0.711
ENSP00000376268	6.61E-06	-0.2716	0	0.448
ENSP00000357067	5.65E-06	-0.2716	0	0.152
ENSP00000355719	8.08E-06	-0.2716	0	0.096
ENSP00000379401	6.04E-06	-0.2717	0	0.241
ENSP00000352995	2.92E-06	-0.2717	0	0.000
ENSP00000335060	4.59E-06	-0.2717	0	0.060
ENSP00000340477	3.42E-06	-0.2717	0	0.113
ENSP00000269209	7.63E-06	-0.2718	0	0.119
ENSP00000392398	1.37E-05	-0.2718	242	0.201
ENSP00000359449	3.63E-06	-0.2718	0	0.000
ENSP00000378578	3.88E-06	-0.2719	0	0.720
ENSP00000361512	5.04E-06	-0.2719	241	0.636
ENSP00000355387	2.78E-06	-0.2719	0	0.165
ENSP00000464036	4.45E-06	-0.2720	0	0.584
ENSP00000273173	5.67E-06	-0.2720	0	0.089
ENSP00000345702	7.91E-06	-0.2721	925	0.000
ENSP00000235532	5.95E-06	-0.2721	0	0.073
ENSP00000364412	5.21E-06	-0.2722	0	0.213

ENSP00000432104	1.69E-06	-0.2724	0	0.148
ENSP00000458570	1.73E-06	-0.2724	0	0.105
ENSP00000350651	4.35E-06	-0.2725	0	0.298
ENSP00000321221	7.67E-06	-0.2725	208	0.703
ENSP00000371272	3.08E-06	-0.2725	0	0.348
ENSP00000417748	1.41E-05	-0.2726	216	0.000
ENSP00000281523	4.62E-06	-0.2726	0	0.134
ENSP00000334650	2.80E-06	-0.2726	0	0.134
ENSP00000461460	1.47E-05	-0.2726	167	0.000
ENSP00000355736	8.05E-06	-0.2726	0	0.063
ENSP00000380427	4.82E-06	-0.2728	0	0.239
ENSP00000366477	1.52E-06	-0.2728	0	0.000
ENSP00000331474	4.40E-06	-0.2728	0	0.103
ENSP00000361473	3.46E-06	-0.2728	0	0.877
ENSP00000361337	6.26E-06	-0.2729	0	0.126
ENSP00000300658	3.94E-06	-0.2729	0	0.054
ENSP00000321731	8.57E-06	-0.2729	201	0.564
ENSP00000340467	3.17E-06	-0.2730	0	0.104
ENSP00000324196	2.87E-06	-0.2731	0	0.082
ENSP00000385995	2.74E-06	-0.2731	0	0.372
ENSP00000370129	6.39E-06	-0.2731	243	0.197
ENSP00000333183	5.06E-06	-0.2731	0	0.547
ENSP00000382120	5.91E-06	-0.2732	315	0.458
ENSP00000451304	1.04E-05	-0.2732	187	0.000
ENSP00000416797	1.97E-06	-0.2733	0	0.073
ENSP00000338624	5.92E-06	-0.2734	0	0.104
ENSP00000369374	4.68E-06	-0.2734	0	0.651
ENSP00000328495	5.66E-06	-0.2734	0	0.000
ENSP00000355119	4.41E-06	-0.2734	0	0.676
ENSP00000312457	1.01E-05	-0.2734	0	0.379
ENSP00000336783	3.63E-06	-0.2734	0	0.486
ENSP00000387046	2.45E-06	-0.2735	0	0.103
ENSP00000457682	1.73E-06	-0.2735	0	0.000
ENSP00000376570	5.05E-06	-0.2736	0	0.088
ENSP00000325144	2.35E-06	-0.2736	0	0.134
ENSP00000281806	1.42E-05	-0.2737	210	0.530
ENSP00000362125	3.45E-06	-0.2737	0	0.140
ENSP00000371497	5.16E-06	-0.2737	0	0.082
ENSP00000357474	4.40E-06	-0.2738	0	0.130
ENSP00000360020	7.36E-06	-0.2739	448	0.618
ENSP00000366396	1.26E-05	-0.2739	204	0.000
ENSP00000362975	5.64E-06	-0.2739	0	0.000
ENSP00000268281	7.86E-06	-0.2740	0	0.147
ENSP00000357883	3.51E-06	-0.2740	0	0.431
ENSP00000263671	1.33E-05	-0.2740	359	0.452
ENSP00000310880	4.31E-06	-0.2740	0	0.191

ENSP00000353462	6.10E-06	-0.2741	0	0.140
ENSP00000358142	4.09E-06	-0.2741	0	0.140
ENSP00000287152	3.54E-06	-0.2741	196	0.162
ENSP00000357631	2.84E-06	-0.2741	0	0.252
ENSP00000252597	3.92E-06	-0.2741	0	0.125
ENSP00000362469	3.70E-06	-0.2741	0	0.094
ENSP00000328352	6.64E-06	-0.2742	0	0.216
ENSP00000367721	3.34E-06	-0.2742	0	0.527
ENSP00000302811	1.35E-05	-0.2742	304	0.655
ENSP00000300226	7.54E-06	-0.2742	0	0.181
ENSP00000260453	5.56E-06	-0.2742	0	0.139
ENSP00000370508	4.80E-06	-0.2742	324	0.724
ENSP00000347548	3.27E-06	-0.2743	0	0.093
ENSP00000276077	4.39E-06	-0.2744	0	0.134
ENSP00000324944	3.77E-06	-0.2744	0	0.132
ENSP00000346378	8.72E-06	-0.2744	252	0.269
ENSP00000341490	4.29E-06	-0.2745	0	0.103
ENSP00000352284	3.16E-06	-0.2745	0	0.147
ENSP00000412957	2.99E-06	-0.2745	0	0.477
ENSP00000361202	5.54E-06	-0.2746	0	0.672
ENSP00000242819	3.82E-06	-0.2746	0	0.179
ENSP00000361935	4.40E-06	-0.2746	0	0.223
ENSP00000249016	1.32E-05	-0.2746	173	0.596
ENSP00000354916	3.90E-06	-0.2747	0	0.000
ENSP00000256367	4.57E-06	-0.2747	0	0.118
ENSP00000266068	6.98E-06	-0.2748	0	0.223
ENSP00000411827	2.58E-06	-0.2748	0	0.128
ENSP00000253699	3.58E-06	-0.2749	0	0.000
ENSP00000309338	8.74E-06	-0.2749	0	0.324
ENSP00000407761	3.68E-06	-0.2749	0	0.208
ENSP00000292586	4.82E-06	-0.2750	0	0.247
ENSP00000350976	3.86E-06	-0.2750	0	0.118
ENSP00000419974	3.53E-06	-0.2752	0	0.196
ENSP00000297814	3.23E-06	-0.2753	0	0.325
ENSP00000365075	8.05E-06	-0.2753	0	0.161
ENSP00000418661	1.88E-06	-0.2753	0	0.073
ENSP00000368818	3.20E-06	-0.2753	0	0.163
ENSP00000296327	1.02E-05	-0.2754	0	0.161
ENSP00000237275	9.23E-06	-0.2754	0	0.137
ENSP00000358931	7.48E-06	-0.2754	401	0.446
ENSP00000339613	4.71E-06	-0.2755	0	0.118
ENSP00000356278	3.54E-06	-0.2755	0	0.089
ENSP00000392879	1.50E-06	-0.2755	0	0.000
ENSP00000390111	3.52E-06	-0.2755	0	0.080
ENSP00000226578	1.12E-05	-0.2756	239	0.215
ENSP00000313384	2.82E-06	-0.2756	0	0.000

ENSP00000389289	6.80E-06	-0.2756	243	0.121
ENSP00000355302	3.91E-06	-0.2756	0	0.120
ENSP00000427900	4.14E-06	-0.2757	0	0.201
ENSP00000341346	5.08E-06	-0.2758	0	0.096
ENSP00000333638	3.90E-06	-0.2758	0	0.128
ENSP00000356366	7.12E-06	-0.2759	278	0.085
ENSP00000308893	1.27E-05	-0.2761	160	0.171
ENSP00000373684	1.46E-05	-0.2761	490	0.662
ENSP00000394794	7.40E-06	-0.2761	0	0.824
ENSP00000333234	3.24E-06	-0.2761	0	0.091
ENSP00000356411	4.90E-06	-0.2761	0	0.247
ENSP00000364580	4.50E-06	-0.2763	0	0.229
ENSP00000320017	3.98E-06	-0.2764	0	0.203
ENSP00000310969	3.25E-06	-0.2764	0	0.000
ENSP00000348915	2.56E-06	-0.2764	0	0.230
ENSP00000402935	4.40E-06	-0.2764	0	0.091
ENSP00000357812	2.39E-06	-0.2766	0	0.241
ENSP00000281471	4.42E-06	-0.2766	0	0.158
ENSP00000361338	1.90E-06	-0.2766	0	0.000
ENSP00000264651	8.16E-06	-0.2767	0	0.124
ENSP00000378050	3.28E-06	-0.2767	0	0.134
ENSP00000440594	3.98E-06	-0.2767	0	0.109
ENSP00000303486	8.14E-06	-0.2767	0	0.150
ENSP00000259873	4.33E-06	-0.2768	0	0.412
ENSP00000431822	2.88E-05	-0.2768	345	0.673
ENSP00000375082	3.68E-06	-0.2768	0	0.177
ENSP00000354543	3.65E-06	-0.2768	0	0.139
ENSP00000221462	1.01E-05	-0.2769	0	0.125
ENSP00000348635	5.63E-06	-0.2769	0	0.098
ENSP00000414378	4.70E-06	-0.2769	0	0.664
ENSP00000366402	2.77E-06	-0.2769	0	0.122
ENSP00000335196	6.31E-06	-0.2770	0	0.183
ENSP00000320401	4.25E-06	-0.2770	0	0.131
ENSP00000356992	2.08E-06	-0.2771	0	0.102
ENSP00000326445	2.50E-06	-0.2773	0	0.135
ENSP00000444777	4.20E-06	-0.2774	205	0.000
ENSP00000273390	8.33E-06	-0.2775	0	0.113
ENSP00000273980	2.56E-06	-0.2776	0	0.125
ENSP00000385739	4.26E-06	-0.2777	0	0.126
ENSP00000357507	2.59E-06	-0.2777	0	0.133
ENSP00000355192	4.57E-06	-0.2777	0	0.424
ENSP00000463483	1.50E-06	-0.2777	0	0.125
ENSP00000381566	4.04E-06	-0.2778	0	0.109
ENSP00000357807	3.01E-06	-0.2779	0	0.093
ENSP00000417229	6.39E-06	-0.2780	206	0.861
ENSP00000322486	6.66E-06	-0.2780	0	0.095

ENSP00000330051	4.13E-06	-0.2780	0	0.126
ENSP00000344929	3.27E-06	-0.2781	0	0.139
ENSP00000305725	6.01E-06	-0.2781	0	0.095
ENSP00000215912	4.88E-06	-0.2781	0	0.067
ENSP00000343318	3.81E-06	-0.2782	0	0.074
ENSP00000303928	4.54E-06	-0.2783	0	0.221
ENSP00000321617	3.87E-06	-0.2784	0	0.135
ENSP00000364150	4.91E-06	-0.2784	0	0.159
ENSP00000201647	5.15E-06	-0.2784	0	0.111
ENSP00000460823	4.19E-06	-0.2786	0	0.196
ENSP00000286544	6.54E-06	-0.2787	0	0.151
ENSP00000296350	9.88E-06	-0.2788	0	0.119
ENSP00000170150	1.08E-05	-0.2788	0	0.120
ENSP00000376432	4.96E-06	-0.2788	0	0.406
ENSP00000356529	9.77E-06	-0.2789	188	0.485
ENSP00000227065	9.93E-06	-0.2789	0	0.126
ENSP00000355969	7.50E-06	-0.2791	0	0.289
ENSP00000216068	3.66E-06	-0.2792	0	0.120
ENSP00000393912	6.49E-06	-0.2792	163	0.000
ENSP00000369445	2.35E-06	-0.2792	0	0.000
ENSP00000362629	1.82E-06	-0.2792	0	0.000
ENSP00000381970	1.86E-06	-0.2793	0	0.113
ENSP00000365757	4.22E-06	-0.2793	0	0.435
ENSP00000239614	1.14E-05	-0.2794	0	0.137
ENSP00000455510	3.94E-06	-0.2794	0	0.143
ENSP00000462972	6.16E-06	-0.2794	488	0.413
ENSP00000373277	3.85E-06	-0.2795	0	0.137
ENSP00000391742	5.82E-06	-0.2795	0	0.198
ENSP00000357773	3.96E-06	-0.2795	0	0.125
ENSP00000339340	4.64E-06	-0.2796	0	0.120
ENSP00000376397	3.59E-06	-0.2796	0	0.084
ENSP00000270824	3.47E-06	-0.2796	0	0.103
ENSP00000334219	4.95E-06	-0.2797	0	0.098
ENSP00000356792	1.40E-05	-0.2797	196	0.578
ENSP00000167106	1.33E-05	-0.2798	0	0.168
ENSP00000292894	2.42E-06	-0.2798	0	0.153
ENSP00000345667	6.00E-06	-0.2798	0	0.093
ENSP00000331435	5.20E-06	-0.2799	0	0.547
ENSP00000415026	1.82E-06	-0.2799	0	0.097
ENSP00000377878	5.06E-06	-0.2799	154	0.439
ENSP00000358510	2.79E-06	-0.2800	0	0.122
ENSP00000380646	2.48E-06	-0.2800	0	0.141
ENSP00000266395	1.21E-05	-0.2801	0	0.222
ENSP00000346130	3.61E-06	-0.2801	0	0.093
ENSP00000304676	7.05E-06	-0.2801	0	0.345
ENSP00000357769	3.35E-06	-0.2802	0	0.169



ENSP00000309792	3.13E-06	-0.2802	0	0.102
ENSP00000379531	4.71E-06	-0.2803	0	0.097
ENSP00000365351	8.16E-06	-0.2803	0	0.247
ENSP00000337804	5.13E-06	-0.2804	0	0.065
ENSP00000331062	8.18E-06	-0.2804	0	0.184
ENSP00000328397	8.08E-06	-0.2804	0	0.109
ENSP00000381611	1.83E-06	-0.2804	0	0.142
ENSP00000424126	7.15E-06	-0.2804	0	0.116
ENSP00000359942	3.95E-06	-0.2805	0	0.107
ENSP00000294664	5.17E-06	-0.2805	0	0.091
ENSP00000371577	2.57E-06	-0.2806	0	0.130
ENSP00000309595	4.85E-06	-0.2806	163	0.000
ENSP00000379908	3.87E-06	-0.2808	0	0.126
ENSP00000370964	4.91E-06	-0.2809	0	0.000
ENSP00000429273	1.93E-06	-0.2810	0	0.149
ENSP00000317439	3.93E-06	-0.2811	0	0.110
ENSP00000393161	3.55E-06	-0.2814	0	0.120
ENSP00000267853	6.46E-06	-0.2815	0	0.264
ENSP00000311122	3.76E-06	-0.2815	0	0.156
ENSP00000349781	2.87E-06	-0.2816	0	0.142
ENSP00000349336	2.73E-06	-0.2817	0	0.149
ENSP00000330148	4.21E-06	-0.2817	0	0.112
ENSP00000382804	1.24E-06	-0.2817	0	0.169
ENSP00000280358	4.94E-06	-0.2818	0	0.238
ENSP00000427401	9.41E-07	-0.2818	0	0.118
ENSP00000355607	3.77E-06	-0.2818	0	0.251
ENSP00000407818	2.34E-06	-0.2819	0	0.181
ENSP00000350336	1.40E-05	-0.2820	0	0.112
ENSP00000366827	4.26E-06	-0.2820	0	0.070
ENSP00000402152	1.08E-05	-0.2820	159	0.179
ENSP00000301419	5.34E-06	-0.2821	0	0.072
ENSP00000359928	7.35E-06	-0.2821	201	0.000
ENSP00000388825	9.40E-06	-0.2821	177	0.570
ENSP00000298050	3.62E-06	-0.2821	0	0.125
ENSP00000417583	8.57E-06	-0.2822	224	0.182
ENSP00000299481	9.54E-06	-0.2822	0	0.115
ENSP00000218056	8.13E-06	-0.2826	0	0.106
ENSP00000464265	2.58E-05	-0.2826	295	0.000
ENSP00000358617	2.46E-06	-0.2826	0	0.460
ENSP00000338164	3.10E-06	-0.2828	0	0.139
ENSP00000371734	8.10E-06	-0.2828	201	0.708
ENSP00000368808	5.37E-06	-0.2828	0	0.222
ENSP00000259213	1.05E-05	-0.2828	0	0.100
ENSP00000323302	1.02E-05	-0.2828	178	0.154
ENSP00000288976	5.35E-06	-0.2829	165	0.000
ENSP00000419503	2.92E-06	-0.2829	0	0.000

ENSP00000387185	2.64E-06	-0.2829	0	0.077
ENSP00000306324	6.29E-06	-0.2829	0	0.165
ENSP00000253193	9.81E-06	-0.2831	0	0.154
ENSP00000315626	6.59E-06	-0.2832	0	0.152
ENSP00000260008	3.82E-06	-0.2832	0	0.237
ENSP00000353695	3.35E-06	-0.2832	0	0.075
ENSP00000182096	8.31E-06	-0.2832	0	0.000
ENSP00000355968	4.52E-06	-0.2832	0	0.659
ENSP00000272438	4.08E-06	-0.2832	0	0.114
ENSP00000383234	9.50E-06	-0.2833	344	0.667
ENSP00000378191	1.05E-05	-0.2834	353	0.706
ENSP00000380795	4.22E-06	-0.2834	0	0.000
ENSP00000290722	9.49E-06	-0.2834	0	0.274
ENSP00000352282	2.55E-06	-0.2835	0	0.218
ENSP00000396704	2.04E-05	-0.2835	697	0.740
ENSP00000318641	3.54E-06	-0.2835	0	0.332
ENSP00000356990	3.36E-06	-0.2836	0	0.273
ENSP00000442793	3.21E-06	-0.2837	0	0.118
ENSP00000363999	1.61E-06	-0.2837	0	0.269
ENSP00000348982	5.52E-06	-0.2837	0	0.144
ENSP00000356905	4.38E-06	-0.2838	0	0.145
ENSP00000417919	1.68E-05	-0.2839	153	0.000
ENSP00000399356	1.63E-06	-0.2839	0	0.127
ENSP00000323635	5.50E-06	-0.2839	0	0.095
ENSP00000348831	6.49E-06	-0.2840	195	0.501
ENSP00000381782	2.00E-06	-0.2840	0	0.083
ENSP00000273857	1.05E-05	-0.2840	0	0.680
ENSP00000368173	2.49E-06	-0.2841	0	0.155
ENSP00000314520	1.18E-05	-0.2841	282	0.346
ENSP00000430344	5.48E-06	-0.2842	0	0.516
ENSP00000417901	6.51E-06	-0.2843	392	0.271
ENSP00000333064	2.90E-06	-0.2844	0	0.177
ENSP00000307004	6.54E-06	-0.2844	0	0.486
ENSP00000393963	3.76E-06	-0.2844	0	0.261
ENSP00000419195	3.69E-06	-0.2845	0	0.000
ENSP00000357909	3.97E-06	-0.2846	0	0.441
ENSP00000364092	4.78E-06	-0.2846	0	0.127
ENSP00000263196	5.57E-06	-0.2846	0	0.202
ENSP00000391137	9.06E-06	-0.2846	202	0.671
ENSP00000376349	4.82E-06	-0.2847	201	0.269
ENSP00000340982	3.92E-06	-0.2847	0	0.159
ENSP00000429216	4.16E-06	-0.2847	0	0.090
ENSP00000283916	9.95E-06	-0.2847	212	0.333
ENSP00000369344	2.87E-06	-0.2848	0	0.148
ENSP00000450895	7.46E-06	-0.2848	201	0.598
ENSP00000342197	3.93E-06	-0.2848	0	0.164

ENSP00000379090	2.83E-06	-0.2849	0	0.234
ENSP00000334714	6.16E-06	-0.2849	0	0.121
ENSP00000434614	1.13E-05	-0.2849	320	0.661
ENSP00000386181	3.23E-06	-0.2850	0	0.064
ENSP00000363391	9.99E-06	-0.2850	524	0.051
ENSP00000274473	3.67E-06	-0.2850	0	0.182
ENSP00000371397	2.17E-06	-0.2851	0	0.123
ENSP00000319476	9.07E-06	-0.2852	0	0.410
ENSP00000350032	5.88E-06	-0.2853	0	0.116
ENSP00000315152	1.02E-05	-0.2853	244	0.801
ENSP00000301599	1.12E-05	-0.2853	0	0.157
ENSP00000300591	6.80E-06	-0.2854	0	0.111
ENSP00000261007	1.25E-05	-0.2854	150	0.574
ENSP00000368814	4.78E-06	-0.2856	0	0.107
ENSP00000338627	5.14E-06	-0.2856	0	0.072
ENSP00000280606	8.05E-06	-0.2856	0	0.184
ENSP00000338034	7.63E-06	-0.2857	0	0.095
ENSP00000468969	2.93E-06	-0.2857	0	0.163
ENSP00000312753	2.57E-06	-0.2858	0	0.114
ENSP00000368295	7.70E-06	-0.2858	205	0.000
ENSP00000364257	7.02E-06	-0.2859	0	0.129
ENSP00000299340	3.68E-06	-0.2860	0	0.138
ENSP00000370555	3.36E-06	-0.2860	0	0.056
ENSP00000378077	1.99E-06	-0.2860	0	0.156
ENSP00000389649	3.74E-06	-0.2860	0	0.294
ENSP00000378132	8.91E-06	-0.2860	150	0.784
ENSP00000313890	5.14E-06	-0.2862	0	0.000
ENSP00000361965	3.79E-06	-0.2862	0	0.684
ENSP00000379339	5.27E-06	-0.2862	195	0.721
ENSP00000386807	1.14E-06	-0.2862	0	0.186
ENSP00000252939	8.81E-06	-0.2862	0	0.094
ENSP00000259963	1.25E-05	-0.2863	0	0.116
ENSP00000435352	1.44E-06	-0.2863	0	0.000
ENSP00000344041	3.00E-06	-0.2864	0	0.123
ENSP00000307275	6.19E-06	-0.2864	0	0.111
ENSP00000267406	4.83E-06	-0.2865	0	0.122
ENSP00000344551	6.93E-06	-0.2866	0	0.140
ENSP00000423660	3.30E-06	-0.2866	0	0.159
ENSP00000426691	1.69E-06	-0.2867	0	0.115
ENSP00000345767	7.44E-06	-0.2867	202	0.743
ENSP00000275560	7.87E-06	-0.2867	0	0.000
ENSP00000281703	7.66E-06	-0.2869	0	0.142
ENSP00000379364	6.29E-06	-0.2869	171	0.658
ENSP00000352272	5.10E-06	-0.2870	0	0.228
ENSP00000319591	1.30E-05	-0.2871	514	0.322
ENSP00000443824	3.56E-06	-0.2871	0	0.415

ENSP00000339867	1.12E-05	-0.2871	225	0.275
ENSP00000339292	5.56E-06	-0.2872	0	0.105
ENSP00000280020	6.02E-06	-0.2872	0	0.189
ENSP00000303584	1.08E-05	-0.2873	313	0.578
ENSP00000358999	2.30E-06	-0.2874	0	0.104
ENSP00000206513	9.67E-06	-0.2875	0	0.734
ENSP00000393539	4.09E-06	-0.2875	0	0.000
ENSP00000325589	8.04E-06	-0.2875	0	0.175
ENSP00000318846	5.03E-06	-0.2875	0	0.000
ENSP00000259407	5.11E-06	-0.2875	0	0.177
ENSP00000393241	4.91E-06	-0.2876	388	0.756
ENSP00000437409	5.13E-06	-0.2878	0	0.792
ENSP00000339621	8.12E-06	-0.2879	0	0.000
ENSP00000405600	7.00E-06	-0.2880	0	0.075
ENSP00000264233	1.06E-05	-0.2880	274	0.000
ENSP00000340088	8.36E-06	-0.2880	0	0.096
ENSP00000301204	3.39E-06	-0.2880	0	0.118
ENSP00000429969	4.70E-06	-0.2880	0	0.176
ENSP00000265294	4.98E-06	-0.2881	0	0.226
ENSP00000365025	4.84E-06	-0.2881	0	0.731
ENSP00000373566	2.63E-06	-0.2881	0	0.121
ENSP00000331691	2.64E-06	-0.2881	0	0.151
ENSP00000350592	2.70E-06	-0.2883	0	0.239
ENSP00000257663	5.63E-06	-0.2883	0	0.112
ENSP00000358316	5.41E-06	-0.2883	0	0.094
ENSP00000366271	3.24E-06	-0.2884	0	0.000
ENSP00000160373	1.37E-05	-0.2884	201	0.603
ENSP00000295645	5.15E-06	-0.2884	0	0.083
ENSP00000350961	1.40E-06	-0.2884	0	0.000
ENSP00000409637	4.51E-06	-0.2885	0	0.000
ENSP00000328677	4.80E-06	-0.2886	0	0.123
ENSP00000309087	4.77E-08	-0.2886	0	0.215
ENSP00000358956	4.01E-06	-0.2887	0	0.094
ENSP00000300022	4.41E-06	-0.2888	0	0.146
ENSP00000338927	3.41E-06	-0.2889	0	0.066
ENSP00000223026	7.97E-06	-0.2890	0	0.061
ENSP00000375066	1.25E-05	-0.2890	223	0.537
ENSP00000341584	7.80E-06	-0.2890	0	0.358
ENSP00000359848	3.04E-06	-0.2891	0	0.070
ENSP00000273588	1.18E-05	-0.2891	263	0.408
ENSP00000427562	6.90E-06	-0.2891	221	0.672
ENSP00000257836	9.55E-06	-0.2892	0	0.166
ENSP00000442770	3.87E-06	-0.2892	0	0.625
ENSP00000302289	6.83E-06	-0.2893	0	0.064
ENSP00000387941	8.03E-06	-0.2894	216	0.241
ENSP00000357804	2.75E-06	-0.2894	0	0.310

ENSP00000295966	3.05E-06	-0.2895	0	0.108
ENSP00000357943	4.35E-06	-0.2898	0	0.056
ENSP00000410007	1.20E-06	-0.2901	0	0.085
ENSP00000259989	5.40E-06	-0.2901	0	0.126
ENSP00000310003	3.96E-06	-0.2903	0	0.113
ENSP00000263370	4.85E-06	-0.2905	0	0.107
ENSP00000376227	2.80E-06	-0.2905	0	0.128
ENSP00000385545	2.65E-06	-0.2906	0	0.178
ENSP00000377086	8.39E-06	-0.2906	247	0.000
ENSP00000360492	2.71E-06	-0.2906	0	0.326
ENSP00000328327	1.19E-05	-0.2907	307	0.000
ENSP00000386069	8.94E-06	-0.2907	173	0.540
ENSP00000349989	2.46E-06	-0.2908	0	0.000
ENSP00000359719	1.06E-05	-0.2908	902	0.642
ENSP00000348813	1.79E-06	-0.2908	0	0.109
ENSP00000307860	7.33E-06	-0.2909	0	0.120
ENSP00000360398	3.57E-06	-0.2910	0	0.135
ENSP00000314560	4.82E-06	-0.2910	0	0.100
ENSP00000339182	4.36E-06	-0.2910	0	0.142
ENSP00000374036	2.90E-06	-0.2910	0	0.229
ENSP00000472698	1.25E-06	-0.2911	0	0.000
ENSP00000223864	1.22E-05	-0.2911	0	0.112
ENSP00000222032	7.80E-06	-0.2911	0	0.124
ENSP00000283713	1.27E-05	-0.2912	583	0.254
ENSP00000357022	3.70E-06	-0.2912	0	0.144
ENSP00000333744	2.05E-06	-0.2913	0	0.188
ENSP00000397644	1.88E-06	-0.2914	0	0.000
ENSP00000431184	6.20E-06	-0.2914	0	0.177
ENSP00000362639	2.28E-06	-0.2914	0	0.261
ENSP00000332504	1.15E-05	-0.2914	0	0.538
ENSP00000418532	3.34E-06	-0.2914	0	0.135
ENSP00000352992	3.79E-06	-0.2915	0	0.131
ENSP00000410186	2.98E-06	-0.2915	0	0.371
ENSP00000232508	4.61E-06	-0.2915	0	0.118
ENSP00000264784	3.70E-06	-0.2915	0	0.119
ENSP00000344140	2.51E-06	-0.2916	0	0.106
ENSP00000343636	5.36E-06	-0.2917	0	0.090
ENSP00000342518	3.45E-06	-0.2917	0	0.117
ENSP00000370126	3.12E-06	-0.2917	0	0.153
ENSP00000347915	2.34E-06	-0.2918	0	0.085
ENSP00000219207	5.59E-06	-0.2918	0	0.108
ENSP00000229583	5.54E-06	-0.2918	0	0.139
ENSP00000362841	5.08E-06	-0.2919	0	0.094
ENSP00000415635	4.88E-06	-0.2919	165	0.000
ENSP00000355109	2.94E-06	-0.2920	0	0.118
ENSP00000261369	4.39E-06	-0.2920	0	0.135

ENSP00000340914	4.85E-06	-0.2920	0	0.169
ENSP00000385571	8.44E-06	-0.2921	189	0.000
ENSP00000378033	3.13E-06	-0.2921	0	0.149
ENSP00000296051	9.42E-06	-0.2921	370	0.450
ENSP00000470389	1.33E-06	-0.2922	0	0.000
ENSP00000472409	1.33E-06	-0.2922	0	0.302
ENSP00000370801	2.77E-06	-0.2923	0	0.547
ENSP00000360214	2.73E-06	-0.2923	0	0.124
ENSP00000381253	3.80E-06	-0.2924	0	0.712
ENSP00000329507	5.08E-06	-0.2924	0	0.348
ENSP00000354335	8.36E-06	-0.2925	0	0.135
ENSP00000371929	4.31E-06	-0.2926	0	0.273
ENSP00000331418	9.98E-06	-0.2926	157	0.530
ENSP00000354722	3.26E-06	-0.2927	0	0.824
ENSP00000329942	4.47E-06	-0.2929	0	0.000
ENSP00000283025	4.07E-06	-0.2930	0	0.101
ENSP00000433931	1.23E-05	-0.2930	0	0.172
ENSP00000360058	2.98E-06	-0.2931	0	0.503
ENSP00000226951	7.57E-06	-0.2931	0	0.171
ENSP00000353868	1.74E-06	-0.2931	0	0.138
ENSP00000324775	6.35E-06	-0.2932	0	0.106
ENSP00000376504	4.46E-06	-0.2932	0	0.384
ENSP00000384376	2.37E-06	-0.2932	0	0.534
ENSP00000335511	5.17E-06	-0.2933	0	0.335
ENSP00000261058	8.19E-06	-0.2934	0	0.087
ENSP00000304108	3.47E-06	-0.2936	0	0.101
ENSP00000355388	6.91E-06	-0.2936	202	0.000
ENSP00000374205	6.13E-06	-0.2937	0	0.869
ENSP00000354728	4.33E-06	-0.2937	0	0.148
ENSP00000368318	4.48E-06	-0.2938	317	0.636
ENSP00000310801	1.10E-05	-0.2938	0	0.000
ENSP00000384363	5.10E-06	-0.2938	215	0.112
ENSP00000318650	1.13E-05	-0.2938	287	0.639
ENSP00000413445	1.54E-06	-0.2940	0	0.149
ENSP00000472450	1.29E-06	-0.2940	0	0.000
ENSP00000362181	5.68E-06	-0.2940	0	0.526
ENSP00000444350	4.01E-06	-0.2940	0	0.000
ENSP00000329287	1.26E-05	-0.2942	254	0.291
ENSP00000317385	6.51E-06	-0.2942	0	0.099
ENSP00000281087	3.86E-06	-0.2944	0	0.052
ENSP00000225805	8.41E-06	-0.2945	0	0.144
ENSP00000454836	3.18E-06	-0.2946	0	0.879
ENSP00000300618	4.89E-06	-0.2946	0	0.000
ENSP00000359376	4.06E-06	-0.2947	0	0.083
ENSP00000391167	4.45E-06	-0.2947	0	0.073
ENSP00000455547	3.20E-06	-0.2948	0	0.000

ENSP00000354813	8.79E-06	-0.2948	185	0.452
ENSP00000320180	1.15E-05	-0.2949	262	0.659
ENSP00000332788	4.70E-06	-0.2949	0	0.087
ENSP00000423602	2.78E-06	-0.2950	0	0.249
ENSP00000307080	8.67E-06	-0.2951	181	0.705
ENSP00000249499	5.17E-06	-0.2951	0	0.818
ENSP00000326846	3.10E-06	-0.2952	0	0.132
ENSP00000264659	6.39E-06	-0.2953	0	0.000
ENSP00000335522	2.99E-06	-0.2953	0	0.239
ENSP00000369849	2.76E-06	-0.2953	0	0.128
ENSP00000324882	3.81E-06	-0.2953	0	0.111
ENSP00000350348	8.74E-06	-0.2954	251	0.568
ENSP00000337475	5.01E-06	-0.2955	0	0.088
ENSP00000262659	6.82E-06	-0.2956	0	0.130
ENSP00000321005	5.99E-06	-0.2956	0	0.084
ENSP00000340526	5.14E-06	-0.2956	0	0.304
ENSP00000370254	6.20E-06	-0.2957	243	0.223
ENSP00000295150	6.79E-06	-0.2957	0	0.137
ENSP00000322617	7.04E-06	-0.2957	0	0.313
ENSP00000261340	4.04E-06	-0.2957	0	0.120
ENSP00000372649	1.46E-06	-0.2957	0	0.142
ENSP00000366233	6.30E-06	-0.2957	0	0.151
ENSP00000312700	5.82E-06	-0.2957	0	0.154
ENSP00000365080	2.08E-06	-0.2957	0	0.108
ENSP00000381298	3.37E-06	-0.2957	0	0.117
ENSP00000321810	8.84E-06	-0.2958	343	0.604
ENSP00000347689	6.34E-06	-0.2958	511	0.659
ENSP00000243314	7.31E-06	-0.2959	0	0.000
ENSP00000264644	4.40E-06	-0.2960	0	0.094
ENSP00000392252	2.80E-06	-0.2960	0	0.081
ENSP00000389465	4.85E-06	-0.2960	311	0.000
ENSP00000328800	4.19E-06	-0.2960	0	0.102
ENSP00000375844	6.19E-06	-0.2961	284	0.000
ENSP00000260276	7.08E-06	-0.2962	0	0.122
ENSP00000356908	1.00E-05	-0.2962	439	0.277
ENSP00000230301	6.15E-06	-0.2962	0	0.118
ENSP00000359100	4.47E-06	-0.2963	0	0.402
ENSP00000272972	6.24E-06	-0.2966	0	0.136
ENSP00000307911	1.26E-05	-0.2966	941	0.051
ENSP00000361311	5.10E-06	-0.2967	0	0.107
ENSP00000326570	7.10E-06	-0.2967	0	0.089
ENSP00000461785	3.02E-06	-0.2968	0	0.250
ENSP00000320828	9.62E-06	-0.2968	0	0.145
ENSP00000218230	7.28E-06	-0.2968	0	0.146
ENSP00000250693	1.08E-05	-0.2969	0	0.208
ENSP00000356708	3.77E-06	-0.2969	0	0.770

ENSP00000312054	4.80E-06	-0.2969	0	0.000
ENSP00000387278	9.12E-06	-0.2970	398	0.502
ENSP00000330247	4.28E-06	-0.2970	0	0.100
ENSP00000365938	5.35E-06	-0.2971	274	0.120
ENSP00000234798	1.15E-05	-0.2971	0	0.107
ENSP00000473200	2.19E-06	-0.2971	0	0.000
ENSP00000403946	2.32E-06	-0.2972	0	0.000
ENSP00000358715	7.15E-06	-0.2972	191	0.128
ENSP00000420168	6.45E-06	-0.2973	0	0.322
ENSP00000403636	3.40E-06	-0.2973	0	0.422
ENSP00000472696	2.18E-06	-0.2975	0	0.000
ENSP00000332325	3.25E-06	-0.2975	0	0.272
ENSP00000272425	4.05E-06	-0.2976	0	0.145
ENSP00000270620	4.73E-06	-0.2976	0	0.000
ENSP00000357575	4.00E-06	-0.2977	0	0.000
ENSP00000333711	3.99E-06	-0.2977	0	0.000
ENSP00000375909	4.10E-06	-0.2977	0	0.087
ENSP00000392760	3.57E-06	-0.2978	0	0.337
ENSP00000362932	2.77E-06	-0.2978	0	0.111
ENSP00000267594	6.06E-06	-0.2981	0	0.129
ENSP00000348812	9.84E-06	-0.2981	169	0.757
ENSP00000362442	3.94E-06	-0.2981	0	0.244
ENSP00000237696	1.25E-05	-0.2982	0	0.142
ENSP00000263265	3.59E-06	-0.2983	0	0.198
ENSP00000402297	1.63E-06	-0.2983	0	0.137
ENSP00000223862	6.97E-06	-0.2984	0	0.316
ENSP00000354665	2.07E-06	-0.2984	0	0.130
ENSP00000330264	7.65E-06	-0.2984	0	0.181
ENSP00000357152	9.97E-06	-0.2985	208	0.671
ENSP00000260743	4.81E-06	-0.2985	0	0.103
ENSP00000406157	7.50E-06	-0.2985	0	0.665
ENSP00000416341	7.16E-06	-0.2985	0	0.065
ENSP00000329943	1.84E-06	-0.2985	0	0.131
ENSP00000365176	5.12E-06	-0.2986	0	0.100
ENSP00000399013	4.03E-06	-0.2987	0	0.068
ENSP00000273962	5.89E-06	-0.2988	0	0.740
ENSP00000335447	2.23E-06	-0.2989	0	0.130
ENSP00000267426	9.71E-06	-0.2989	0	0.246
ENSP00000306523	4.73E-06	-0.2990	0	0.319
ENSP00000359665	4.30E-06	-0.2990	0	0.661
ENSP00000310303	5.12E-06	-0.2991	0	0.285
ENSP00000229281	8.99E-06	-0.2992	0	0.117
ENSP00000419704	2.27E-06	-0.2993	0	0.000
ENSP00000411197	2.41E-06	-0.2994	0	0.126
ENSP00000299140	3.90E-06	-0.2994	0	0.110
ENSP00000295226	5.18E-06	-0.2995	0	0.138



ENSP00000264072	6.26E-06	-0.2995	0	0.436
ENSP00000409195	3.27E-06	-0.2997	0	0.000
ENSP00000243578	4.43E-06	-0.2997	0	0.159
ENSP00000334153	2.92E-06	-0.2997	0	0.135
ENSP00000412394	2.74E-06	-0.2998	0	0.000
ENSP00000341782	4.57E-06	-0.2998	0	0.099
ENSP00000248879	3.94E-06	-0.2998	0	0.118
ENSP00000369921	8.75E-06	-0.2999	0	0.158
ENSP00000364995	7.68E-06	-0.2999	0	0.785
ENSP00000322181	4.68E-06	-0.2999	0	0.077
ENSP00000374409	5.35E-06	-0.2999	0	0.590
ENSP00000417116	3.25E-06	-0.2999	0	0.491
ENSP00000420954	1.02E-06	-0.3000	0	0.000
ENSP00000354080	5.48E-06	-0.3000	0	0.067
ENSP00000382492	1.51E-06	-0.3000	0	0.190
ENSP00000393066	3.23E-06	-0.3000	0	0.090
ENSP00000418428	6.68E-06	-0.3003	0	0.120
ENSP00000369566	8.43E-06	-0.3003	0	0.418
ENSP00000416753	6.26E-06	-0.3004	0	0.086
ENSP00000328326	3.12E-06	-0.3004	0	0.085
ENSP00000284770	9.06E-06	-0.3004	0	0.403
ENSP00000301656	7.81E-06	-0.3005	0	0.122
ENSP00000346560	4.90E-06	-0.3006	0	0.169
ENSP00000381739	1.26E-05	-0.3006	829	0.895
ENSP00000222122	9.37E-06	-0.3006	0	0.527
ENSP00000286063	5.47E-06	-0.3007	511	0.657
ENSP00000454500	2.18E-06	-0.3008	0	0.000
ENSP00000301263	1.06E-05	-0.3009	0	0.210
ENSP00000380250	3.17E-06	-0.3010	0	0.047
ENSP00000227348	6.26E-06	-0.3010	0	0.093
ENSP00000427772	6.03E-06	-0.3011	211	0.302
ENSP00000368737	1.49E-06	-0.3011	0	0.202
ENSP00000363036	3.84E-06	-0.3011	0	0.000
ENSP00000380692	2.79E-06	-0.3011	0	0.000
ENSP00000320025	2.85E-06	-0.3013	0	0.254
ENSP00000340677	1.23E-05	-0.3013	835	0.875
ENSP00000331915	6.76E-06	-0.3014	0	0.136
ENSP00000355900	3.46E-06	-0.3014	0	0.118
ENSP00000272133	4.42E-06	-0.3014	0	0.078
ENSP00000292114	3.73E-06	-0.3014	0	0.100
ENSP00000456434	5.98E-06	-0.3015	246	0.000
ENSP00000358515	4.62E-06	-0.3015	0	0.073
ENSP00000247194	3.69E-06	-0.3016	0	0.103
ENSP00000345972	4.91E-06	-0.3016	0	0.114
ENSP00000357682	6.39E-06	-0.3017	202	0.636
ENSP00000374482	2.01E-06	-0.3017	0	0.134

ENSP00000295092	4.79E-06	-0.3017	0	0.084
ENSP00000361557	1.92E-06	-0.3018	0	0.231
ENSP00000309538	9.04E-06	-0.3018	151	0.105
ENSP00000353791	3.91E-06	-0.3019	0	0.075
ENSP00000303518	6.25E-06	-0.3019	201	0.541
ENSP00000216177	6.18E-06	-0.3019	0	0.136
ENSP00000307617	3.67E-06	-0.3020	0	0.000
ENSP00000406674	3.39E-06	-0.3020	0	0.362
ENSP00000359940	4.48E-06	-0.3020	0	0.124
ENSP00000356094	8.30E-06	-0.3021	303	0.284
ENSP00000290871	6.94E-06	-0.3021	0	0.082
ENSP00000355577	2.68E-06	-0.3022	0	0.098
ENSP00000339750	3.51E-06	-0.3022	0	0.140
ENSP00000355467	3.54E-06	-0.3024	0	0.070
ENSP00000388001	2.75E-05	-0.3025	903	0.667
ENSP00000308870	5.34E-06	-0.3025	0	0.103
ENSP00000441949	8.13E-07	-0.3025	0	0.156
ENSP00000324901	6.17E-06	-0.3025	0	0.097
ENSP00000363634	5.58E-06	-0.3025	355	0.521
ENSP00000342535	2.46E-06	-0.3026	0	0.096
ENSP00000364486	5.64E-06	-0.3026	153	0.669
ENSP00000452776	3.64E-06	-0.3026	0	0.097
ENSP00000352101	8.41E-06	-0.3026	153	0.000
ENSP00000272369	1.02E-05	-0.3027	163	0.821
ENSP00000275767	8.89E-06	-0.3029	0	0.107
ENSP00000245812	3.57E-06	-0.3030	0	0.078
ENSP00000349085	2.17E-06	-0.3030	0	0.495
ENSP00000311035	7.95E-06	-0.3030	0	0.197
ENSP00000345420	4.64E-06	-0.3031	0	0.557
ENSP00000400157	2.18E-06	-0.3031	0	0.069
ENSP00000365040	6.80E-06	-0.3032	162	0.000
ENSP00000365817	4.28E-06	-0.3033	0	0.438
ENSP00000360690	7.12E-06	-0.3033	208	0.000
ENSP00000359795	5.32E-06	-0.3033	0	0.233
ENSP00000244241	6.66E-06	-0.3033	0	0.374
ENSP00000435061	1.10E-06	-0.3034	0	0.175
ENSP00000280481	9.54E-06	-0.3034	206	0.186
ENSP00000341610	4.68E-06	-0.3034	0	0.161
ENSP00000253435	7.10E-06	-0.3035	0	0.000
ENSP00000286760	3.68E-06	-0.3036	0	0.148
ENSP00000363727	5.27E-06	-0.3037	0	0.374
ENSP00000286122	3.66E-06	-0.3038	0	0.459
ENSP00000302274	7.98E-06	-0.3038	0	0.099
ENSP00000381049	2.90E-06	-0.3038	0	0.000
ENSP00000368982	4.54E-06	-0.3040	0	0.252
ENSP00000373873	3.60E-06	-0.3040	0	0.240

ENSP00000272321	7.05E-06	-0.3041	0	0.255
ENSP00000368994	2.26E-06	-0.3041	0	0.256
ENSP00000348775	5.10E-06	-0.3041	0	0.317
ENSP00000326538	1.28E-05	-0.3041	158	0.085
ENSP00000356123	3.35E-06	-0.3041	0	0.106
ENSP00000456318	1.80E-06	-0.3042	0	0.000
ENSP00000358016	2.64E-06	-0.3044	0	0.201
ENSP00000358786	2.69E-06	-0.3044	0	0.097
ENSP00000249075	9.93E-06	-0.3044	0	0.775
ENSP00000402219	2.18E-06	-0.3045	0	0.107
ENSP00000326110	6.49E-06	-0.3047	0	0.101
ENSP00000428480	5.27E-06	-0.3047	0	0.869
ENSP00000393379	4.17E-06	-0.3047	0	0.289
ENSP00000264703	9.49E-06	-0.3048	0	0.105
ENSP00000355001	5.98E-06	-0.3049	0	0.824
ENSP00000374399	3.22E-06	-0.3050	0	0.815
ENSP00000244333	9.00E-06	-0.3051	0	0.186
ENSP00000264992	7.16E-06	-0.3051	0	0.077
ENSP00000358460	7.67E-06	-0.3052	271	0.152
ENSP00000417658	5.60E-06	-0.3052	0	0.067
ENSP00000330278	5.69E-06	-0.3052	0	0.093
ENSP00000275358	6.25E-06	-0.3054	0	0.088
ENSP00000381781	3.40E-06	-0.3056	0	0.000
ENSP00000331470	5.64E-06	-0.3057	0	0.720
ENSP00000413228	2.69E-06	-0.3057	0	0.000
ENSP00000417378	2.82E-06	-0.3057	0	0.135
ENSP00000267260	5.74E-06	-0.3058	0	0.228
ENSP00000389252	5.95E-06	-0.3058	0	0.120
ENSP00000265727	5.89E-06	-0.3059	0	0.248
ENSP00000347716	4.92E-06	-0.3059	0	0.558
ENSP00000310193	6.02E-06	-0.3060	0	0.114
ENSP00000374013	2.89E-06	-0.3060	0	0.607
ENSP00000253812	3.85E-06	-0.3061	0	0.149
ENSP00000347003	1.86E-06	-0.3061	0	0.000
ENSP00000320346	3.73E-06	-0.3061	0	0.514
ENSP00000405969	2.24E-06	-0.3062	0	0.118
ENSP00000312834	5.45E-06	-0.3062	0	0.274
ENSP00000344579	3.61E-06	-0.3063	0	0.112
ENSP00000362187	2.46E-06	-0.3064	0	0.118
ENSP00000221847	7.42E-06	-0.3064	0	0.243
ENSP00000399588	1.48E-06	-0.3064	0	0.253
ENSP00000377547	2.72E-06	-0.3066	0	0.130
ENSP00000357556	4.22E-06	-0.3067	0	0.606
ENSP00000253354	9.62E-06	-0.3069	0	0.107
ENSP00000368684	3.76E-06	-0.3069	0	0.370
ENSP00000386770	3.81E-06	-0.3069	0	0.105

ENSP00000184183	7.09E-06	-0.3069	0	0.093
ENSP00000307264	1.88E-06	-0.3070	0	0.164
ENSP00000355523	1.33E-05	-0.3070	252	0.614
ENSP00000455561	1.18E-06	-0.3070	0	0.000
ENSP00000369943	3.19E-06	-0.3071	0	0.082
ENSP00000363624	2.92E-06	-0.3073	0	0.160
ENSP00000256652	8.63E-06	-0.3074	0	0.129
ENSP00000381399	8.59E-06	-0.3074	0	0.065
ENSP00000347997	2.43E-06	-0.3076	0	0.139
ENSP00000308591	4.06E-06	-0.3076	0	0.084
ENSP00000242315	3.11E-06	-0.3076	0	0.000
ENSP00000334594	4.31E-06	-0.3076	0	0.075
ENSP00000357540	5.59E-06	-0.3076	0	0.104
ENSP00000340839	5.35E-06	-0.3077	487	0.106
ENSP00000286482	6.28E-06	-0.3077	0	0.216
ENSP00000366977	3.99E-06	-0.3077	0	0.185
ENSP00000423541	2.67E-06	-0.3077	0	0.074
ENSP00000365473	2.71E-06	-0.3079	0	0.085
ENSP00000468977	3.97E-06	-0.3080	0	0.836
ENSP00000250894	5.54E-06	-0.3080	0	0.425
ENSP00000249116	7.13E-06	-0.3080	0	0.092
ENSP00000346412	2.10E-06	-0.3081	0	0.105
ENSP00000274565	7.41E-06	-0.3081	0	0.126
ENSP00000284136	1.36E-05	-0.3081	0	0.502
ENSP00000225275	1.53E-05	-0.3082	0	0.175
ENSP00000361483	5.12E-06	-0.3082	0	0.138
ENSP00000402861	4.74E-06	-0.3082	0	0.532
ENSP00000353142	4.80E-06	-0.3083	0	0.080
ENSP00000367756	3.11E-06	-0.3083	0	0.296
ENSP00000334564	3.22E-06	-0.3084	0	0.740
ENSP00000326652	2.99E-06	-0.3084	0	0.148
ENSP00000259205	1.18E-05	-0.3084	0	0.318
ENSP00000246896	7.62E-06	-0.3084	0	0.099
ENSP00000421380	3.51E-06	-0.3084	0	0.256
ENSP00000366586	2.13E-06	-0.3084	0	0.097
ENSP00000345055	4.35E-06	-0.3084	0	0.186
ENSP00000398277	2.08E-06	-0.3086	0	0.000
ENSP00000318128	5.58E-06	-0.3087	0	0.095
ENSP00000436714	9.32E-06	-0.3088	206	0.504
ENSP00000367747	8.41E-06	-0.3088	0	0.446
ENSP00000293636	9.56E-06	-0.3089	0	0.205
ENSP00000355775	1.10E-05	-0.3090	158	0.866
ENSP00000276708	2.75E-06	-0.3090	0	0.107
ENSP00000353542	2.75E-06	-0.3090	0	0.111
ENSP00000420037	2.25E-06	-0.3090	0	0.090
ENSP00000358207	3.86E-06	-0.3091	0	0.750

ENSP00000237201	5.64E-06	-0.3091	0	0.130
ENSP00000365601	2.86E-06	-0.3092	0	0.076
ENSP00000347294	5.84E-06	-0.3093	0	0.750
ENSP00000292199	4.19E-06	-0.3093	0	0.361
ENSP00000414624	5.15E-06	-0.3093	201	0.569
ENSP00000289429	7.62E-06	-0.3094	0	0.131
ENSP00000370639	7.29E-06	-0.3094	198	0.105
ENSP00000303192	5.68E-06	-0.3094	0	0.434
ENSP00000298251	5.80E-06	-0.3094	0	0.170
ENSP00000336769	4.12E-06	-0.3095	0	0.159
ENSP00000340979	4.27E-06	-0.3096	0	0.097
ENSP00000248701	4.44E-06	-0.3097	0	0.127
ENSP00000335247	3.45E-06	-0.3097	0	0.099
ENSP00000324633	1.91E-06	-0.3098	0	0.077
ENSP00000309767	7.47E-06	-0.3098	0	0.122
ENSP00000440272	4.10E-06	-0.3099	179	0.000
ENSP00000334854	6.40E-06	-0.3099	0	0.097
ENSP00000340811	5.67E-06	-0.3099	0	0.084
ENSP00000355419	4.06E-06	-0.3099	0	0.106
ENSP00000286479	9.89E-06	-0.3100	216	0.382
ENSP00000419361	9.47E-06	-0.3101	0	0.646
ENSP00000429275	2.26E-06	-0.3103	0	0.088
ENSP00000387888	2.99E-06	-0.3103	0	0.000
ENSP00000329920	8.59E-06	-0.3103	0	0.000
ENSP00000319531	4.40E-06	-0.3105	0	0.275
ENSP00000384290	4.93E-06	-0.3105	0	0.084
ENSP00000354579	4.25E-06	-0.3105	0	0.134
ENSP00000370936	2.92E-06	-0.3106	0	0.865
ENSP00000369574	3.48E-06	-0.3106	0	0.427
ENSP00000305200	9.60E-06	-0.3108	271	0.128
ENSP00000370800	3.05E-06	-0.3110	0	0.669
ENSP00000386733	2.53E-06	-0.3110	0	0.000
ENSP00000290122	8.67E-06	-0.3110	0	0.159
ENSP00000261530	9.15E-06	-0.3112	0	0.073
ENSP00000295461	2.88E-06	-0.3112	0	0.093
ENSP00000323568	1.12E-05	-0.3113	253	0.664
ENSP00000220940	1.04E-05	-0.3114	0	0.158
ENSP00000277309	1.04E-06	-0.3115	0	0.000
ENSP00000341765	9.41E-06	-0.3116	0	0.114
ENSP00000340369	3.76E-06	-0.3116	0	0.000
ENSP00000329454	4.08E-06	-0.3117	0	0.278
ENSP00000298892	3.66E-06	-0.3118	0	0.236
ENSP00000390761	1.76E-06	-0.3118	0	0.000
ENSP00000400325	2.34E-06	-0.3118	0	0.000
ENSP00000397181	1.46E-05	-0.3118	360	0.767
ENSP00000353942	3.63E-06	-0.3119	0	0.000

ENSP00000359521	2.66E-06	-0.3119	0	0.080
ENSP00000420927	4.58E-06	-0.3120	185	0.492
ENSP00000330601	5.89E-06	-0.3120	0	0.131
ENSP00000352927	5.55E-06	-0.3121	0	0.000
ENSP00000290374	3.24E-06	-0.3121	0	0.123
ENSP00000273371	7.55E-06	-0.3122	0	0.071
ENSP00000262095	6.06E-06	-0.3124	0	0.000
ENSP00000328563	1.09E-06	-0.3124	0	0.000
ENSP00000302724	5.38E-06	-0.3125	0	0.133
ENSP00000320234	4.49E-06	-0.3125	0	0.093
ENSP00000312368	7.09E-06	-0.3127	0	0.112
ENSP00000369238	4.74E-06	-0.3127	0	0.120
ENSP00000326693	2.18E-06	-0.3128	0	0.064
ENSP00000297468	2.98E-06	-0.3128	0	0.161
ENSP00000364520	8.23E-06	-0.3129	396	0.415
ENSP00000428288	2.23E-06	-0.3129	0	0.111
ENSP00000328402	1.60E-05	-0.3130	159	0.000
ENSP00000359607	4.94E-06	-0.3131	0	0.107
ENSP00000218197	7.26E-06	-0.3131	0	0.104
ENSP00000404464	4.20E-06	-0.3131	0	0.175
ENSP00000302144	3.49E-06	-0.3132	0	0.179
ENSP00000260403	3.31E-06	-0.3132	0	0.105
ENSP00000364249	6.65E-06	-0.3133	176	0.249
ENSP00000286809	6.34E-06	-0.3134	0	0.000
ENSP00000303712	4.48E-06	-0.3135	0	0.520
ENSP00000374145	8.76E-06	-0.3136	207	0.219
ENSP00000289272	9.87E-06	-0.3137	0	0.095
ENSP00000370844	8.97E-06	-0.3137	230	0.334
ENSP00000364597	6.45E-06	-0.3137	0	0.455
ENSP00000303686	8.38E-06	-0.3138	159	0.496
ENSP00000351068	1.65E-06	-0.3139	0	0.134
ENSP00000233615	7.79E-06	-0.3140	0	0.137
ENSP00000312002	6.78E-06	-0.3141	0	0.464
ENSP00000364145	6.84E-06	-0.3141	174	0.304
ENSP00000303532	2.96E-06	-0.3142	0	0.100
ENSP00000339377	4.73E-06	-0.3142	0	0.503
ENSP00000320951	2.37E-06	-0.3142	0	0.088
ENSP00000386229	1.36E-05	-0.3143	188	0.564
ENSP00000358777	3.42E-06	-0.3143	0	0.055
ENSP00000344125	3.32E-06	-0.3143	0	0.000
ENSP00000198536	9.00E-06	-0.3144	0	0.168
ENSP00000334463	6.78E-06	-0.3146	0	0.111
ENSP00000355167	3.68E-06	-0.3147	0	0.341
ENSP00000278243	7.77E-06	-0.3147	0	0.106
ENSP00000258436	4.72E-06	-0.3147	0	0.074
ENSP00000360312	4.17E-06	-0.3147	0	0.138

ENSP00000219689	2.81E-06	-0.3148	0	0.080
ENSP00000278187	7.02E-06	-0.3149	0	0.330
ENSP00000350475	7.06E-06	-0.3149	0	0.000
ENSP00000429553	3.87E-06	-0.3149	0	0.655
ENSP00000358902	1.28E-06	-0.3151	0	0.105
ENSP00000296736	4.15E-06	-0.3151	0	0.165
ENSP00000268389	8.26E-06	-0.3151	0	0.122
ENSP00000304437	5.23E-06	-0.3151	0	0.098
ENSP00000282611	4.17E-06	-0.3152	0	0.064
ENSP00000369578	4.76E-06	-0.3152	0	0.156
ENSP00000251642	3.83E-06	-0.3152	0	0.648
ENSP00000323328	3.06E-06	-0.3153	0	0.121
ENSP00000362869	2.83E-06	-0.3153	0	0.090
ENSP00000356320	4.68E-06	-0.3153	0	0.341
ENSP00000362206	3.40E-06	-0.3154	0	0.120
ENSP00000305852	7.53E-06	-0.3154	0	0.082
ENSP00000349174	4.44E-06	-0.3154	0	0.093
ENSP00000361010	7.22E-06	-0.3154	205	0.830
ENSP00000363329	3.35E-06	-0.3155	0	0.089
ENSP00000281441	6.11E-06	-0.3157	0	0.128
ENSP00000332772	2.16E-06	-0.3159	0	0.159
ENSP00000466399	6.66E-06	-0.3163	340	0.000
ENSP00000330070	9.03E-06	-0.3163	158	0.507
ENSP00000368080	3.86E-06	-0.3163	0	0.282
ENSP00000470059	6.46E-06	-0.3163	169	0.000
ENSP00000421172	4.46E-06	-0.3163	0	0.149
ENSP00000403536	5.64E-06	-0.3164	0	0.716
ENSP00000348897	2.64E-06	-0.3164	0	0.257
ENSP00000344353	1.04E-05	-0.3164	210	0.480
ENSP00000310891	6.05E-06	-0.3164	0	0.000
ENSP00000369785	5.13E-06	-0.3165	0	0.202
ENSP00000354574	3.47E-06	-0.3166	0	0.093
ENSP00000216487	6.21E-06	-0.3166	0	0.140
ENSP00000329803	2.67E-06	-0.3168	0	0.217
ENSP00000259351	4.21E-06	-0.3169	0	0.095
ENSP00000362255	2.91E-06	-0.3170	0	0.064
ENSP00000309673	8.39E-07	-0.3170	0	0.000
ENSP00000304846	9.10E-07	-0.3171	0	0.000
ENSP00000296980	7.03E-06	-0.3171	0	0.478
ENSP00000302543	8.45E-06	-0.3172	0	0.223
ENSP00000267499	6.77E-06	-0.3172	0	0.000
ENSP00000363031	3.59E-06	-0.3174	0	0.115
ENSP00000310657	1.07E-05	-0.3174	213	0.346
ENSP00000328698	3.67E-06	-0.3176	0	0.088
ENSP00000334879	4.52E-06	-0.3176	0	0.165
ENSP00000269503	6.71E-06	-0.3177	0	0.132

ENSP00000256585	1.05E-05	-0.3180	0	0.104
ENSP00000303575	9.99E-06	-0.3180	163	0.337
ENSP00000272641	5.77E-06	-0.3180	0	0.264
ENSP00000357060	6.12E-06	-0.3181	211	0.414
ENSP00000348132	2.42E-06	-0.3181	0	0.111
ENSP00000361072	4.90E-06	-0.3181	0	0.116
ENSP00000388223	3.87E-06	-0.3182	0	0.000
ENSP00000361281	3.15E-06	-0.3183	0	0.063
ENSP00000272203	2.68E-06	-0.3184	0	0.198
ENSP00000388207	1.97E-06	-0.3184	0	0.119
ENSP00000366488	8.32E-06	-0.3185	587	0.634
ENSP00000325561	4.29E-06	-0.3185	0	0.107
ENSP00000419395	2.72E-06	-0.3186	0	0.135
ENSP00000293218	7.03E-06	-0.3186	0	0.000
ENSP00000322649	3.72E-06	-0.3187	0	0.103
ENSP00000326598	6.34E-06	-0.3187	0	0.154
ENSP00000459775	6.58E-06	-0.3187	202	0.687
ENSP00000295542	6.14E-06	-0.3188	0	0.160
ENSP00000298815	3.07E-06	-0.3189	0	0.181
ENSP00000324510	3.50E-06	-0.3190	0	0.084
ENSP00000419751	8.62E-06	-0.3190	165	0.312
ENSP00000358853	3.40E-06	-0.3190	0	0.153
ENSP00000364919	6.66E-06	-0.3191	448	0.591
ENSP00000216338	7.64E-06	-0.3191	0	0.196
ENSP00000395902	5.11E-06	-0.3191	0	0.000
ENSP00000244669	5.00E-06	-0.3192	0	0.083
ENSP00000297581	1.21E-05	-0.3193	0	0.118
ENSP00000329165	3.42E-06	-0.3193	0	0.121
ENSP00000369135	2.02E-06	-0.3193	0	0.061
ENSP00000364013	2.48E-06	-0.3194	0	0.115
ENSP00000218516	9.02E-06	-0.3194	0	0.141
ENSP00000395983	4.32E-06	-0.3194	0	0.097
ENSP00000429473	3.91E-06	-0.3198	0	0.058
ENSP00000442778	5.07E-06	-0.3199	0	0.000
ENSP00000377616	1.64E-06	-0.3199	0	0.000
ENSP00000301159	3.29E-06	-0.3200	0	0.300
ENSP00000231721	7.01E-06	-0.3201	0	0.339
ENSP00000362524	6.42E-06	-0.3201	0	0.268
ENSP00000217299	6.83E-06	-0.3201	0	0.000
ENSP00000342560	7.99E-06	-0.3201	197	0.504
ENSP00000339390	5.79E-06	-0.3202	0	0.091
ENSP00000255039	8.23E-06	-0.3202	0	0.092
ENSP00000331867	8.82E-06	-0.3202	403	0.383
ENSP00000334940	7.34E-06	-0.3203	0	0.392
ENSP00000367462	2.03E-06	-0.3204	0	0.054
ENSP00000306888	5.22E-06	-0.3204	0	0.081



ENSP00000344577	2.47E-06	-0.3205	0	0.187
ENSP00000371548	4.93E-06	-0.3205	0	0.103
ENSP00000215917	9.00E-06	-0.3207	0	0.081
ENSP00000400312	2.91E-06	-0.3207	0	0.343
ENSP00000346442	3.35E-06	-0.3208	0	0.155
ENSP00000456953	8.40E-06	-0.3208	201	0.571
ENSP00000308361	9.35E-06	-0.3208	207	0.470
ENSP00000457718	1.59E-06	-0.3209	0	0.000
ENSP00000216024	2.60E-06	-0.3209	340	0.000
ENSP00000268271	6.49E-06	-0.3212	0	0.000
ENSP00000337757	2.91E-06	-0.3212	0	0.139
ENSP00000223528	7.79E-06	-0.3214	0	0.184
ENSP00000434045	4.26E-06	-0.3215	0	0.423
ENSP00000276943	5.61E-06	-0.3215	0	0.207
ENSP00000266086	1.01E-05	-0.3215	200	0.145
ENSP00000233331	2.37E-06	-0.3216	0	0.200
ENSP00000321077	3.20E-06	-0.3217	0	0.115
ENSP00000311687	3.71E-06	-0.3219	0	0.072
ENSP00000359121	6.03E-06	-0.3219	0	0.089
ENSP00000344226	4.16E-06	-0.3219	0	0.000
ENSP00000415332	2.64E-06	-0.3219	0	0.083
ENSP00000335038	4.48E-06	-0.3220	0	0.112
ENSP00000355866	7.52E-06	-0.3222	158	0.757
ENSP00000237642	5.36E-06	-0.3222	0	0.000
ENSP00000377717	9.35E-06	-0.3225	900	0.128
ENSP00000279058	6.74E-06	-0.3226	0	0.124
ENSP00000247992	7.37E-06	-0.3227	0	0.179
ENSP00000284224	3.51E-06	-0.3228	0	0.066
ENSP00000310593	6.33E-06	-0.3228	301	0.155
ENSP00000399970	3.69E-06	-0.3228	0	0.440
ENSP00000268695	6.22E-06	-0.3229	0	0.092
ENSP00000394168	4.54E-06	-0.3230	0	0.160
ENSP00000353346	1.30E-05	-0.3231	582	0.191
ENSP00000377043	3.18E-06	-0.3231	0	0.080
ENSP00000358739	3.06E-06	-0.3232	0	0.209
ENSP00000296978	6.50E-06	-0.3233	0	0.149
ENSP00000307041	7.37E-06	-0.3233	0	0.112
ENSP00000302260	2.75E-06	-0.3235	0	0.160
ENSP00000252453	1.03E-05	-0.3237	0	0.094
ENSP00000364348	3.12E-06	-0.3239	0	0.000
ENSP00000384396	2.61E-06	-0.3239	0	0.000
ENSP00000259030	8.53E-06	-0.3240	0	0.096
ENSP00000275198	9.06E-06	-0.3241	209	0.174
ENSP00000327533	3.42E-06	-0.3241	0	0.118
ENSP00000334996	4.05E-06	-0.3242	0	0.110
ENSP00000332886	6.15E-06	-0.3242	0	0.125

ENSP00000344260	4.02E-06	-0.3242	0	0.085
ENSP00000356846	2.09E-06	-0.3242	0	0.129
ENSP00000342889	5.27E-06	-0.3242	187	0.778
ENSP00000248072	1.55E-05	-0.3243	207	0.000
ENSP00000261588	4.74E-06	-0.3243	0	0.111
ENSP00000254853	5.20E-06	-0.3244	0	0.080
ENSP00000330031	3.72E-06	-0.3245	0	0.509
ENSP00000359594	2.89E-06	-0.3246	0	0.093
ENSP00000417659	6.83E-06	-0.3246	196	0.675
ENSP00000294484	4.19E-06	-0.3246	0	0.086
ENSP00000356308	4.98E-06	-0.3246	0	0.291
ENSP00000328359	5.11E-06	-0.3247	0	0.143
ENSP00000195455	7.85E-06	-0.3247	0	0.000
ENSP00000258749	9.20E-06	-0.3247	0	0.000
ENSP00000370531	3.08E-06	-0.3249	0	0.095
ENSP00000319166	5.21E-06	-0.3249	0	0.135
ENSP00000303276	6.54E-06	-0.3249	0	0.383
ENSP00000441462	3.33E-06	-0.3249	0	0.055
ENSP00000370192	1.99E-06	-0.3251	0	0.114
ENSP00000309270	1.01E-05	-0.3251	974	0.069
ENSP00000350914	7.09E-06	-0.3252	0	0.300
ENSP00000255189	1.05E-05	-0.3252	235	0.399
ENSP00000321026	4.84E-06	-0.3253	0	0.115
ENSP00000300113	2.70E-06	-0.3253	0	0.000
ENSP00000344942	3.63E-06	-0.3254	0	0.103
ENSP00000240615	5.32E-06	-0.3254	0	0.171
ENSP00000359131	3.70E-06	-0.3254	0	0.070
ENSP00000354950	8.00E-06	-0.3254	329	0.334
ENSP00000256737	4.83E-06	-0.3254	0	0.102
ENSP00000418994	4.25E-06	-0.3256	0	0.164
ENSP00000357779	4.21E-06	-0.3256	0	0.103
ENSP00000306328	4.37E-06	-0.3256	0	0.076
ENSP00000350718	7.32E-06	-0.3257	914	0.076
ENSP00000343507	3.20E-06	-0.3257	0	0.158
ENSP00000358532	2.86E-06	-0.3258	0	0.129
ENSP00000222033	6.35E-06	-0.3258	0	0.106
ENSP00000323978	4.04E-06	-0.3259	0	0.094
ENSP00000261275	3.66E-06	-0.3259	0	0.164
ENSP00000427888	4.09E-06	-0.3260	0	0.103
ENSP00000333845	4.36E-06	-0.3260	0	0.200
ENSP00000248948	9.35E-06	-0.3261	0	0.106
ENSP00000256969	7.33E-06	-0.3262	0	0.000
ENSP00000274368	6.55E-06	-0.3262	0	0.238
ENSP00000271532	5.30E-06	-0.3263	0	0.244
ENSP00000300557	4.47E-06	-0.3263	0	0.089
ENSP00000311827	3.59E-06	-0.3265	0	0.388

ENSP00000260502	6.41E-06	-0.3266	0	0.101
ENSP00000354623	8.67E-06	-0.3267	349	0.244
ENSP00000335261	4.14E-06	-0.3268	0	0.097
ENSP00000366522	3.50E-06	-0.3269	0	0.353
ENSP00000400258	5.31E-06	-0.3269	0	0.071
ENSP00000257776	9.48E-06	-0.3270	0	0.077
ENSP00000269394	5.55E-06	-0.3271	0	0.106
ENSP00000305107	6.66E-06	-0.3271	0	0.085
ENSP00000354478	1.10E-05	-0.3271	162	0.859
ENSP00000216133	4.10E-06	-0.3272	0	0.744
ENSP00000363229	5.58E-06	-0.3273	0	0.507
ENSP00000462023	4.89E-06	-0.3273	305	0.788
ENSP00000307821	5.24E-06	-0.3274	0	0.000
ENSP00000342832	2.58E-06	-0.3274	0	0.105
ENSP00000358064	3.45E-06	-0.3275	0	0.620
ENSP00000363972	4.11E-06	-0.3276	0	0.078
ENSP00000329403	5.88E-06	-0.3276	0	0.075
ENSP00000302629	4.24E-06	-0.3276	0	0.059
ENSP00000324323	6.85E-06	-0.3276	0	0.083
ENSP00000292330	1.78E-06	-0.3278	0	0.127
ENSP00000251646	3.75E-06	-0.3279	0	0.104
ENSP00000342538	5.22E-06	-0.3279	0	0.123
ENSP00000303231	7.66E-06	-0.3280	0	0.699
ENSP00000424424	2.90E-06	-0.3280	0	0.102
ENSP00000357915	2.74E-06	-0.3281	0	0.053
ENSP00000342924	2.92E-06	-0.3282	0	0.488
ENSP00000410732	3.42E-06	-0.3282	0	0.333
ENSP00000410111	2.18E-06	-0.3282	0	0.649
ENSP00000289407	3.85E-06	-0.3282	0	0.000
ENSP00000356172	5.41E-06	-0.3282	0	0.673
ENSP00000378920	4.68E-06	-0.3283	0	0.100
ENSP00000362570	3.66E-06	-0.3283	0	0.138
ENSP00000361446	6.30E-06	-0.3284	383	0.798
ENSP00000261862	7.54E-06	-0.3286	0	0.124
ENSP00000345295	2.24E-06	-0.3286	0	0.144
ENSP00000362601	1.93E-06	-0.3287	0	0.079
ENSP00000273037	4.00E-06	-0.3288	0	0.091
ENSP00000312774	4.07E-06	-0.3288	0	0.071
ENSP00000296125	9.71E-06	-0.3290	0	0.117
ENSP00000310241	3.98E-06	-0.3290	0	0.054
ENSP00000379503	2.88E-06	-0.3290	0	0.562
ENSP00000284437	5.88E-06	-0.3293	0	0.129
ENSP00000303549	7.29E-06	-0.3294	206	0.166
ENSP00000364005	2.22E-06	-0.3294	0	0.000
ENSP00000341942	2.67E-06	-0.3295	0	0.152
ENSP00000334869	4.63E-06	-0.3295	0	0.102

ENSP00000332511	3.80E-06	-0.3295	0	0.087
ENSP00000377948	5.06E-06	-0.3295	0	0.449
ENSP00000359410	5.70E-06	-0.3296	0	0.097
ENSP00000260257	6.08E-06	-0.3297	0	0.285
ENSP00000218894	8.34E-06	-0.3297	0	0.571
ENSP00000342711	2.55E-06	-0.3298	0	0.129
ENSP00000308535	2.27E-06	-0.3298	0	0.089
ENSP00000202677	4.00E-06	-0.3298	0	0.103
ENSP00000354912	3.54E-06	-0.3299	0	0.090
ENSP00000331734	5.13E-06	-0.3299	0	0.000
ENSP00000434359	2.95E-06	-0.3301	0	0.836
ENSP00000282670	8.77E-06	-0.3301	0	0.107
ENSP00000378451	3.07E-06	-0.3302	0	0.000
ENSP00000289932	7.47E-06	-0.3302	0	0.183
ENSP00000359204	2.10E-06	-0.3303	0	0.000
ENSP00000359688	2.99E-06	-0.3303	0	0.881
ENSP00000272452	6.18E-06	-0.3303	0	0.081
ENSP00000417764	6.47E-06	-0.3304	150	0.372
ENSP00000375907	3.46E-06	-0.3306	0	0.130
ENSP00000310255	4.88E-06	-0.3307	0	0.093
ENSP00000408979	4.36E-06	-0.3308	0	0.364
ENSP00000007735	5.32E-06	-0.3309	0	0.087
ENSP00000391498	2.45E-06	-0.3309	0	0.057
ENSP00000383210	6.08E-06	-0.3311	0	0.000
ENSP00000307713	1.28E-05	-0.3312	242	0.000
ENSP00000435777	5.50E-06	-0.3312	401	0.865
ENSP00000297267	4.45E-06	-0.3312	0	0.225
ENSP00000255087	3.45E-06	-0.3312	0	0.582
ENSP00000297130	5.91E-06	-0.3312	0	0.096
ENSP00000262207	3.98E-06	-0.3313	0	0.081
ENSP00000319250	4.00E-06	-0.3313	0	0.300
ENSP00000334314	3.06E-06	-0.3313	0	0.189
ENSP00000309782	6.89E-06	-0.3313	0	0.156
ENSP00000360967	4.84E-06	-0.3315	0	0.000
ENSP00000367432	2.79E-06	-0.3315	0	0.111
ENSP00000356518	1.98E-06	-0.3315	0	0.151
ENSP00000228887	2.50E-06	-0.3316	0	0.169
ENSP00000359787	3.93E-06	-0.3316	0	0.177
ENSP00000394700	2.68E-06	-0.3317	0	0.074
ENSP00000366036	3.98E-06	-0.3318	0	0.151
ENSP00000325738	4.16E-06	-0.3319	0	0.295
ENSP00000393275	7.70E-06	-0.3319	0	0.305
ENSP00000321343	4.91E-06	-0.3319	0	0.084
ENSP00000470318	5.66E-06	-0.3322	216	0.000
ENSP00000289877	1.27E-05	-0.3324	0	0.095
ENSP00000455047	6.31E-06	-0.3324	315	0.391

ENSP00000309818	1.10E-05	-0.3324	231	0.573
ENSP00000246801	7.52E-06	-0.3324	0	0.120
ENSP00000362026	2.80E-06	-0.3325	0	0.699
ENSP00000362094	2.51E-06	-0.3325	0	0.111
ENSP00000464034	4.92E-06	-0.3327	0	0.000
ENSP00000409000	6.56E-06	-0.3329	208	0.451
ENSP00000307449	4.73E-06	-0.3330	0	0.090
ENSP00000413074	3.59E-06	-0.3331	0	0.664
ENSP00000274487	7.52E-06	-0.3332	0	0.171
ENSP00000220244	5.94E-06	-0.3332	0	0.000
ENSP00000358965	2.02E-06	-0.3332	0	0.160
ENSP00000299709	5.65E-06	-0.3332	0	0.052
ENSP00000384610	8.85E-06	-0.3335	452	0.637
ENSP00000384115	2.76E-06	-0.3337	0	0.199
ENSP00000335024	9.09E-06	-0.3338	0	0.311
ENSP00000341539	1.69E-06	-0.3339	0	0.197
ENSP00000336984	4.22E-06	-0.3339	0	0.415
ENSP00000333496	1.18E-05	-0.3340	292	0.505
ENSP00000344219	2.83E-06	-0.3340	0	0.112
ENSP00000341564	3.60E-06	-0.3341	0	0.078
ENSP00000341481	1.75E-04	-0.3341	0	0.000
ENSP00000342790	1.75E-04	-0.3341	0	0.213
ENSP00000308292	3.74E-06	-0.3342	0	0.078
ENSP00000464272	2.99E-07	-0.3343	0	0.000
ENSP00000407749	2.99E-07	-0.3343	0	0.213
ENSP00000413896	2.99E-07	-0.3343	0	0.000
ENSP00000333157	6.54E-06	-0.3343	0	0.371
ENSP00000323075	2.77E-06	-0.3343	0	0.132
ENSP00000358963	1.16E-05	-0.3344	323	0.673
ENSP00000431605	3.34E-06	-0.3345	0	0.342
ENSP00000311833	3.83E-06	-0.3345	0	0.098
ENSP00000252729	3.78E-06	-0.3345	0	0.137
ENSP00000273158	3.41E-06	-0.3346	0	0.073
ENSP00000270238	3.30E-06	-0.3346	0	0.109
ENSP00000371327	2.11E-06	-0.3346	0	0.210
ENSP00000323549	4.48E-06	-0.3349	0	0.091
ENSP00000451998	2.79E-06	-0.3349	0	0.097
ENSP00000446743	3.31E-06	-0.3350	0	0.106
ENSP00000273352	4.93E-06	-0.3350	0	0.000
ENSP00000255226	6.20E-06	-0.3351	0	0.153
ENSP00000350266	5.76E-06	-0.3351	0	0.129
ENSP00000341914	3.16E-06	-0.3352	0	0.072
ENSP00000245105	8.34E-06	-0.3352	0	0.130
ENSP00000462196	1.79E-05	-0.3353	195	0.000
ENSP00000323895	1.93E-05	-0.3353	0	0.205
ENSP00000256246	4.01E-06	-0.3354	0	0.148

ENSP00000318258	2.53E-06	-0.3355	0	0.105
ENSP00000294435	7.80E-06	-0.3356	0	0.113
ENSP00000328207	6.55E-06	-0.3357	0	0.610
ENSP00000291934	8.40E-06	-0.3357	0	0.121
ENSP00000348668	7.66E-06	-0.3358	576	0.113
ENSP00000346265	3.76E-06	-0.3359	0	0.201
ENSP00000317000	1.94E-06	-0.3362	0	0.133
ENSP00000263177	4.21E-06	-0.3362	0	0.000
ENSP00000303028	4.24E-06	-0.3363	0	0.112
ENSP00000295049	2.70E-06	-0.3363	0	0.145
ENSP00000244565	7.54E-06	-0.3363	0	0.102
ENSP00000373066	6.38E-06	-0.3363	0	0.000
ENSP00000355155	4.76E-06	-0.3363	0	0.317
ENSP00000383558	1.33E-05	-0.3364	522	0.648
ENSP00000300051	5.27E-06	-0.3366	0	0.114
ENSP00000355260	4.13E-06	-0.3366	0	0.095
ENSP00000281142	2.85E-06	-0.3368	0	0.098
ENSP00000339692	3.50E-06	-0.3369	0	0.223
ENSP00000361087	4.33E-06	-0.3370	0	0.190
ENSP00000253008	4.04E-06	-0.3370	0	0.428
ENSP00000221573	4.73E-06	-0.3370	0	0.493
ENSP00000406022	4.25E-06	-0.3371	0	0.531
ENSP00000296785	6.72E-06	-0.3372	201	0.606
ENSP00000405165	3.48E-06	-0.3373	0	0.103
ENSP00000357535	2.49E-04	-0.3373	801	0.366
ENSP00000318415	3.27E-06	-0.3375	0	0.749
ENSP00000367743	4.40E-06	-0.3375	0	0.082
ENSP00000229332	9.98E-06	-0.3375	0	0.291
ENSP00000241274	3.03E-06	-0.3376	0	0.114
ENSP00000322530	5.05E-06	-0.3376	0	0.000
ENSP00000333097	7.71E-06	-0.3377	282	0.688
ENSP00000264428	4.19E-06	-0.3377	0	0.108
ENSP00000378160	3.97E-06	-0.3380	222	0.000
ENSP00000298231	5.06E-06	-0.3380	0	0.782
ENSP00000336693	2.58E-06	-0.3380	0	0.062
ENSP00000356076	6.16E-06	-0.3381	189	0.675
ENSP00000350676	2.62E-06	-0.3381	0	0.000
ENSP00000320794	4.97E-06	-0.3381	0	0.000
ENSP00000330606	5.22E-06	-0.3383	0	0.048
ENSP00000300515	3.29E-06	-0.3383	0	0.000
ENSP00000450353	5.69E-06	-0.3383	216	0.000
ENSP00000161006	8.43E-06	-0.3386	0	0.133
ENSP00000414019	4.87E-06	-0.3387	215	0.109
ENSP00000296484	9.13E-06	-0.3390	226	0.156
ENSP00000253680	2.64E-06	-0.3390	0	0.000
ENSP00000369146	3.66E-06	-0.3390	0	0.083

ENSP00000337732	5.35E-06	-0.3393	0	0.105
ENSP00000353165	3.68E-06	-0.3395	0	0.339
ENSP00000276127	3.15E-06	-0.3397	0	0.118
ENSP00000369558	3.96E-06	-0.3398	0	0.375
ENSP00000383698	4.86E-06	-0.3400	0	0.160
ENSP00000266980	3.27E-06	-0.3405	0	0.094
ENSP00000369009	2.28E-06	-0.3406	0	0.131
ENSP00000338607	5.55E-06	-0.3406	0	0.103
ENSP00000259053	5.26E-06	-0.3408	0	0.117
ENSP00000444293	4.82E-06	-0.3408	0	0.000
ENSP00000227618	2.06E-06	-0.3410	0	0.150
ENSP00000316670	5.11E-06	-0.3411	0	0.000
ENSP00000340943	1.04E-05	-0.3411	212	0.656
ENSP00000354213	5.84E-06	-0.3411	0	0.061
ENSP00000362123	4.09E-06	-0.3411	0	0.202
ENSP00000435619	2.31E-06	-0.3411	0	0.404
ENSP00000262103	2.56E-06	-0.3413	0	0.285
ENSP00000230568	9.90E-06	-0.3413	0	0.153
ENSP00000374353	2.38E-06	-0.3413	0	0.000
ENSP00000349874	2.45E-06	-0.3413	0	0.146
ENSP00000363643	8.98E-06	-0.3414	271	0.522
ENSP00000281924	4.58E-06	-0.3414	0	0.069
ENSP00000329482	4.34E-06	-0.3415	0	0.000
ENSP00000341637	4.10E-06	-0.3416	0	0.158
ENSP00000262376	3.74E-06	-0.3416	0	0.258
ENSP00000462799	1.45E-06	-0.3417	0	0.205
ENSP00000404078	2.41E-06	-0.3418	0	0.000
ENSP00000382646	1.79E-06	-0.3420	0	0.108
ENSP00000321929	4.36E-06	-0.3424	0	0.052
ENSP00000396896	6.10E-06	-0.3425	776	0.192
ENSP00000376623	3.31E-06	-0.3426	0	0.288
ENSP00000156084	4.76E-06	-0.3427	0	0.177
ENSP00000380605	4.15E-06	-0.3428	0	0.135
ENSP00000309036	3.10E-06	-0.3428	0	0.080
ENSP00000313816	1.79E-06	-0.3428	0	0.000
ENSP00000373272	3.07E-06	-0.3429	0	0.204
ENSP00000357840	4.90E-06	-0.3429	0	0.093
ENSP00000257940	5.76E-06	-0.3430	0	0.334
ENSP00000295886	8.20E-06	-0.3431	163	0.835
ENSP00000301336	5.24E-06	-0.3432	0	0.223
ENSP00000296595	4.08E-06	-0.3435	0	0.095
ENSP00000310405	1.15E-05	-0.3437	0	0.544
ENSP00000466248	6.00E-06	-0.3438	191	0.387
ENSP00000312411	4.54E-06	-0.3438	0	0.594
ENSP00000274361	5.32E-06	-0.3438	0	0.068
ENSP00000363298	1.85E-06	-0.3439	0	0.133

ENSP00000353557	3.26E-06	-0.3439	0	0.075
ENSP00000306461	7.16E-06	-0.3439	0	0.328
ENSP00000317404	7.77E-06	-0.3440	0	0.067
ENSP00000376957	3.75E-06	-0.3440	0	0.152
ENSP00000385727	2.09E-06	-0.3441	0	0.138
ENSP00000412897	4.20E-06	-0.3441	0	0.554
ENSP00000243501	7.49E-06	-0.3441	0	0.156
ENSP00000368591	4.80E-06	-0.3442	0	0.060
ENSP00000302413	4.82E-06	-0.3442	0	0.111
ENSP00000273936	5.15E-06	-0.3442	0	0.102
ENSP00000401513	3.47E-06	-0.3443	0	0.121
ENSP00000404063	2.90E-06	-0.3443	0	0.263
ENSP00000354830	2.97E-06	-0.3444	0	0.236
ENSP00000344937	3.94E-06	-0.3444	0	0.090
ENSP00000303468	2.92E-06	-0.3447	0	0.089
ENSP00000355893	2.70E-06	-0.3448	0	0.659
ENSP00000370979	4.30E-06	-0.3448	0	0.662
ENSP00000455952	7.99E-06	-0.3449	216	0.000
ENSP00000381425	8.53E-06	-0.3450	302	0.483
ENSP00000419101	3.70E-06	-0.3450	0	0.281
ENSP00000343428	7.86E-06	-0.3450	0	0.432
ENSP00000363452	3.31E-06	-0.3452	0	0.075
ENSP00000344961	2.29E-06	-0.3452	0	0.107
ENSP00000328672	3.09E-06	-0.3453	0	0.130
ENSP00000352414	6.81E-06	-0.3454	0	0.912
ENSP00000280758	5.33E-06	-0.3456	0	0.276
ENSP00000309493	1.09E-05	-0.3457	252	0.475
ENSP00000338967	4.52E-06	-0.3457	0	0.354
ENSP00000304147	3.07E-06	-0.3459	0	0.137
ENSP00000410603	2.91E-06	-0.3460	0	0.109
ENSP00000304707	5.65E-06	-0.3460	0	0.181
ENSP00000323816	3.98E-06	-0.3462	0	0.623
ENSP00000350162	5.80E-06	-0.3462	0	0.291
ENSP00000362894	3.47E-06	-0.3463	0	0.088
ENSP00000183605	7.78E-06	-0.3463	0	0.098
ENSP00000367173	2.00E-06	-0.3464	0	0.095
ENSP00000443246	6.49E-06	-0.3464	262	0.000
ENSP00000298854	6.53E-06	-0.3464	0	0.351
ENSP00000255152	4.70E-06	-0.3465	0	0.171
ENSP00000321627	5.31E-06	-0.3465	0	0.152
ENSP00000441093	4.42E-06	-0.3465	535	0.000
ENSP00000288025	6.45E-06	-0.3466	0	0.128
ENSP00000361214	3.02E-06	-0.3468	0	0.422
ENSP00000390011	5.97E-06	-0.3469	201	0.450
ENSP00000359563	5.34E-06	-0.3470	0	0.127
ENSP00000396103	4.92E-06	-0.3471	0	0.544



ENSP00000215906	4.81E-06	-0.3471	0	0.144
ENSP00000359096	8.60E-06	-0.3471	0	0.382
ENSP00000364992	7.12E-06	-0.3473	0	0.209
ENSP00000333395	4.77E-06	-0.3473	0	0.072
ENSP00000366629	2.85E-06	-0.3473	0	0.000
ENSP00000421076	1.48E-06	-0.3474	0	0.172
ENSP00000309741	4.35E-06	-0.3477	0	0.051
ENSP00000319636	8.24E-06	-0.3477	900	0.197
ENSP00000343234	4.92E-06	-0.3478	0	0.062
ENSP00000326003	3.88E-06	-0.3478	0	0.287
ENSP00000261234	2.88E-06	-0.3482	0	0.072
ENSP00000301972	3.51E-06	-0.3484	0	0.130
ENSP00000264956	9.91E-06	-0.3486	0	0.345
ENSP00000387694	5.41E-06	-0.3487	0	0.224
ENSP00000306918	4.15E-06	-0.3487	0	0.121
ENSP00000472299	2.02E-06	-0.3487	0	0.000
ENSP00000352544	3.62E-06	-0.3488	0	0.194
ENSP00000313318	3.50E-06	-0.3488	0	0.047
ENSP00000357453	5.50E-06	-0.3489	237	0.190
ENSP00000363894	3.28E-06	-0.3491	0	0.108
ENSP00000276480	4.61E-06	-0.3492	0	0.097
ENSP00000344976	6.07E-06	-0.3492	0	0.098
ENSP00000355692	1.86E-06	-0.3495	0	0.218
ENSP00000259555	6.16E-06	-0.3495	0	0.000
ENSP00000379353	7.53E-06	-0.3496	313	0.064
ENSP00000417710	1.50E-06	-0.3497	0	0.243
ENSP00000342935	4.29E-06	-0.3497	0	0.084
ENSP00000274134	3.07E-06	-0.3498	0	0.066
ENSP00000368320	2.05E-06	-0.3499	0	0.243
ENSP00000296545	7.58E-06	-0.3500	0	0.749
ENSP00000248933	3.07E-06	-0.3501	0	0.106
ENSP00000255476	6.70E-06	-0.3501	0	0.550
ENSP00000260723	6.12E-06	-0.3504	0	0.114
ENSP00000322218	5.52E-06	-0.3506	206	0.000
ENSP00000255681	3.87E-06	-0.3506	0	0.171
ENSP00000290894	8.22E-06	-0.3506	0	0.078
ENSP00000345152	4.09E-06	-0.3509	0	0.103
ENSP00000288167	3.68E-06	-0.3509	0	0.190
ENSP00000417190	2.68E-05	-0.3510	0	0.160
ENSP00000360167	2.05E-06	-0.3510	0	0.146
ENSP00000290216	5.62E-06	-0.3510	0	0.160
ENSP00000271643	8.09E-06	-0.3511	0	0.167
ENSP00000379999	6.79E-06	-0.3511	188	0.194
ENSP00000268699	3.91E-06	-0.3511	0	0.061
ENSP00000219022	8.04E-06	-0.3514	0	0.150
ENSP00000373169	1.01E-05	-0.3514	323	0.577

ENSP00000333952	3.97E-06	-0.3515	0	0.115
ENSP00000296318	6.31E-06	-0.3516	0	0.258
ENSP00000359668	4.63E-06	-0.3519	0	0.236
ENSP00000369666	3.47E-06	-0.3520	0	0.000
ENSP00000259951	8.51E-06	-0.3522	0	0.171
ENSP00000260191	7.09E-06	-0.3522	0	0.317
ENSP00000354877	2.86E-06	-0.3524	0	0.316
ENSP00000269385	5.26E-06	-0.3524	0	0.686
ENSP00000341698	3.47E-06	-0.3525	0	0.667
ENSP00000223398	6.10E-06	-0.3525	0	0.094
ENSP00000386272	1.76E-06	-0.3526	0	0.046
ENSP00000281317	5.34E-06	-0.3526	0	0.113
ENSP00000333919	5.55E-06	-0.3527	0	0.481
ENSP00000364550	3.61E-06	-0.3527	0	0.000
ENSP00000234816	1.02E-05	-0.3530	0	0.166
ENSP00000303246	3.72E-06	-0.3532	0	0.133
ENSP00000357123	5.93E-06	-0.3533	0	0.509
ENSP00000300057	5.78E-06	-0.3535	0	0.759
ENSP00000328133	3.43E-06	-0.3538	0	0.371
ENSP00000314196	4.30E-06	-0.3541	0	0.198
ENSP00000329548	7.66E-06	-0.3541	189	0.477
ENSP00000305974	7.13E-06	-0.3541	206	0.195
ENSP00000390784	4.19E-06	-0.3541	0	0.125
ENSP00000304956	5.13E-06	-0.3541	0	0.713
ENSP00000278559	8.74E-06	-0.3542	191	0.000
ENSP00000411932	4.59E-06	-0.3544	0	0.200
ENSP00000253247	4.78E-06	-0.3544	0	0.417
ENSP00000234800	3.58E-06	-0.3547	0	0.000
ENSP00000299564	3.71E-06	-0.3547	163	0.000
ENSP00000353072	5.73E-06	-0.3547	309	0.624
ENSP00000260113	9.51E-06	-0.3548	0	0.074
ENSP00000296218	4.40E-06	-0.3548	0	0.045
ENSP00000316794	2.15E-06	-0.3549	0	0.154
ENSP00000265136	6.91E-06	-0.3549	0	0.094
ENSP00000288861	2.29E-06	-0.3554	0	0.000
ENSP00000284288	5.91E-06	-0.3555	0	0.090
ENSP00000335358	5.44E-06	-0.3555	0	0.085
ENSP00000356033	3.03E-06	-0.3555	0	0.223
ENSP00000266077	9.05E-06	-0.3556	0	0.518
ENSP00000321498	5.33E-06	-0.3557	0	0.105
ENSP00000295898	4.47E-06	-0.3558	0	0.210
ENSP00000297186	5.11E-06	-0.3558	0	0.093
ENSP00000395323	1.06E-05	-0.3559	177	0.381
ENSP00000264444	4.95E-06	-0.3559	0	0.522
ENSP00000241312	3.33E-06	-0.3561	0	0.066
ENSP00000302276	4.20E-06	-0.3562	0	0.462

ENSP00000366927	6.34E-06	-0.3563	274	0.358
ENSP00000221538	4.55E-06	-0.3564	0	0.085
ENSP00000298032	4.78E-06	-0.3564	0	0.079
ENSP00000261226	4.51E-06	-0.3565	0	0.060
ENSP00000301457	2.74E-06	-0.3565	0	0.000
ENSP00000292079	7.09E-06	-0.3568	0	0.094
ENSP00000450040	8.87E-06	-0.3569	237	0.693
ENSP00000331167	3.70E-06	-0.3570	0	0.000
ENSP00000262961	4.37E-06	-0.3571	0	0.352
ENSP00000371434	3.99E-06	-0.3571	0	0.698
ENSP00000361173	2.47E-06	-0.3571	0	0.000
ENSP00000301293	4.31E-06	-0.3572	0	0.000
ENSP00000299045	3.67E-06	-0.3573	0	0.063
ENSP00000020926	8.25E-06	-0.3573	0	0.149
ENSP00000289619	4.51E-06	-0.3574	0	0.105
ENSP00000255082	9.71E-06	-0.3574	0	0.121
ENSP00000325562	2.71E-06	-0.3576	0	0.075
ENSP00000231749	5.75E-06	-0.3576	0	0.071
ENSP00000266254	2.28E-06	-0.3577	0	0.051
ENSP00000295890	8.62E-06	-0.3577	340	0.277
ENSP00000305975	2.62E-06	-0.3578	0	0.164
ENSP00000380066	7.11E-06	-0.3578	246	0.642
ENSP00000311447	4.64E-06	-0.3579	0	0.097
ENSP00000385143	5.00E-06	-0.3580	0	0.396
ENSP00000330484	8.84E-06	-0.3580	0	0.383
ENSP00000313172	4.07E-06	-0.3581	0	0.088
ENSP00000367476	2.49E-06	-0.3582	0	0.075
ENSP00000356404	3.10E-06	-0.3582	0	0.072
ENSP00000353129	3.99E-06	-0.3583	0	0.123
ENSP00000217254	8.05E-06	-0.3585	0	0.174
ENSP00000296921	5.41E-06	-0.3586	0	0.786
ENSP00000471569	3.70E-06	-0.3587	0	0.000
ENSP00000332208	4.17E-06	-0.3588	0	0.671
ENSP00000300105	3.22E-06	-0.3591	0	0.392
ENSP00000216075	8.88E-06	-0.3593	0	0.098
ENSP00000084798	7.47E-06	-0.3595	0	0.136
ENSP00000261038	8.41E-06	-0.3596	0	0.424
ENSP00000221730	6.58E-06	-0.3596	0	0.130
ENSP00000358547	5.86E-06	-0.3597	302	0.529
ENSP00000358559	2.45E-06	-0.3597	0	0.000
ENSP00000244314	9.40E-06	-0.3599	0	0.130
ENSP00000293851	8.19E-06	-0.3600	0	0.137
ENSP00000286749	4.64E-06	-0.3601	0	0.058
ENSP00000252998	5.95E-06	-0.3602	0	0.135
ENSP00000164640	9.37E-06	-0.3603	0	0.096
ENSP00000222125	8.03E-06	-0.3604	158	0.649

ENSP00000384391	4.15E-06	-0.3604	0	0.072
ENSP00000234392	1.07E-05	-0.3607	0	0.768
ENSP00000280191	3.47E-06	-0.3610	0	0.117
ENSP00000461324	4.09E-06	-0.3611	0	0.156
ENSP00000156109	4.22E-06	-0.3611	0	0.326
ENSP00000321874	7.74E-06	-0.3611	900	0.130
ENSP00000274867	8.87E-06	-0.3612	184	0.664
ENSP00000379065	6.13E-06	-0.3612	0	0.000
ENSP00000267383	4.87E-06	-0.3613	0	0.085
ENSP00000337144	3.93E-06	-0.3616	0	0.216
ENSP00000296088	3.55E-06	-0.3616	0	0.109
ENSP00000243878	2.86E-06	-0.3616	0	0.079
ENSP00000259782	7.42E-06	-0.3616	0	0.216
ENSP00000215886	1.17E-05	-0.3617	0	0.116
ENSP00000248564	1.01E-05	-0.3617	0	0.431
ENSP00000256452	8.76E-06	-0.3617	0	0.628
ENSP00000354660	3.12E-06	-0.3617	0	0.326
ENSP00000417581	8.88E-08	-0.3618	0	0.212
ENSP00000283243	7.70E-06	-0.3618	0	0.113
ENSP00000359329	7.09E-06	-0.3619	159	0.000
ENSP00000357778	2.43E-06	-0.3620	0	0.135
ENSP00000366970	2.39E-06	-0.3621	0	0.146
ENSP00000330240	6.46E-06	-0.3622	0	0.087
ENSP00000269298	4.36E-06	-0.3622	0	0.129
ENSP00000352820	2.36E-06	-0.3623	0	0.149
ENSP00000331766	2.94E-06	-0.3624	0	0.133
ENSP00000433967	2.67E-06	-0.3624	0	0.000
ENSP00000415904	4.63E-06	-0.3624	0	0.173
ENSP00000315988	5.53E-06	-0.3625	0	0.054
ENSP00000466834	3.79E-06	-0.3626	0	0.000
ENSP00000348911	4.81E-06	-0.3627	0	0.074
ENSP00000348648	4.87E-06	-0.3630	0	0.117
ENSP00000280979	4.81E-06	-0.3630	0	0.468
ENSP00000370381	7.17E-06	-0.3631	0	0.268
ENSP00000264601	3.14E-06	-0.3633	0	0.225
ENSP00000348074	5.02E-06	-0.3633	0	0.354
ENSP00000042931	6.21E-06	-0.3634	0	0.128
ENSP00000301671	7.49E-06	-0.3636	0	0.596
ENSP00000259339	7.41E-06	-0.3640	0	0.239
ENSP00000275764	7.58E-06	-0.3640	0	0.419
ENSP00000239347	7.79E-06	-0.3641	0	0.339
ENSP00000347916	5.16E-06	-0.3641	0	0.194
ENSP00000318270	6.31E-06	-0.3644	0	0.083
ENSP00000417763	3.61E-06	-0.3644	0	0.373
ENSP00000345294	3.31E-06	-0.3645	0	0.000
ENSP00000369553	3.97E-06	-0.3646	0	0.323

ENSP00000333639	5.79E-06	-0.3647	0	0.448
ENSP00000258613	4.79E-06	-0.3647	0	0.111
ENSP00000218224	7.71E-06	-0.3648	0	0.390
ENSP00000256324	3.50E-06	-0.3648	0	0.090
ENSP00000281961	2.37E-06	-0.3648	0	0.170
ENSP00000357342	4.24E-06	-0.3650	0	0.209
ENSP00000343957	5.47E-06	-0.3651	0	0.670
ENSP00000328079	2.73E-06	-0.3652	0	0.120
ENSP00000356658	7.33E-06	-0.3654	601	0.255
ENSP00000294794	5.55E-06	-0.3655	0	0.122
ENSP00000293780	5.38E-06	-0.3656	0	0.113
ENSP00000320813	2.73E-06	-0.3656	0	0.105
ENSP00000314103	4.55E-06	-0.3656	0	0.000
ENSP00000264363	5.06E-06	-0.3657	0	0.257
ENSP00000230256	6.92E-06	-0.3661	0	0.156
ENSP00000299663	8.24E-06	-0.3661	0	0.396
ENSP00000247829	5.62E-06	-0.3661	0	0.565
ENSP00000367629	9.81E-06	-0.3662	179	0.576
ENSP00000006777	5.19E-06	-0.3667	0	0.112
ENSP00000362613	5.81E-06	-0.3669	0	0.856
ENSP00000357057	4.69E-06	-0.3670	0	0.199
ENSP00000329214	5.04E-06	-0.3676	0	0.068
ENSP00000296862	5.55E-06	-0.3676	0	0.000
ENSP00000386029	8.36E-06	-0.3676	200	0.246
ENSP00000362183	1.00E-05	-0.3678	202	0.269
ENSP00000379176	2.24E-06	-0.3679	0	0.271
ENSP00000353078	2.98E-06	-0.3679	0	0.159
ENSP00000288065	2.92E-06	-0.3681	0	0.077
ENSP00000283309	6.73E-06	-0.3684	0	0.252
ENSP00000303092	2.74E-06	-0.3688	0	0.055
ENSP00000264833	5.36E-06	-0.3689	0	0.066
ENSP00000255224	6.29E-06	-0.3689	0	0.184
ENSP00000006658	4.89E-06	-0.3693	0	0.092
ENSP00000274569	3.36E-06	-0.3693	0	0.084
ENSP00000309504	4.68E-06	-0.3694	0	0.087
ENSP00000226798	4.89E-06	-0.3694	0	0.320
ENSP00000450742	2.87E-06	-0.3695	0	0.660
ENSP00000332879	4.65E-06	-0.3695	0	0.121
ENSP00000385019	3.04E-06	-0.3696	0	0.190
ENSP00000314223	4.83E-06	-0.3696	0	0.310
ENSP00000348828	4.00E-06	-0.3696	0	0.578
ENSP00000292907	4.15E-06	-0.3697	0	0.088
ENSP00000245957	3.19E-06	-0.3697	0	0.000
ENSP00000406052	3.10E-06	-0.3697	0	0.477
ENSP00000420040	6.93E-06	-0.3697	375	0.373
ENSP00000316237	3.86E-06	-0.3700	0	0.127

ENSP00000308750	4.63E-06	-0.3700	0	0.746
ENSP00000258526	6.73E-06	-0.3700	0	0.385
ENSP00000345477	8.77E-06	-0.3700	900	0.151
ENSP00000383145	5.43E-06	-0.3701	0	0.049
ENSP00000260637	4.87E-06	-0.3702	0	0.000
ENSP00000187762	5.16E-06	-0.3704	0	0.079
ENSP00000351118	6.15E-06	-0.3707	0	0.085
ENSP00000332448	2.52E-06	-0.3707	0	0.389
ENSP00000228567	5.14E-06	-0.3710	0	0.117
ENSP00000349238	8.21E-06	-0.3713	162	0.618
ENSP00000372316	2.47E-06	-0.3713	0	0.500
ENSP00000297325	3.90E-06	-0.3715	0	0.063
ENSP00000305973	8.04E-06	-0.3715	0	0.797
ENSP00000468280	7.98E-06	-0.3715	277	0.000
ENSP00000353500	7.38E-06	-0.3716	0	0.585
ENSP00000352268	4.28E-06	-0.3717	0	0.085
ENSP00000416453	1.73E-06	-0.3718	0	0.000
ENSP00000308318	5.05E-06	-0.3719	0	0.142
ENSP00000363003	3.34E-06	-0.3720	0	0.784
ENSP00000317214	6.81E-06	-0.3720	224	0.000
ENSP00000403932	4.68E-06	-0.3722	153	0.000
ENSP00000362799	2.29E-06	-0.3723	0	0.161
ENSP00000318684	3.37E-06	-0.3724	0	0.135
ENSP00000245121	3.19E-06	-0.3725	0	0.179
ENSP00000315465	6.48E-06	-0.3726	195	0.136
ENSP00000217901	8.99E-06	-0.3726	175	0.478
ENSP00000302851	3.93E-06	-0.3728	0	0.072
ENSP00000316193	6.41E-06	-0.3733	0	0.000
ENSP00000362136	2.15E-06	-0.3735	0	0.120
ENSP00000282753	1.01E-05	-0.3736	571	0.717
ENSP00000234142	7.15E-06	-0.3738	0	0.248
ENSP00000354581	6.88E-06	-0.3740	158	0.204
ENSP00000299290	7.63E-06	-0.3740	0	0.104
ENSP00000317836	4.31E-06	-0.3743	0	0.069
ENSP00000262305	5.33E-06	-0.3743	0	0.105
ENSP00000261374	6.70E-06	-0.3749	0	0.141
ENSP00000453793	7.51E-06	-0.3750	177	0.800
ENSP00000274382	7.19E-06	-0.3751	0	0.127
ENSP00000344432	6.89E-06	-0.3751	0	0.123
ENSP00000352064	5.48E-06	-0.3751	0	0.467
ENSP00000284856	4.89E-06	-0.3754	0	0.151
ENSP00000336733	3.99E-06	-0.3754	0	0.072
ENSP00000407952	3.40E-06	-0.3757	0	0.000
ENSP00000351695	5.59E-06	-0.3758	0	0.192
ENSP00000264228	6.67E-06	-0.3758	0	0.141
ENSP00000253109	1.33E-05	-0.3761	0	0.406

ENSP00000343877	4.22E-06	-0.3761	0	0.082
ENSP00000295367	6.87E-06	-0.3767	0	0.105
ENSP00000275189	3.94E-06	-0.3773	0	0.000
ENSP00000411904	4.36E-06	-0.3774	0	0.115
ENSP00000274787	4.21E-06	-0.3775	0	0.112
ENSP00000349208	3.90E-06	-0.3775	0	0.490
ENSP00000265340	8.60E-06	-0.3778	214	0.000
ENSP00000322460	3.18E-06	-0.3779	0	0.136
ENSP00000215838	6.60E-06	-0.3779	0	0.121
ENSP00000365152	4.01E-06	-0.3780	0	0.661
ENSP00000290431	7.03E-06	-0.3780	0	0.167
ENSP00000275461	5.60E-06	-0.3781	0	0.419
ENSP00000287585	7.75E-06	-0.3782	0	0.090
ENSP00000419081	5.52E-06	-0.3782	153	0.000
ENSP00000263707	4.63E-06	-0.3783	0	0.662
ENSP00000165524	6.77E-06	-0.3783	0	0.303
ENSP00000267549	5.83E-06	-0.3787	0	0.427
ENSP00000273347	5.36E-06	-0.3789	0	0.120
ENSP00000349478	7.93E-06	-0.3792	188	0.000
ENSP00000281834	6.87E-06	-0.3794	0	0.791
ENSP00000315835	3.50E-06	-0.3794	0	0.000
ENSP00000229955	5.62E-06	-0.3795	0	0.202
ENSP00000347152	3.35E-06	-0.3797	0	0.091
ENSP00000284110	6.38E-06	-0.3800	0	0.087
ENSP00000216775	5.20E-06	-0.3804	0	0.000
ENSP00000233545	3.05E-06	-0.3806	0	0.091
ENSP00000390354	4.17E-06	-0.3807	0	0.000
ENSP00000369409	3.22E-06	-0.3809	0	0.278
ENSP00000273668	5.41E-06	-0.3809	0	0.451
ENSP00000466514	2.18E-06	-0.3812	0	0.000
ENSP00000329008	5.71E-06	-0.3812	0	0.124
ENSP00000381030	7.24E-06	-0.3814	277	0.000
ENSP00000347546	6.04E-06	-0.3814	0	0.413
ENSP00000303515	3.27E-06	-0.3814	0	0.730
ENSP00000355206	5.93E-06	-0.3816	185	0.421
ENSP00000381247	3.65E-06	-0.3817	153	0.000
ENSP00000330389	2.35E-06	-0.3818	0	0.118
ENSP00000302441	5.13E-06	-0.3819	0	0.075
ENSP00000400882	3.97E-06	-0.3819	0	0.085
ENSP00000336607	6.07E-06	-0.3820	0	0.524
ENSP00000296498	4.23E-06	-0.3820	0	0.097
ENSP00000346577	3.56E-06	-0.3822	0	0.402
ENSP00000321346	3.93E-06	-0.3822	0	0.085
ENSP00000327315	3.64E-06	-0.3822	0	0.516
ENSP00000318182	1.83E-06	-0.3824	0	0.000
ENSP00000441269	5.24E-06	-0.3828	0	0.000

ENSP00000351706	4.77E-06	-0.3828	305	0.382
ENSP00000295190	3.12E-06	-0.3831	0	0.054
ENSP00000275954	3.77E-06	-0.3832	0	0.121
ENSP00000219197	6.98E-06	-0.3838	0	0.134
ENSP00000321987	6.84E-06	-0.3839	0	0.189
ENSP00000363832	7.45E-06	-0.3839	0	0.220
ENSP00000356729	4.49E-06	-0.3842	0	0.122
ENSP00000361636	9.03E-06	-0.3843	907	0.000
ENSP00000371297	4.21E-06	-0.3844	0	0.128
ENSP00000355787	8.03E-07	-0.3845	0	0.000
ENSP00000254765	3.40E-06	-0.3847	0	0.113
ENSP00000302537	6.68E-06	-0.3848	0	0.287
ENSP00000319744	8.01E-06	-0.3850	165	0.476
ENSP00000260126	4.51E-06	-0.3854	0	0.053
ENSP00000421315	5.73E-06	-0.3855	193	0.000
ENSP00000350552	3.89E-06	-0.3855	0	0.323
ENSP00000258385	9.02E-06	-0.3857	0	0.146
ENSP00000287777	7.97E-06	-0.3857	0	0.114
ENSP00000327417	4.42E-06	-0.3857	0	0.367
ENSP00000281882	6.57E-06	-0.3860	0	0.161
ENSP00000289292	5.65E-06	-0.3860	0	0.099
ENSP00000349477	4.62E-06	-0.3860	0	0.484
ENSP00000304250	5.51E-06	-0.3862	0	0.074
ENSP00000252087	4.97E-06	-0.3862	0	0.108
ENSP00000272433	3.47E-06	-0.3865	0	0.083
ENSP00000268919	2.57E-06	-0.3868	0	0.214
ENSP00000232892	5.80E-06	-0.3875	0	0.150
ENSP00000384892	9.13E-06	-0.3876	0	0.211
ENSP00000308339	3.62E-06	-0.3876	0	0.082
ENSP00000357637	4.39E-06	-0.3877	0	0.657
ENSP00000250699	4.44E-06	-0.3881	0	0.184
ENSP00000346667	4.83E-06	-0.3881	0	0.133
ENSP00000347358	3.17E-06	-0.3882	0	0.219
ENSP00000411940	4.15E-06	-0.3886	0	0.566
ENSP00000344549	8.57E-06	-0.3886	302	0.467
ENSP00000357835	1.61E-06	-0.3891	0	0.088
ENSP00000394653	2.92E-08	-0.3891	0	0.150
ENSP00000356251	4.50E-06	-0.3892	0	0.269
ENSP00000265840	3.02E-06	-0.3895	0	0.117
ENSP00000307674	6.12E-06	-0.3895	0	0.173
ENSP00000240618	4.01E-06	-0.3896	0	0.000
ENSP00000262593	6.71E-06	-0.3896	0	0.189
ENSP00000430000	2.64E-06	-0.3897	0	0.197
ENSP00000254325	4.29E-06	-0.3898	0	0.763
ENSP00000289957	4.77E-06	-0.3900	0	0.201
ENSP00000229729	6.28E-06	-0.3900	0	0.126



ENSP00000280684	9.31E-06	-0.3900	513	0.000
ENSP00000264990	4.43E-06	-0.3901	0	0.130
ENSP00000359581	3.58E-06	-0.3901	0	0.132
ENSP00000298296	2.51E-06	-0.3901	0	0.248
ENSP00000346298	4.60E-06	-0.3902	0	0.106
ENSP00000296449	2.45E-06	-0.3903	0	0.106
ENSP00000256958	8.85E-06	-0.3904	301	0.249
ENSP00000312399	3.74E-06	-0.3906	0	0.082
ENSP00000263708	4.10E-06	-0.3907	0	0.515
ENSP00000343490	7.48E-06	-0.3908	201	0.197
ENSP00000263314	7.55E-06	-0.3909	0	0.491
ENSP00000355480	4.59E-06	-0.3910	153	0.000
ENSP00000252804	8.79E-06	-0.3911	0	0.182
ENSP00000281182	3.35E-06	-0.3914	0	0.237
ENSP00000338330	4.01E-06	-0.3915	0	0.073
ENSP00000270235	4.92E-06	-0.3916	0	0.207
ENSP00000217043	6.63E-06	-0.3917	0	0.098
ENSP00000155858	5.96E-06	-0.3917	0	0.267
ENSP00000326244	4.72E-06	-0.3918	0	0.105
ENSP00000393557	8.19E-06	-0.3920	0	0.240
ENSP00000303540	5.11E-06	-0.3923	0	0.388
ENSP00000273598	2.52E-06	-0.3923	0	0.121
ENSP00000353295	2.36E-06	-0.3924	0	0.214
ENSP00000265922	5.10E-06	-0.3925	0	0.000
ENSP00000299333	8.34E-06	-0.3926	354	0.215
ENSP00000267015	5.82E-06	-0.3929	0	0.254
ENSP00000385586	3.54E-06	-0.3930	0	0.813
ENSP00000295824	5.57E-06	-0.3932	0	0.105
ENSP00000337862	3.94E-06	-0.3932	0	0.669
ENSP00000262741	5.80E-06	-0.3934	0	0.769
ENSP00000326432	1.05E-05	-0.3934	0	0.540
ENSP00000306776	4.23E-06	-0.3934	0	0.115
ENSP00000313803	6.97E-07	-0.3938	0	0.000
ENSP00000319705	4.23E-06	-0.3938	0	0.064
ENSP00000333917	4.27E-06	-0.3940	0	0.652
ENSP00000064780	8.25E-06	-0.3940	0	0.158
ENSP00000236709	5.30E-06	-0.3941	0	0.074
ENSP00000284674	3.89E-06	-0.3942	0	0.205
ENSP00000298110	6.98E-06	-0.3952	0	0.247
ENSP00000369564	2.85E-06	-0.3954	0	0.289
ENSP00000246104	6.47E-06	-0.3956	0	0.800
ENSP00000283256	8.44E-06	-0.3958	163	0.533
ENSP00000298974	2.75E-06	-0.3958	0	0.275
ENSP00000333300	4.85E-06	-0.3959	0	0.228
ENSP00000321976	8.72E-06	-0.3959	201	0.605
ENSP00000256404	3.48E-06	-0.3961	0	0.176

ENSP00000340609	4.10E-06	-0.3962	0	0.611
ENSP00000336764	1.14E-05	-0.3963	240	0.608
ENSP00000328472	4.19E-06	-0.3964	0	0.461
ENSP00000300778	2.01E-06	-0.3965	0	0.000
ENSP00000389870	7.20E-06	-0.3968	0	0.876
ENSP00000327824	5.46E-06	-0.3969	0	0.537
ENSP00000386201	4.84E-06	-0.3970	0	0.474
ENSP00000284562	6.08E-06	-0.3972	0	0.108
ENSP00000450281	1.34E-06	-0.3974	0	0.113
ENSP00000278947	3.44E-06	-0.3975	0	0.123
ENSP00000262794	3.56E-06	-0.3976	0	0.779
ENSP00000323194	4.43E-06	-0.3976	0	0.563
ENSP00000322300	2.97E-06	-0.3977	0	0.219
ENSP00000343995	2.64E-06	-0.3979	0	0.066
ENSP00000301202	3.16E-03	-0.3979	0	0.189
ENSP00000252997	7.52E-06	-0.3979	596	0.000
ENSP00000220478	6.68E-06	-0.3980	0	0.094
ENSP00000377344	3.53E-06	-0.3980	0	0.000
ENSP00000337446	5.01E-06	-0.3980	0	0.273
ENSP00000415398	4.75E-06	-0.3986	173	0.000
ENSP00000345824	3.67E-06	-0.3986	0	0.068
ENSP00000355273	4.16E-06	-0.3986	0	0.112
ENSP00000324651	5.23E-06	-0.3987	0	0.051
ENSP00000346990	5.64E-06	-0.3987	0	0.123
ENSP00000236166	5.07E-06	-0.3988	0	0.000
ENSP00000386210	3.77E-06	-0.3989	0	0.479
ENSP00000316518	3.33E-05	-0.3997	0	0.219
ENSP00000329990	9.29E-06	-0.4001	201	0.000
ENSP00000289248	3.67E-06	-0.4001	0	0.437
ENSP00000361700	4.30E-06	-0.4001	0	0.260
ENSP00000263726	5.18E-06	-0.4003	0	0.785
ENSP00000303212	5.31E-06	-0.4004	0	0.544
ENSP00000358466	2.01E-06	-0.4004	0	0.066
ENSP00000354347	3.17E-03	-0.4005	471	0.629
ENSP00000314173	3.40E-06	-0.4007	0	0.125
ENSP00000261797	8.11E-06	-0.4008	196	0.342
ENSP00000276646	4.51E-06	-0.4009	0	0.090
ENSP00000265500	3.12E-06	-0.4010	0	0.000
ENSP00000239032	6.92E-06	-0.4010	0	0.417
ENSP00000449253	3.75E-06	-0.4011	0	0.174
ENSP00000225410	4.77E-06	-0.4011	0	0.000
ENSP00000296142	2.28E-06	-0.4012	0	0.106
ENSP00000274629	6.40E-06	-0.4013	0	0.182
ENSP00000335578	5.69E-06	-0.4013	0	0.818
ENSP00000293973	5.57E-06	-0.4013	0	0.512
ENSP00000291839	5.25E-06	-0.4014	0	0.078

ENSP00000207157	5.70E-06	-0.4015	0	0.787
ENSP00000323479	5.12E-06	-0.4015	0	0.102
ENSP00000316416	4.63E-06	-0.4016	0	0.254
ENSP00000360310	4.72E-06	-0.4019	0	0.756
ENSP00000257868	7.13E-06	-0.4022	0	0.873
ENSP00000316173	6.34E-06	-0.4028	0	0.132
ENSP00000353796	5.82E-06	-0.4028	201	0.000
ENSP00000280350	3.76E-06	-0.4029	0	0.168
ENSP00000300873	4.79E-06	-0.4033	0	0.525
ENSP00000339973	2.09E-06	-0.4034	0	0.219
ENSP00000366549	3.85E-06	-0.4035	0	0.101
ENSP00000331636	2.06E-06	-0.4039	0	0.000
ENSP00000452854	3.29E-06	-0.4041	0	0.714
ENSP00000319318	3.56E-06	-0.4041	0	0.610
ENSP00000432622	7.34E-08	-0.4043	0	0.000
ENSP00000457849	2.17E-06	-0.4044	0	0.000
ENSP00000339820	4.48E-06	-0.4046	0	0.140
ENSP00000282185	4.83E-06	-0.4047	0	0.072
ENSP00000317619	3.96E-06	-0.4048	0	0.062
ENSP00000263881	5.63E-06	-0.4048	246	0.640
ENSP00000242317	4.28E-06	-0.4051	0	0.151
ENSP00000301887	7.78E-06	-0.4053	224	0.000
ENSP00000303775	7.44E-06	-0.4053	0	0.526
ENSP00000349490	5.91E-06	-0.4054	0	0.744
ENSP00000353151	5.14E-06	-0.4056	0	0.821
ENSP00000378611	3.96E-06	-0.4056	0	0.421
ENSP00000262648	8.40E-06	-0.4057	465	0.000
ENSP00000219320	5.08E-06	-0.4063	0	0.039
ENSP00000349320	4.64E-06	-0.4063	0	0.247
ENSP00000252602	3.37E-06	-0.4063	0	0.553
ENSP00000269197	4.77E-06	-0.4064	0	0.724
ENSP00000215530	6.83E-06	-0.4066	0	0.903
ENSP00000355082	3.05E-06	-0.4066	0	0.102
ENSP00000307126	5.98E-06	-0.4067	0	0.083
ENSP00000335006	3.79E-06	-0.4067	0	0.116
ENSP00000260323	3.82E-06	-0.4069	0	0.186
ENSP00000345014	2.13E-06	-0.4069	0	0.000
ENSP00000264249	4.88E-06	-0.4070	0	0.059
ENSP00000383212	3.16E-06	-0.4072	0	0.134
ENSP00000203629	1.10E-05	-0.4073	0	0.511
ENSP00000233735	8.91E-06	-0.4073	0	0.251
ENSP00000430846	2.30E-06	-0.4075	0	0.049
ENSP00000290332	3.43E-06	-0.4076	0	0.061
ENSP00000335191	4.65E-06	-0.4076	0	0.766
ENSP00000338191	4.87E-06	-0.4077	0	0.097
ENSP00000361914	6.73E-06	-0.4077	369	0.191

ENSP00000223145	3.26E-06	-0.4078	0	0.097
ENSP00000382260	3.42E-06	-0.4078	0	0.140
ENSP00000332068	5.86E-07	-0.4079	0	0.000
ENSP00000348793	3.44E-06	-0.4085	0	0.000
ENSP00000055335	6.17E-06	-0.4086	0	0.208
ENSP00000017003	3.57E-06	-0.4088	0	0.051
ENSP00000320431	3.81E-06	-0.4088	0	0.050
ENSP00000369573	9.85E-06	-0.4088	0	0.000
ENSP00000325674	4.83E-06	-0.4093	0	0.269
ENSP00000252677	7.10E-06	-0.4094	0	0.852
ENSP00000452398	4.85E-06	-0.4094	0	0.791
ENSP00000417871	4.53E-06	-0.4095	317	0.568
ENSP00000332124	3.80E-06	-0.4097	0	0.000
ENSP00000312587	3.38E-06	-0.4102	0	0.104
ENSP00000363398	4.77E-06	-0.4109	0	0.147
ENSP00000401536	2.30E-06	-0.4114	0	0.688
ENSP00000334644	4.27E-06	-0.4118	0	0.111
ENSP00000279575	4.15E-06	-0.4118	0	0.152
ENSP00000360811	6.35E-06	-0.4120	0	0.837
ENSP00000348460	5.62E-06	-0.4122	163	0.682
ENSP00000261448	5.74E-06	-0.4123	0	0.236
ENSP00000362398	3.65E-06	-0.4124	0	0.000
ENSP00000354966	3.62E-06	-0.4127	0	0.107
ENSP00000356687	5.15E-06	-0.4132	558	0.098
ENSP00000300688	2.74E-06	-0.4132	0	0.280
ENSP00000262811	3.90E-06	-0.4136	0	0.385
ENSP00000299308	1.72E-06	-0.4137	0	0.206
ENSP00000354963	3.28E-06	-0.4140	0	0.072
ENSP00000308733	4.80E-06	-0.4141	0	0.261
ENSP00000377311	4.45E-06	-0.4143	535	0.246
ENSP00000267731	4.44E-06	-0.4148	0	0.000
ENSP00000366682	3.89E-06	-0.4149	0	0.327
ENSP00000258829	5.25E-06	-0.4154	0	0.814
ENSP00000334547	4.51E-06	-0.4155	0	0.755
ENSP00000282096	5.98E-06	-0.4155	0	0.663
ENSP00000209718	4.47E-06	-0.4159	0	0.147
ENSP00000303740	4.42E-06	-0.4162	0	0.000
ENSP00000269081	4.88E-06	-0.4166	0	0.082
ENSP00000359579	4.01E-06	-0.4169	0	0.000
ENSP00000256343	3.84E-06	-0.4174	0	0.061
ENSP00000310696	6.34E-06	-0.4175	0	0.077
ENSP00000198801	4.39E-06	-0.4175	0	0.190
ENSP00000305824	3.48E-06	-0.4177	0	0.153
ENSP00000319991	3.95E-06	-0.4181	0	0.050
ENSP00000262113	6.73E-06	-0.4181	0	0.212
ENSP00000362131	2.67E-06	-0.4183	0	0.666

ENSP00000341682	4.10E-06	-0.4184	0	0.082
ENSP00000348821	3.21E-06	-0.4185	0	0.233
ENSP00000359300	4.90E-06	-0.4186	0	0.661
ENSP00000306678	7.96E-06	-0.4190	201	0.638
ENSP00000353655	4.55E-06	-0.4192	0	0.117
ENSP00000363232	1.83E-06	-0.4200	0	0.182
ENSP00000360577	2.98E-06	-0.4201	0	0.236
ENSP00000361952	2.36E-06	-0.4204	0	0.077
ENSP00000218104	5.93E-06	-0.4207	0	0.191
ENSP00000466174	8.69E-06	-0.4212	224	0.000
ENSP00000363807	3.30E-06	-0.4212	0	0.088
ENSP00000334198	3.26E-06	-0.4213	0	0.297
ENSP00000225609	5.38E-06	-0.4216	0	0.097
ENSP00000369530	4.64E-06	-0.4226	0	0.155
ENSP00000352782	2.97E-06	-0.4227	0	0.125
ENSP00000385632	6.06E-06	-0.4228	511	0.657
ENSP00000333292	3.70E-06	-0.4229	0	0.074
ENSP00000307694	4.30E-06	-0.4231	0	0.110
ENSP00000383023	6.25E-06	-0.4233	0	0.393
ENSP00000294117	5.85E-06	-0.4238	0	0.447
ENSP00000359045	2.70E-06	-0.4239	0	0.091
ENSP00000362103	4.28E-06	-0.4240	0	0.848
ENSP00000215479	6.56E-06	-0.4244	0	0.093
ENSP00000451628	2.34E-06	-0.4245	0	0.000
ENSP00000281474	2.63E-06	-0.4246	0	0.117
ENSP00000225941	3.68E-06	-0.4254	0	0.275
ENSP00000268674	6.22E-06	-0.4255	0	0.000
ENSP00000350248	3.08E-07	-0.4256	0	0.000
ENSP00000314129	7.41E-06	-0.4259	408	0.000
ENSP00000369689	5.18E-06	-0.4266	153	0.000
ENSP00000339221	3.33E-06	-0.4268	0	0.000
ENSP00000334181	5.77E-06	-0.4270	163	0.000
ENSP00000355441	2.91E-07	-0.4270	0	0.000
ENSP00000209929	5.25E-06	-0.4273	0	0.081
ENSP00000384665	1.38E-05	-0.4274	165	0.651
ENSP00000295237	3.58E-06	-0.4275	0	0.121
ENSP00000463576	4.12E-06	-0.4286	173	0.000
ENSP00000323071	3.37E-06	-0.4287	0	0.227
ENSP00000262717	4.13E-06	-0.4288	0	0.097
ENSP00000246515	6.63E-06	-0.4289	0	0.203
ENSP00000257215	5.77E-06	-0.4290	0	0.141
ENSP00000324419	3.36E-06	-0.4290	0	0.173
ENSP00000265825	4.30E-06	-0.4293	0	0.082
ENSP00000366061	9.26E-06	-0.4298	151	0.548
ENSP00000356793	5.28E-06	-0.4306	0	0.482
ENSP00000324857	4.04E-06	-0.4308	0	0.524

ENSP00000289753	7.23E-06	-0.4310	0	0.634
ENSP00000397351	3.31E-06	-0.4311	0	0.288
ENSP00000319370	2.27E-06	-0.4315	0	0.098
ENSP00000371377	1.49E-06	-0.4319	0	0.000
ENSP00000253401	4.53E-06	-0.4322	0	0.092
ENSP00000242462	6.68E-06	-0.4325	0	0.847
ENSP00000305696	3.46E-06	-0.4330	0	0.339
ENSP00000345436	7.78E-06	-0.4332	201	0.664
ENSP00000379377	5.58E-06	-0.4332	0	0.113
ENSP00000318974	2.32E-06	-0.4336	0	0.116
ENSP00000424595	5.36E-06	-0.4340	241	0.621
ENSP00000230323	2.05E-06	-0.4341	0	0.000
ENSP00000299989	4.59E-06	-0.4341	0	0.000
ENSP00000216416	3.40E-06	-0.4342	0	0.000
ENSP00000265459	4.31E-06	-0.4349	0	0.148
ENSP00000259895	7.04E-06	-0.4349	0	0.577
ENSP00000280056	4.96E-06	-0.4352	0	0.190
ENSP00000364831	4.57E-06	-0.4358	0	0.132
ENSP00000350022	6.76E-07	-0.4362	0	0.000
ENSP00000357087	2.74E-06	-0.4364	0	0.000
ENSP00000331600	3.71E-06	-0.4366	0	0.229
ENSP00000278882	3.63E-06	-0.4367	0	0.000
ENSP00000216124	6.76E-06	-0.4368	0	0.137
ENSP00000225276	4.49E-06	-0.4372	0	0.085
ENSP00000378690	4.05E-06	-0.4372	153	0.000
ENSP00000307006	4.74E-06	-0.4373	0	0.768
ENSP00000269945	4.32E-06	-0.4376	0	0.507
ENSP00000261381	4.01E-06	-0.4380	0	0.049
ENSP00000466795	2.06E-06	-0.4381	0	0.000
ENSP00000347721	3.43E-06	-0.4381	0	0.065
ENSP00000349577	7.42E-06	-0.4382	204	0.282
ENSP00000207457	3.96E-06	-0.4382	0	0.054
ENSP00000334113	3.04E-06	-0.4383	0	0.201
ENSP00000329991	5.59E-06	-0.4384	0	0.710
ENSP00000411096	5.85E-06	-0.4387	207	0.149
ENSP00000229134	7.37E-06	-0.4390	0	0.554
ENSP00000305613	4.15E-06	-0.4392	0	0.203
ENSP00000450554	2.07E-06	-0.4393	0	0.000
ENSP00000335560	5.39E-06	-0.4401	0	0.592
ENSP00000312385	4.30E-06	-0.4403	0	0.813
ENSP00000239587	3.90E-06	-0.4413	0	0.121
ENSP00000324343	3.77E-06	-0.4413	0	0.089
ENSP00000281047	6.28E-06	-0.4414	0	0.812
ENSP00000264051	4.21E-06	-0.4418	0	0.631
ENSP00000332766	4.93E-06	-0.4420	0	0.514
ENSP00000345147	5.66E-06	-0.4424	0	0.802

ENSP00000328598	4.37E-06	-0.4427	0	0.812
ENSP00000294725	3.34E-06	-0.4433	0	0.057
ENSP00000318982	3.65E-06	-0.4435	0	0.179
ENSP00000327465	3.73E-06	-0.4436	0	0.343
ENSP00000354961	3.59E-06	-0.4441	0	0.275
ENSP00000365895	4.20E-06	-0.4445	0	0.060
ENSP00000331933	3.57E-06	-0.4447	0	0.354
ENSP00000035307	4.44E-06	-0.4450	0	0.053
ENSP00000430241	3.40E-06	-0.4450	0	0.766
ENSP00000355354	3.06E-06	-0.4454	0	0.668
ENSP00000334050	4.42E-06	-0.4462	0	0.487
ENSP00000296499	4.81E-06	-0.4468	0	0.285
ENSP00000289575	4.94E-06	-0.4470	0	0.049
ENSP00000372319	5.75E-06	-0.4473	163	0.000
ENSP00000262301	6.95E-06	-0.4476	215	0.164
ENSP00000302194	2.70E-06	-0.4476	0	0.056
ENSP00000249598	9.39E-06	-0.4482	0	0.000
ENSP00000309794	3.34E-06	-0.4484	0	0.173
ENSP00000405095	2.90E-06	-0.4495	0	0.486
ENSP00000307971	5.30E-06	-0.4497	0	0.761
ENSP00000320965	3.88E-06	-0.4499	0	0.057
ENSP00000328818	4.97E-06	-0.4503	0	0.522
ENSP00000284425	8.61E-06	-0.4503	0	0.088
ENSP00000303252	6.00E-06	-0.4506	255	0.262
ENSP00000333310	7.87E-06	-0.4510	0	0.096
ENSP00000223324	2.53E-06	-0.4511	0	0.636
ENSP00000283228	4.51E-06	-0.4513	0	0.669
ENSP00000321345	4.81E-06	-0.4517	0	0.620
ENSP00000352144	3.02E-06	-0.4524	0	0.077
ENSP00000380523	5.04E-06	-0.4528	0	0.646
ENSP00000260283	3.02E-06	-0.4529	0	0.238
ENSP00000265022	3.52E-06	-0.4534	0	0.116
ENSP00000304235	1.16E-06	-0.4542	0	0.000
ENSP00000308334	3.20E-06	-0.4546	0	0.051
ENSP00000362354	5.07E-06	-0.4550	180	0.666
ENSP00000381758	3.58E-06	-0.4550	0	0.000
ENSP00000315006	5.00E-06	-0.4550	0	0.078
ENSP00000308770	5.91E-06	-0.4556	0	0.074
ENSP00000264433	2.86E-06	-0.4557	0	0.100
ENSP00000304502	5.61E-06	-0.4558	0	0.844
ENSP00000301175	4.55E-06	-0.4558	0	0.144
ENSP00000301050	3.40E-06	-0.4558	0	0.177
ENSP00000307766	8.81E-06	-0.4558	211	0.510
ENSP00000290390	3.90E-06	-0.4563	0	0.196
ENSP00000330276	4.09E-06	-0.4570	0	0.477
ENSP00000380053	6.12E-06	-0.4572	0	0.819

ENSP00000282146	3.33E-06	-0.4580	0	0.061
ENSP00000341237	4.75E-06	-0.4582	173	0.000
ENSP00000287042	4.14E-06	-0.4584	0	0.060
ENSP00000302836	4.87E-06	-0.4589	0	0.730
ENSP00000247138	4.03E-06	-0.4594	0	0.114
ENSP00000264554	7.22E-06	-0.4600	0	0.804
ENSP00000320219	4.03E-06	-0.4601	0	0.077
ENSP00000258324	4.59E-06	-0.4604	0	0.000
ENSP00000264020	3.14E-06	-0.4608	0	0.071
ENSP00000313661	6.00E-06	-0.4611	0	0.000
ENSP00000338349	4.15E-06	-0.4613	0	0.182
ENSP00000431719	2.85E-06	-0.4614	0	0.497
ENSP00000253122	3.73E-06	-0.4621	0	0.077
ENSP00000329256	2.32E-06	-0.4637	0	0.000
ENSP00000329684	4.93E-06	-0.4640	0	0.490
ENSP00000273814	4.35E-06	-0.4640	0	0.132
ENSP00000368109	4.14E-06	-0.4647	0	0.194
ENSP00000423313	1.87E-06	-0.4648	0	0.123
ENSP00000268989	2.85E-06	-0.4649	0	0.161
ENSP00000363350	2.22E-06	-0.4652	0	0.000
ENSP00000322924	8.81E-06	-0.4653	234	0.589
ENSP00000434241	2.56E-06	-0.4654	0	0.145
ENSP00000260953	3.99E-06	-0.4655	0	0.256
ENSP00000288490	2.60E-06	-0.4655	0	0.103
ENSP00000266383	4.24E-06	-0.4663	0	0.123
ENSP00000226067	6.40E-06	-0.4665	0	0.695
ENSP00000359683	2.54E-06	-0.4673	0	0.000
ENSP00000307726	7.03E-07	-0.4683	0	0.000
ENSP00000327724	4.44E-06	-0.4684	0	0.489
ENSP00000419266	4.17E-06	-0.4687	0	0.828
ENSP00000328230	4.83E-06	-0.4699	0	0.476
ENSP00000258111	3.85E-06	-0.4707	0	0.105
ENSP00000380153	3.25E-06	-0.4709	0	0.000
ENSP00000229335	5.61E-06	-0.4709	0	0.693
ENSP00000264151	5.78E-06	-0.4716	0	0.269
ENSP00000331698	3.04E-06	-0.4720	0	0.167
ENSP00000297146	3.88E-06	-0.4721	0	0.240
ENSP00000348772	6.23E-06	-0.4722	360	0.000
ENSP00000230053	3.89E-06	-0.4727	0	0.078
ENSP00000354416	5.74E-06	-0.4733	0	0.547
ENSP00000367930	5.30E-06	-0.4735	0	0.474
ENSP00000297994	3.46E-06	-0.4735	0	0.743
ENSP00000261196	5.80E-06	-0.4741	0	0.167
ENSP00000363939	3.59E-06	-0.4744	0	0.000
ENSP00000405950	3.66E-06	-0.4747	0	0.000
ENSP00000358802	3.32E-06	-0.4750	0	0.151



ENSP00000231228	8.44E-06	-0.4757	0	0.755
ENSP00000320957	4.80E-06	-0.4762	0	0.793
ENSP00000386167	1.16E-06	-0.4768	0	0.000
ENSP00000363459	2.28E-06	-0.4776	0	0.000
ENSP00000264661	4.37E-06	-0.4777	0	0.096
ENSP00000301305	3.03E-06	-0.4781	0	0.110
ENSP00000262895	4.98E-06	-0.4782	0	0.309
ENSP00000243913	4.32E-06	-0.4783	0	0.067
ENSP00000263080	6.06E-06	-0.4785	0	0.082
ENSP00000259241	5.30E-06	-0.4786	0	0.382
ENSP00000330384	9.25E-07	-0.4788	0	0.000
ENSP00000341821	7.59E-06	-0.4790	0	0.476
ENSP00000226021	3.98E-06	-0.4797	0	0.166
ENSP00000328277	3.04E-06	-0.4797	0	0.124
ENSP00000452549	2.53E-06	-0.4798	0	0.267
ENSP00000302166	3.56E-06	-0.4801	0	0.171
ENSP00000295314	6.50E-06	-0.4808	0	0.329
ENSP00000355156	4.29E-06	-0.4813	0	0.464
ENSP00000439425	3.53E-06	-0.4814	0	0.000
ENSP00000274093	5.71E-06	-0.4818	0	0.279
ENSP00000259216	6.45E-06	-0.4824	0	0.567
ENSP00000312129	3.72E-06	-0.4828	0	0.048
ENSP00000263278	5.35E-06	-0.4833	0	0.230
ENSP00000302801	2.76E-06	-0.4846	0	0.799
ENSP00000240361	2.85E-06	-0.4849	0	0.083
ENSP00000312329	3.09E-06	-0.4849	0	0.000
ENSP00000363296	9.04E-06	-0.4850	324	0.574
ENSP00000361475	3.56E-06	-0.4850	0	0.292
ENSP00000341479	3.13E-06	-0.4853	0	0.194
ENSP00000369960	5.95E-06	-0.4855	0	0.497
ENSP00000283936	3.74E-06	-0.4864	0	0.197
ENSP00000385247	3.16E-06	-0.4865	0	0.000
ENSP00000287490	3.23E-06	-0.4871	0	0.249
ENSP00000378492	9.02E-06	-0.4878	426	0.615
ENSP00000401514	2.62E-06	-0.4884	0	0.118
ENSP00000308908	4.46E-06	-0.4884	0	0.147
ENSP00000249601	4.74E-06	-0.4885	0	0.452
ENSP00000355837	3.29E-06	-0.4889	0	0.000
ENSP00000276211	3.22E-06	-0.4892	0	0.281
ENSP00000295055	2.48E-06	-0.4895	0	0.631
ENSP00000350836	8.21E-07	-0.4905	0	0.000
ENSP00000332812	5.89E-06	-0.4905	0	0.529
ENSP00000251108	3.57E-06	-0.4908	0	0.279
ENSP00000230582	6.28E-06	-0.4908	0	0.110
ENSP00000247883	6.16E-06	-0.4909	0	0.493
ENSP00000373193	3.62E-06	-0.4924	0	0.000

ENSP00000264977	3.75E-06	-0.4932	0	0.227
ENSP00000262622	4.07E-06	-0.4936	0	0.105
ENSP00000355316	7.96E-06	-0.4944	316	0.634
ENSP00000248150	5.63E-06	-0.4953	0	0.544
ENSP00000243103	3.45E-06	-0.4954	0	0.630
ENSP00000322898	5.44E-06	-0.4954	0	0.849
ENSP00000229554	2.92E-06	-0.4957	0	0.034
ENSP00000263160	6.48E-06	-0.4972	0	0.542
ENSP00000465737	2.26E-06	-0.4978	0	0.000
ENSP00000302968	4.21E-06	-0.4978	163	0.000
ENSP00000297404	2.73E-06	-0.4989	0	0.091
ENSP00000244174	5.41E-06	-0.4995	0	0.448
ENSP00000215368	5.69E-06	-0.4996	0	0.832
ENSP00000318502	4.25E-06	-0.4998	0	0.682
ENSP00000274849	2.80E-06	-0.5003	0	0.853
ENSP00000452702	4.15E-06	-0.5013	0	0.652
ENSP00000286639	7.25E-06	-0.5029	273	0.000
ENSP00000243440	6.34E-06	-0.5032	224	0.000
ENSP00000256861	4.34E-06	-0.5036	0	0.000
ENSP00000310490	2.99E-06	-0.5036	0	0.093
ENSP00000296777	6.79E-06	-0.5037	0	0.557
ENSP00000270458	3.18E-06	-0.5037	0	0.114
ENSP00000329539	4.74E-06	-0.5044	0	0.716
ENSP00000257974	4.95E-06	-0.5049	0	0.145
ENSP00000315654	2.92E-06	-0.5053	0	0.095
ENSP00000351884	3.01E-06	-0.5079	0	0.152
ENSP00000307822	4.96E-06	-0.5084	0	0.438
ENSP00000247879	6.39E-06	-0.5093	0	0.492
ENSP00000249501	5.88E-06	-0.5101	0	0.842
ENSP00000347646	3.11E-06	-0.5108	0	0.655
ENSP00000332737	4.14E-06	-0.5112	0	0.485
ENSP00000298440	5.13E-06	-0.5132	0	0.452
ENSP00000269080	4.36E-06	-0.5146	0	0.128
ENSP00000346401	2.39E-06	-0.5149	0	0.243
ENSP00000250838	4.17E-06	-0.5160	163	0.000
ENSP00000356331	1.39E-05	-0.5166	242	0.833
ENSP00000401966	3.40E-07	-0.5175	0	0.000
ENSP00000431914	1.57E-06	-0.5193	0	0.000
ENSP00000387523	1.32E-06	-0.5196	0	0.000
ENSP00000304127	3.65E-06	-0.5226	0	0.074
ENSP00000358783	3.99E-06	-0.5228	0	0.461
ENSP00000327585	4.70E-06	-0.5232	158	0.000
ENSP00000232766	3.93E-06	-0.5237	0	0.598
ENSP00000274400	3.54E-06	-0.5241	0	0.784
ENSP00000327611	3.29E-06	-0.5254	0	0.057
ENSP00000303325	5.86E-06	-0.5254	0	0.620

ENSP00000331938	3.17E-06	-0.5278	0	0.000
ENSP00000277942	5.66E-06	-0.5281	0	0.469
ENSP00000271971	2.38E-06	-0.5297	0	0.000
ENSP00000215882	3.98E-06	-0.5305	0	0.159
ENSP00000265104	2.44E-06	-0.5319	0	0.118
ENSP00000218176	4.41E-06	-0.5320	0	0.264
ENSP00000351466	2.67E-06	-0.5322	0	0.000
ENSP00000354957	3.72E-06	-0.5330	0	0.798
ENSP00000227256	6.61E-06	-0.5339	0	0.000
ENSP00000257549	4.49E-06	-0.5344	0	0.421
ENSP00000316955	9.10E-07	-0.5350	0	0.000
ENSP00000312554	2.77E-06	-0.5354	0	0.126
ENSP00000267377	5.90E-06	-0.5363	0	0.642
ENSP00000381036	2.35E-06	-0.5374	0	0.000
ENSP00000301037	5.43E-06	-0.5417	158	0.000
ENSP00000226091	4.69E-06	-0.5465	0	0.711
ENSP00000225235	3.25E-06	-0.5473	0	0.220
ENSP00000240335	5.50E-06	-0.5474	0	0.846
ENSP00000428619	2.82E-06	-0.5489	0	0.855
ENSP00000005284	2.83E-06	-0.5497	0	0.137
ENSP00000262442	2.33E-06	-0.5498	0	0.114
ENSP00000359643	7.43E-06	-0.5523	150	0.635
ENSP00000396747	6.67E-06	-0.5524	201	0.000
ENSP00000306095	6.41E-07	-0.5524	0	0.000
ENSP00000246115	5.77E-06	-0.5526	0	0.481
ENSP00000246549	6.00E-06	-0.5531	0	0.472
ENSP00000249041	6.16E-06	-0.5566	0	0.501
ENSP00000373702	2.35E-06	-0.5572	0	0.583
ENSP00000221444	3.42E-06	-0.5590	0	0.081
ENSP00000386502	6.52E-06	-0.5590	201	0.000
ENSP00000330284	4.43E-06	-0.5622	0	0.496
ENSP00000445688	6.57E-06	-0.5668	201	0.000
ENSP00000355435	7.81E-07	-0.5682	0	0.000
ENSP00000471417	6.65E-06	-0.5699	201	0.000
ENSP00000444054	4.66E-07	-0.5702	0	0.000
ENSP00000240306	5.89E-06	-0.5708	0	0.844
ENSP00000263776	4.27E-06	-0.5714	0	0.185
ENSP00000241256	6.79E-06	-0.5761	0	0.656
ENSP00000386160	1.58E-06	-0.5762	0	0.000
ENSP00000269466	4.18E-06	-0.5808	0	0.729
ENSP00000301908	5.91E-06	-0.5821	0	0.539
ENSP00000234389	3.75E-06	-0.5857	0	0.348
ENSP00000287907	4.86E-06	-0.5882	0	0.528
ENSP00000367219	6.58E-07	-0.5890	0	0.000
ENSP00000271385	4.12E-06	-0.5916	0	0.655
ENSP00000291041	1.84E-06	-0.5930	0	0.000

ENSP00000301532	1.07E-06	-0.5931	0	0.000
ENSP00000326232	4.50E-06	-0.5938	214	0.000
ENSP00000303096	3.97E-07	-0.5944	0	0.000
ENSP00000265440	2.08E-06	-0.5956	0	0.000
ENSP00000271751	4.61E-06	-0.5964	0	0.259
ENSP00000299727	5.32E-06	-0.5975	0	0.553
ENSP00000321419	6.03E-07	-0.5987	0	0.000
ENSP00000328215	5.49E-07	-0.6033	0	0.000
ENSP00000386195	3.80E-07	-0.6068	0	0.000
ENSP00000255008	4.70E-06	-0.6076	0	0.516
ENSP00000365451	1.48E-06	-0.6081	0	0.000
ENSP00000274643	2.75E-06	-0.6089	0	0.659
ENSP00000276616	2.60E-06	-0.6091	0	0.000
ENSP00000175756	4.19E-06	-0.6100	0	0.617
ENSP00000324913	8.94E-07	-0.6115	0	0.000
ENSP00000342697	4.89E-07	-0.6116	0	0.000
ENSP00000380155	1.99E-06	-0.6119	0	0.000
ENSP00000305424	6.26E-07	-0.6119	0	0.000
ENSP00000376633	4.62E-07	-0.6137	0	0.000
ENSP00000305877	5.02E-06	-0.6139	0	0.540
ENSP00000362133	7.13E-05	-0.6165	0	0.208
ENSP00000327875	4.46E-06	-0.6180	0	0.513
ENSP00000261891	2.68E-06	-0.6184	0	0.000
ENSP00000386959	2.14E-06	-0.6198	0	0.000
ENSP00000445383	3.59E-07	-0.6211	0	0.000
ENSP00000302437	4.42E-07	-0.6211	0	0.000
ENSP00000326259	7.71E-07	-0.6245	0	0.000
ENSP00000322435	4.51E-07	-0.6254	0	0.000
ENSP00000331545	1.16E-06	-0.6256	0	0.000
ENSP00000258930	3.19E-06	-0.6258	0	0.276
ENSP00000384563	2.31E-06	-0.6266	0	0.000
ENSP00000384434	3.25E-06	-0.6310	0	0.000
ENSP00000254101	2.74E-06	-0.6421	0	0.000
ENSP00000269878	3.08E-06	-0.6480	0	0.221
ENSP00000261383	2.26E-06	-0.6481	0	0.108
ENSP00000452401	6.53E-06	-0.6527	158	0.000
ENSP00000393889	5.35E-07	-0.6560	0	0.000
ENSP00000349719	9.06E-07	-0.6597	0	0.000
ENSP00000303151	7.83E-07	-0.6625	0	0.000
ENSP00000308764	4.69E-07	-0.6667	0	0.000
ENSP00000341291	4.41E-07	-0.6696	0	0.000
ENSP00000324769	1.64E-06	-0.6726	0	0.000
ENSP00000334115	1.92E-06	-0.6733	0	0.000
ENSP00000347418	7.63E-07	-0.6735	0	0.000
ENSP00000436004	8.70E-07	-0.6742	0	0.000
ENSP00000334441	8.14E-07	-0.6760	0	0.000

ENSP00000313936	1.41E-06	-0.6785	0	0.000
ENSP00000431165	6.14E-06	-0.6801	158	0.000
ENSP00000367649	4.32E-07	-0.6813	0	0.000
ENSP00000363913	4.50E-06	-0.6824	167	0.000
ENSP00000228862	3.96E-06	-0.6842	0	0.758
ENSP00000304419	5.80E-07	-0.6856	0	0.000
ENSP00000307447	4.39E-06	-0.6919	325	0.000
ENSP00000310632	1.81E-06	-0.6949	0	0.000
ENSP00000255262	5.29E-06	-0.6952	0	0.544
ENSP00000373196	7.91E-07	-0.6957	0	0.000
ENSP00000305640	5.15E-07	-0.6961	0	0.000
ENSP00000368990	4.30E-06	-0.7001	235	0.000
ENSP00000330049	2.49E-06	-0.7015	0	0.000
ENSP00000341581	5.22E-07	-0.7033	0	0.000
ENSP00000432011	4.86E-07	-0.7057	0	0.000
ENSP00000331823	1.64E-06	-0.7092	0	0.000
ENSP00000389625	9.47E-07	-0.7122	0	0.000
ENSP00000350474	7.76E-07	-0.7165	0	0.000
ENSP00000346345	7.26E-06	-0.7179	0	0.000
ENSP00000441354	5.83E-07	-0.7198	0	0.000
ENSP00000305207	5.93E-07	-0.7214	0	0.000
ENSP00000325381	1.20E-06	-0.7225	0	0.000
ENSP00000325682	4.51E-07	-0.7303	0	0.000
ENSP00000256261	3.57E-06	-0.7325	0	0.636
ENSP00000244623	5.19E-07	-0.7331	0	0.000
ENSP00000326349	5.59E-07	-0.7331	0	0.000
ENSP00000304188	5.32E-07	-0.7359	0	0.000
ENSP00000357134	7.74E-07	-0.7378	0	0.000
ENSP00000386174	1.77E-06	-0.7395	0	0.000
ENSP00000355429	8.23E-07	-0.7444	0	0.000
ENSP00000342448	3.39E-07	-0.7465	0	0.000
ENSP00000355430	3.43E-07	-0.7469	0	0.000
ENSP00000344040	1.59E-06	-0.7487	0	0.000
ENSP00000310337	2.40E-06	-0.7496	0	0.000
ENSP00000328934	3.23E-07	-0.7507	0	0.000
ENSP00000386209	4.57E-07	-0.7509	0	0.000
ENSP00000367664	4.76E-07	-0.7527	0	0.000
ENSP00000302863	7.00E-07	-0.7566	0	0.000
ENSP00000347965	6.99E-07	-0.7583	0	0.000
ENSP00000317482	8.30E-07	-0.7662	0	0.000
ENSP00000369729	5.56E-07	-0.7684	0	0.000
ENSP00000435416	5.32E-07	-0.7688	0	0.000
ENSP00000334393	7.62E-07	-0.7698	0	0.000
ENSP00000409094	3.01E-07	-0.7701	0	0.000
ENSP00000353044	3.09E-07	-0.7717	0	0.000
ENSP00000386151	4.43E-07	-0.7736	0	0.000

ENSP00000310773	9.41E-07	-0.7755	0	0.000
ENSP00000369728	1.04E-06	-0.7760	0	0.000
ENSP00000322088	4.63E-07	-0.7768	0	0.000
ENSP00000330338	6.29E-07	-0.7782	0	0.000
ENSP00000364164	3.74E-07	-0.7785	0	0.000
ENSP00000259357	5.26E-07	-0.7800	0	0.000
ENSP00000412752	3.67E-07	-0.7836	0	0.000
ENSP00000284287	5.23E-07	-0.7852	0	0.000
ENSP00000314324	5.75E-07	-0.7857	0	0.000
ENSP00000324958	5.12E-07	-0.7881	0	0.000
ENSP00000329056	7.07E-07	-0.7888	0	0.000
ENSP00000324557	1.22E-06	-0.7910	0	0.000
ENSP00000328144	5.85E-07	-0.7920	0	0.000
ENSP00000326301	3.27E-07	-0.7942	0	0.000
ENSP00000331789	9.14E-07	-0.7950	0	0.000
ENSP00000298642	5.59E-07	-0.7953	0	0.000
ENSP00000353537	4.28E-07	-0.7963	0	0.000
ENSP00000355431	7.88E-07	-0.7984	0	0.000
ENSP00000352710	7.23E-07	-0.7987	0	0.000
ENSP00000378516	4.42E-07	-0.7993	0	0.000
ENSP00000319511	5.03E-07	-0.7995	0	0.000
ENSP00000355432	7.15E-07	-0.8028	0	0.000
ENSP00000306657	4.58E-07	-0.8043	0	0.000
ENSP00000333684	6.70E-07	-0.8046	0	0.000
ENSP00000333196	3.88E-07	-0.8050	0	0.000
ENSP00000318878	7.41E-07	-0.8057	0	0.000
ENSP00000344101	8.55E-07	-0.8060	0	0.000
ENSP00000302199	4.84E-07	-0.8062	0	0.000
ENSP00000248073	4.71E-07	-0.8078	0	0.000
ENSP00000335596	3.76E-07	-0.8084	0	0.000
ENSP00000343521	5.51E-07	-0.8100	0	0.000
ENSP00000322724	3.42E-07	-0.8102	0	0.000
ENSP00000323354	3.47E-07	-0.8112	0	0.000
ENSP00000323982	3.61E-07	-0.8122	0	0.000
ENSP00000317357	8.60E-07	-0.8138	0	0.000
ENSP00000386138	7.99E-07	-0.8152	0	0.000
ENSP00000322784	4.65E-07	-0.8159	0	0.000
ENSP00000334418	4.09E-07	-0.8176	0	0.000
ENSP00000310704	3.72E-07	-0.8186	0	0.000
ENSP00000368989	2.79E-07	-0.8194	0	0.000
ENSP00000308270	5.85E-07	-0.8202	0	0.000
ENSP00000352604	4.30E-07	-0.8212	0	0.000
ENSP00000332185	4.57E-07	-0.8213	0	0.000
ENSP00000315047	4.36E-07	-0.8214	0	0.000
ENSP00000319601	7.41E-07	-0.8222	0	0.000
ENSP00000321729	6.05E-07	-0.8226	0	0.000

ENSP00000354800	4.43E-07	-0.8237	0	0.000
ENSP00000340748	6.65E-07	-0.8242	0	0.000
ENSP00000332473	3.08E-07	-0.8247	0	0.000
ENSP00000323952	4.80E-07	-0.8248	0	0.000
ENSP00000346611	5.13E-07	-0.8251	0	0.000
ENSP00000401706	2.64E-07	-0.8253	0	0.000
ENSP00000345163	3.58E-07	-0.8254	0	0.000
ENSP00000368986	2.73E-07	-0.8255	0	0.000
ENSP00000353343	2.91E-07	-0.8256	0	0.000
ENSP00000420502	2.91E-07	-0.8260	0	0.000
ENSP00000369738	2.77E-07	-0.8260	0	0.000
ENSP00000259362	3.40E-07	-0.8261	0	0.000
ENSP00000355436	4.34E-07	-0.8263	0	0.000
ENSP00000343062	2.92E-07	-0.8264	0	0.000
ENSP00000334934	3.02E-07	-0.8265	0	0.000
ENSP00000436424	3.67E-07	-0.8266	0	0.000
ENSP00000350222	2.92E-07	-0.8266	0	0.000
ENSP00000302057	6.43E-07	-0.8266	0	0.000
ENSP00000377799	2.72E-07	-0.8267	0	0.000
ENSP00000307734	3.18E-07	-0.8267	0	0.000
ENSP00000302606	3.21E-07	-0.8269	0	0.000
ENSP00000322546	3.56E-07	-0.8270	0	0.000
ENSP00000373195	2.65E-07	-0.8271	0	0.000
ENSP00000334721	5.62E-07	-0.8273	0	0.000
ENSP00000362792	2.81E-07	-0.8274	0	0.000
ENSP00000369559	2.73E-07	-0.8274	0	0.000
ENSP00000404102	3.56E-07	-0.8275	0	0.000
ENSP00000334068	3.28E-07	-0.8275	0	0.000
ENSP00000323423	3.16E-07	-0.8276	0	0.000
ENSP00000335535	3.02E-07	-0.8280	0	0.000
ENSP00000335025	3.02E-07	-0.8280	0	0.000
ENSP00000321338	4.03E-07	-0.8280	0	0.000
ENSP00000342836	2.92E-07	-0.8281	0	0.000
ENSP00000333184	3.55E-07	-0.8281	0	0.000
ENSP00000318834	3.16E-07	-0.8281	0	0.000
ENSP00000322939	3.16E-07	-0.8281	0	0.000
ENSP00000352305	2.92E-07	-0.8281	0	0.000
ENSP00000367650	5.41E-07	-0.8283	0	0.000
ENSP00000347428	2.92E-07	-0.8283	0	0.000
ENSP00000373194	2.94E-07	-0.8283	0	0.000
ENSP00000285600	6.73E-07	-0.8284	0	0.000
ENSP00000432417	2.93E-07	-0.8284	0	0.000
ENSP00000348449	2.92E-07	-0.8284	0	0.000
ENSP00000348368	2.92E-07	-0.8284	0	0.000
ENSP00000346575	2.92E-07	-0.8285	0	0.000
ENSP00000283225	3.14E-07	-0.8287	0	0.000

ENSP00000448811	2.71E-07	-0.8288	0	0.000
ENSP00000438815	2.71E-07	-0.8288	0	0.000
ENSP00000389072	2.71E-07	-0.8289	0	0.000
ENSP00000362784	2.81E-07	-0.8289	0	0.000
ENSP00000357126	2.81E-07	-0.8289	0	0.000
ENSP00000303834	7.04E-07	-0.8290	0	0.000
ENSP00000386180	2.74E-07	-0.8290	0	0.000
ENSP00000386208	2.71E-07	-0.8291	0	0.000
ENSP00000386137	2.71E-07	-0.8291	0	0.000
ENSP00000335529	3.02E-07	-0.8292	0	0.000
ENSP00000326225	3.16E-07	-0.8292	0	0.000
ENSP00000322593	3.16E-07	-0.8295	0	0.000
ENSP00000308689	3.18E-07	-0.8295	0	0.000
ENSP00000331774	4.19E-07	-0.8297	0	0.000
ENSP00000306607	3.19E-07	-0.8298	0	0.000
ENSP00000319217	3.16E-07	-0.8298	0	0.000
ENSP00000342008	2.92E-07	-0.8299	0	0.000
ENSP00000303864	3.19E-07	-0.8300	0	0.000
ENSP00000326718	3.33E-07	-0.8300	0	0.000
ENSP00000355443	6.16E-07	-0.8300	0	0.000
ENSP00000320560	3.76E-07	-0.8302	0	0.000
ENSP00000364152	2.82E-07	-0.8303	0	0.000
ENSP00000328878	3.14E-07	-0.8304	0	0.000
ENSP00000306974	3.19E-07	-0.8304	0	0.000
ENSP00000302422	3.21E-07	-0.8304	0	0.000
ENSP00000324369	3.24E-07	-0.8306	0	0.000
ENSP00000327525	3.15E-07	-0.8306	0	0.000
ENSP00000325078	3.75E-07	-0.8307	0	0.000
ENSP00000330904	3.14E-07	-0.8310	0	0.000
ENSP00000349930	2.98E-07	-0.8311	0	0.000
ENSP00000323928	3.16E-07	-0.8311	0	0.000
ENSP00000311688	3.90E-07	-0.8311	0	0.000
ENSP00000322823	3.16E-07	-0.8312	0	0.000
ENSP00000329467	6.25E-07	-0.8313	0	0.000
ENSP00000308714	3.18E-07	-0.8313	0	0.000
ENSP00000363911	5.02E-07	-0.8313	0	0.000
ENSP00000209540	3.45E-07	-0.8313	0	0.000
ENSP00000321447	3.16E-07	-0.8314	0	0.000
ENSP00000444134	4.11E-07	-0.8314	0	0.000
ENSP00000307751	3.59E-07	-0.8315	0	0.000
ENSP00000323606	3.21E-07	-0.8317	0	0.000
ENSP00000313110	5.47E-07	-0.8317	0	0.000
ENSP00000311038	3.18E-07	-0.8319	0	0.000
ENSP00000311477	3.18E-07	-0.8319	0	0.000
ENSP00000312208	3.18E-07	-0.8319	0	0.000
ENSP00000321246	4.06E-07	-0.8319	0	0.000



ENSP00000324111	6.07E-07	-0.8320	0	0.000
ENSP00000324583	6.26E-07	-0.8321	0	0.000
ENSP00000318956	3.16E-07	-0.8325	0	0.000
ENSP00000259466	3.40E-07	-0.8326	0	0.000
ENSP00000322801	1.23E-06	-0.8328	0	0.000
ENSP00000334452	5.36E-07	-0.8332	0	0.000
ENSP00000279791	3.32E-07	-0.8332	0	0.000
ENSP00000297913	3.92E-07	-0.8333	0	0.000
ENSP00000320077	3.20E-07	-0.8333	0	0.000
ENSP00000348033	2.97E-07	-0.8333	0	0.000
ENSP00000324534	8.73E-07	-0.8334	0	0.000
ENSP00000437629	3.51E-07	-0.8335	0	0.000
ENSP00000305469	4.47E-07	-0.8335	0	0.000
ENSP00000303469	3.58E-07	-0.8337	0	0.000
ENSP00000307130	8.84E-07	-0.8338	0	0.000
ENSP00000331572	4.04E-07	-0.8339	0	0.000
ENSP00000305011	4.95E-07	-0.8339	0	0.000
ENSP00000321426	4.37E-07	-0.8347	0	0.000
ENSP00000329210	4.43E-07	-0.8348	0	0.000
ENSP00000303862	3.36E-07	-0.8349	0	0.000
ENSP00000329153	4.22E-07	-0.8351	0	0.000
ENSP00000351211	2.93E-07	-0.8351	0	0.000
ENSP00000305970	3.23E-07	-0.8352	0	0.000
ENSP00000319071	3.19E-07	-0.8353	0	0.000
ENSP00000325128	4.93E-07	-0.8353	0	0.000
ENSP00000248058	4.47E-07	-0.8355	0	0.000
ENSP00000325065	3.33E-07	-0.8357	0	0.000
ENSP00000300773	5.71E-07	-0.8359	0	0.000
ENSP00000307159	3.22E-07	-0.8359	0	0.000
ENSP00000299454	3.48E-07	-0.8359	0	0.000
ENSP00000320302	3.38E-07	-0.8359	0	0.000
ENSP00000319546	5.11E-07	-0.8361	0	0.000
ENSP00000277216	5.03E-07	-0.8368	0	0.000
ENSP00000318997	3.19E-07	-0.8369	0	0.000
ENSP00000322866	4.81E-07	-0.8369	0	0.000
ENSP00000311605	4.22E-07	-0.8372	0	0.000
ENSP00000368987	4.89E-07	-0.8374	0	0.000
ENSP00000321506	3.47E-07	-0.8375	0	0.000
ENSP00000322754	4.43E-07	-0.8380	0	0.000
ENSP00000307598	3.81E-07	-0.8381	0	0.000
ENSP00000303076	5.88E-07	-0.8383	0	0.000
ENSP00000304077	3.58E-07	-0.8390	0	0.000
ENSP00000324831	8.28E-07	-0.8393	0	0.000
ENSP00000332110	4.01E-07	-0.8393	0	0.000
ENSP00000369157	3.37E-07	-0.8396	0	0.000
ENSP00000321196	5.07E-07	-0.8398	0	0.000

ENSP00000304807	8.49E-07	-0.8399	0	0.000
ENSP00000299459	3.50E-07	-0.8407	0	0.000
ENSP00000325076	4.30E-07	-0.8416	0	0.000
ENSP00000369731	3.67E-07	-0.8418	0	0.000
ENSP00000322156	3.51E-07	-0.8419	0	0.000
ENSP00000353988	9.82E-07	-0.8421	0	0.000
ENSP00000327540	4.77E-07	-0.8430	0	0.000
ENSP00000301529	3.98E-07	-0.8430	0	0.000
ENSP00000369568	3.89E-07	-0.8432	0	0.000
ENSP00000353516	7.01E-07	-0.8440	0	0.000
ENSP00000324687	3.93E-07	-0.8440	0	0.000
ENSP00000386222	1.40E-06	-0.8442	0	0.000
ENSP00000323224	6.39E-07	-0.8443	0	0.000
ENSP00000308082	5.31E-07	-0.8446	0	0.000
ENSP00000352626	5.36E-07	-0.8448	0	0.000
ENSP00000330280	3.65E-07	-0.8452	0	0.000
ENSP00000319197	3.16E-07	-0.8461	0	0.000
ENSP00000357127	5.46E-07	-0.8467	0	0.000
ENSP00000332500	7.09E-07	-0.8474	0	0.000
ENSP00000319322	8.39E-07	-0.8477	0	0.000
ENSP00000291231	5.57E-07	-0.8480	0	0.000
ENSP00000289451	4.81E-07	-0.8490	0	0.000
ENSP00000312470	3.35E-07	-0.8498	0	0.000
ENSP00000305055	4.53E-07	-0.8499	0	0.000
ENSP00000345563	4.65E-07	-0.8500	0	0.000
ENSP00000306651	7.27E-07	-0.8502	0	0.000
ENSP00000349945	3.51E-07	-0.8506	0	0.000
ENSP00000278409	4.01E-07	-0.8506	0	0.000
ENSP00000308595	4.13E-07	-0.8517	0	0.000
ENSP00000319654	5.77E-07	-0.8522	0	0.000
ENSP00000248384	5.08E-07	-0.8540	0	0.000
ENSP00000306688	4.24E-07	-0.8550	0	0.000
ENSP00000303822	5.34E-07	-0.8566	0	0.000
ENSP00000324251	6.57E-07	-0.8573	0	0.000
ENSP00000312403	7.93E-07	-0.8599	0	0.000
ENSP00000310788	4.83E-07	-0.8609	0	0.000
ENSP00000329689	4.87E-07	-0.8685	0	0.000
ENSP00000310488	7.10E-07	-0.8745	0	0.000
ENSP00000252835	5.53E-07	-0.8761	0	0.000