

Supplementary table S6. Information of the differentially expressed genes in brains of the wild and domestic silkworm at the final day of final larvae stage (L_end).

GeneID	FPKM_wild	FPKM_dome	$\log_2^{(FPKM_dome/FPKM_wild)}$	Corrected <i>P</i> -value
Up regulated in domestic silkworm				
BGIBMGA008687	0.702	112.465	7.323	0.0029
BGIBMGA013778	155.360	24456.400	7.298	0.0003
BGIBMGA004546	0.079	5.853	6.216	0.0005
BGIBMGA001480	0.479	27.659	5.850	0.0090
BGIBMGA010680	0.817	45.943	5.813	0.0308
BGIBMGA013098	3.811	212.485	5.801	0.0003
BGIBMGA010400	0.588	31.512	5.743	0.0154
BGIBMGA014178	0.842	39.518	5.553	0.0003
BGIBMGA004606	2.913	132.480	5.507	0.0003
BGIBMGA011119	0.128	5.694	5.470	0.0015
BGIBMGA013238	1.307	55.489	5.408	0.0003
BGIBMGA012675	6.713	282.712	5.396	0.0003
BGIBMGA013879	4.123	158.406	5.264	0.0334
BGIBMGA008439	0.186	6.435	5.114	0.0007
BGIBMGA004793	25.813	884.032	5.098	0.0068
BGIBMGA010030	30.627	1020.720	5.059	0.0003
BGIBMGA014288	56.720	1734.230	4.934	0.0007
BGIBMGA012758	15.412	466.768	4.921	0.0003
BGIBMGA012651	5.303	156.050	4.879	0.0003
BGIBMGA005012	0.381	11.163	4.873	0.0003
BGIBMGA000558	0.179	5.114	4.833	0.0120
BGIBMGA007902	0.319	8.816	4.788	0.0245
BGIBMGA006540	0.142	3.806	4.742	0.0281
BGIBMGA005471	0.631	16.856	4.740	0.0009
BGIBMGA000346	14.656	389.933	4.734	0.0007
BGIBMGA001730	0.105	2.792	4.727	0.0251
BGIBMGA013991	6.455	159.735	4.629	0.0003
BGIBMGA011769	683.974	16820.900	4.620	0.0003
BGIBMGA008077	0.627	15.235	4.603	0.0007
BGIBMGA001162	950.416	21273.500	4.484	0.0003
BGIBMGA005664	2.888	59.389	4.362	0.0003
BGIBMGA010919	116.898	2384.450	4.350	0.0003
BGIBMGA014050	2.691	54.814	4.348	0.0003
BGIBMGA004319	1.432	28.646	4.322	0.0011
BGIBMGA000013	0.420	8.317	4.306	0.0377
BGIBMGA008677	0.496	9.755	4.297	0.0150
BGIBMGA008598	0.276	5.408	4.294	0.0144
BGIBMGA013628	1.698	32.466	4.257	0.0022
BGIBMGA010289	0.274	5.205	4.250	0.0009
BGIBMGA007767	1.323	25.134	4.248	0.0013
BGIBMGA010029	0.178	3.318	4.219	0.0015
BGIBMGA005262	0.966	17.715	4.197	0.0003
BGIBMGA002385	0.376	6.894	4.195	0.0085
BGIBMGA013361	1.782	32.378	4.184	0.0003
BGIBMGA001862	172.636	2861.110	4.051	0.0003
BGIBMGA014622	0.199	3.250	4.031	0.0434
BGIBMGA011047	0.453	7.296	4.010	0.0042
BGIBMGA001672	0.531	8.507	4.003	0.0282
BGIBMGA007538	0.541	8.680	4.003	0.0393
BGIBMGA009162	0.996	15.580	3.968	0.0111
BGIBMGA001651	4.665	72.943	3.967	0.0003
BGIBMGA004341	7.196	110.527	3.941	0.0003
BGIBMGA005259	0.966	14.783	3.935	0.0003
BGIBMGA004035	93.459	1404.250	3.909	0.0003
BGIBMGA000291	0.565	8.414	3.896	0.0213
BGIBMGA001582	33.495	497.011	3.891	0.0003
BGIBMGA008038	24.419	360.445	3.884	0.0003
BGIBMGA010988	1.091	16.032	3.877	0.0003
BGIBMGA011086	10.199	148.998	3.869	0.0003
BGIBMGA014495	35.346	515.429	3.866	0.0140
BGIBMGA011000	0.984	14.335	3.864	0.0003
BGIBMGA002447	1.483	21.535	3.860	0.0232
BGIBMGA010913	34.201	492.784	3.849	0.0003
BGIBMGA013877	0.234	3.368	3.848	0.0003
BGIBMGA008887	81.935	1176.290	3.844	0.0003
BGIBMGA004011	1.340	19.050	3.829	0.0013
BGIBMGA013657	2.571	36.318	3.820	0.0011
BGIBMGA003622	0.146	2.058	3.819	0.0003
BGIBMGA012942	2.444	34.401	3.815	0.0035
BGIBMGA004176	0.451	6.271	3.796	0.0003
BGIBMGA013439	3.047	41.935	3.783	0.0003
BGIBMGA003326	2.831	38.397	3.762	0.0173
BGIBMGA003508	16.951	229.203	3.757	0.0003
BGIBMGA001034	6.457	85.639	3.729	0.0003
BGIBMGA013237	2.116	27.966	3.724	0.0003
BGIBMGA013078	3.633	47.070	3.696	0.0003
BGIBMGA014465	4.221	53.102	3.653	0.0013
BGIBMGA012033	0.861	10.571	3.617	0.0177
BGIBMGA002600	1.654	20.241	3.613	0.0005
BGIBMGA003693	0.359	4.387	3.612	0.0068
BGIBMGA014032	3.010	36.525	3.601	0.0003
BGIBMGA001161	1.595	19.354	3.601	0.0344
BGIBMGA007040	14.064	167.895	3.578	0.0003
BGIBMGA011002	0.295	3.466	3.556	0.0278
BGIBMGA002252	0.620	7.289	3.556	0.0214
BGIBMGA002939	3.787	44.332	3.549	0.0003
BGIBMGA009271	1.621	18.861	3.540	0.0273
BGIBMGA001613	1.241	14.120	3.508	0.0005
BGIBMGA008676	23.275	264.299	3.505	0.0003
BGIBMGA007733	0.972	10.957	3.495	0.0087

BGIBMGA014375	0.188	2.122	3.494	0.0177
BGIBMGA013737	0.874	9.709	3.474	0.0022
BGIBMGA002567	154.110	1702.030	3.465	0.0003
BGIBMGA010313	3.447	38.025	3.463	0.0009
BGIBMGA006255	4.246	46.652	3.458	0.0011
BGIBMGA002034	0.148	1.616	3.444	0.0273
BGIBMGA001907	0.912	9.911	3.442	0.0033
BGIBMGA005015	1.407	15.186	3.432	0.0003
BGIBMGA008354	192.813	2069.550	3.424	0.0003
BGIBMGA013236	2.958	31.395	3.408	0.0003
BGIBMGA013805	2.458	26.033	3.405	0.0371
BGIBMGA006185	18.511	195.605	3.402	0.0003
BGIBMGA007709	36.743	387.779	3.400	0.0219
BGIBMGA013005	7.108	74.852	3.396	0.0003
BGIBMGA013161	0.615	6.399	3.380	0.0255
BGIBMGA008021	5.576	57.993	3.379	0.0003
BGIBMGA005458	0.499	5.021	3.331	0.0180
BGIBMGA000840	2.793	27.422	3.296	0.0003
BGIBMGA001504	0.598	5.852	3.292	0.0340
BGIBMGA011723	4.008	39.075	3.285	0.0126
BGIBMGA004206	2.446	23.834	3.284	0.0003
BGIBMGA008987	1.710	16.660	3.284	0.0038
BGIBMGA010639	0.951	9.231	3.280	0.0083
BGIBMGA000428	0.521	5.031	3.273	0.0346
BGIBMGA005144	14.156	134.876	3.252	0.0003
BGIBMGA004363	0.773	7.307	3.241	0.0353
BGIBMGA012426	66.133	624.808	3.240	0.0003
BGIBMGA005302	54.065	508.212	3.233	0.0003
BGIBMGA012289	3.789	35.244	3.217	0.0003
BGIBMGA011209	18.181	167.913	3.207	0.0003
BGIBMGA013163	21.067	191.457	3.184	0.0003
BGIBMGA003330	2.117	19.177	3.179	0.0005
BGIBMGA003816	0.287	2.592	3.173	0.0221
BGIBMGA004066	997.742	8854.990	3.150	0.0003
BGIBMGA012351	9.088	80.646	3.150	0.0003
BGIBMGA013273	0.521	4.593	3.141	0.0170
BGIBMGA013242	1.277	11.155	3.127	0.0005
BGIBMGA005510	20.239	175.263	3.114	0.0311
BGIBMGA014430	1.487	12.798	3.106	0.0003
BGIBMGA011213	1.222	10.505	3.104	0.0005
BGIBMGA011595	1.218	10.468	3.103	0.0430
BGIBMGA002704	2.588	22.221	3.102	0.0022
BGIBMGA003368	2.126	18.224	3.100	0.0003
BGIBMGA005814	2.859	24.287	3.087	0.0058
BGIBMGA003658	12.755	108.273	3.085	0.0003
BGIBMGA013756	0.531	4.492	3.081	0.0151
BGIBMGA005228	1.878	15.877	3.079	0.0044
BGIBMGA004205	0.298	2.517	3.078	0.0224
BGIBMGA008110	0.437	3.630	3.054	0.0090
BGIBMGA003481	25.660	210.510	3.036	0.0003
BGIBMGA013899	0.949	7.748	3.030	0.0007
BGIBMGA003253	57.737	470.194	3.026	0.0003
BGIBMGA002033	0.212	1.718	3.020	0.0368
BGIBMGA010726	4.203	33.744	3.005	0.0003
BGIBMGA010161	0.680	5.435	2.998	0.0013
BGIBMGA003570	1.517	12.104	2.997	0.0134
BGIBMGA010328	0.860	6.848	2.994	0.0050
BGIBMGA001491	1.428	11.337	2.989	0.0142
BGIBMGA011764	583.329	4597.310	2.978	0.0003
BGIBMGA007424	4.063	31.970	2.976	0.0003
BGIBMGA004613	9.800	77.000	2.974	0.0003
BGIBMGA012386	3.289	25.827	2.973	0.0003
BGIBMGA007282	3.196	25.004	2.968	0.0003
BGIBMGA008861	57.578	448.242	2.961	0.0003
BGIBMGA009944	5.512	42.709	2.954	0.0003
BGIBMGA000353	1.815	14.029	2.950	0.0003
BGIBMGA004229	0.912	6.985	2.938	0.0022
BGIBMGA009643	0.918	7.028	2.936	0.0092
BGIBMGA009542	6.920	52.119	2.913	0.0003
BGIBMGA009743	0.683	5.142	2.912	0.0003
BGIBMGA003781	0.566	4.258	2.911	0.0303
BGIBMGA011708	39.628	296.932	2.906	0.0003
BGIBMGA000681	0.922	6.861	2.896	0.0007
BGIBMGA010122	1.626	12.073	2.892	0.0003
BGIBMGA000371	4.683	34.676	2.888	0.0003
BGIBMGA010112	2.273	16.783	2.884	0.0003
BGIBMGA011148	4.050	29.902	2.884	0.0003
BGIBMGA011834	78.068	575.250	2.881	0.0003
BGIBMGA013781	712.056	5245.250	2.881	0.0003
BGIBMGA011129	1.878	13.721	2.869	0.0003
BGIBMGA003613	19.246	139.903	2.862	0.0066
BGIBMGA010890	11.660	84.743	2.862	0.0254
BGIBMGA000341	75.385	546.530	2.858	0.0013
BGIBMGA010216	5.130	37.161	2.857	0.0003
BGIBMGA001684	8.692	62.634	2.849	0.0003
BGIBMGA007901	0.811	5.765	2.830	0.0383
BGIBMGA004999	4.159	29.557	2.829	0.0072
BGIBMGA013274	4.635	32.895	2.827	0.0003
BGIBMGA007254	6.075	42.590	2.810	0.0003
BGIBMGA004441	1.779	12.470	2.809	0.0055
BGIBMGA005172	1.865	12.941	2.795	0.0020
BGIBMGA012453	1.887	13.032	2.788	0.0025
BGIBMGA010213	15.856	108.983	2.781	0.0003

BGIBMGA005207	0.907	6.228	2.779	0.0025
BGIBMGA002566	28.979	197.500	2.769	0.0003
BGIBMGA002690	38.481	261.890	2.767	0.0003
BGIBMGA010235	8.557	57.461	2.747	0.0003
BGIBMGA014477	1.099	7.377	2.746	0.0009
BGIBMGA004103	212.261	1423.600	2.746	0.0003
BGIBMGA001976	6.326	42.106	2.735	0.0003
BGIBMGA006693	2.468	16.373	2.730	0.0003
BGIBMGA000430	0.857	5.685	2.730	0.0164
BGIBMGA004000	9.354	61.177	2.709	0.0003
BGIBMGA009338	5.059	32.808	2.697	0.0030
BGIBMGA007855	2.375	15.331	2.691	0.0038
BGIBMGA014481	59.395	380.239	2.678	0.0003
BGIBMGA007324	1.419	9.080	2.677	0.0015
BGIBMGA002626	1500.430	9593.620	2.677	0.0003
BGIBMGA004515	110.395	701.149	2.667	0.0003
BGIBMGA005648	378.962	2390.650	2.657	0.0003
BGIBMGA012763	3.743	23.529	2.652	0.0003
BGIBMGA003944	20.783	130.557	2.651	0.0003
BGIBMGA003736	14.272	89.584	2.650	0.0007
BGIBMGA006278	3.746	23.337	2.639	0.0007
BGIBMGA013993	3.391	21.097	2.637	0.0220
BGIBMGA004400	0.829	5.151	2.635	0.0209
BGIBMGA001201	52.890	327.193	2.629	0.0003
BGIBMGA007674	10.284	63.593	2.629	0.0353
BGIBMGA004867	10.528	64.930	2.625	0.0090
BGIBMGA006366	5.654	34.734	2.619	0.0159
BGIBMGA003709	4.741	29.085	2.617	0.0003
BGIBMGA005173	1.475	9.016	2.612	0.0013
BGIBMGA010544	7.101	43.155	2.603	0.0003
BGIBMGA014072	0.466	2.821	2.597	0.0003
BGIBMGA008912	0.985	5.932	2.591	0.0052
BGIBMGA003321	13.625	81.860	2.587	0.0003
BGIBMGA006423	10.093	60.615	2.586	0.0003
BGIBMGA005788	61.460	368.790	2.585	0.0020
BGIBMGA012645	1.500	8.943	2.576	0.0434
BGIBMGA007732	103.148	612.368	2.570	0.0003
BGIBMGA006514	92.434	547.357	2.566	0.0003
BGIBMGA000774	1.770	10.474	2.565	0.0017
BGIBMGA001585	28.425	168.049	2.564	0.0003
BGIBMGA006692	6.250	36.923	2.563	0.0003
BGIBMGA010760	11.769	68.868	2.549	0.0045
BGIBMGA005208	3.065	17.931	2.549	0.0029
BGIBMGA002324	2.571	14.943	2.539	0.0005
BGIBMGA001231	0.941	5.442	2.532	0.0029
BGIBMGA002629	97.190	560.923	2.529	0.0003
BGIBMGA006319	8.249	47.602	2.529	0.0003
BGIBMGA008011	504.568	2895.550	2.521	0.0003
BGIBMGA002627	2.368	13.545	2.516	0.0243
BGIBMGA013746	72.377	413.724	2.515	0.0003
BGIBMGA013572	9.979	56.833	2.510	0.0003
BGIBMGA012968	2.608	14.800	2.505	0.0003
BGIBMGA005413	9610.510	54539.400	2.505	0.0009
BGIBMGA013738	0.373	2.107	2.499	0.0189
BGIBMGA009606	1.795	10.100	2.492	0.0178
BGIBMGA008006	4.641	26.042	2.488	0.0003
BGIBMGA002430	13.471	75.475	2.486	0.0003
BGIBMGA001202	34.303	191.354	2.480	0.0180
BGIBMGA001367	36.550	203.537	2.477	0.0003
BGIBMGA007184	0.960	5.341	2.475	0.0127
BGIBMGA008663	183.325	1017.930	2.473	0.0003
BGIBMGA014278	46.219	256.060	2.470	0.0003
BGIBMGA009444	0.817	4.526	2.469	0.0365
BGIBMGA004031	3.123	17.279	2.468	0.0005
BGIBMGA011713	1309.150	7228.140	2.465	0.0003
BGIBMGA011234	5.360	29.469	2.459	0.0005
BGIBMGA009145	0.913	4.996	2.452	0.0401
BGIBMGA007638	2.128	11.646	2.452	0.0303
BGIBMGA006529	8.389	45.829	2.450	0.0003
BGIBMGA002231	1.290	7.049	2.450	0.0013
BGIBMGA014298	5.048	27.572	2.449	0.0092
BGIBMGA010093	1.902	10.375	2.448	0.0110
BGIBMGA005742	1.017	5.542	2.446	0.0184
BGIBMGA011361	0.842	4.578	2.442	0.0107
BGIBMGA000667	5.064	27.500	2.441	0.0106
BGIBMGA007240	1.377	7.480	2.441	0.0017
BGIBMGA011226	9.581	51.827	2.435	0.0003
BGIBMGA012585	3.937	21.241	2.432	0.0003
BGIBMGA014001	19.861	105.968	2.416	0.0003
BGIBMGA013114	22.886	122.031	2.415	0.0003
BGIBMGA001904	3.532	18.823	2.414	0.0035
BGIBMGA008672	1169.060	6212.210	2.410	0.0003
BGIBMGA014207	45.915	243.267	2.406	0.0003
BGIBMGA008668	2.586	13.694	2.405	0.0005
BGIBMGA012972	6.522	34.505	2.403	0.0003
BGIBMGA005977	9.883	51.847	2.391	0.0003
BGIBMGA008603	2.844	14.912	2.391	0.0262
BGIBMGA000389	5.032	26.326	2.387	0.0019
BGIBMGA010409	56.462	292.814	2.375	0.0003
BGIBMGA006893	55.717	286.521	2.362	0.0003
BGIBMGA009095	67.375	344.984	2.356	0.0039
BGIBMGA012305	42.874	219.505	2.356	0.0036
BGIBMGA005781	43.876	224.603	2.356	0.0003

BGIBMGA007994	22.891	116.919	2.353	0.0003
BGIBMGA008307	16.040	81.562	2.346	0.0003
BGIBMGA013455	3.729	18.898	2.341	0.0091
BGIBMGA008939	0.465	2.347	2.334	0.0180
BGIBMGA006717	0.683	3.439	2.331	0.0161
BGIBMGA002259	248.742	1248.940	2.328	0.0003
BGIBMGA007256	1.930	9.689	2.328	0.0047
BGIBMGA014586	0.999	5.008	2.326	0.0200
BGIBMGA006937	3.393	17.005	2.325	0.0288
BGIBMGA008390	3.259	16.310	2.323	0.0104
BGIBMGA001595	4.245	21.089	2.313	0.0003
BGIBMGA000640	5.131	25.461	2.311	0.0003
BGIBMGA011954	2.571	12.725	2.307	0.0195
BGIBMGA000328	281.882	1389.000	2.301	0.0003
BGIBMGA003274	2.142	10.476	2.290	0.0022
BGIBMGA006944	349.811	1701.200	2.282	0.0007
BGIBMGA014005	1.253	6.093	2.282	0.0044
BGIBMGA009136	1.123	5.441	2.276	0.0127
BGIBMGA009184	4.469	21.637	2.275	0.0003
BGIBMGA014536	1.479	7.146	2.273	0.0022
BGIBMGA001773	8.556	40.967	2.259	0.0003
BGIBMGA002015	103.749	496.440	2.259	0.0003
BGIBMGA014091	13.782	65.844	2.256	0.0003
BGIBMGA012090	1.595	7.586	2.250	0.0331
BGIBMGA001301	4.335	20.605	2.249	0.0003
BGIBMGA012527	1.492	7.077	2.246	0.0077
BGIBMGA007281	2.415	11.404	2.239	0.0022
BGIBMGA006510	56.015	264.063	2.237	0.0003
BGIBMGA009820	5.342	25.149	2.235	0.0030
BGIBMGA009056	55.293	260.194	2.234	0.0003
BGIBMGA009797	1.516	7.124	2.233	0.0125
BGIBMGA001296	0.870	4.089	2.233	0.0151
BGIBMGA011852	15.254	71.441	2.228	0.0003
BGIBMGA010889	4.313	20.092	2.220	0.0005
BGIBMGA014407	26.276	122.264	2.218	0.0003
BGIBMGA000398	38.992	180.717	2.212	0.0003
BGIBMGA009551	61.850	285.985	2.209	0.0003
BGIBMGA006662	4.308	19.746	2.196	0.0195
BGIBMGA001755	54.545	249.101	2.191	0.0003
BGIBMGA008438	3.869	17.439	2.172	0.0041
BGIBMGA014551	106.659	479.303	2.168	0.0003
BGIBMGA011077	25.985	116.715	2.167	0.0003
BGIBMGA002199	16.788	75.249	2.164	0.0003
BGIBMGA005345	2.022	9.050	2.162	0.0055
BGIBMGA000311	37.305	166.426	2.157	0.0003
BGIBMGA008164	9.109	40.623	2.157	0.0003
BGIBMGA005565	28.289	125.768	2.152	0.0057
BGIBMGA013776	5.331	23.616	2.147	0.0003
BGIBMGA002396	4.233	18.675	2.141	0.0039
BGIBMGA005346	17.676	77.916	2.140	0.0003
BGIBMGA013782	52.543	231.247	2.138	0.0003
BGIBMGA001030	259.378	1138.120	2.134	0.0003
BGIBMGA002906	927.329	4059.870	2.130	0.0003
BGIBMGA011145	42.674	185.491	2.120	0.0003
BGIBMGA001919	3.045	13.206	2.117	0.0030
BGIBMGA010826	1.330	5.744	2.110	0.0030
BGIBMGA014494	394.213	1697.600	2.106	0.0003
BGIBMGA000324	594.760	2558.250	2.105	0.0003
BGIBMGA004045	840.258	3600.150	2.099	0.0003
BGIBMGA007537	1.687	7.228	2.099	0.0064
BGIBMGA006380	8.941	38.263	2.097	0.0395
BGIBMGA012371	2.777	11.857	2.094	0.0019
BGIBMGA000133	5.616	23.956	2.093	0.0015
BGIBMGA004894	12.027	51.232	2.091	0.0003
BGIBMGA000804	3916.250	16682.000	2.091	0.0003
BGIBMGA009800	32.526	138.506	2.090	0.0003
BGIBMGA012764	4.156	17.692	2.090	0.0003
BGIBMGA010069	40.242	171.235	2.089	0.0003
BGIBMGA010153	2.827	12.015	2.088	0.0051
BGIBMGA001511	22.289	94.437	2.083	0.0003
BGIBMGA006083	3.653	15.462	2.082	0.0073
BGIBMGA002329	2.086	8.821	2.080	0.0044
BGIBMGA008023	1.123	4.750	2.080	0.0009
BGIBMGA002035	1.443	6.093	2.078	0.0003
BGIBMGA013656	28.708	121.143	2.077	0.0003
BGIBMGA004001	51.004	214.970	2.075	0.0003
BGIBMGA004693	3.982	16.778	2.075	0.0013
BGIBMGA004893	22.175	93.156	2.071	0.0003
BGIBMGA012487	4.752	19.916	2.067	0.0017
BGIBMGA005447	9.708	40.668	2.067	0.0003
BGIBMGA005524	0.685	2.871	2.067	0.0097
BGIBMGA010401	11.658	48.775	2.065	0.0003
BGIBMGA011505	849.064	3552.210	2.065	0.0064
BGIBMGA002689	1307.940	5450.710	2.059	0.0003
BGIBMGA002170	0.296	1.231	2.055	0.0212
BGIBMGA013700	130.217	539.155	2.050	0.0003
BGIBMGA000845	12.041	49.573	2.042	0.0007
BGIBMGA014360	21.322	87.463	2.036	0.0003
BGIBMGA011718	1452.190	5940.830	2.032	0.0007
BGIBMGA013026	3.706	15.122	2.029	0.0019
BGIBMGA009238	0.853	3.477	2.027	0.0141
BGIBMGA009030	1.129	4.597	2.025	0.0253
BGIBMGA000908	0.969	3.931	2.021	0.0289

BGIBMGA011207	1.086	4.402	2.019	0.0250
BGIBMGA006296	4.164	16.808	2.013	0.0042
BGIBMGA004053	133.308	537.256	2.011	0.0150
BGIBMGA001500	84.162	338.388	2.007	0.0003
BGIBMGA000392	3.946	15.816	2.003	0.0051
BGIBMGA009731	251.294	1007.120	2.003	0.0003
BGIBMGA008990	2.900	11.621	2.002	0.0052
BGIBMGA007042	0.909	3.635	2.000	0.0005
BGIBMGA011196	212.976	850.476	1.998	0.0011
BGIBMGA011128	24.217	96.644	1.997	0.0005
BGIBMGA013774	24.015	95.728	1.995	0.0003
BGIBMGA006694	22.368	89.136	1.995	0.0003
BGIBMGA004830	0.407	1.620	1.994	0.0319
BGIBMGA001278	60.955	241.514	1.986	0.0003
BGIBMGA014411	35.520	139.874	1.977	0.0042
BGIBMGA010111	5.510	21.640	1.974	0.0003
BGIBMGA010546	7.471	29.141	1.964	0.0011
BGIBMGA010922	51.123	198.700	1.959	0.0003
BGIBMGA009707	22.770	88.365	1.956	0.0003
BGIBMGA004577	5.569	21.613	1.956	0.0003
BGIBMGA000402	4.447	17.233	1.954	0.0005
BGIBMGA014006	8.546	33.105	1.954	0.0217
BGIBMGA012268	183.755	710.477	1.951	0.0003
BGIBMGA007754	1.097	4.236	1.950	0.0088
BGIBMGA008415	6.984	26.889	1.945	0.0024
BGIBMGA011424	34.426	132.261	1.942	0.0003
BGIBMGA006456	15.418	59.233	1.942	0.0003
BGIBMGA009576	34.656	133.024	1.941	0.0003
BGIBMGA011608	5.004	19.175	1.938	0.0003
BGIBMGA004397	10.153	38.779	1.933	0.0062
BGIBMGA010214	42.933	163.584	1.930	0.0003
BGIBMGA000612	33.605	127.841	1.928	0.0003
BGIBMGA005149	11.716	44.566	1.927	0.0052
BGIBMGA008165	9.866	37.514	1.927	0.0003
BGIBMGA002382	2.892	10.934	1.918	0.0017
BGIBMGA000520	2.680	10.097	1.913	0.0285
BGIBMGA004147	0.698	2.616	1.907	0.0210
BGIBMGA006447	5.897	21.943	1.896	0.0068
BGIBMGA003809	4.703	17.474	1.894	0.0085
BGIBMGA001473	1.055	3.912	1.891	0.0024
BGIBMGA001705	13.627	50.440	1.888	0.0025
BGIBMGA002461	81.704	302.237	1.887	0.0003
BGIBMGA012199	1.253	4.628	1.885	0.0033
BGIBMGA003203	133.740	493.692	1.884	0.0003
BGIBMGA000418	27.245	100.217	1.879	0.0003
BGIBMGA004065	222.901	819.882	1.879	0.0003
BGIBMGA000737	18.200	66.926	1.879	0.0003
BGIBMGA011121	55.091	202.488	1.878	0.0003
BGIBMGA010047	2.275	8.347	1.875	0.0313
BGIBMGA003341	9.340	34.253	1.875	0.0003
BGIBMGA013652	2.279	8.355	1.874	0.0032
BGIBMGA003411	11.251	41.226	1.874	0.0003
BGIBMGA013806	6.731	24.485	1.863	0.0095
BGIBMGA007068	579.113	2106.120	1.863	0.0439
BGIBMGA000223	4.703	17.091	1.862	0.0003
BGIBMGA012523	6.369	23.063	1.856	0.0033
BGIBMGA008821	7.356	26.592	1.854	0.0005
BGIBMGA003415	66.265	239.430	1.853	0.0003
BGIBMGA009799	4.939	17.838	1.853	0.0005
BGIBMGA001587	76.732	277.097	1.853	0.0003
BGIBMGA003808	2.925	10.545	1.850	0.0057
BGIBMGA009146	1.391	5.014	1.850	0.0248
BGIBMGA000562	4.929	17.674	1.842	0.0182
BGIBMGA003414	61.654	220.410	1.838	0.0003
BGIBMGA003233	3.112	11.101	1.835	0.0033
BGIBMGA007449	17.544	62.568	1.834	0.0003
BGIBMGA011851	13.646	48.646	1.834	0.0003
BGIBMGA009977	3.293	11.688	1.828	0.0361
BGIBMGA004306	5.533	19.532	1.820	0.0003
BGIBMGA014436	4.746	16.690	1.814	0.0042
BGIBMGA009802	19.074	67.018	1.813	0.0003
BGIBMGA010948	1.195	4.197	1.812	0.0099
BGIBMGA007616	8.842	30.962	1.808	0.0003
BGIBMGA013115	23.067	80.510	1.803	0.0003
BGIBMGA001469	8.323	29.033	1.803	0.0318
BGIBMGA012841	51.445	178.843	1.798	0.0003
BGIBMGA011880	34.064	118.402	1.797	0.0003
BGIBMGA009179	6.370	22.138	1.797	0.0003
BGIBMGA014226	7.889	27.419	1.797	0.0003
BGIBMGA000738	32.854	114.141	1.797	0.0005
BGIBMGA005411	5.078	17.590	1.792	0.0341
BGIBMGA001325	105.041	363.674	1.792	0.0003
BGIBMGA007319	7.223	24.995	1.791	0.0013
BGIBMGA013945	322.238	1110.190	1.785	0.0003
BGIBMGA002534	1.064	3.655	1.780	0.0169
BGIBMGA011362	3.818	13.098	1.778	0.0003
BGIBMGA009758	6.578	22.545	1.777	0.0302
BGIBMGA000613	23.152	79.183	1.774	0.0003
BGIBMGA011574	10.359	35.313	1.769	0.0003
BGIBMGA007723	267.573	910.936	1.767	0.0003
BGIBMGA011149	3.774	12.782	1.760	0.0033
BGIBMGA004561	21.571	72.918	1.757	0.0003
BGIBMGA012091	2.753	9.263	1.751	0.0154

BGIBMGA001708	49.623	166.316	1.745	0.0003
BGIBMGA010943	12.399	41.479	1.742	0.0065
BGIBMGA006289	9.083	30.349	1.740	0.0091
BGIBMGA002702	4.506	15.041	1.739	0.0022
BGIBMGA003276	28.887	96.363	1.738	0.0110
BGIBMGA007123	22.166	73.930	1.738	0.0044
BGIBMGA007525	2.486	8.286	1.737	0.0220
BGIBMGA009863	5511.900	18367.400	1.737	0.0003
BGIBMGA010759	13.949	46.464	1.736	0.0003
BGIBMGA003719	40.129	132.854	1.727	0.0044
BGIBMGA010168	6.141	20.268	1.723	0.0036
BGIBMGA007103	58.590	193.370	1.723	0.0003
BGIBMGA010676	2.209	7.286	1.722	0.0447
BGIBMGA010337	1265.940	4172.010	1.721	0.0003
BGIBMGA009498	1.386	4.563	1.719	0.0019
BGIBMGA008036	5.373	17.676	1.718	0.0064
BGIBMGA005384	228.984	752.106	1.716	0.0042
BGIBMGA013075	80.501	263.650	1.712	0.0003
BGIBMGA002383	1.953	6.375	1.707	0.0154
BGIBMGA012360	0.445	1.448	1.702	0.0351
BGIBMGA009814	77.757	252.879	1.701	0.0003
BGIBMGA013937	11.236	36.536	1.701	0.0127
BGIBMGA013635	55.108	178.648	1.697	0.0003
BGIBMGA011645	94.838	307.359	1.696	0.0003
BGIBMGA012894	1.215	3.936	1.696	0.0261
BGIBMGA000333	57.925	187.700	1.696	0.0003
BGIBMGA006872	37.983	122.875	1.694	0.0003
BGIBMGA013916	29.266	94.358	1.689	0.0003
BGIBMGA004197	9.690	31.220	1.688	0.0003
BGIBMGA007025	2.428	7.820	1.688	0.0168
BGIBMGA004208	19.931	64.094	1.685	0.0020
BGIBMGA007907	0.732	2.354	1.684	0.0262
BGIBMGA005414	33.902	108.943	1.684	0.0003
BGIBMGA010017	30.090	96.401	1.680	0.0003
BGIBMGA001627	972.349	3108.710	1.677	0.0003
BGIBMGA002998	24.357	77.677	1.673	0.0003
BGIBMGA014533	14.990	47.799	1.673	0.0137
BGIBMGA001806	94.202	299.513	1.669	0.0003
BGIBMGA014266	2.431	7.725	1.668	0.0137
BGIBMGA002203	31.656	100.295	1.664	0.0009
BGIBMGA011363	6.506	20.599	1.663	0.0047
BGIBMGA002457	12.449	39.408	1.663	0.0003
BGIBMGA003573	10.025	31.671	1.660	0.0003
BGIBMGA004911	31717.400	100183.000	1.659	0.0003
BGIBMGA013528	7.251	22.868	1.657	0.0036
BGIBMGA002286	2.082	6.556	1.655	0.0055
BGIBMGA001308	51.551	161.951	1.652	0.0003
BGIBMGA001578	11.754	36.874	1.649	0.0022
BGIBMGA002207	6.452	20.238	1.649	0.0088
BGIBMGA005080	7.553	23.676	1.648	0.0009
BGIBMGA009953	365.991	1146.330	1.647	0.0003
BGIBMGA012264	3.123	9.769	1.645	0.0289
BGIBMGA002222	277.057	865.615	1.644	0.0003
BGIBMGA008203	71.716	224.039	1.643	0.0003
BGIBMGA008084	2686.750	8377.730	1.641	0.0178
BGIBMGA009047	3.372	10.498	1.638	0.0299
BGIBMGA006768	23.074	71.817	1.638	0.0009
BGIBMGA012137	6.774	21.059	1.636	0.0003
BGIBMGA014241	182.135	564.931	1.633	0.0003
BGIBMGA002398	88.285	273.280	1.630	0.0003
BGIBMGA007300	3.485	10.768	1.628	0.0435
BGIBMGA004614	16.187	49.971	1.626	0.0003
BGIBMGA005755	553.695	1703.750	1.622	0.0003
BGIBMGA002238	2.363	7.261	1.620	0.0222
BGIBMGA006739	65.682	201.496	1.617	0.0003
BGIBMGA011866	16.221	49.686	1.615	0.0333
BGIBMGA006573	5.182	15.871	1.615	0.0222
BGIBMGA003339	162.981	498.243	1.612	0.0003
BGIBMGA012888	274.621	837.766	1.609	0.0003
BGIBMGA001477	85.813	261.344	1.607	0.0003
BGIBMGA006785	3.081	9.369	1.605	0.0059
BGIBMGA012294	151.245	459.716	1.604	0.0019
BGIBMGA002711	26.346	80.044	1.603	0.0024
BGIBMGA006277	6.444	19.543	1.601	0.0070
BGIBMGA008400	9.490	28.681	1.596	0.0247
BGIBMGA000424	50.830	153.282	1.592	0.0003
BGIBMGA014120	30.420	91.567	1.590	0.0003
BGIBMGA004042	29.732	89.396	1.588	0.0082
BGIBMGA010681	163.995	492.649	1.587	0.0003
BGIBMGA013705	9.520	28.410	1.577	0.0036
BGIBMGA002195	46.473	138.525	1.576	0.0005
BGIBMGA014594	13.707	40.820	1.574	0.0178
BGIBMGA002684	15.815	47.073	1.574	0.0022
BGIBMGA003340	111.895	332.811	1.573	0.0003
BGIBMGA014505	9.412	27.989	1.572	0.0003
BGIBMGA002331	10.486	31.157	1.571	0.0027
BGIBMGA000167	102.052	302.210	1.566	0.0003
BGIBMGA007039	374.560	1105.890	1.562	0.0003
BGIBMGA012680	55.242	163.044	1.561	0.0003
BGIBMGA008509	39.087	115.165	1.559	0.0003
BGIBMGA009571	8.124	23.897	1.557	0.0078
BGIBMGA009563	3.745	11.010	1.556	0.0030
BGIBMGA002944	3.279	9.627	1.554	0.0388

BGIBMGA005996	14.521	42.597	1.553	0.0015
BGIBMGA008221	154.497	452.381	1.550	0.0003
BGIBMGA012456	2.948	8.631	1.550	0.0316
BGIBMGA008478	20.662	60.486	1.550	0.0249
BGIBMGA010257	21.326	61.821	1.535	0.0005
BGIBMGA010070	58.003	167.607	1.531	0.0003
BGIBMGA007900	17.588	50.709	1.528	0.0054
BGIBMGA005727	278.602	802.479	1.526	0.0003
BGIBMGA013849	70.547	202.913	1.524	0.0003
BGIBMGA012197	15.433	44.260	1.520	0.0003
BGIBMGA001276	42.056	120.403	1.517	0.0003
BGIBMGA012995	82.535	236.168	1.517	0.0003
BGIBMGA003275	1.687	4.818	1.514	0.0379
BGIBMGA008329	159.853	456.027	1.512	0.0163
BGIBMGA012924	31.720	90.482	1.512	0.0005
BGIBMGA001383	24.549	70.001	1.512	0.0003
BGIBMGA003318	44.486	126.800	1.511	0.0003
BGIBMGA009180	11.528	32.761	1.507	0.0057
BGIBMGA002348	144.061	408.978	1.505	0.0003
BGIBMGA009956	1063.450	3013.040	1.502	0.0120
BGIBMGA009159	65.334	184.671	1.499	0.0005
BGIBMGA003344	20.192	57.062	1.499	0.0003
BGIBMGA005270	74.373	209.671	1.495	0.0003
BGIBMGA000236	4.659	13.110	1.493	0.0144
BGIBMGA002650	53.873	151.541	1.492	0.0003
BGIBMGA008718	13.283	37.158	1.484	0.0003
BGIBMGA001476	78.421	219.143	1.483	0.0003
BGIBMGA009624	11.055	30.869	1.481	0.0069
BGIBMGA013268	3.627	10.106	1.478	0.0336
BGIBMGA012441	14.281	39.770	1.478	0.0024
BGIBMGA001707	4.024	11.169	1.473	0.0054
BGIBMGA014406	36.657	101.581	1.470	0.0125
BGIBMGA006383	2.358	6.514	1.466	0.0157
BGIBMGA013998	37.957	104.566	1.462	0.0003
BGIBMGA000298	2.526	6.951	1.460	0.0372
BGIBMGA006415	113.749	312.721	1.459	0.0003
BGIBMGA014052	9.466	25.997	1.458	0.0032
BGIBMGA009057	21.978	60.338	1.457	0.0005
BGIBMGA002890	49.966	137.001	1.455	0.0003
BGIBMGA005381	130.040	356.464	1.455	0.0003
BGIBMGA003225	32.997	90.304	1.452	0.0003
BGIBMGA011948	15994.700	43738.600	1.451	0.0003
BGIBMGA000496	21.042	57.505	1.450	0.0003
BGIBMGA006691	3.072	8.359	1.444	0.0074
BGIBMGA010008	21.692	58.890	1.441	0.0064
BGIBMGA012567	11.600	31.488	1.441	0.0009
BGIBMGA009704	1202.550	3250.440	1.435	0.0003
BGIBMGA011525	17.782	47.994	1.432	0.0003
BGIBMGA011774	158.333	425.158	1.425	0.0003
BGIBMGA010116	2.868	7.697	1.424	0.0404
BGIBMGA002677	521.874	1399.440	1.423	0.0003
BGIBMGA008954	53.975	144.645	1.422	0.0003
BGIBMGA012664	8.038	21.498	1.419	0.0419
BGIBMGA011548	24.247	64.556	1.413	0.0003
BGIBMGA009607	53.476	142.265	1.412	0.0017
BGIBMGA009064	26.268	69.857	1.411	0.0096
BGIBMGA014177	265.485	705.843	1.411	0.0003
BGIBMGA002647	21.306	56.418	1.405	0.0003
BGIBMGA006032	25.135	66.439	1.402	0.0007
BGIBMGA001436	40.843	107.938	1.402	0.0003
BGIBMGA009592	373.695	986.843	1.401	0.0003
BGIBMGA003688	181.612	478.278	1.397	0.0003
BGIBMGA001351	268.193	705.697	1.396	0.0003
BGIBMGA000127	101.900	267.638	1.393	0.0003
BGIBMGA003327	16.339	42.666	1.385	0.0213
BGIBMGA012133	72.212	188.504	1.384	0.0003
BGIBMGA006011	56.922	148.550	1.384	0.0003
BGIBMGA001031	6.705	17.497	1.384	0.0153
BGIBMGA012153	857.652	2237.180	1.383	0.0236
BGIBMGA008095	202.225	527.310	1.383	0.0003
BGIBMGA014593	99.205	258.607	1.382	0.0003
BGIBMGA013530	1.318	3.421	1.376	0.0079
BGIBMGA007873	739.620	1918.670	1.375	0.0003
BGIBMGA003991	283.681	735.625	1.375	0.0003
BGIBMGA013051	14.057	36.336	1.370	0.0007
BGIBMGA006203	11.158	28.799	1.368	0.0093
BGIBMGA003475	470.478	1212.890	1.366	0.0003
BGIBMGA014290	22.199	57.217	1.366	0.0241
BGIBMGA010611	66.726	171.563	1.362	0.0003
BGIBMGA005869	48.927	125.587	1.360	0.0193
BGIBMGA011357	344.414	882.869	1.358	0.0003
BGIBMGA000692	0.477	1.221	1.357	0.0247
BGIBMGA001854	38.996	99.691	1.354	0.0003
BGIBMGA005615	67.636	172.761	1.353	0.0003
BGIBMGA002439	66.738	170.453	1.353	0.0003
BGIBMGA007211	37.469	95.667	1.352	0.0003
BGIBMGA004268	3.940	10.059	1.352	0.0121
BGIBMGA008621	54.996	140.357	1.352	0.0003
BGIBMGA011930	178.776	455.177	1.348	0.0070
BGIBMGA014064	197.914	503.539	1.347	0.0003
BGIBMGA013341	59.008	150.064	1.347	0.0003
BGIBMGA000701	127.443	323.886	1.346	0.0003
BGIBMGA010286	5.799	14.696	1.341	0.0207

BGIBMGA013018	29.611	75.010	1.341	0.0017
BGIBMGA009589	10.538	26.684	1.340	0.0007
BGIBMGA007087	431.026	1090.030	1.339	0.0187
BGIBMGA014573	21.199	53.599	1.338	0.0009
BGIBMGA004040	43.500	109.974	1.338	0.0227
BGIBMGA009411	9987.390	25200.000	1.335	0.0003
BGIBMGA011786	66.703	167.754	1.331	0.0003
BGIBMGA005662	5.423	13.636	1.330	0.0387
BGIBMGA013376	0.933	2.344	1.329	0.0032
BGIBMGA005938	42.687	107.143	1.328	0.0003
BGIBMGA010193	117.245	294.188	1.327	0.0003
BGIBMGA005748	13.506	33.875	1.327	0.0051
BGIBMGA000858	1.089	2.726	1.324	0.0404
BGIBMGA003493	345.693	864.661	1.323	0.0003
BGIBMGA008503	62.532	156.290	1.322	0.0005
BGIBMGA010998	103.296	258.119	1.321	0.0003
BGIBMGA010740	2.923	7.302	1.321	0.0137
BGIBMGA005010	16.505	41.223	1.321	0.0022
BGIBMGA007549	66.680	166.133	1.317	0.0013
BGIBMGA005952	8.792	21.876	1.315	0.0151
BGIBMGA006886	3.338	8.304	1.315	0.0075
BGIBMGA003847	60.893	151.297	1.313	0.0003
BGIBMGA013930	195.289	485.063	1.313	0.0003
BGIBMGA006742	26.664	66.204	1.312	0.0111
BGIBMGA004427	113.258	281.134	1.312	0.0003
BGIBMGA011183	178.818	443.350	1.310	0.0128
BGIBMGA001323	90.050	223.058	1.309	0.0003
BGIBMGA004496	49.767	122.364	1.298	0.0003
BGIBMGA013606	7.045	17.304	1.297	0.0065
BGIBMGA000125	44.217	108.565	1.296	0.0003
BGIBMGA012109	47.805	117.010	1.291	0.0145
BGIBMGA002767	12.943	31.679	1.291	0.0027
BGIBMGA010912	73.831	180.248	1.288	0.0003
BGIBMGA011296	423.627	1031.320	1.284	0.0162
BGIBMGA008360	36.138	87.904	1.282	0.0025
BGIBMGA010234	585.830	1423.120	1.281	0.0003
BGIBMGA005699	56.949	138.167	1.279	0.0029
BGIBMGA002938	1.209	2.931	1.277	0.0325
BGIBMGA007159	198.435	480.091	1.275	0.0007
BGIBMGA001461	28.222	68.129	1.271	0.0003
BGIBMGA011833	7.975	19.244	1.271	0.0150
BGIBMGA004667	19.582	47.226	1.270	0.0029
BGIBMGA003739	49.816	120.135	1.270	0.0003
BGIBMGA013054	78.921	189.870	1.267	0.0003
BGIBMGA006980	58.920	141.683	1.266	0.0005
BGIBMGA011577	17.694	42.485	1.264	0.0003
BGIBMGA002145	125.393	300.745	1.262	0.0036
BGIBMGA002462	101.418	243.218	1.262	0.0003
BGIBMGA004305	5.669	13.554	1.257	0.0283
BGIBMGA004365	4.220	10.071	1.255	0.0170
BGIBMGA004959	10.942	26.067	1.252	0.0111
BGIBMGA006867	8259.560	19646.800	1.250	0.0003
BGIBMGA004321	10.620	25.218	1.248	0.0003
BGIBMGA004346	110.526	262.416	1.247	0.0020
BGIBMGA004421	383.204	906.588	1.242	0.0003
BGIBMGA012194	22.130	52.309	1.241	0.0009
BGIBMGA012057	51.289	121.147	1.240	0.0009
BGIBMGA004805	1726.040	4074.550	1.239	0.0003
BGIBMGA009732	52.291	123.423	1.239	0.0003
BGIBMGA003328	14.661	34.586	1.238	0.0200
BGIBMGA000624	3.567	8.388	1.234	0.0011
BGIBMGA000106	126.475	297.166	1.232	0.0188
BGIBMGA014215	23.649	55.451	1.229	0.0005
BGIBMGA004950	33.652	78.905	1.229	0.0003
BGIBMGA013372	10.678	24.983	1.226	0.0384
BGIBMGA011295	439.794	1028.950	1.226	0.0011
BGIBMGA000138	66.548	155.627	1.226	0.0003
BGIBMGA014618	20.550	47.925	1.222	0.0009
BGIBMGA000691	12.063	28.125	1.221	0.0003
BGIBMGA003237	54.015	125.848	1.220	0.0007
BGIBMGA011853	30.024	69.927	1.220	0.0395
BGIBMGA004850	181.352	422.000	1.218	0.0003
BGIBMGA013566	282.778	656.882	1.216	0.0003
BGIBMGA000202	24.272	56.382	1.216	0.0222
BGIBMGA009115	50.657	117.634	1.215	0.0225
BGIBMGA010905	163.533	378.530	1.211	0.0003
BGIBMGA004990	3.401	7.863	1.209	0.0397
BGIBMGA002958	3.670	8.467	1.206	0.0436
BGIBMGA002660	36.503	84.123	1.205	0.0003
BGIBMGA009111	40.574	93.484	1.204	0.0009
BGIBMGA008771	9.234	21.255	1.203	0.0137
BGIBMGA005441	10.255	23.601	1.203	0.0007
BGIBMGA009614	100.631	231.580	1.202	0.0005
BGIBMGA006698	11.547	26.572	1.202	0.0254
BGIBMGA005412	85.596	196.948	1.202	0.0003
BGIBMGA014140	55.536	127.648	1.201	0.0003
BGIBMGA009875	56.670	130.106	1.199	0.0003
BGIBMGA009681	15.925	36.531	1.198	0.0057
BGIBMGA011667	126.976	291.221	1.198	0.0009
BGIBMGA011593	217.488	497.489	1.194	0.0003
BGIBMGA001754	8.254	18.844	1.191	0.0082
BGIBMGA006645	28.139	64.223	1.191	0.0005
BGIBMGA001036	35.480	80.910	1.189	0.0009

BGIBMGA011337	221.757	505.359	1.188	0.0003
BGIBMGA011153	7.347	16.733	1.187	0.0088
BGIBMGA000731	6.555	14.908	1.185	0.0165
BGIBMGA004265	188.825	428.455	1.182	0.0009
BGIBMGA013448	208.840	473.793	1.182	0.0003
BGIBMGA007458	170.715	387.105	1.181	0.0003
BGIBMGA009572	11.425	25.889	1.180	0.0005
BGIBMGA013765	125.117	283.374	1.179	0.0024
BGIBMGA009052	160.216	362.540	1.178	0.0003
BGIBMGA004270	36.781	83.038	1.175	0.0032
BGIBMGA005459	53.713	120.975	1.171	0.0003
BGIBMGA003920	8.724	19.648	1.171	0.0279
BGIBMGA008460	27.216	61.284	1.171	0.0003
BGIBMGA003224	16.559	37.231	1.169	0.0422
BGIBMGA013504	204.137	458.924	1.169	0.0003
BGIBMGA011246	384.635	864.129	1.168	0.0285
BGIBMGA007422	27.619	61.988	1.166	0.0260
BGIBMGA002150	52.439	117.465	1.164	0.0005
BGIBMGA009810	12.014	26.909	1.163	0.0240
BGIBMGA002640	1299.870	2910.780	1.163	0.0003
BGIBMGA007849	133.147	297.316	1.159	0.0011
BGIBMGA013061	22.653	50.497	1.156	0.0273
BGIBMGA008072	31.004	69.075	1.156	0.0025
BGIBMGA005966	76.791	170.689	1.152	0.0003
BGIBMGA011386	8.209	18.238	1.152	0.0064
BGIBMGA011230	63.530	141.138	1.152	0.0003
BGIBMGA007817	99.657	221.117	1.150	0.0003
BGIBMGA011772	13.239	29.353	1.149	0.0147
BGIBMGA012936	171.800	380.684	1.148	0.0013
BGIBMGA006219	1851.340	4098.480	1.147	0.0003
BGIBMGA010090	15.853	35.076	1.146	0.0003
BGIBMGA002510	35.137	77.654	1.144	0.0024
BGIBMGA007955	64.799	143.100	1.143	0.0003
BGIBMGA007514	42.226	93.243	1.143	0.0085
BGIBMGA012537	203.390	449.113	1.143	0.0003
BGIBMGA006329	114.906	253.599	1.142	0.0020
BGIBMGA007013	114.511	252.726	1.142	0.0070
BGIBMGA010163	80.672	177.833	1.140	0.0003
BGIBMGA004882	138.627	305.347	1.139	0.0013
BGIBMGA000090	26.035	57.295	1.138	0.0055
BGIBMGA008953	31.375	69.002	1.137	0.0015
BGIBMGA011870	197.726	434.752	1.137	0.0003
BGIBMGA012546	4792.370	10537.000	1.137	0.0003
BGIBMGA003537	91.160	200.035	1.134	0.0029
BGIBMGA009494	18.123	39.697	1.131	0.0321
BGIBMGA006214	55.346	121.113	1.130	0.0003
BGIBMGA004586	44.736	97.894	1.130	0.0003
BGIBMGA004494	81.311	177.909	1.130	0.0017
BGIBMGA001830	32.986	72.135	1.129	0.0188
BGIBMGA014416	36.095	78.909	1.128	0.0030
BGIBMGA010139	7606.110	16628.200	1.128	0.0003
BGIBMGA005882	42.323	92.384	1.126	0.0212
BGIBMGA001983	16.580	36.187	1.126	0.0093
BGIBMGA008174	48.110	104.923	1.125	0.0025
BGIBMGA009559	52.680	114.733	1.123	0.0361
BGIBMGA011029	272.668	593.664	1.123	0.0003
BGIBMGA007192	121.199	263.794	1.122	0.0003
BGIBMGA006883	83.719	182.090	1.121	0.0019
BGIBMGA007261	94.927	206.279	1.120	0.0003
BGIBMGA006794	1019.500	2212.950	1.118	0.0003
BGIBMGA010170	203.795	441.901	1.117	0.0011
BGIBMGA012138	14.160	30.672	1.115	0.0134
BGIBMGA002429	4590.830	9939.790	1.114	0.0003
BGIBMGA003767	102.758	222.384	1.114	0.0003
BGIBMGA009182	1181.650	2552.800	1.111	0.0003
BGIBMGA013699	36.188	78.112	1.110	0.0025
BGIBMGA002416	1272.060	2745.250	1.110	0.0045
BGIBMGA006632	51.486	111.090	1.109	0.0041
BGIBMGA011596	9.678	20.879	1.109	0.0354
BGIBMGA006936	13.804	29.743	1.107	0.0058
BGIBMGA007706	37.983	81.834	1.107	0.0099
BGIBMGA005490	134.244	289.194	1.107	0.0003
BGIBMGA007781	28.134	60.493	1.104	0.0343
BGIBMGA003202	92.054	197.927	1.104	0.0003
BGIBMGA006823	626.454	1346.710	1.104	0.0003
BGIBMGA010461	20.162	43.286	1.102	0.0015
BGIBMGA010223	187.913	403.043	1.101	0.0007
BGIBMGA009055	17.778	38.125	1.101	0.0029
BGIBMGA004322	5.439	11.634	1.097	0.0335
BGIBMGA006602	13.231	28.282	1.096	0.0115
BGIBMGA008222	232.353	496.523	1.096	0.0057
BGIBMGA011420	14.675	31.358	1.095	0.0253
BGIBMGA000293	62.967	134.482	1.095	0.0011
BGIBMGA008422	18.444	39.390	1.095	0.0367
BGIBMGA009355	177.990	380.123	1.095	0.0007
BGIBMGA009418	118.895	253.703	1.093	0.0003
BGIBMGA000384	91.447	195.102	1.093	0.0003
BGIBMGA005485	91.847	195.814	1.092	0.0015
BGIBMGA011776	597.655	1271.020	1.089	0.0003
BGIBMGA005896	13.652	29.034	1.089	0.0093
BGIBMGA000099	35.490	75.415	1.087	0.0258
BGIBMGA011174	15.928	33.788	1.085	0.0181
BGIBMGA006919	173.959	368.796	1.084	0.0003

BGIBMGA004933	356.623	755.298	1.083	0.0005
BGIBMGA010887	64.539	136.688	1.083	0.0003
BGIBMGA007043	955.345	2023.210	1.083	0.0011
BGIBMGA005586	97.374	206.058	1.081	0.0005
BGIBMGA003156	51.677	109.264	1.080	0.0022
BGIBMGA012347	409.706	864.926	1.078	0.0003
BGIBMGA007431	34.891	73.605	1.077	0.0019
BGIBMGA004454	882.764	1861.360	1.076	0.0003
BGIBMGA001536	64.196	135.188	1.074	0.0011
BGIBMGA010403	137.837	290.158	1.074	0.0003
BGIBMGA013339	773.014	1626.830	1.074	0.0003
BGIBMGA001845	9.660	20.306	1.072	0.0433
BGIBMGA006588	187.813	394.633	1.071	0.0003
BGIBMGA011592	85.000	178.480	1.070	0.0039
BGIBMGA009107	833.423	1748.490	1.069	0.0003
BGIBMGA000375	19.731	41.372	1.068	0.0289
BGIBMGA010476	11.319	23.686	1.065	0.0085
BGIBMGA000086	139.444	291.098	1.062	0.0005
BGIBMGA013069	33.865	70.688	1.062	0.0091
BGIBMGA003828	612.581	1278.340	1.061	0.0005
BGIBMGA008977	41.844	87.221	1.060	0.0007
BGIBMGA007297	90.165	187.750	1.058	0.0005
BGIBMGA001326	34.803	72.436	1.057	0.0042
BGIBMGA011972	789.390	1642.960	1.057	0.0022
BGIBMGA011417	42.894	89.210	1.056	0.0207
BGIBMGA006347	15.451	32.113	1.055	0.0062
BGIBMGA003375	43.144	89.432	1.052	0.0035
BGIBMGA007919	16.529	34.254	1.051	0.0300
BGIBMGA005013	115.743	239.711	1.050	0.0015
BGIBMGA012060	3.324	6.877	1.049	0.0108
BGIBMGA012521	12.444	25.745	1.049	0.0352
BGIBMGA006968	61.387	126.865	1.047	0.0045
BGIBMGA001984	42.856	88.546	1.047	0.0073
BGIBMGA013918	127.715	263.785	1.046	0.0007
BGIBMGA004339	24.937	51.494	1.046	0.0069
BGIBMGA000944	454.765	937.659	1.044	0.0003
BGIBMGA010569	61.895	127.585	1.044	0.0020
BGIBMGA005665	7.061	14.552	1.043	0.0207
BGIBMGA013531	2.561	5.269	1.041	0.0017
BGIBMGA013992	12.345	25.381	1.040	0.0075
BGIBMGA000802	12.768	26.228	1.039	0.0068
BGIBMGA009893	63.721	130.718	1.037	0.0027
BGIBMGA010819	64.630	132.567	1.036	0.0120
BGIBMGA001711	241.529	495.020	1.035	0.0003
BGIBMGA000642	18.457	37.732	1.032	0.0050
BGIBMGA005684	10232.600	20898.200	1.030	0.0033
BGIBMGA010634	24.701	50.410	1.029	0.0141
BGIBMGA008301	146.281	298.360	1.028	0.0156
BGIBMGA011798	76.204	155.339	1.027	0.0015
BGIBMGA010462	68.736	140.092	1.027	0.0005
BGIBMGA005637	38.965	79.380	1.027	0.0047
BGIBMGA009685	115.884	236.070	1.027	0.0003
BGIBMGA006376	805.759	1641.180	1.026	0.0003
BGIBMGA002955	56.789	115.503	1.024	0.0036
BGIBMGA007080	39.551	80.374	1.023	0.0111
BGIBMGA001915	188.484	382.832	1.022	0.0003
BGIBMGA011609	9.095	18.461	1.021	0.0275
BGIBMGA012122	84.333	170.987	1.020	0.0007
BGIBMGA004333	59.356	120.313	1.019	0.0032
BGIBMGA008451	26.230	53.100	1.017	0.0073
BGIBMGA011840	7.380	14.921	1.016	0.0384
BGIBMGA000419	38.726	78.265	1.015	0.0065
BGIBMGA010761	12.807	25.846	1.013	0.0064
BGIBMGA014404	81.111	163.652	1.013	0.0017
BGIBMGA005628	98.215	198.120	1.012	0.0003
BGIBMGA011542	10.482	21.136	1.012	0.0059
BGIBMGA012817	82.947	167.047	1.010	0.0082
BGIBMGA006772	72.251	145.479	1.010	0.0003
BGIBMGA010571	6857.800	13806.500	1.010	0.0003
BGIBMGA012581	27.806	55.964	1.009	0.0184
BGIBMGA000980	66.617	133.968	1.008	0.0263
BGIBMGA003335	427.108	858.837	1.008	0.0003
BGIBMGA012025	86.120	172.914	1.006	0.0009
BGIBMGA004369	34.120	68.494	1.005	0.0047
BGIBMGA001288	12.772	25.631	1.005	0.0404
BGIBMGA000936	129.329	259.136	1.003	0.0017
BGIBMGA011475	32.331	64.743	1.002	0.0022
BGIBMGA006615	221.827	444.173	1.002	0.0024
BGIBMGA003974	1572.040	3144.990	1.000	0.0020
BGIBMGA013319	0.000	15.155	∞	0.0430
BGIBMGA001946	0.000	19.189	∞	0.0418
BGIBMGA009506	0.000	6.657	∞	0.0354
BGIBMGA011762	0.000	15.670	∞	0.0354
BGIBMGA000860	0.000	13.099	∞	0.0242
BGIBMGA002608	0.000	12.399	∞	0.0242
BGIBMGA000023	0.000	125.233	∞	0.0232
BGIBMGA002244	0.000	5.284	∞	0.0223
BGIBMGA000345	0.000	3.293	∞	0.0206
BGIBMGA011768	0.000	118.497	∞	0.0154
BGIBMGA002177	0.000	3.996	∞	0.0152
BGIBMGA013225	0.000	7509.160	∞	0.0152
BGIBMGA014021	0.000	603.502	∞	0.0152
BGIBMGA000514	0.000	2.332	∞	0.0145

BGIBMGA004294	0.000	2.284	∞	0.0130
BGIBMGA011719	0.000	9.117	∞	0.0103
BGIBMGA009031	0.000	3.540	∞	0.0097
BGIBMGA013953	0.000	139.508	∞	0.0095
BGIBMGA004288	0.000	3.804	∞	0.0090
BGIBMGA007625	0.000	2.093	∞	0.0090
BGIBMGA012993	0.000	9.341	∞	0.0074
BGIBMGA001571	0.000	3.051	∞	0.0066
BGIBMGA005256	0.000	3.965	∞	0.0065
BGIBMGA008149	0.000	130.024	∞	0.0059
BGIBMGA004287	0.000	3.140	∞	0.0057
BGIBMGA011492	0.000	2.036	∞	0.0057
BGIBMGA011998	0.000	1.831	∞	0.0050
BGIBMGA012615	0.000	1.330	∞	0.0045
BGIBMGA002568	0.000	5.574	∞	0.0038
BGIBMGA006281	0.000	1055.380	∞	0.0035
BGIBMGA009896	0.000	54.799	∞	0.0035
BGIBMGA007339	0.000	19.094	∞	0.0033
BGIBMGA010715	0.000	8.599	∞	0.0032
BGIBMGA004286	0.000	7.413	∞	0.0027
BGIBMGA004627	0.000	6.912	∞	0.0020
BGIBMGA000438	0.000	1.484	∞	0.0013
BGIBMGA011433	0.000	1.708	∞	0.0011
BGIBMGA000259	0.000	2.529	∞	0.0007
BGIBMGA002196	0.000	22.312	∞	0.0007
BGIBMGA002278	0.000	2.284	∞	0.0005
BGIBMGA005704	0.000	1.277	∞	0.0005
BGIBMGA010750	0.000	14.700	∞	0.0005
BGIBMGA000070	0.000	2.721	∞	0.0003
BGIBMGA000260	0.000	5.874	∞	0.0003
BGIBMGA000263	0.000	5.933	∞	0.0003
BGIBMGA000266	0.000	3.708	∞	0.0003
BGIBMGA000337	0.000	2.517	∞	0.0003
BGIBMGA000369	0.000	8.766	∞	0.0003
BGIBMGA000433	0.000	5.161	∞	0.0003
BGIBMGA001700	0.000	400.232	∞	0.0003
BGIBMGA002441	0.000	44.562	∞	0.0003
BGIBMGA003836	0.000	60.108	∞	0.0003
BGIBMGA003988	0.000	24.245	∞	0.0003
BGIBMGA004285	0.000	9.325	∞	0.0003
BGIBMGA004290	0.000	13.443	∞	0.0003
BGIBMGA004291	0.000	31.427	∞	0.0003
BGIBMGA004445	0.000	3.082	∞	0.0003
BGIBMGA004559	0.000	1.558	∞	0.0003
BGIBMGA004792	0.000	3.425	∞	0.0003
BGIBMGA004860	0.000	65.302	∞	0.0003
BGIBMGA006135	0.000	88.874	∞	0.0003
BGIBMGA008120	0.000	35086.000	∞	0.0003
BGIBMGA008513	0.000	1.901	∞	0.0003
BGIBMGA008535	0.000	93.025	∞	0.0003
BGIBMGA008708	0.000	310.475	∞	0.0003
BGIBMGA008711	0.000	36.316	∞	0.0003
BGIBMGA008712	0.000	53.717	∞	0.0003
BGIBMGA009143	0.000	2.853	∞	0.0003
BGIBMGA009479	0.000	3.821	∞	0.0003
BGIBMGA009526	0.000	6.170	∞	0.0003
BGIBMGA009786	0.000	4.494	∞	0.0003
BGIBMGA010290	0.000	1.179	∞	0.0003
BGIBMGA010504	0.000	1.546	∞	0.0003
BGIBMGA010511	0.000	1.844	∞	0.0003
BGIBMGA010968	0.000	3.259	∞	0.0003
BGIBMGA012154	0.000	13.104	∞	0.0003
BGIBMGA012196	0.000	40.634	∞	0.0003
BGIBMGA012603	0.000	3.783	∞	0.0003
BGIBMGA012768	0.000	4.826	∞	0.0003
BGIBMGA012892	0.000	1.156	∞	0.0003
BGIBMGA013220	0.000	11.688	∞	0.0003
BGIBMGA013440	0.000	6.222	∞	0.0003
BGIBMGA013760	0.000	5.462	∞	0.0003
BGIBMGA013984	0.000	102.382	∞	0.0003
Down regulated in domestic silkworm				
BGIBMGA012251	10.962	5.477	-1.001	0.0298
BGIBMGA005484	16.639	8.306	-1.002	0.0263
BGIBMGA010484	112.959	56.332	-1.004	0.0033
BGIBMGA005967	17.616	8.783	-1.004	0.0035
BGIBMGA010136	135.615	67.617	-1.004	0.0007
BGIBMGA010837	38.741	19.314	-1.004	0.0083
BGIBMGA012092	133.624	66.614	-1.004	0.0005
BGIBMGA008842	51.255	25.542	-1.005	0.0032
BGIBMGA010065	501.062	249.675	-1.005	0.0017
BGIBMGA004127	111.964	55.790	-1.005	0.0015
BGIBMGA003015	23.018	11.469	-1.005	0.0036
BGIBMGA005965	97.373	48.518	-1.005	0.0003
BGIBMGA002776	48.839	24.332	-1.005	0.0032
BGIBMGA003892	143.234	71.333	-1.006	0.0003
BGIBMGA013017	21.973	10.942	-1.006	0.0418
BGIBMGA003933	99.263	49.433	-1.006	0.0019
BGIBMGA003697	76.658	38.171	-1.006	0.0011
BGIBMGA002220	20.188	10.052	-1.006	0.0144
BGIBMGA000630	13.525	6.723	-1.009	0.0286
BGIBMGA010805	33.772	16.766	-1.010	0.0365
BGIBMGA008551	116.664	57.895	-1.011	0.0003
BGIBMGA003960	14.563	7.221	-1.012	0.0248

BGIBMGA011907	92.915	46.046	-1.013	0.0025
BGIBMGA005129	16.231	8.043	-1.013	0.0009
BGIBMGA007571	54.859	27.168	-1.014	0.0038
BGIBMGA005063	94.341	46.720	-1.014	0.0025
BGIBMGA012525	5.843	2.891	-1.015	0.0269
BGIBMGA002821	16.778	8.302	-1.015	0.0088
BGIBMGA008224	91.969	45.497	-1.015	0.0009
BGIBMGA003268	6.216	3.075	-1.015	0.0396
BGIBMGA006025	31.579	15.614	-1.016	0.0009
BGIBMGA005042	106.144	52.469	-1.017	0.0065
BGIBMGA013462	121.855	60.206	-1.017	0.0003
BGIBMGA005105	17.717	8.753	-1.017	0.0025
BGIBMGA002404	62.850	31.049	-1.017	0.0003
BGIBMGA008884	64.313	31.772	-1.017	0.0007
BGIBMGA004672	143.434	70.835	-1.018	0.0003
BGIBMGA000892	30.080	14.848	-1.019	0.0095
BGIBMGA001431	146.962	72.538	-1.019	0.0017
BGIBMGA014337	73.208	36.117	-1.019	0.0070
BGIBMGA008295	739.992	365.033	-1.019	0.0003
BGIBMGA000541	146.805	72.396	-1.020	0.0157
BGIBMGA008681	16.361	8.066	-1.020	0.0270
BGIBMGA008013	60.497	29.823	-1.020	0.0013
BGIBMGA006856	7.291	3.594	-1.021	0.0003
BGIBMGA000366	18.936	9.334	-1.021	0.0027
BGIBMGA008044	20.090	9.899	-1.021	0.0039
BGIBMGA003425	16.003	7.885	-1.021	0.0147
BGIBMGA011587	15.483	7.627	-1.021	0.0027
BGIBMGA007271	44.337	21.840	-1.022	0.0081
BGIBMGA007634	40.838	20.117	-1.022	0.0036
BGIBMGA007067	87.614	43.137	-1.022	0.0156
BGIBMGA005117	99.777	49.105	-1.023	0.0003
BGIBMGA010746	23.410	11.521	-1.023	0.0386
BGIBMGA007120	609.260	299.743	-1.023	0.0003
BGIBMGA008916	42.957	21.124	-1.024	0.0054
BGIBMGA009362	10.560	5.189	-1.025	0.0142
BGIBMGA012083	89.859	44.139	-1.026	0.0039
BGIBMGA005119	5.231	2.569	-1.026	0.0259
BGIBMGA007905	7.679	3.766	-1.028	0.0052
BGIBMGA007602	81.392	39.909	-1.028	0.0109
BGIBMGA007109	153.210	75.087	-1.029	0.0022
BGIBMGA010543	22.161	10.860	-1.029	0.0214
BGIBMGA002538	169.697	83.147	-1.029	0.0057
BGIBMGA003011	29.444	14.408	-1.031	0.0050
BGIBMGA006595	111.903	54.753	-1.031	0.0003
BGIBMGA002620	361.046	176.514	-1.032	0.0003
BGIBMGA001763	27.753	13.568	-1.032	0.0144
BGIBMGA001656	56.359	27.545	-1.033	0.0047
BGIBMGA007311	4306.310	2104.620	-1.033	0.0003
BGIBMGA011175	19.327	9.444	-1.033	0.0038
BGIBMGA001949	50.231	24.537	-1.034	0.0009
BGIBMGA003230	4.360	2.128	-1.034	0.0381
BGIBMGA014119	22.621	11.040	-1.035	0.0027
BGIBMGA011220	8.638	4.213	-1.036	0.0098
BGIBMGA001008	38.105	18.575	-1.037	0.0051
BGIBMGA000545	307.447	149.868	-1.037	0.0003
BGIBMGA007390	62.048	30.242	-1.037	0.0011
BGIBMGA000288	43.225	21.054	-1.038	0.0122
BGIBMGA007020	35.252	17.164	-1.038	0.0088
BGIBMGA010586	201.502	98.099	-1.038	0.0003
BGIBMGA008516	51.517	25.057	-1.040	0.0025
BGIBMGA008666	23.842	11.596	-1.040	0.0219
BGIBMGA012506	74.487	36.216	-1.040	0.0050
BGIBMGA007893	3.893	1.892	-1.041	0.0066
BGIBMGA013230	391.122	189.870	-1.043	0.0005
BGIBMGA005176	255.829	123.985	-1.045	0.0007
BGIBMGA000765	13.756	6.665	-1.045	0.0101
BGIBMGA004182	47.309	22.908	-1.046	0.0074
BGIBMGA009471	14.075	6.815	-1.046	0.0323
BGIBMGA007954	111.091	53.740	-1.048	0.0003
BGIBMGA010742	56.113	27.130	-1.048	0.0013
BGIBMGA001879	57.637	27.862	-1.049	0.0107
BGIBMGA008885	63.761	30.820	-1.049	0.0022
BGIBMGA000975	27.208	13.150	-1.049	0.0015
BGIBMGA002820	32.715	15.801	-1.050	0.0009
BGIBMGA000695	66.793	32.259	-1.050	0.0098
BGIBMGA013180	18.462	8.915	-1.050	0.0055
BGIBMGA011113	32.920	15.895	-1.050	0.0284
BGIBMGA013452	21.325	10.295	-1.051	0.0264
BGIBMGA008706	104.551	50.459	-1.051	0.0007
BGIBMGA012448	73.213	35.324	-1.051	0.0005
BGIBMGA011989	27.247	13.144	-1.052	0.0059
BGIBMGA009590	32.963	15.891	-1.053	0.0009
BGIBMGA011872	28.385	13.674	-1.054	0.0102
BGIBMGA004447	20.977	10.105	-1.054	0.0011
BGIBMGA001398	20.151	9.702	-1.055	0.0208
BGIBMGA012467	21.876	10.530	-1.055	0.0039
BGIBMGA014413	40.830	19.650	-1.055	0.0062
BGIBMGA007191	21.752	10.464	-1.056	0.0054
BGIBMGA005055	21.426	10.301	-1.057	0.0213
BGIBMGA003486	14.743	7.088	-1.057	0.0128
BGIBMGA005580	18.138	8.718	-1.057	0.0246
BGIBMGA004892	505.804	243.116	-1.057	0.0003
BGIBMGA011345	76.011	36.504	-1.058	0.0054

BGIBMGA002230	28.848	13.850	-1.059	0.0086
BGIBMGA002673	16.201	7.777	-1.059	0.0250
BGIBMGA002636	48.394	23.218	-1.060	0.0066
BGIBMGA011274	78.913	37.837	-1.060	0.0003
BGIBMGA009657	9.303	4.459	-1.061	0.0189
BGIBMGA001997	99.053	47.477	-1.061	0.0304
BGIBMGA008226	166.855	79.964	-1.061	0.0003
BGIBMGA011674	124.503	59.638	-1.062	0.0007
BGIBMGA006901	57.311	27.451	-1.062	0.0082
BGIBMGA006957	27.407	13.120	-1.063	0.0013
BGIBMGA010073	768.168	367.184	-1.065	0.0033
BGIBMGA000957	24.740	11.825	-1.065	0.0005
BGIBMGA007460	538.909	257.442	-1.066	0.0003
BGIBMGA010284	24.138	11.531	-1.066	0.0073
BGIBMGA009835	129.150	61.679	-1.066	0.0003
BGIBMGA009492	16.723	7.978	-1.068	0.0323
BGIBMGA001548	52.956	25.256	-1.068	0.0017
BGIBMGA013425	30.617	14.594	-1.069	0.0120
BGIBMGA004516	38.110	18.152	-1.070	0.0005
BGIBMGA013605	110.551	52.653	-1.070	0.0015
BGIBMGA004505	43.839	20.861	-1.071	0.0052
BGIBMGA003723	85.715	40.778	-1.072	0.0003
BGIBMGA009017	22.028	10.469	-1.073	0.0020
BGIBMGA008983	84.524	40.172	-1.073	0.0032
BGIBMGA014063	60.961	28.971	-1.073	0.0042
BGIBMGA012489	99.815	47.427	-1.074	0.0003
BGIBMGA014155	275.431	130.836	-1.074	0.0003
BGIBMGA005812	1906.790	905.688	-1.074	0.0003
BGIBMGA005534	78.640	37.351	-1.074	0.0022
BGIBMGA012741	13.924	6.610	-1.075	0.0282
BGIBMGA004349	35.797	16.994	-1.075	0.0182
BGIBMGA014068	45.266	21.487	-1.075	0.0005
BGIBMGA002895	55.928	26.540	-1.075	0.0003
BGIBMGA008796	19.772	9.379	-1.076	0.0032
BGIBMGA001877	33.665	15.967	-1.076	0.0013
BGIBMGA005102	49.386	23.423	-1.076	0.0003
BGIBMGA003373	13.828	6.556	-1.077	0.0410
BGIBMGA003222	53.958	25.571	-1.077	0.0036
BGIBMGA012830	18.923	8.967	-1.077	0.0036
BGIBMGA002432	57.514	27.249	-1.078	0.0005
BGIBMGA013871	4.585	2.171	-1.079	0.0179
BGIBMGA010228	159.183	75.371	-1.079	0.0003
BGIBMGA014274	25.977	12.295	-1.079	0.0055
BGIBMGA005445	7.620	3.606	-1.079	0.0193
BGIBMGA009396	15.169	7.177	-1.080	0.0033
BGIBMGA008170	23.664	11.181	-1.082	0.0022
BGIBMGA003830	19.856	9.381	-1.082	0.0007
BGIBMGA009024	52.574	24.838	-1.082	0.0017
BGIBMGA012833	403.136	190.445	-1.082	0.0003
BGIBMGA002262	14.333	6.770	-1.082	0.0243
BGIBMGA002779	121.521	57.384	-1.082	0.0003
BGIBMGA011367	21.707	10.248	-1.083	0.0064
BGIBMGA002509	49.603	23.416	-1.083	0.0032
BGIBMGA011103	182.448	86.126	-1.083	0.0068
BGIBMGA011127	52.588	24.814	-1.084	0.0069
BGIBMGA009974	88.821	41.835	-1.086	0.0003
BGIBMGA013498	246.352	116.012	-1.086	0.0003
BGIBMGA010955	37.097	17.458	-1.087	0.0175
BGIBMGA001741	63.750	30.000	-1.087	0.0045
BGIBMGA013595	32.399	15.242	-1.088	0.0032
BGIBMGA002847	322.119	151.454	-1.089	0.0003
BGIBMGA000721	689.153	323.954	-1.089	0.0003
BGIBMGA010777	72.025	33.755	-1.093	0.0013
BGIBMGA005373	29.044	13.608	-1.094	0.0005
BGIBMGA006417	39.329	18.426	-1.094	0.0013
BGIBMGA003512	19.129	8.961	-1.094	0.0190
BGIBMGA011462	24.765	11.598	-1.094	0.0240
BGIBMGA014066	225.919	105.730	-1.095	0.0005
BGIBMGA000689	29.327	13.721	-1.096	0.0017
BGIBMGA003714	13.204	6.176	-1.096	0.0299
BGIBMGA007346	31.990	14.961	-1.096	0.0015
BGIBMGA011084	74.474	34.827	-1.097	0.0003
BGIBMGA004245	48.657	22.741	-1.097	0.0030
BGIBMGA003654	12.506	5.845	-1.097	0.0027
BGIBMGA002486	13.914	6.500	-1.098	0.0168
BGIBMGA009858	7.084	3.309	-1.098	0.0225
BGIBMGA007155	58.910	27.514	-1.098	0.0015
BGIBMGA007823	47.976	22.397	-1.099	0.0013
BGIBMGA005152	138.919	64.835	-1.099	0.0158
BGIBMGA000597	109.515	51.106	-1.100	0.0019
BGIBMGA002280	2350.780	1096.250	-1.101	0.0003
BGIBMGA008085	43.990	20.499	-1.102	0.0007
BGIBMGA010176	19.898	9.261	-1.103	0.0020
BGIBMGA006001	33.275	15.487	-1.103	0.0045
BGIBMGA006465	98.884	46.021	-1.103	0.0003
BGIBMGA012058	13.744	6.394	-1.104	0.0032
BGIBMGA011346	241.487	112.338	-1.104	0.0011
BGIBMGA004758	173.903	80.890	-1.104	0.0059
BGIBMGA012967	115.541	53.737	-1.104	0.0005
BGIBMGA009382	50.933	23.675	-1.105	0.0003
BGIBMGA006221	86.085	39.997	-1.106	0.0144
BGIBMGA004309	339.686	157.762	-1.106	0.0003
BGIBMGA008965	340.356	158.069	-1.106	0.0003

BGIBMGA010147	20.895	9.698	-1.107	0.0358
BGIBMGA006581	16.801	7.797	-1.108	0.0048
BGIBMGA013910	11.926	5.533	-1.108	0.0247
BGIBMGA013255	153.018	70.983	-1.108	0.0007
BGIBMGA010496	26.252	12.173	-1.109	0.0074
BGIBMGA010797	35.420	16.417	-1.109	0.0019
BGIBMGA011157	18.517	8.580	-1.110	0.0011
BGIBMGA001073	65.520	30.359	-1.110	0.0009
BGIBMGA007738	135.509	62.768	-1.110	0.0003
BGIBMGA003555	99.422	46.029	-1.111	0.0019
BGIBMGA005146	42.131	19.476	-1.113	0.0052
BGIBMGA008283	7.684	3.551	-1.114	0.0148
BGIBMGA008740	39.215	18.118	-1.114	0.0011
BGIBMGA004549	28.797	13.302	-1.114	0.0011
BGIBMGA005206	35.504	16.393	-1.115	0.0137
BGIBMGA013556	10.889	5.027	-1.115	0.0013
BGIBMGA011576	18.908	8.717	-1.117	0.0042
BGIBMGA010803	17.765	8.185	-1.118	0.0011
BGIBMGA012174	18.390	8.469	-1.119	0.0207
BGIBMGA004113	44.493	20.486	-1.119	0.0051
BGIBMGA007516	1047.290	482.159	-1.119	0.0003
BGIBMGA013087	33.471	15.410	-1.119	0.0036
BGIBMGA006026	24.857	11.442	-1.119	0.0013
BGIBMGA005357	59.308	27.296	-1.120	0.0020
BGIBMGA013677	249.773	114.827	-1.121	0.0081
BGIBMGA010956	38.477	17.687	-1.121	0.0118
BGIBMGA003716	118.260	54.322	-1.122	0.0003
BGIBMGA005583	49.764	22.858	-1.122	0.0030
BGIBMGA004802	28.940	13.289	-1.123	0.0340
BGIBMGA001798	6.059	2.782	-1.123	0.0209
BGIBMGA010725	114.146	52.396	-1.123	0.0003
BGIBMGA010697	35.842	16.450	-1.124	0.0134
BGIBMGA006857	276.156	126.617	-1.125	0.0003
BGIBMGA001690	24.216	11.098	-1.126	0.0078
BGIBMGA007133	13.066	5.987	-1.126	0.0017
BGIBMGA009970	37.903	17.353	-1.127	0.0003
BGIBMGA003815	187.280	85.731	-1.127	0.0003
BGIBMGA009463	188.765	86.390	-1.128	0.0003
BGIBMGA005473	50.909	23.289	-1.128	0.0003
BGIBMGA008158	54.705	24.991	-1.130	0.0015
BGIBMGA006590	33.212	15.152	-1.132	0.0128
BGIBMGA001710	46.606	21.262	-1.132	0.0005
BGIBMGA003521	85.593	39.040	-1.133	0.0003
BGIBMGA013400	10.882	4.963	-1.133	0.0099
BGIBMGA013166	60.032	27.379	-1.133	0.0015
BGIBMGA009265	51.766	23.606	-1.133	0.0045
BGIBMGA001349	37.932	17.296	-1.133	0.0227
BGIBMGA013363	24.565	11.200	-1.133	0.0048
BGIBMGA009918	107.175	48.864	-1.133	0.0030
BGIBMGA007774	26.042	11.870	-1.134	0.0110
BGIBMGA001168	321.852	146.606	-1.134	0.0003
BGIBMGA012698	24.910	11.344	-1.135	0.0147
BGIBMGA008997	25.679	11.694	-1.135	0.0020
BGIBMGA003020	100.605	45.795	-1.135	0.0003
BGIBMGA012643	24.297	11.052	-1.137	0.0024
BGIBMGA013126	20.578	9.335	-1.140	0.0123
BGIBMGA010576	34.380	15.588	-1.141	0.0050
BGIBMGA010931	25.969	11.771	-1.142	0.0022
BGIBMGA002893	111.864	50.686	-1.142	0.0003
BGIBMGA004655	47.869	21.687	-1.142	0.0003
BGIBMGA009007	43.138	19.542	-1.142	0.0003
BGIBMGA006690	21.487	9.734	-1.142	0.0169
BGIBMGA011924	61.710	27.954	-1.142	0.0003
BGIBMGA005625	17.348	7.851	-1.144	0.0202
BGIBMGA006180	60.509	27.366	-1.145	0.0003
BGIBMGA000516	144.693	65.437	-1.145	0.0003
BGIBMGA002300	21.640	9.785	-1.145	0.0020
BGIBMGA011132	8.923	4.034	-1.145	0.0052
BGIBMGA009097	82.671	37.362	-1.146	0.0003
BGIBMGA002401	36.191	16.350	-1.146	0.0122
BGIBMGA003791	1911.020	863.237	-1.147	0.0003
BGIBMGA003977	251.784	113.545	-1.149	0.0003
BGIBMGA013453	60.206	27.137	-1.150	0.0017
BGIBMGA002708	36.909	16.626	-1.151	0.0007
BGIBMGA010829	18.030	8.121	-1.151	0.0052
BGIBMGA009257	103.003	46.309	-1.153	0.0003
BGIBMGA012757	47.583	21.387	-1.154	0.0115
BGIBMGA011342	785.632	352.860	-1.155	0.0003
BGIBMGA001318	1752.100	786.767	-1.155	0.0299
BGIBMGA009661	46.033	20.660	-1.156	0.0003
BGIBMGA001982	66.599	29.879	-1.156	0.0003
BGIBMGA008358	25.114	11.264	-1.157	0.0003
BGIBMGA010911	81.490	36.537	-1.157	0.0003
BGIBMGA006796	343.059	153.787	-1.158	0.0003
BGIBMGA005511	19291.200	8645.640	-1.158	0.0003
BGIBMGA009301	32.058	14.358	-1.159	0.0103
BGIBMGA010385	22.819	10.207	-1.161	0.0009
BGIBMGA006956	48.122	21.524	-1.161	0.0059
BGIBMGA012610	40.346	18.045	-1.161	0.0019
BGIBMGA007206	299.876	134.113	-1.161	0.0003
BGIBMGA006792	10.654	4.763	-1.162	0.0285
BGIBMGA005041	12.677	5.667	-1.162	0.0003
BGIBMGA003134	195.070	87.201	-1.162	0.0009

BGIBMGA000030	47.659	21.297	-1.162	0.0005
BGIBMGA001875	19.324	8.633	-1.163	0.0042
BGIBMGA010574	30.520	13.627	-1.163	0.0005
BGIBMGA012444	10.167	4.539	-1.163	0.0039
BGIBMGA001703	79.830	35.624	-1.164	0.0003
BGIBMGA006708	102.825	45.874	-1.164	0.0003
BGIBMGA007697	104.130	46.452	-1.165	0.0015
BGIBMGA013473	78.612	35.068	-1.165	0.0009
BGIBMGA002188	115.355	51.444	-1.165	0.0003
BGIBMGA003721	23.353	10.413	-1.165	0.0072
BGIBMGA009269	12.943	5.765	-1.167	0.0017
BGIBMGA010535	34.545	15.380	-1.167	0.0159
BGIBMGA005338	24.231	10.781	-1.168	0.0029
BGIBMGA006813	62.746	27.909	-1.169	0.0003
BGIBMGA008980	60.322	26.825	-1.169	0.0003
BGIBMGA003365	69.621	30.957	-1.169	0.0003
BGIBMGA012938	83.795	37.252	-1.170	0.0003
BGIBMGA009245	20.597	9.156	-1.170	0.0284
BGIBMGA006725	68.610	30.493	-1.170	0.0015
BGIBMGA008759	125.521	55.780	-1.170	0.0013
BGIBMGA001540	70.920	31.514	-1.170	0.0003
BGIBMGA009240	45.872	20.378	-1.171	0.0011
BGIBMGA008257	137.637	61.120	-1.171	0.0003
BGIBMGA010888	36.657	16.277	-1.171	0.0003
BGIBMGA009851	35.555	15.783	-1.172	0.0003
BGIBMGA001167	112.973	50.114	-1.173	0.0003
BGIBMGA009493	30.053	13.331	-1.173	0.0015
BGIBMGA007178	72.732	32.253	-1.173	0.0013
BGIBMGA008750	24.040	10.658	-1.174	0.0015
BGIBMGA009611	6.728	2.982	-1.174	0.0070
BGIBMGA000888	22.608	10.021	-1.174	0.0013
BGIBMGA004126	24.597	10.899	-1.174	0.0029
BGIBMGA005614	32.767	14.518	-1.174	0.0013
BGIBMGA013909	18.277	8.095	-1.175	0.0109
BGIBMGA001028	13.027	5.768	-1.175	0.0128
BGIBMGA008051	36.326	16.085	-1.175	0.0003
BGIBMGA003800	26.676	11.810	-1.176	0.0019
BGIBMGA012004	69.395	30.716	-1.176	0.0009
BGIBMGA013653	82.230	36.388	-1.176	0.0003
BGIBMGA006183	54.948	24.307	-1.177	0.0036
BGIBMGA006507	812.681	359.453	-1.177	0.0003
BGIBMGA003304	18.988	8.397	-1.177	0.0033
BGIBMGA001259	108.147	47.807	-1.178	0.0003
BGIBMGA000132	290.290	128.283	-1.178	0.0003
BGIBMGA001994	5.446	2.406	-1.179	0.0086
BGIBMGA009428	42.963	18.976	-1.179	0.0127
BGIBMGA001750	82.606	36.484	-1.179	0.0003
BGIBMGA004818	30.915	13.648	-1.180	0.0020
BGIBMGA013063	310.923	137.162	-1.181	0.0003
BGIBMGA001955	44.337	19.558	-1.181	0.0244
BGIBMGA007871	44.120	19.461	-1.181	0.0275
BGIBMGA011233	15.002	6.616	-1.181	0.0095
BGIBMGA014069	87.843	38.741	-1.181	0.0092
BGIBMGA005701	833.799	367.582	-1.182	0.0003
BGIBMGA013407	11.556	5.091	-1.183	0.0098
BGIBMGA007821	76.313	33.593	-1.184	0.0003
BGIBMGA001482	1230.200	541.426	-1.184	0.0147
BGIBMGA002804	24.548	10.804	-1.184	0.0088
BGIBMGA002691	70.156	30.853	-1.185	0.0005
BGIBMGA007388	106.323	46.729	-1.186	0.0003
BGIBMGA009371	13.757	6.044	-1.187	0.0050
BGIBMGA007314	46.005	20.211	-1.187	0.0007
BGIBMGA000893	29.375	12.893	-1.188	0.0011
BGIBMGA002375	126.736	55.618	-1.188	0.0003
BGIBMGA003046	63.484	27.844	-1.189	0.0003
BGIBMGA000603	21.849	9.577	-1.190	0.0017
BGIBMGA005016	14.486	6.346	-1.191	0.0130
BGIBMGA007964	678.985	297.450	-1.191	0.0003
BGIBMGA003620	18.894	8.266	-1.193	0.0005
BGIBMGA010018	7.010	3.067	-1.193	0.0020
BGIBMGA007768	28.061	12.271	-1.193	0.0074
BGIBMGA007035	49.570	21.676	-1.193	0.0022
BGIBMGA000551	427.646	186.996	-1.193	0.0015
BGIBMGA010135	60.033	26.249	-1.193	0.0003
BGIBMGA003928	16.926	7.398	-1.194	0.0011
BGIBMGA007205	520.158	227.320	-1.194	0.0013
BGIBMGA011988	293.041	128.033	-1.195	0.0003
BGIBMGA012838	139.313	60.854	-1.195	0.0007
BGIBMGA003106	15.730	6.869	-1.195	0.0024
BGIBMGA011380	10.934	4.773	-1.196	0.0075
BGIBMGA007175	6.946	3.032	-1.196	0.0075
BGIBMGA007939	17.981	7.848	-1.196	0.0432
BGIBMGA012868	85.434	37.280	-1.196	0.0132
BGIBMGA003759	101.847	44.427	-1.197	0.0003
BGIBMGA006729	44.659	19.478	-1.197	0.0033
BGIBMGA007952	19.108	8.334	-1.197	0.0239
BGIBMGA009275	14.661	6.387	-1.199	0.0168
BGIBMGA006601	145.611	63.394	-1.200	0.0003
BGIBMGA012809	54.444	23.699	-1.200	0.0020
BGIBMGA002930	94.285	41.025	-1.201	0.0003
BGIBMGA009104	178.845	77.795	-1.201	0.0003
BGIBMGA013411	47.791	20.788	-1.201	0.0166
BGIBMGA001160	53.388	23.221	-1.201	0.0003

BGIBMGA011364	104.270	45.327	-1.202	0.0005
BGIBMGA001967	24.949	10.836	-1.203	0.0059
BGIBMGA003146	64.467	27.996	-1.203	0.0003
BGIBMGA000062	177.264	76.919	-1.204	0.0003
BGIBMGA006075	45.444	19.717	-1.205	0.0029
BGIBMGA007208	3.708	1.608	-1.205	0.0120
BGIBMGA008364	5.621	2.438	-1.205	0.0437
BGIBMGA007392	76.228	33.049	-1.206	0.0029
BGIBMGA012914	25.526	11.063	-1.206	0.0050
BGIBMGA012658	25.586	11.084	-1.207	0.0027
BGIBMGA007629	847.996	367.093	-1.208	0.0003
BGIBMGA007189	40.812	17.664	-1.208	0.0054
BGIBMGA002950	15.822	6.842	-1.210	0.0088
BGIBMGA000850	20.756	8.973	-1.210	0.0039
BGIBMGA002409	25.343	10.952	-1.210	0.0033
BGIBMGA012639	7.600	3.282	-1.211	0.0202
BGIBMGA002552	53.700	23.186	-1.212	0.0003
BGIBMGA009090	14.482	6.245	-1.213	0.0137
BGIBMGA012082	215.341	92.838	-1.214	0.0003
BGIBMGA013701	19.994	8.613	-1.215	0.0222
BGIBMGA007942	173.834	74.880	-1.215	0.0003
BGIBMGA007718	7.460	3.213	-1.215	0.0042
BGIBMGA008756	32.982	14.204	-1.215	0.0015
BGIBMGA013548	160.725	69.152	-1.217	0.0003
BGIBMGA005598	41.946	18.045	-1.217	0.0228
BGIBMGA012502	11.305	4.863	-1.217	0.0406
BGIBMGA004160	18.319	7.880	-1.217	0.0108
BGIBMGA002392	40.723	17.489	-1.219	0.0202
BGIBMGA003787	79.984	34.346	-1.220	0.0003
BGIBMGA002481	109.004	46.803	-1.220	0.0003
BGIBMGA001602	20.596	8.842	-1.220	0.0151
BGIBMGA000902	127.561	54.747	-1.220	0.0219
BGIBMGA012495	206.612	88.662	-1.221	0.0003
BGIBMGA008543	41.689	17.885	-1.221	0.0404
BGIBMGA003659	22.327	9.574	-1.222	0.0050
BGIBMGA011193	25.581	10.962	-1.223	0.0020
BGIBMGA003722	95.853	41.072	-1.223	0.0083
BGIBMGA004310	8.766	3.755	-1.223	0.0024
BGIBMGA010186	4.410	1.887	-1.224	0.0368
BGIBMGA001789	13.352	5.713	-1.225	0.0047
BGIBMGA008614	21.657	9.265	-1.225	0.0181
BGIBMGA004108	58.713	25.113	-1.225	0.0003
BGIBMGA011672	77.731	33.226	-1.226	0.0013
BGIBMGA003069	89.015	38.035	-1.227	0.0003
BGIBMGA009838	13.217	5.641	-1.228	0.0130
BGIBMGA008766	4.952	2.113	-1.229	0.0050
BGIBMGA003979	8.609	3.671	-1.230	0.0217
BGIBMGA003961	109.915	46.862	-1.230	0.0005
BGIBMGA007769	61.693	26.300	-1.230	0.0013
BGIBMGA009132	4036.060	1719.960	-1.231	0.0003
BGIBMGA004691	141.476	60.286	-1.231	0.0003
BGIBMGA007108	52.845	22.516	-1.231	0.0005
BGIBMGA004699	22.320	9.509	-1.231	0.0044
BGIBMGA001470	68.003	28.967	-1.231	0.0003
BGIBMGA013521	13.795	5.875	-1.231	0.0218
BGIBMGA003278	16.260	6.919	-1.233	0.0020
BGIBMGA013707	29.146	12.398	-1.233	0.0017
BGIBMGA007473	24.085	10.240	-1.234	0.0019
BGIBMGA004188	6.843	2.908	-1.235	0.0385
BGIBMGA011476	100.962	42.900	-1.235	0.0003
BGIBMGA000063	84.333	35.809	-1.236	0.0003
BGIBMGA007135	30.585	12.983	-1.236	0.0009
BGIBMGA007000	91.182	38.688	-1.237	0.0003
BGIBMGA002119	3.961	1.679	-1.238	0.0375
BGIBMGA004873	17.922	7.595	-1.239	0.0042
BGIBMGA009437	29.522	12.507	-1.239	0.0029
BGIBMGA009489	11.580	4.901	-1.240	0.0061
BGIBMGA013381	61.138	25.871	-1.241	0.0088
BGIBMGA008311	10.369	4.387	-1.241	0.0377
BGIBMGA002842	23.934	10.124	-1.241	0.0142
BGIBMGA013119	59.717	25.245	-1.242	0.0015
BGIBMGA007784	28.960	12.239	-1.243	0.0022
BGIBMGA001694	48.332	20.424	-1.243	0.0003
BGIBMGA011240	18.697	7.900	-1.243	0.0066
BGIBMGA001080	553.797	233.968	-1.243	0.0007
BGIBMGA008260	97.881	41.323	-1.244	0.0003
BGIBMGA005050	16.410	6.927	-1.244	0.0051
BGIBMGA008761	16.676	7.038	-1.245	0.0041
BGIBMGA006904	22.876	9.651	-1.245	0.0106
BGIBMGA010414	10.834	4.565	-1.247	0.0346
BGIBMGA009521	44.430	18.716	-1.247	0.0363
BGIBMGA000152	4.921	2.072	-1.248	0.0107
BGIBMGA011439	42.405	17.856	-1.248	0.0035
BGIBMGA006776	9.703	4.083	-1.249	0.0434
BGIBMGA005271	87.188	36.675	-1.249	0.0069
BGIBMGA010592	10.313	4.331	-1.252	0.0188
BGIBMGA007462	24.892	10.450	-1.252	0.0041
BGIBMGA007406	85.633	35.946	-1.252	0.0182
BGIBMGA011381	18.148	7.611	-1.254	0.0166
BGIBMGA004361	10.035	4.207	-1.254	0.0153
BGIBMGA014476	108.583	45.516	-1.254	0.0003
BGIBMGA004407	30.627	12.835	-1.255	0.0025
BGIBMGA004593	52.251	21.893	-1.255	0.0015

BGIBMGA004315	341.258	142.872	-1.256	0.0003
BGIBMGA013801	163.405	68.400	-1.256	0.0003
BGIBMGA009615	30.308	12.685	-1.257	0.0030
BGIBMGA004803	66.409	27.766	-1.258	0.0027
BGIBMGA004193	16.473	6.886	-1.258	0.0005
BGIBMGA008199	149.090	62.271	-1.260	0.0005
BGIBMGA002214	13.955	5.828	-1.260	0.0035
BGIBMGA006884	110.985	46.266	-1.262	0.0003
BGIBMGA012087	33.479	13.955	-1.262	0.0103
BGIBMGA004971	42.644	17.772	-1.263	0.0003
BGIBMGA006967	57.847	24.107	-1.263	0.0003
BGIBMGA003676	120.341	50.148	-1.263	0.0003
BGIBMGA000963	40.670	16.940	-1.264	0.0003
BGIBMGA004498	780.754	325.177	-1.264	0.0395
BGIBMGA005718	216.903	90.328	-1.264	0.0005
BGIBMGA008625	62.054	25.835	-1.264	0.0003
BGIBMGA008249	15.870	6.604	-1.265	0.0062
BGIBMGA008596	145.792	60.623	-1.266	0.0003
BGIBMGA010848	26.419	10.978	-1.267	0.0347
BGIBMGA013675	59.511	24.715	-1.268	0.0013
BGIBMGA004592	103.306	42.901	-1.268	0.0003
BGIBMGA014236	11.412	4.738	-1.268	0.0038
BGIBMGA000855	19.039	7.903	-1.268	0.0003
BGIBMGA001001	51.993	21.573	-1.269	0.0103
BGIBMGA010951	21.245	8.814	-1.269	0.0024
BGIBMGA007949	50.610	20.993	-1.270	0.0003
BGIBMGA013322	86.478	35.870	-1.270	0.0013
BGIBMGA013053	55.129	22.861	-1.270	0.0003
BGIBMGA007030	16.390	6.796	-1.270	0.0048
BGIBMGA001608	31.080	12.887	-1.270	0.0027
BGIBMGA006463	412.468	170.947	-1.271	0.0003
BGIBMGA008122	9.169	3.800	-1.271	0.0166
BGIBMGA009534	37.181	15.408	-1.271	0.0003
BGIBMGA009660	26.965	11.174	-1.271	0.0005
BGIBMGA013460	9.050	3.748	-1.272	0.0331
BGIBMGA007164	29.738	12.314	-1.272	0.0020
BGIBMGA001321	33.522	13.877	-1.272	0.0163
BGIBMGA013814	125.636	51.997	-1.273	0.0003
BGIBMGA007997	110.275	45.612	-1.274	0.0003
BGIBMGA012329	61.881	25.585	-1.274	0.0317
BGIBMGA007656	166.255	68.724	-1.275	0.0022
BGIBMGA007137	60.196	24.877	-1.275	0.0003
BGIBMGA012086	18.492	7.641	-1.275	0.0022
BGIBMGA007439	12.548	5.184	-1.275	0.0179
BGIBMGA006976	184.115	76.018	-1.276	0.0003
BGIBMGA006416	61.744	25.480	-1.277	0.0273
BGIBMGA005268	13.552	5.591	-1.277	0.0007
BGIBMGA004872	11.364	4.687	-1.278	0.0011
BGIBMGA011154	22.038	9.088	-1.278	0.0011
BGIBMGA008634	6.762	2.788	-1.278	0.0134
BGIBMGA009653	255.118	105.177	-1.278	0.0003
BGIBMGA009916	65.637	27.056	-1.279	0.0096
BGIBMGA005629	7.875	3.246	-1.279	0.0005
BGIBMGA012583	88.584	36.513	-1.279	0.0003
BGIBMGA008713	12.291	5.063	-1.280	0.0103
BGIBMGA004686	16.673	6.866	-1.280	0.0035
BGIBMGA011490	28.767	11.846	-1.280	0.0005
BGIBMGA010005	34.425	14.172	-1.280	0.0003
BGIBMGA000461	57.819	23.799	-1.281	0.0007
BGIBMGA003930	129.948	53.479	-1.281	0.0005
BGIBMGA007560	12.717	5.233	-1.281	0.0054
BGIBMGA010171	36.647	15.074	-1.282	0.0003
BGIBMGA001297	14.497	5.963	-1.282	0.0091
BGIBMGA004450	5.077	2.088	-1.282	0.0176
BGIBMGA003086	63.953	26.301	-1.282	0.0003
BGIBMGA006184	81.788	33.621	-1.283	0.0003
BGIBMGA004962	46.294	19.030	-1.283	0.0035
BGIBMGA003385	116.064	47.700	-1.283	0.0003
BGIBMGA014128	40.917	16.813	-1.283	0.0013
BGIBMGA004836	31.014	12.735	-1.284	0.0003
BGIBMGA013603	35.965	14.764	-1.284	0.0005
BGIBMGA001630	13.075	5.362	-1.286	0.0161
BGIBMGA010404	47.692	19.556	-1.286	0.0009
BGIBMGA004390	26.488	10.852	-1.287	0.0336
BGIBMGA001037	87.147	35.700	-1.288	0.0003
BGIBMGA002000	8.181	3.351	-1.288	0.0293
BGIBMGA001406	434.989	178.082	-1.288	0.0003
BGIBMGA010477	46.693	19.110	-1.289	0.0005
BGIBMGA012041	18.956	7.758	-1.289	0.0098
BGIBMGA006669	9.959	4.072	-1.290	0.0003
BGIBMGA012653	21.064	8.610	-1.291	0.0003
BGIBMGA009932	14.763	6.035	-1.291	0.0133
BGIBMGA008999	5.354	2.187	-1.292	0.0144
BGIBMGA009267	32.233	13.163	-1.292	0.0003
BGIBMGA007036	29.176	11.911	-1.292	0.0003
BGIBMGA005752	80.906	33.016	-1.293	0.0003
BGIBMGA006072	41.345	16.870	-1.293	0.0007
BGIBMGA009251	31.068	12.666	-1.295	0.0007
BGIBMGA013313	17.099	6.969	-1.295	0.0145
BGIBMGA011806	2.205	0.898	-1.295	0.0212
BGIBMGA001882	113.361	46.106	-1.298	0.0003
BGIBMGA004335	15.609	6.346	-1.298	0.0135
BGIBMGA000874	17.085	6.945	-1.299	0.0273

BGIBMGA004502	27.163	11.040	-1.299	0.0036
BGIBMGA000814	9.917	4.028	-1.300	0.0015
BGIBMGA011319	26.095	10.595	-1.300	0.0003
BGIBMGA005326	33.388	13.552	-1.301	0.0013
BGIBMGA014370	10.828	4.392	-1.302	0.0025
BGIBMGA004697	28.659	11.623	-1.302	0.0003
BGIBMGA013250	104.844	42.515	-1.302	0.0003
BGIBMGA008273	18.533	7.514	-1.302	0.0159
BGIBMGA005231	31.153	12.627	-1.303	0.0045
BGIBMGA001870	144.009	58.356	-1.303	0.0003
BGIBMGA012803	63.536	25.732	-1.304	0.0003
BGIBMGA002661	120.692	48.868	-1.304	0.0003
BGIBMGA014459	39.562	16.015	-1.305	0.0011
BGIBMGA007786	19.557	7.909	-1.306	0.0210
BGIBMGA006929	49.402	19.971	-1.307	0.0007
BGIBMGA006217	89.494	36.171	-1.307	0.0003
BGIBMGA002692	70.176	28.339	-1.308	0.0003
BGIBMGA007219	24.085	9.723	-1.309	0.0024
BGIBMGA006767	42.809	17.279	-1.309	0.0007
BGIBMGA009597	7.018	2.832	-1.309	0.0119
BGIBMGA001683	37.244	15.030	-1.309	0.0009
BGIBMGA002032	71.952	29.028	-1.310	0.0003
BGIBMGA002625	73.495	29.639	-1.310	0.0003
BGIBMGA003167	6.475	2.611	-1.310	0.0395
BGIBMGA001887	94.106	37.934	-1.311	0.0003
BGIBMGA004161	14.930	6.018	-1.311	0.0279
BGIBMGA000147	46.844	18.868	-1.312	0.0013
BGIBMGA009612	23.026	9.274	-1.312	0.0313
BGIBMGA011067	26.592	10.708	-1.312	0.0017
BGIBMGA011415	12.869	5.181	-1.313	0.0378
BGIBMGA003468	229.439	92.334	-1.313	0.0003
BGIBMGA012896	99.723	40.124	-1.313	0.0003
BGIBMGA006619	20.040	8.058	-1.314	0.0030
BGIBMGA014220	180.822	72.690	-1.315	0.0003
BGIBMGA000129	2583.820	1038.570	-1.315	0.0003
BGIBMGA000244	97.836	39.319	-1.315	0.0003
BGIBMGA010261	40.201	16.154	-1.315	0.0003
BGIBMGA009577	61.296	24.627	-1.316	0.0005
BGIBMGA003263	2.347	0.942	-1.316	0.0262
BGIBMGA003392	41.213	16.549	-1.316	0.0003
BGIBMGA005348	48.051	19.283	-1.317	0.0003
BGIBMGA001077	110.833	44.464	-1.318	0.0003
BGIBMGA011241	22.402	8.980	-1.319	0.0007
BGIBMGA006713	55.140	22.083	-1.320	0.0370
BGIBMGA013813	910.258	364.491	-1.320	0.0003
BGIBMGA009377	105.033	42.054	-1.321	0.0003
BGIBMGA012434	273.356	109.435	-1.321	0.0003
BGIBMGA011333	48.123	19.264	-1.321	0.0013
BGIBMGA005183	32.481	12.998	-1.321	0.0017
BGIBMGA010270	150.819	60.332	-1.322	0.0017
BGIBMGA002380	20.970	8.388	-1.322	0.0065
BGIBMGA009927	11.887	4.752	-1.323	0.0136
BGIBMGA013573	8.594	3.433	-1.324	0.0007
BGIBMGA012662	10.781	4.306	-1.324	0.0052
BGIBMGA003008	74.907	29.913	-1.324	0.0003
BGIBMGA008065	3.347	1.335	-1.326	0.0306
BGIBMGA009962	98.058	39.078	-1.327	0.0003
BGIBMGA003178	95.424	38.014	-1.328	0.0003
BGIBMGA005142	31.531	12.560	-1.328	0.0003
BGIBMGA001985	15.661	6.235	-1.329	0.0017
BGIBMGA014109	15.886	6.325	-1.329	0.0030
BGIBMGA011854	37.203	14.810	-1.329	0.0009
BGIBMGA000363	138.214	54.997	-1.329	0.0013
BGIBMGA001513	29.187	11.612	-1.330	0.0003
BGIBMGA002495	29.343	11.669	-1.330	0.0135
BGIBMGA005500	129.614	51.530	-1.331	0.0003
BGIBMGA012407	73.819	29.335	-1.331	0.0022
BGIBMGA003006	181.244	72.009	-1.332	0.0003
BGIBMGA003782	13.083	5.198	-1.332	0.0240
BGIBMGA007943	16.431	6.527	-1.332	0.0015
BGIBMGA004936	69.073	27.436	-1.332	0.0003
BGIBMGA008433	54.098	21.485	-1.332	0.0005
BGIBMGA011857	43.884	17.424	-1.333	0.0003
BGIBMGA010626	76.987	30.531	-1.334	0.0003
BGIBMGA007920	27.287	10.811	-1.336	0.0266
BGIBMGA011641	79.803	31.608	-1.336	0.0025
BGIBMGA012624	9.471	3.751	-1.336	0.0127
BGIBMGA007725	16.088	6.369	-1.337	0.0228
BGIBMGA006427	12.157	4.812	-1.337	0.0279
BGIBMGA010080	58.191	23.027	-1.338	0.0024
BGIBMGA007986	46.199	18.269	-1.338	0.0007
BGIBMGA011338	72.704	28.723	-1.340	0.0027
BGIBMGA012224	54.943	21.703	-1.340	0.0248
BGIBMGA004673	38.339	15.135	-1.341	0.0032
BGIBMGA008911	34.698	13.697	-1.341	0.0003
BGIBMGA009293	13.390	5.284	-1.341	0.0097
BGIBMGA008586	15.757	6.213	-1.343	0.0029
BGIBMGA012192	280.195	110.474	-1.343	0.0005
BGIBMGA008757	15.267	6.014	-1.344	0.0118
BGIBMGA010830	15.141	5.964	-1.344	0.0003
BGIBMGA007089	57.576	22.678	-1.344	0.0003
BGIBMGA012177	70.491	27.719	-1.347	0.0025
BGIBMGA008910	23.341	9.170	-1.348	0.0025

BGIBMGA008066	26.058	10.236	-1.348	0.0003
BGIBMGA013203	30.789	12.090	-1.349	0.0019
BGIBMGA013125	34.822	13.673	-1.349	0.0041
BGIBMGA006195	28.535	11.204	-1.349	0.0032
BGIBMGA008240	85.423	33.534	-1.349	0.0003
BGIBMGA003965	26.877	10.551	-1.349	0.0293
BGIBMGA005168	43.943	17.250	-1.349	0.0003
BGIBMGA013544	71.375	27.996	-1.350	0.0003
BGIBMGA014294	37.764	14.813	-1.350	0.0013
BGIBMGA014135	306.454	120.174	-1.351	0.0003
BGIBMGA012396	8.422	3.301	-1.351	0.0092
BGIBMGA012338	9.365	3.669	-1.352	0.0003
BGIBMGA003992	16.759	6.564	-1.352	0.0019
BGIBMGA009581	29.807	11.672	-1.353	0.0032
BGIBMGA014057	678.170	265.451	-1.353	0.0003
BGIBMGA003814	47.922	18.749	-1.354	0.0019
BGIBMGA000942	30.886	12.083	-1.354	0.0253
BGIBMGA008339	8.658	3.386	-1.354	0.0074
BGIBMGA008745	3.686	1.441	-1.355	0.0279
BGIBMGA008421	55.530	21.715	-1.355	0.0003
BGIBMGA004877	17.779	6.952	-1.355	0.0015
BGIBMGA005426	57.190	22.355	-1.355	0.0003
BGIBMGA004742	11.337	4.431	-1.355	0.0107
BGIBMGA000666	10.819	4.229	-1.355	0.0249
BGIBMGA006676	48.949	19.124	-1.356	0.0003
BGIBMGA000791	4.036	1.576	-1.357	0.0235
BGIBMGA013262	13.771	5.376	-1.357	0.0109
BGIBMGA012411	18.945	7.390	-1.358	0.0087
BGIBMGA011180	69.879	27.228	-1.360	0.0003
BGIBMGA011370	21.760	8.474	-1.360	0.0003
BGIBMGA004017	19.630	7.644	-1.361	0.0005
BGIBMGA003036	48.809	19.006	-1.361	0.0003
BGIBMGA005649	20.801	8.098	-1.361	0.0011
BGIBMGA005068	762.239	296.723	-1.361	0.0003
BGIBMGA011085	11.612	4.519	-1.361	0.0007
BGIBMGA003766	16.222	6.313	-1.361	0.0007
BGIBMGA008314	95.231	37.062	-1.361	0.0003
BGIBMGA003348	141.803	55.126	-1.363	0.0003
BGIBMGA013482	24.057	9.352	-1.363	0.0007
BGIBMGA011231	25.936	10.079	-1.364	0.0011
BGIBMGA012181	42.083	16.351	-1.364	0.0106
BGIBMGA004989	354.662	137.757	-1.364	0.0003
BGIBMGA004815	49.646	19.271	-1.365	0.0007
BGIBMGA003495	14.668	5.693	-1.366	0.0092
BGIBMGA011155	26.258	10.185	-1.366	0.0241
BGIBMGA007594	342.962	132.972	-1.367	0.0003
BGIBMGA002247	20.792	8.060	-1.367	0.0015
BGIBMGA009496	106.721	41.362	-1.367	0.0003
BGIBMGA010433	13.485	5.216	-1.370	0.0213
BGIBMGA003851	8.620	3.334	-1.370	0.0101
BGIBMGA009181	70.309	27.190	-1.371	0.0003
BGIBMGA011941	12.568	4.858	-1.371	0.0020
BGIBMGA004963	58.291	22.504	-1.373	0.0003
BGIBMGA003192	12.169	4.697	-1.374	0.0104
BGIBMGA010124	3.101	1.197	-1.374	0.0336
BGIBMGA010110	4.146	1.599	-1.374	0.0244
BGIBMGA012693	41.110	15.857	-1.374	0.0003
BGIBMGA000103	348.306	134.320	-1.375	0.0003
BGIBMGA012974	23.561	9.081	-1.376	0.0003
BGIBMGA009000	127.713	49.207	-1.376	0.0003
BGIBMGA006406	2.529	0.974	-1.376	0.0287
BGIBMGA013172	30.180	11.625	-1.376	0.0437
BGIBMGA005626	18.686	7.196	-1.377	0.0025
BGIBMGA003363	19.060	7.330	-1.379	0.0270
BGIBMGA006925	77.302	29.723	-1.379	0.0003
BGIBMGA001689	20.316	7.810	-1.379	0.0020
BGIBMGA002643	76.220	29.298	-1.379	0.0003
BGIBMGA007776	24.897	9.565	-1.380	0.0003
BGIBMGA011372	115.674	44.426	-1.381	0.0054
BGIBMGA014328	37.781	14.498	-1.382	0.0104
BGIBMGA006786	19.934	7.648	-1.382	0.0025
BGIBMGA011883	50.646	19.430	-1.382	0.0011
BGIBMGA007384	25.944	9.951	-1.382	0.0009
BGIBMGA003749	28.173	10.802	-1.383	0.0296
BGIBMGA013823	61.020	23.392	-1.383	0.0003
BGIBMGA014100	64.868	24.865	-1.383	0.0219
BGIBMGA008256	104.865	40.190	-1.384	0.0003
BGIBMGA004808	52.753	20.193	-1.385	0.0003
BGIBMGA011443	30.096	11.516	-1.386	0.0218
BGIBMGA000407	83.704	32.008	-1.387	0.0003
BGIBMGA012235	36.185	13.832	-1.387	0.0005
BGIBMGA002047	13.444	5.134	-1.389	0.0364
BGIBMGA012807	16.822	6.422	-1.389	0.0007
BGIBMGA008073	93.568	35.712	-1.390	0.0003
BGIBMGA005428	90.117	34.388	-1.390	0.0003
BGIBMGA004940	83.581	31.885	-1.390	0.0003
BGIBMGA000966	20.152	7.685	-1.391	0.0070
BGIBMGA009917	17.387	6.630	-1.391	0.0009
BGIBMGA012773	122.592	46.738	-1.391	0.0003
BGIBMGA005974	30.401	11.588	-1.391	0.0025
BGIBMGA009407	25.983	9.897	-1.393	0.0003
BGIBMGA006830	48.433	18.437	-1.393	0.0003
BGIBMGA007432	134.986	51.369	-1.394	0.0005

BGIBMGA014269	175.194	66.596	-1.395	0.0003
BGIBMGA008709	10.633	4.040	-1.396	0.0068
BGIBMGA000932	15.276	5.802	-1.397	0.0013
BGIBMGA003667	30.770	11.682	-1.397	0.0003
BGIBMGA013884	45.217	17.161	-1.398	0.0019
BGIBMGA003041	14.866	5.639	-1.398	0.0011
BGIBMGA006260	675.537	256.115	-1.399	0.0003
BGIBMGA008626	53.372	20.231	-1.400	0.0003
BGIBMGA000705	18.616	7.050	-1.401	0.0005
BGIBMGA005579	15.910	6.022	-1.402	0.0007
BGIBMGA013170	19.515	7.380	-1.403	0.0070
BGIBMGA006136	48.407	18.305	-1.403	0.0048
BGIBMGA001090	86.636	32.747	-1.404	0.0098
BGIBMGA000766	20.270	7.661	-1.404	0.0003
BGIBMGA007425	68.844	26.010	-1.404	0.0003
BGIBMGA002213	8.439	3.186	-1.406	0.0182
BGIBMGA011675	44.832	16.920	-1.406	0.0003
BGIBMGA008707	183.087	69.100	-1.406	0.0005
BGIBMGA000101	31.294	11.808	-1.406	0.0003
BGIBMGA013198	12.554	4.736	-1.406	0.0213
BGIBMGA009549	28.316	10.682	-1.406	0.0036
BGIBMGA003121	122.885	46.354	-1.407	0.0003
BGIBMGA011315	56.746	21.392	-1.407	0.0409
BGIBMGA013401	9.310	3.508	-1.408	0.0181
BGIBMGA005592	365.521	137.703	-1.408	0.0003
BGIBMGA007334	3182.820	1198.670	-1.409	0.0009
BGIBMGA010925	94.453	35.571	-1.409	0.0003
BGIBMGA013655	43.812	16.498	-1.409	0.0003
BGIBMGA009945	13.406	5.046	-1.410	0.0005
BGIBMGA010015	36.675	13.795	-1.411	0.0003
BGIBMGA009911	438.957	165.069	-1.411	0.0003
BGIBMGA001797	84.207	31.665	-1.411	0.0003
BGIBMGA001600	4.568	1.716	-1.413	0.0404
BGIBMGA000579	25.476	9.567	-1.413	0.0042
BGIBMGA005646	45.280	16.990	-1.414	0.0003
BGIBMGA008225	141.778	53.112	-1.417	0.0003
BGIBMGA004120	54.096	20.258	-1.417	0.0003
BGIBMGA010847	29.512	11.032	-1.420	0.0074
BGIBMGA013173	55.219	20.630	-1.420	0.0003
BGIBMGA005062	22.999	8.588	-1.421	0.0015
BGIBMGA005049	9.038	3.371	-1.423	0.0007
BGIBMGA009207	47.187	17.598	-1.423	0.0003
BGIBMGA011427	291.464	108.697	-1.423	0.0003
BGIBMGA011030	17.732	6.611	-1.423	0.0005
BGIBMGA001782	150.393	56.070	-1.423	0.0439
BGIBMGA005540	10.344	3.856	-1.424	0.0047
BGIBMGA000535	16.649	6.204	-1.424	0.0078
BGIBMGA004314	7.211	2.686	-1.425	0.0075
BGIBMGA008001	40.723	15.171	-1.425	0.0003
BGIBMGA013096	663.595	246.839	-1.427	0.0003
BGIBMGA013609	13.575	5.048	-1.427	0.0079
BGIBMGA006082	11.717	4.356	-1.427	0.0044
BGIBMGA010132	15.969	5.932	-1.429	0.0003
BGIBMGA013251	99.684	37.008	-1.430	0.0003
BGIBMGA011017	40.593	15.061	-1.430	0.0007
BGIBMGA008290	44.348	16.450	-1.431	0.0005
BGIBMGA006162	104.571	38.768	-1.432	0.0003
BGIBMGA012267	48.593	18.014	-1.432	0.0003
BGIBMGA001075	76.369	28.310	-1.432	0.0003
BGIBMGA005483	21.418	7.937	-1.432	0.0003
BGIBMGA010263	6.895	2.554	-1.433	0.0017
BGIBMGA008357	29.636	10.976	-1.433	0.0421
BGIBMGA013390	34.932	12.937	-1.433	0.0188
BGIBMGA009850	19.331	7.159	-1.433	0.0003
BGIBMGA009500	27.341	10.112	-1.435	0.0003
BGIBMGA010779	4.226	1.563	-1.435	0.0044
BGIBMGA010332	3.873	1.431	-1.436	0.0064
BGIBMGA001610	8.842	3.265	-1.437	0.0062
BGIBMGA009725	34.159	12.603	-1.438	0.0003
BGIBMGA004611	34.323	12.662	-1.439	0.0032
BGIBMGA013423	7.251	2.673	-1.440	0.0003
BGIBMGA005059	8.798	3.243	-1.440	0.0138
BGIBMGA002990	61.466	22.651	-1.440	0.0015
BGIBMGA001074	20.279	7.468	-1.441	0.0003
BGIBMGA005624	18.898	6.955	-1.442	0.0068
BGIBMGA002876	10.312	3.795	-1.442	0.0159
BGIBMGA011463	30.391	11.176	-1.443	0.0027
BGIBMGA006138	61.421	22.587	-1.443	0.0072
BGIBMGA005708	15.697	5.768	-1.444	0.0195
BGIBMGA001423	12.257	4.503	-1.445	0.0003
BGIBMGA009946	11.087	4.071	-1.445	0.0005
BGIBMGA001704	30.761	11.294	-1.446	0.0003
BGIBMGA006798	21.935	8.052	-1.446	0.0083
BGIBMGA001123	63.272	23.216	-1.446	0.0003
BGIBMGA008154	42.076	15.436	-1.447	0.0003
BGIBMGA008124	4.647	1.704	-1.447	0.0176
BGIBMGA005759	19.810	7.263	-1.447	0.0005
BGIBMGA000941	19.613	7.190	-1.448	0.0167
BGIBMGA011506	34.399	12.603	-1.449	0.0005
BGIBMGA014397	5.577	2.043	-1.449	0.0307
BGIBMGA002426	5.170	1.893	-1.449	0.0346
BGIBMGA002977	13.789	5.048	-1.450	0.0097
BGIBMGA008924	21.308	7.801	-1.450	0.0003

BGIBMGA012283	20.073	7.343	-1.451	0.0003
BGIBMGA006368	34.940	12.773	-1.452	0.0003
BGIBMGA005846	52.375	19.144	-1.452	0.0166
BGIBMGA005315	319.493	116.778	-1.452	0.0003
BGIBMGA001405	37.401	13.666	-1.452	0.0011
BGIBMGA010327	39.921	14.585	-1.453	0.0003
BGIBMGA008410	6.518	2.381	-1.453	0.0376
BGIBMGA003776	23.081	8.428	-1.454	0.0032
BGIBMGA008100	419.189	152.988	-1.454	0.0003
BGIBMGA002705	74.966	27.346	-1.455	0.0003
BGIBMGA000180	7.316	2.668	-1.455	0.0027
BGIBMGA001744	33.881	12.353	-1.456	0.0003
BGIBMGA008957	131.470	47.930	-1.456	0.0003
BGIBMGA001370	24.273	8.848	-1.456	0.0003
BGIBMGA000827	19.427	7.078	-1.457	0.0066
BGIBMGA012842	34.520	12.560	-1.459	0.0171
BGIBMGA010636	19.408	7.059	-1.459	0.0003
BGIBMGA009367	19.471	7.082	-1.459	0.0019
BGIBMGA005570	89.442	32.509	-1.460	0.0003
BGIBMGA003636	22.878	8.315	-1.460	0.0148
BGIBMGA004774	25.164	9.144	-1.460	0.0003
BGIBMGA005645	54.988	19.979	-1.461	0.0025
BGIBMGA003985	696.934	253.110	-1.461	0.0003
BGIBMGA002363	139.249	50.513	-1.463	0.0003
BGIBMGA008413	17.675	6.408	-1.464	0.0003
BGIBMGA002596	56.731	20.560	-1.464	0.0003
BGIBMGA009384	45.614	16.529	-1.465	0.0003
BGIBMGA001352	94.160	34.119	-1.465	0.0005
BGIBMGA001127	17.805	6.451	-1.465	0.0432
BGIBMGA005277	128.723	46.621	-1.465	0.0013
BGIBMGA001250	20.925	7.577	-1.466	0.0052
BGIBMGA012130	33.518	12.136	-1.466	0.0013
BGIBMGA007371	43.174	15.627	-1.466	0.0059
BGIBMGA005269	10.896	3.943	-1.466	0.0005
BGIBMGA013336	4.156	1.504	-1.467	0.0156
BGIBMGA001954	363.716	131.555	-1.467	0.0003
BGIBMGA005353	84.700	30.629	-1.467	0.0003
BGIBMGA011263	133.500	48.275	-1.468	0.0030
BGIBMGA007631	57.465	20.778	-1.468	0.0003
BGIBMGA011642	52.456	18.960	-1.468	0.0074
BGIBMGA001659	24.279	8.775	-1.468	0.0398
BGIBMGA006073	583.210	210.790	-1.468	0.0210
BGIBMGA008263	27.612	9.977	-1.469	0.0041
BGIBMGA007840	80.643	29.134	-1.469	0.0003
BGIBMGA012543	16.543	5.976	-1.469	0.0003
BGIBMGA003633	34.282	12.384	-1.469	0.0011
BGIBMGA012631	10.550	3.810	-1.469	0.0003
BGIBMGA003403	30.342	10.956	-1.470	0.0003
BGIBMGA001722	24.196	8.729	-1.471	0.0005
BGIBMGA005433	37.610	13.564	-1.471	0.0007
BGIBMGA014558	39.236	14.145	-1.472	0.0019
BGIBMGA003094	9.328	3.362	-1.472	0.0144
BGIBMGA011982	18.348	6.611	-1.473	0.0003
BGIBMGA001675	10.840	3.905	-1.473	0.0003
BGIBMGA008958	17.430	6.277	-1.473	0.0005
BGIBMGA000517	12.292	4.427	-1.473	0.0003
BGIBMGA008094	12.084	4.350	-1.474	0.0162
BGIBMGA012071	34.604	12.435	-1.477	0.0017
BGIBMGA007090	188.794	67.841	-1.477	0.0003
BGIBMGA002066	2.678	0.962	-1.477	0.0273
BGIBMGA006093	89.476	32.146	-1.477	0.0003
BGIBMGA011278	67.024	24.073	-1.477	0.0003
BGIBMGA013346	4.136	1.485	-1.478	0.0052
BGIBMGA001874	1153.510	413.932	-1.479	0.0003
BGIBMGA004625	7.360	2.641	-1.479	0.0058
BGIBMGA000178	25.099	9.002	-1.479	0.0066
BGIBMGA000950	77.426	27.750	-1.480	0.0003
BGIBMGA001666	36.008	12.903	-1.481	0.0003
BGIBMGA009332	42.016	15.055	-1.481	0.0003
BGIBMGA001408	9.739	3.489	-1.481	0.0068
BGIBMGA013502	31.100	11.142	-1.481	0.0003
BGIBMGA014503	49.972	17.899	-1.481	0.0003
BGIBMGA007834	36.836	13.191	-1.482	0.0003
BGIBMGA010079	21.298	7.627	-1.482	0.0022
BGIBMGA005836	10.435	3.734	-1.483	0.0312
BGIBMGA011531	249.665	89.339	-1.483	0.0003
BGIBMGA009702	11.816	4.223	-1.485	0.0052
BGIBMGA010599	13.936	4.979	-1.485	0.0032
BGIBMGA011238	18.710	6.681	-1.486	0.0009
BGIBMGA001713	91.325	32.602	-1.486	0.0003
BGIBMGA010138	18.607	6.640	-1.487	0.0003
BGIBMGA006382	3.973	1.418	-1.487	0.0328
BGIBMGA006557	16.484	5.880	-1.487	0.0003
BGIBMGA005805	16.410	5.851	-1.488	0.0005
BGIBMGA005306	36.511	13.012	-1.488	0.0003
BGIBMGA005960	8.117	2.892	-1.489	0.0377
BGIBMGA005077	18.695	6.657	-1.490	0.0058
BGIBMGA010853	71.734	25.543	-1.490	0.0129
BGIBMGA005802	20.307	7.228	-1.490	0.0138
BGIBMGA001883	25.408	9.042	-1.491	0.0052
BGIBMGA000654	4.273	1.520	-1.491	0.0412
BGIBMGA011223	17.375	6.180	-1.491	0.0003
BGIBMGA005860	439.939	156.345	-1.493	0.0003

BGIBMGA007044	63.416	22.518	-1.494	0.0003
BGIBMGA010683	9.866	3.503	-1.494	0.0064
BGIBMGA010439	84.510	29.993	-1.495	0.0066
BGIBMGA003882	174.031	61.708	-1.496	0.0003
BGIBMGA005777	46.258	16.390	-1.497	0.0003
BGIBMGA004241	28.506	10.097	-1.497	0.0003
BGIBMGA002863	21.966	7.776	-1.498	0.0003
BGIBMGA010785	14.359	5.083	-1.498	0.0003
BGIBMGA010158	38.086	13.479	-1.499	0.0009
BGIBMGA013614	11.595	4.103	-1.499	0.0039
BGIBMGA001164	189.293	66.955	-1.499	0.0003
BGIBMGA004696	20.526	7.258	-1.500	0.0020
BGIBMGA002740	48.523	17.155	-1.500	0.0133
BGIBMGA012882	14.012	4.951	-1.501	0.0027
BGIBMGA010267	13.200	4.662	-1.502	0.0030
BGIBMGA000069	44.345	15.625	-1.505	0.0003
BGIBMGA013142	95.748	33.730	-1.505	0.0003
BGIBMGA012247	9.407	3.313	-1.505	0.0017
BGIBMGA010283	18.733	6.598	-1.505	0.0003
BGIBMGA004350	52.599	18.523	-1.506	0.0058
BGIBMGA013066	23.898	8.414	-1.506	0.0336
BGIBMGA003314	19.271	6.784	-1.506	0.0003
BGIBMGA006911	2.247	0.790	-1.507	0.0423
BGIBMGA008430	28.769	10.112	-1.508	0.0259
BGIBMGA011993	24.106	8.470	-1.509	0.0003
BGIBMGA002824	16.600	5.830	-1.510	0.0003
BGIBMGA012949	27.844	9.767	-1.511	0.0019
BGIBMGA007945	110.037	38.594	-1.512	0.0003
BGIBMGA004379	62.702	21.984	-1.512	0.0003
BGIBMGA011691	171.924	60.272	-1.512	0.0003
BGIBMGA009862	24.660	8.645	-1.512	0.0125
BGIBMGA006461	35.292	12.369	-1.513	0.0003
BGIBMGA012240	104.652	36.653	-1.514	0.0003
BGIBMGA013027	18.126	6.347	-1.514	0.0032
BGIBMGA013590	53.005	18.555	-1.514	0.0003
BGIBMGA007245	63.104	22.088	-1.514	0.0003
BGIBMGA003606	108.952	38.130	-1.515	0.0003
BGIBMGA012076	100.804	35.267	-1.515	0.0003
BGIBMGA000573	27.164	9.503	-1.515	0.0042
BGIBMGA009570	86.097	30.098	-1.516	0.0003
BGIBMGA004453	15.275	5.339	-1.516	0.0057
BGIBMGA001553	182.552	63.773	-1.517	0.0003
BGIBMGA003157	51.021	17.813	-1.518	0.0003
BGIBMGA002296	37.076	12.944	-1.518	0.0052
BGIBMGA009308	93.935	32.793	-1.518	0.0003
BGIBMGA000359	7.669	2.677	-1.518	0.0054
BGIBMGA008820	4.374	1.527	-1.519	0.0391
BGIBMGA003778	10.893	3.802	-1.519	0.0130
BGIBMGA014062	14.408	5.028	-1.519	0.0113
BGIBMGA004021	328.160	114.475	-1.519	0.0003
BGIBMGA011262	14.246	4.968	-1.520	0.0036
BGIBMGA012034	40.839	14.239	-1.520	0.0003
BGIBMGA007847	37.416	13.037	-1.521	0.0005
BGIBMGA004187	8.680	3.023	-1.521	0.0098
BGIBMGA007152	24.052	8.360	-1.525	0.0009
BGIBMGA003354	5.044	1.751	-1.527	0.0232
BGIBMGA013413	10140.600	3519.430	-1.527	0.0003
BGIBMGA005962	17.698	6.142	-1.527	0.0019
BGIBMGA009009	30.993	10.751	-1.528	0.0009
BGIBMGA009014	17.866	6.197	-1.528	0.0020
BGIBMGA002120	12.714	4.410	-1.528	0.0047
BGIBMGA011222	13.283	4.604	-1.529	0.0003
BGIBMGA006642	6.667	2.310	-1.529	0.0115
BGIBMGA002480	84.431	29.250	-1.529	0.0003
BGIBMGA002410	84.336	29.216	-1.529	0.0044
BGIBMGA012158	15.521	5.367	-1.532	0.0003
BGIBMGA001996	67.064	23.186	-1.532	0.0003
BGIBMGA012464	7.137	2.467	-1.532	0.0104
BGIBMGA002707	190.265	65.776	-1.532	0.0125
BGIBMGA012742	11.916	4.118	-1.533	0.0395
BGIBMGA003188	15.885	5.489	-1.533	0.0005
BGIBMGA010343	35.741	12.340	-1.534	0.0003
BGIBMGA004062	15.206	5.249	-1.534	0.0042
BGIBMGA008002	131.737	45.440	-1.536	0.0003
BGIBMGA005525	9.317	3.212	-1.536	0.0045
BGIBMGA001751	84.920	29.263	-1.537	0.0003
BGIBMGA002914	27.155	9.354	-1.537	0.0003
BGIBMGA000760	35.472	12.215	-1.538	0.0003
BGIBMGA009451	32.240	11.102	-1.538	0.0103
BGIBMGA006551	29.508	10.160	-1.538	0.0003
BGIBMGA011860	441.656	152.068	-1.538	0.0003
BGIBMGA009898	5.579	1.920	-1.539	0.0103
BGIBMGA012096	95.050	32.708	-1.539	0.0003
BGIBMGA001580	40.652	13.987	-1.539	0.0005
BGIBMGA008007	110.026	37.856	-1.539	0.0003
BGIBMGA004430	17.720	6.093	-1.540	0.0022
BGIBMGA001079	51.845	17.809	-1.542	0.0003
BGIBMGA001338	58.647	20.142	-1.542	0.0003
BGIBMGA010721	50.642	17.389	-1.542	0.0003
BGIBMGA013718	12.605	4.326	-1.543	0.0009
BGIBMGA013178	69.222	23.750	-1.543	0.0003
BGIBMGA014377	79.910	27.413	-1.544	0.0055
BGIBMGA006844	14.370	4.929	-1.544	0.0003

BGIBMGA003470	27.361	9.381	-1.544	0.0003
BGIBMGA012622	16.783	5.751	-1.545	0.0015
BGIBMGA014440	62.981	21.576	-1.545	0.0005
BGIBMGA000410	52.595	18.011	-1.546	0.0003
BGIBMGA009279	3.995	1.368	-1.546	0.0042
BGIBMGA000313	9.545	3.267	-1.547	0.0275
BGIBMGA006639	53.790	18.408	-1.547	0.0035
BGIBMGA006459	247.668	84.738	-1.547	0.0015
BGIBMGA001392	30.881	10.559	-1.548	0.0099
BGIBMGA011069	26.025	8.896	-1.549	0.0003
BGIBMGA006283	1.316	0.450	-1.549	0.0233
BGIBMGA004949	36.194	12.369	-1.549	0.0003
BGIBMGA010165	20.840	7.121	-1.549	0.0003
BGIBMGA011018	18.911	6.462	-1.549	0.0041
BGIBMGA007220	32.448	11.084	-1.550	0.0011
BGIBMGA004163	138.867	47.420	-1.550	0.0003
BGIBMGA012504	3.803	1.299	-1.550	0.0369
BGIBMGA003464	61.044	20.834	-1.551	0.0003
BGIBMGA001069	14.811	5.049	-1.553	0.0005
BGIBMGA006298	15.781	5.376	-1.553	0.0047
BGIBMGA002841	38.971	13.269	-1.554	0.0003
BGIBMGA003110	20.504	6.981	-1.554	0.0044
BGIBMGA001936	23.366	7.954	-1.555	0.0003
BGIBMGA005852	48.779	16.603	-1.555	0.0039
BGIBMGA004666	223.021	75.900	-1.555	0.0003
BGIBMGA012806	42.930	14.608	-1.555	0.0003
BGIBMGA003093	11.598	3.945	-1.556	0.0119
BGIBMGA000112	114.022	38.777	-1.556	0.0246
BGIBMGA005526	28.986	9.857	-1.556	0.0003
BGIBMGA001706	18.859	6.412	-1.556	0.0003
BGIBMGA000001	17.025	5.787	-1.557	0.0019
BGIBMGA003068	100.080	34.000	-1.558	0.0003
BGIBMGA000864	21.159	7.188	-1.558	0.0003
BGIBMGA005344	25.585	8.689	-1.558	0.0097
BGIBMGA013848	12.205	4.144	-1.558	0.0106
BGIBMGA000815	14.728	5.000	-1.558	0.0029
BGIBMGA004895	12.298	4.175	-1.559	0.0395
BGIBMGA013403	7.099	2.408	-1.560	0.0009
BGIBMGA007199	8.509	2.886	-1.560	0.0041
BGIBMGA012712	10.838	3.675	-1.560	0.0048
BGIBMGA004423	31.364	10.633	-1.561	0.0003
BGIBMGA001087	220.243	74.561	-1.563	0.0372
BGIBMGA007975	36.594	12.383	-1.563	0.0003
BGIBMGA001884	27.175	9.182	-1.565	0.0003
BGIBMGA007730	119.248	40.267	-1.566	0.0003
BGIBMGA001064	15.319	5.172	-1.567	0.0013
BGIBMGA007440	126.423	42.672	-1.567	0.0003
BGIBMGA012898	166.411	56.152	-1.567	0.0003
BGIBMGA007423	174.181	58.756	-1.568	0.0003
BGIBMGA004391	39.198	13.221	-1.568	0.0003
BGIBMGA000420	18.934	6.381	-1.569	0.0025
BGIBMGA009522	30.774	10.371	-1.569	0.0011
BGIBMGA000139	26.980	9.092	-1.569	0.0198
BGIBMGA007455	53.721	18.092	-1.570	0.0003
BGIBMGA001695	48.902	16.468	-1.570	0.0003
BGIBMGA012935	135.774	45.724	-1.570	0.0003
BGIBMGA004739	75.336	25.342	-1.572	0.0003
BGIBMGA005553	33.044	11.106	-1.573	0.0269
BGIBMGA011965	186.546	62.631	-1.575	0.0003
BGIBMGA013396	16.818	5.644	-1.575	0.0017
BGIBMGA011671	31.524	10.576	-1.576	0.0003
BGIBMGA009619	108.785	36.487	-1.576	0.0003
BGIBMGA010002	2.828	0.948	-1.576	0.0118
BGIBMGA013202	64.896	21.754	-1.577	0.0003
BGIBMGA006517	63.119	21.150	-1.577	0.0003
BGIBMGA001282	101.749	34.091	-1.578	0.0003
BGIBMGA009188	15.369	5.149	-1.578	0.0009
BGIBMGA006891	42.731	14.312	-1.578	0.0003
BGIBMGA012582	99.013	33.161	-1.578	0.0003
BGIBMGA006913	16.818	5.632	-1.578	0.0024
BGIBMGA011048	2.559	0.857	-1.578	0.0262
BGIBMGA006617	50.607	16.933	-1.579	0.0003
BGIBMGA007785	68.137	22.799	-1.579	0.0003
BGIBMGA001342	261.462	87.357	-1.582	0.0003
BGIBMGA000285	4.382	1.464	-1.582	0.0261
BGIBMGA000193	54.631	18.245	-1.582	0.0017
BGIBMGA003217	64.087	21.392	-1.583	0.0003
BGIBMGA005576	609.844	203.381	-1.584	0.0003
BGIBMGA003472	106.688	35.568	-1.585	0.0003
BGIBMGA010602	36.784	12.262	-1.585	0.0003
BGIBMGA005756	8.254	2.750	-1.586	0.0226
BGIBMGA007938	28.847	9.607	-1.586	0.0003
BGIBMGA003378	21.158	7.044	-1.587	0.0003
BGIBMGA007928	20.477	6.816	-1.587	0.0003
BGIBMGA004918	145.378	48.375	-1.587	0.0051
BGIBMGA012711	41.578	13.828	-1.588	0.0003
BGIBMGA006249	39.423	13.107	-1.589	0.0087
BGIBMGA008760	10.731	3.566	-1.589	0.0044
BGIBMGA007937	15.175	5.042	-1.590	0.0003
BGIBMGA010904	23.479	7.785	-1.593	0.0020
BGIBMGA003215	68.311	22.650	-1.593	0.0003
BGIBMGA005883	39.280	13.024	-1.593	0.0003
BGIBMGA002694	28.732	9.523	-1.593	0.0003

BGIBMGA009638	17.767	5.887	-1.594	0.0033
BGIBMGA005523	51.995	17.215	-1.595	0.0003
BGIBMGA005838	64.484	21.344	-1.595	0.0003
BGIBMGA013405	13.191	4.365	-1.596	0.0253
BGIBMGA006259	111.515	36.879	-1.596	0.0007
BGIBMGA006424	100.132	33.087	-1.598	0.0003
BGIBMGA003388	32.612	10.775	-1.598	0.0013
BGIBMGA010850	164.005	54.148	-1.599	0.0003
BGIBMGA011483	24.599	8.120	-1.599	0.0038
BGIBMGA003914	25.017	8.258	-1.599	0.0003
BGIBMGA002590	14.880	4.908	-1.600	0.0059
BGIBMGA010271	27.025	8.914	-1.600	0.0003
BGIBMGA003607	149.788	49.385	-1.601	0.0003
BGIBMGA001052	41.409	13.652	-1.601	0.0024
BGIBMGA004972	102.290	33.721	-1.601	0.0005
BGIBMGA007511	32.275	10.637	-1.601	0.0003
BGIBMGA007868	578.880	190.750	-1.602	0.0003
BGIBMGA009425	57.002	18.771	-1.603	0.0003
BGIBMGA006552	112.740	37.125	-1.603	0.0003
BGIBMGA004279	18.258	6.009	-1.603	0.0003
BGIBMGA008424	51.450	16.925	-1.604	0.0003
BGIBMGA014270	264.745	87.073	-1.604	0.0003
BGIBMGA009015	4.862	1.599	-1.605	0.0176
BGIBMGA003894	80.687	26.510	-1.606	0.0003
BGIBMGA013771	8.369	2.747	-1.607	0.0025
BGIBMGA001371	27.372	8.984	-1.607	0.0003
BGIBMGA011597	68.682	22.541	-1.607	0.0017
BGIBMGA012049	26.831	8.803	-1.608	0.0270
BGIBMGA004109	110.457	36.237	-1.608	0.0003
BGIBMGA003484	59.431	19.494	-1.608	0.0003
BGIBMGA008251	11.273	3.697	-1.609	0.0171
BGIBMGA011911	102.496	33.606	-1.609	0.0003
BGIBMGA011902	31.578	10.352	-1.609	0.0003
BGIBMGA011684	10.742	3.521	-1.609	0.0201
BGIBMGA001717	34.066	11.164	-1.610	0.0003
BGIBMGA003443	15.222	4.979	-1.612	0.0003
BGIBMGA003895	2.650	0.867	-1.613	0.0198
BGIBMGA011489	4.440	1.451	-1.613	0.0240
BGIBMGA004845	7.386	2.414	-1.613	0.0003
BGIBMGA014482	167.645	54.772	-1.614	0.0366
BGIBMGA005226	4.159	1.358	-1.615	0.0232
BGIBMGA001776	8.883	2.900	-1.615	0.0007
BGIBMGA003376	9.730	3.174	-1.616	0.0077
BGIBMGA012843	46.444	15.144	-1.617	0.0003
BGIBMGA004961	83.563	27.245	-1.617	0.0019
BGIBMGA007623	12.593	4.103	-1.618	0.0185
BGIBMGA014441	56.464	18.395	-1.618	0.0003
BGIBMGA003775	17.551	5.717	-1.618	0.0036
BGIBMGA005549	21.495	6.998	-1.619	0.0003
BGIBMGA002107	22.762	7.408	-1.619	0.0003
BGIBMGA007963	24.501	7.971	-1.620	0.0003
BGIBMGA001719	3.996	1.299	-1.621	0.0393
BGIBMGA013035	5.484	1.782	-1.622	0.0177
BGIBMGA010804	50.592	16.417	-1.624	0.0003
BGIBMGA012113	10.257	3.326	-1.625	0.0268
BGIBMGA006808	16.518	5.355	-1.625	0.0003
BGIBMGA010670	66.211	21.465	-1.625	0.0003
BGIBMGA013922	14.701	4.766	-1.625	0.0003
BGIBMGA011498	13.701	4.441	-1.625	0.0072
BGIBMGA010067	55.900	18.116	-1.626	0.0003
BGIBMGA011215	29.556	9.576	-1.626	0.0003
BGIBMGA002649	81.139	26.287	-1.626	0.0003
BGIBMGA005333	70.673	22.887	-1.627	0.0003
BGIBMGA000031	36.934	11.960	-1.627	0.0003
BGIBMGA002519	6.549	2.120	-1.627	0.0085
BGIBMGA008896	155.444	50.303	-1.628	0.0003
BGIBMGA014110	52.247	16.894	-1.629	0.0003
BGIBMGA006473	22.882	7.398	-1.629	0.0005
BGIBMGA006609	39.746	12.833	-1.631	0.0003
BGIBMGA006621	8.825	2.846	-1.632	0.0009
BGIBMGA003788	71.079	22.918	-1.633	0.0003
BGIBMGA008583	6.693	2.157	-1.633	0.0219
BGIBMGA013450	146.675	47.268	-1.634	0.0003
BGIBMGA006851	129.014	41.567	-1.634	0.0003
BGIBMGA004702	21.193	6.821	-1.636	0.0024
BGIBMGA003351	79.061	25.411	-1.638	0.0003
BGIBMGA003822	59.310	19.062	-1.638	0.0003
BGIBMGA003679	3.045	0.978	-1.638	0.0075
BGIBMGA003727	297.525	95.561	-1.639	0.0003
BGIBMGA010092	15.688	5.036	-1.639	0.0024
BGIBMGA012782	16.633	5.336	-1.640	0.0015
BGIBMGA013978	3.595	1.153	-1.640	0.0380
BGIBMGA010333	174.779	56.001	-1.642	0.0003
BGIBMGA003638	19.974	6.397	-1.643	0.0246
BGIBMGA010279	24.819	7.946	-1.643	0.0003
BGIBMGA000651	21.692	6.944	-1.643	0.0294
BGIBMGA001579	42.382	13.566	-1.643	0.0003
BGIBMGA014502	13.236	4.235	-1.644	0.0022
BGIBMGA007857	45.255	14.478	-1.644	0.0003
BGIBMGA009701	19683.300	6294.240	-1.645	0.0003
BGIBMGA005282	222.417	71.123	-1.645	0.0003
BGIBMGA006728	68.248	21.820	-1.645	0.0003
BGIBMGA011939	54.209	17.330	-1.645	0.0003

BGIBMGA004849	42.502	13.588	-1.645	0.0003
BGIBMGA007622	43.839	13.997	-1.647	0.0003
BGIBMGA004478	28.413	9.070	-1.647	0.0070
BGIBMGA002551	40.506	12.926	-1.648	0.0003
BGIBMGA012269	69.893	22.284	-1.649	0.0003
BGIBMGA008140	29.271	9.320	-1.651	0.0003
BGIBMGA006528	27.295	8.690	-1.651	0.0007
BGIBMGA001344	37.758	12.011	-1.652	0.0024
BGIBMGA012503	43.863	13.953	-1.652	0.0003
BGIBMGA007134	53.409	16.984	-1.653	0.0068
BGIBMGA008080	70.354	22.351	-1.654	0.0003
BGIBMGA007264	22.192	7.048	-1.655	0.0003
BGIBMGA012638	7.337	2.329	-1.655	0.0057
BGIBMGA002631	51.432	16.322	-1.656	0.0003
BGIBMGA007581	52.629	16.696	-1.656	0.0003
BGIBMGA006689	10.546	3.343	-1.657	0.0003
BGIBMGA008522	33.430	10.588	-1.659	0.0085
BGIBMGA001607	101.126	31.971	-1.661	0.0305
BGIBMGA002573	6.109	1.930	-1.662	0.0068
BGIBMGA006437	8.422	2.660	-1.663	0.0292
BGIBMGA002809	60.961	19.249	-1.663	0.0065
BGIBMGA012318	26.040	8.218	-1.664	0.0024
BGIBMGA002656	11.507	3.628	-1.665	0.0007
BGIBMGA012079	26.232	8.264	-1.666	0.0392
BGIBMGA009811	62.334	19.631	-1.667	0.0047
BGIBMGA003905	22.427	7.060	-1.667	0.0285
BGIBMGA005577	5307.590	1669.760	-1.668	0.0003
BGIBMGA007794	9.733	3.061	-1.669	0.0003
BGIBMGA008194	40.634	12.779	-1.669	0.0024
BGIBMGA013201	3163.670	993.983	-1.670	0.0003
BGIBMGA009201	194.148	60.981	-1.671	0.0003
BGIBMGA006258	38.976	12.236	-1.672	0.0003
BGIBMGA005717	121.149	38.014	-1.672	0.0003
BGIBMGA000057	53.851	16.891	-1.673	0.0073
BGIBMGA005611	12.271	3.847	-1.673	0.0351
BGIBMGA004145	76.385	23.914	-1.675	0.0038
BGIBMGA000498	12.589	3.940	-1.676	0.0170
BGIBMGA001294	6.291	1.969	-1.676	0.0068
BGIBMGA005963	41.504	12.982	-1.677	0.0003
BGIBMGA010650	32.459	10.150	-1.677	0.0003
BGIBMGA013674	2.520	0.788	-1.678	0.0011
BGIBMGA009529	8.981	2.806	-1.678	0.0241
BGIBMGA012932	37.426	11.688	-1.679	0.0003
BGIBMGA003995	16.334	5.097	-1.680	0.0003
BGIBMGA005858	130.370	40.662	-1.681	0.0003
BGIBMGA012988	35.265	10.998	-1.681	0.0253
BGIBMGA007348	33.211	10.355	-1.681	0.0024
BGIBMGA011162	20.542	6.404	-1.681	0.0003
BGIBMGA011657	7.030	2.191	-1.682	0.0024
BGIBMGA002502	14.316	4.459	-1.683	0.0003
BGIBMGA011445	94.186	29.323	-1.684	0.0003
BGIBMGA009767	22.789	7.086	-1.685	0.0022
BGIBMGA000783	81.974	25.471	-1.686	0.0003
BGIBMGA003789	67.372	20.928	-1.687	0.0003
BGIBMGA002757	4.926	1.530	-1.687	0.0073
BGIBMGA000724	733.552	227.766	-1.687	0.0003
BGIBMGA013799	11.831	3.671	-1.688	0.0003
BGIBMGA007048	43.708	13.562	-1.688	0.0027
BGIBMGA005380	224.722	69.691	-1.689	0.0029
BGIBMGA008647	86.942	26.951	-1.690	0.0003
BGIBMGA008292	117.830	36.508	-1.690	0.0003
BGIBMGA010513	21.772	6.745	-1.690	0.0005
BGIBMGA003431	17.262	5.347	-1.691	0.0059
BGIBMGA006027	3.460	1.071	-1.692	0.0051
BGIBMGA007107	95.110	29.423	-1.693	0.0003
BGIBMGA012579	2.940	0.909	-1.694	0.0378
BGIBMGA003295	18.095	5.591	-1.694	0.0009
BGIBMGA002931	242.459	74.847	-1.696	0.0003
BGIBMGA001720	25.229	7.786	-1.696	0.0005
BGIBMGA003071	31.293	9.655	-1.697	0.0003
BGIBMGA014562	40.367	12.434	-1.699	0.0003
BGIBMGA012588	21.999	6.770	-1.700	0.0054
BGIBMGA002839	142.087	43.710	-1.701	0.0003
BGIBMGA008853	54.820	16.836	-1.703	0.0003
BGIBMGA005052	74.400	22.833	-1.704	0.0003
BGIBMGA008948	33.823	10.377	-1.705	0.0003
BGIBMGA012548	21.433	6.575	-1.705	0.0003
BGIBMGA008344	70.157	21.506	-1.706	0.0024
BGIBMGA004712	34.335	10.522	-1.706	0.0003
BGIBMGA002026	18.111	5.549	-1.707	0.0341
BGIBMGA001564	9.283	2.843	-1.707	0.0050
BGIBMGA002483	10.950	3.351	-1.708	0.0003
BGIBMGA008802	15.713	4.809	-1.708	0.0052
BGIBMGA004093	33.318	10.193	-1.709	0.0003
BGIBMGA009555	46.324	14.170	-1.709	0.0036
BGIBMGA013893	1.985	0.607	-1.710	0.0134
BGIBMGA006942	16.878	5.153	-1.712	0.0059
BGIBMGA011528	55.749	17.010	-1.713	0.0003
BGIBMGA006040	26.835	8.186	-1.713	0.0003
BGIBMGA011160	9.122	2.782	-1.713	0.0119
BGIBMGA002703	15.976	4.872	-1.713	0.0230
BGIBMGA002491	34.440	10.499	-1.714	0.0003
BGIBMGA006909	55.294	16.855	-1.714	0.0003

BGIBMGA000373	44.762	13.630	-1.716	0.0003
BGIBMGA006092	55.245	16.810	-1.717	0.0185
BGIBMGA001779	9.198	2.796	-1.718	0.0055
BGIBMGA013485	15.603	4.742	-1.718	0.0003
BGIBMGA008408	222.378	67.530	-1.719	0.0003
BGIBMGA009409	226.950	68.902	-1.720	0.0003
BGIBMGA009550	46.518	14.109	-1.721	0.0003
BGIBMGA006036	23.596	7.150	-1.723	0.0003
BGIBMGA001598	34.109	10.335	-1.723	0.0011
BGIBMGA001126	570.628	172.845	-1.723	0.0003
BGIBMGA011603	15.518	4.692	-1.726	0.0003
BGIBMGA006504	8.705	2.630	-1.727	0.0224
BGIBMGA007018	34.106	10.299	-1.728	0.0003
BGIBMGA010899	107.649	32.466	-1.729	0.0003
BGIBMGA003012	8.224	2.480	-1.730	0.0005
BGIBMGA010178	445.811	134.392	-1.730	0.0003
BGIBMGA003750	48.013	14.473	-1.730	0.0015
BGIBMGA005203	16.044	4.833	-1.731	0.0003
BGIBMGA003269	13.090	3.941	-1.732	0.0044
BGIBMGA013826	18.249	5.491	-1.733	0.0017
BGIBMGA004392	20.186	6.070	-1.734	0.0011
BGIBMGA006684	111.665	33.568	-1.734	0.0180
BGIBMGA010852	29.481	8.861	-1.734	0.0017
BGIBMGA011662	88.117	26.466	-1.735	0.0003
BGIBMGA009133	411.283	123.526	-1.735	0.0003
BGIBMGA004939	109.810	32.944	-1.737	0.0003
BGIBMGA007203	1.187	0.356	-1.737	0.0432
BGIBMGA000913	3.537	1.061	-1.737	0.0013
BGIBMGA009804	46.502	13.943	-1.738	0.0003
BGIBMGA003288	5.902	1.770	-1.738	0.0188
BGIBMGA012590	34.173	10.244	-1.738	0.0003
BGIBMGA012781	36.788	11.024	-1.739	0.0003
BGIBMGA012193	16.316	4.889	-1.739	0.0013
BGIBMGA008952	8.041	2.408	-1.739	0.0003
BGIBMGA001743	9.979	2.988	-1.740	0.0042
BGIBMGA004275	26.680	7.983	-1.741	0.0003
BGIBMGA006230	102.731	30.726	-1.741	0.0003
BGIBMGA006411	31.088	9.296	-1.742	0.0003
BGIBMGA009574	42.151	12.584	-1.744	0.0003
BGIBMGA012798	68.948	20.580	-1.744	0.0005
BGIBMGA009621	3.869	1.155	-1.745	0.0372
BGIBMGA007759	9.694	2.893	-1.745	0.0003
BGIBMGA007914	10.224	3.050	-1.745	0.0007
BGIBMGA006516	55.992	16.702	-1.745	0.0003
BGIBMGA009967	121.570	36.255	-1.746	0.0003
BGIBMGA004974	101.876	30.339	-1.748	0.0003
BGIBMGA007695	65.911	19.626	-1.748	0.0009
BGIBMGA005999	225.754	67.210	-1.748	0.0003
BGIBMGA008479	76.421	22.750	-1.748	0.0003
BGIBMGA009831	49.551	14.735	-1.750	0.0005
BGIBMGA009922	226.863	67.457	-1.750	0.0003
BGIBMGA011081	35.375	10.518	-1.750	0.0003
BGIBMGA004740	176.865	52.587	-1.750	0.0003
BGIBMGA007948	152.760	45.400	-1.750	0.0003
BGIBMGA003784	16.656	4.950	-1.751	0.0003
BGIBMGA002391	179.558	53.312	-1.752	0.0033
BGIBMGA003589	86.397	25.645	-1.752	0.0003
BGIBMGA012692	35.263	10.465	-1.753	0.0126
BGIBMGA000599	130.824	38.784	-1.754	0.0003
BGIBMGA012327	30.248	8.966	-1.754	0.0003
BGIBMGA005588	44.679	13.242	-1.754	0.0003
BGIBMGA011979	33.432	9.897	-1.756	0.0003
BGIBMGA011318	11.974	3.545	-1.756	0.0003
BGIBMGA003089	32.097	9.482	-1.759	0.0003
BGIBMGA014448	373.102	110.200	-1.759	0.0003
BGIBMGA013030	26.819	7.921	-1.759	0.0003
BGIBMGA004553	8.409	2.483	-1.760	0.0388
BGIBMGA009235	201.317	59.437	-1.760	0.0003
BGIBMGA001281	80.530	23.775	-1.760	0.0003
BGIBMGA010603	38.720	11.425	-1.761	0.0003
BGIBMGA004812	115.135	33.972	-1.761	0.0003
BGIBMGA010182	32.764	9.660	-1.762	0.0003
BGIBMGA000973	46.832	13.788	-1.764	0.0038
BGIBMGA009837	14.018	4.127	-1.764	0.0033
BGIBMGA014212	25.570	7.524	-1.765	0.0009
BGIBMGA008456	50.692	14.908	-1.766	0.0011
BGIBMGA013608	13.414	3.943	-1.766	0.0007
BGIBMGA008762	4.535	1.333	-1.767	0.0003
BGIBMGA002586	169.111	49.684	-1.767	0.0003
BGIBMGA012186	16.617	4.881	-1.767	0.0003
BGIBMGA005512	26.472	7.776	-1.767	0.0003
BGIBMGA009276	3.290	0.966	-1.768	0.0219
BGIBMGA007863	73.453	21.540	-1.770	0.0003
BGIBMGA007646	19.345	5.672	-1.770	0.0020
BGIBMGA004823	88.873	26.058	-1.770	0.0003
BGIBMGA010787	20.168	5.912	-1.770	0.0030
BGIBMGA014156	9.352	2.740	-1.771	0.0035
BGIBMGA012095	73.327	21.477	-1.772	0.0003
BGIBMGA002838	167.507	49.036	-1.772	0.0005
BGIBMGA004179	80.680	23.616	-1.772	0.0003
BGIBMGA001563	14.069	4.117	-1.773	0.0262
BGIBMGA007323	19.034	5.569	-1.773	0.0030
BGIBMGA006028	36.834	10.771	-1.774	0.0003

BGIBMGA009198	182.113	53.251	-1.774	0.0017
BGIBMGA011976	536.146	156.771	-1.774	0.0003
BGIBMGA012300	7.664	2.240	-1.775	0.0138
BGIBMGA001224	7.630	2.230	-1.775	0.0128
BGIBMGA014537	9.863	2.882	-1.775	0.0050
BGIBMGA011735	40.722	11.894	-1.776	0.0003
BGIBMGA007804	24.467	7.146	-1.776	0.0003
BGIBMGA001448	77.678	22.681	-1.776	0.0003
BGIBMGA000143	54.432	15.885	-1.777	0.0035
BGIBMGA012077	42.775	12.478	-1.777	0.0003
BGIBMGA005003	157.784	46.019	-1.778	0.0003
BGIBMGA005310	92.774	27.046	-1.778	0.0003
BGIBMGA003154	73.313	21.354	-1.780	0.0003
BGIBMGA006780	32.839	9.564	-1.780	0.0003
BGIBMGA005733	80.520	23.428	-1.781	0.0003
BGIBMGA006494	64.159	18.660	-1.782	0.0257
BGIBMGA004947	17.360	5.049	-1.782	0.0003
BGIBMGA012391	13.489	3.922	-1.782	0.0017
BGIBMGA014088	10.567	3.072	-1.782	0.0011
BGIBMGA008139	50.999	14.828	-1.782	0.0003
BGIBMGA003774	13.552	3.940	-1.782	0.0109
BGIBMGA008727	26.428	7.676	-1.784	0.0019
BGIBMGA008258	145.321	42.198	-1.784	0.0210
BGIBMGA012252	19.475	5.653	-1.785	0.0003
BGIBMGA001142	111.533	32.312	-1.787	0.0003
BGIBMGA013090	12.329	3.564	-1.791	0.0392
BGIBMGA014571	69.968	20.218	-1.791	0.0387
BGIBMGA003639	8.763	2.531	-1.792	0.0003
BGIBMGA010146	355.676	102.558	-1.794	0.0003
BGIBMGA008763	9.491	2.736	-1.794	0.0039
BGIBMGA009134	91.317	26.319	-1.795	0.0003
BGIBMGA001930	23.274	6.707	-1.795	0.0027
BGIBMGA012202	103.788	29.908	-1.795	0.0003
BGIBMGA000568	27.245	7.850	-1.795	0.0007
BGIBMGA002161	39.377	11.341	-1.796	0.0003
BGIBMGA004244	101.063	29.101	-1.796	0.0003
BGIBMGA000136	103.283	29.738	-1.796	0.0003
BGIBMGA007758	5.742	1.653	-1.796	0.0391
BGIBMGA002064	2.576	0.742	-1.797	0.0365
BGIBMGA002139	24.547	7.064	-1.797	0.0029
BGIBMGA008201	16.135	4.639	-1.798	0.0003
BGIBMGA003648	20.971	6.023	-1.800	0.0007
BGIBMGA009288	49.482	14.209	-1.800	0.0003
BGIBMGA002928	49.432	14.190	-1.801	0.0041
BGIBMGA002097	16.273	4.670	-1.801	0.0003
BGIBMGA005066	35.241	10.099	-1.803	0.0003
BGIBMGA007315	57.532	16.482	-1.803	0.0003
BGIBMGA009888	256.244	73.339	-1.805	0.0003
BGIBMGA008786	25.301	7.240	-1.805	0.0005
BGIBMGA011176	15.901	4.549	-1.806	0.0133
BGIBMGA002180	20.208	5.779	-1.806	0.0003
BGIBMGA008057	39.497	11.295	-1.806	0.0005
BGIBMGA006128	186.244	53.246	-1.806	0.0003
BGIBMGA006555	25.222	7.204	-1.808	0.0003
BGIBMGA011332	13.299	3.798	-1.808	0.0003
BGIBMGA012771	113.216	32.331	-1.808	0.0003
BGIBMGA011825	49.294	14.066	-1.809	0.0003
BGIBMGA003744	143.401	40.918	-1.809	0.0003
BGIBMGA007491	46.291	13.208	-1.809	0.0003
BGIBMGA013594	117.656	33.559	-1.810	0.0003
BGIBMGA012100	33.403	9.523	-1.810	0.0003
BGIBMGA013969	2.573	0.733	-1.811	0.0146
BGIBMGA006331	350.157	99.698	-1.812	0.0183
BGIBMGA010330	17.807	5.063	-1.814	0.0003
BGIBMGA000725	2.739	0.779	-1.815	0.0114
BGIBMGA001313	2.744	0.780	-1.815	0.0319
BGIBMGA007158	19.181	5.449	-1.816	0.0003
BGIBMGA011137	7.129	2.025	-1.816	0.0003
BGIBMGA012422	29.025	8.236	-1.817	0.0003
BGIBMGA007147	41.651	11.815	-1.818	0.0138
BGIBMGA003852	5.290	1.500	-1.818	0.0003
BGIBMGA014496	3428.110	971.233	-1.820	0.0003
BGIBMGA008285	21.478	6.081	-1.820	0.0108
BGIBMGA000211	22.007	6.227	-1.821	0.0388
BGIBMGA006818	46.171	13.063	-1.821	0.0003
BGIBMGA004013	126.694	35.789	-1.824	0.0003
BGIBMGA002738	982.920	277.584	-1.824	0.0005
BGIBMGA013649	48.686	13.740	-1.825	0.0003
BGIBMGA008971	5.659	1.596	-1.826	0.0331
BGIBMGA005527	14.445	4.073	-1.827	0.0003
BGIBMGA004177	22.233	6.264	-1.827	0.0038
BGIBMGA011636	9.091	2.557	-1.830	0.0005
BGIBMGA011931	8.059	2.266	-1.830	0.0138
BGIBMGA012254	63.941	17.980	-1.830	0.0003
BGIBMGA000699	36.909	10.376	-1.831	0.0003
BGIBMGA000546	70.573	19.840	-1.831	0.0003
BGIBMGA012688	28.398	7.983	-1.831	0.0003
BGIBMGA007049	65.353	18.362	-1.832	0.0003
BGIBMGA009832	20.530	5.768	-1.832	0.0003
BGIBMGA004558	37.681	10.574	-1.833	0.0003
BGIBMGA004284	35.687	10.013	-1.834	0.0003
BGIBMGA008565	25.393	7.124	-1.834	0.0134
BGIBMGA013184	13.588	3.812	-1.834	0.0003

BGIBMGA005732	41.104	11.529	-1.834	0.0003
BGIBMGA008363	20.811	5.836	-1.834	0.0003
BGIBMGA001510	36.315	10.182	-1.835	0.0003
BGIBMGA000421	7.161	2.006	-1.836	0.0030
BGIBMGA012823	42.807	11.990	-1.836	0.0007
BGIBMGA011336	49.904	13.974	-1.836	0.0003
BGIBMGA002413	72.503	20.300	-1.837	0.0003
BGIBMGA011306	16.775	4.693	-1.838	0.0003
BGIBMGA013690	45.910	12.838	-1.838	0.0003
BGIBMGA003634	42.943	12.002	-1.839	0.0003
BGIBMGA009848	12.171	3.402	-1.839	0.0003
BGIBMGA010562	200.802	56.109	-1.839	0.0003
BGIBMGA013582	8.864	2.474	-1.841	0.0403
BGIBMGA007293	32.682	9.123	-1.841	0.0003
BGIBMGA012789	7.958	2.220	-1.842	0.0003
BGIBMGA011288	15.955	4.450	-1.842	0.0391
BGIBMGA008645	7.156	1.996	-1.842	0.0418
BGIBMGA010336	32.722	9.126	-1.842	0.0003
BGIBMGA009929	20.410	5.691	-1.842	0.0003
BGIBMGA002377	7.713	2.151	-1.843	0.0106
BGIBMGA008637	32.262	8.979	-1.845	0.0003
BGIBMGA011156	32.537	9.050	-1.846	0.0118
BGIBMGA006090	22.801	6.339	-1.847	0.0017
BGIBMGA004958	232.952	64.727	-1.848	0.0173
BGIBMGA013894	7.216	2.005	-1.848	0.0003
BGIBMGA003910	20.255	5.625	-1.848	0.0003
BGIBMGA002539	304.166	84.454	-1.849	0.0003
BGIBMGA011512	50.454	14.007	-1.849	0.0005
BGIBMGA010226	24.610	6.830	-1.849	0.0003
BGIBMGA009907	46.565	12.910	-1.851	0.0003
BGIBMGA008904	36.220	10.041	-1.851	0.0003
BGIBMGA008114	23.554	6.528	-1.851	0.0003
BGIBMGA010945	12.768	3.538	-1.851	0.0109
BGIBMGA008915	38.982	10.795	-1.852	0.0013
BGIBMGA012992	11.983	3.317	-1.853	0.0003
BGIBMGA011344	762.536	210.969	-1.854	0.0003
BGIBMGA011251	30.374	8.400	-1.854	0.0003
BGIBMGA011688	44.899	12.417	-1.854	0.0003
BGIBMGA002781	12.840	3.548	-1.855	0.0027
BGIBMGA001835	56.109	15.501	-1.856	0.0025
BGIBMGA007209	132.066	36.483	-1.856	0.0003
BGIBMGA007387	18.770	5.185	-1.856	0.0003
BGIBMGA013979	28.716	7.930	-1.856	0.0007
BGIBMGA012721	12.013	3.317	-1.857	0.0104
BGIBMGA003806	40.640	11.219	-1.857	0.0003
BGIBMGA007179	114.778	31.678	-1.857	0.0003
BGIBMGA009582	36.077	9.949	-1.858	0.0011
BGIBMGA002837	192.146	52.980	-1.859	0.0003
BGIBMGA003743	25.475	7.022	-1.859	0.0109
BGIBMGA006211	12.211	3.364	-1.860	0.0174
BGIBMGA010992	85.215	23.467	-1.860	0.0003
BGIBMGA009164	17.849	4.915	-1.860	0.0024
BGIBMGA005450	22.680	6.243	-1.861	0.0003
BGIBMGA000849	44.903	12.352	-1.862	0.0003
BGIBMGA001312	50.081	13.769	-1.863	0.0003
BGIBMGA012377	12.058	3.314	-1.863	0.0011
BGIBMGA001261	238.717	65.543	-1.865	0.0003
BGIBMGA001873	2016.600	553.235	-1.866	0.0003
BGIBMGA007979	15.110	4.145	-1.866	0.0032
BGIBMGA003629	47.276	12.957	-1.867	0.0003
BGIBMGA001083	65.000	17.812	-1.868	0.0003
BGIBMGA011260	5.722	1.566	-1.869	0.0024
BGIBMGA010615	17.294	4.733	-1.869	0.0003
BGIBMGA003511	120.667	32.909	-1.874	0.0003
BGIBMGA009604	14.850	4.047	-1.876	0.0003
BGIBMGA002018	57.752	15.738	-1.876	0.0003
BGIBMGA009302	46.232	12.591	-1.877	0.0005
BGIBMGA007386	145.155	39.499	-1.878	0.0003
BGIBMGA002949	20.563	5.593	-1.878	0.0005
BGIBMGA009844	67.076	18.239	-1.879	0.0003
BGIBMGA008726	33.777	9.177	-1.880	0.0003
BGIBMGA009149	3.982	1.082	-1.880	0.0022
BGIBMGA007397	226.880	61.594	-1.881	0.0003
BGIBMGA001081	4768.930	1294.630	-1.881	0.0104
BGIBMGA000639	12.985	3.519	-1.883	0.0075
BGIBMGA009663	11.408	3.091	-1.884	0.0003
BGIBMGA006186	17.985	4.873	-1.884	0.0379
BGIBMGA011663	88.688	24.019	-1.885	0.0003
BGIBMGA012701	94.368	25.521	-1.887	0.0003
BGIBMGA011136	27.055	7.315	-1.887	0.0003
BGIBMGA010352	265.467	71.771	-1.887	0.0003
BGIBMGA004967	4.087	1.104	-1.888	0.0098
BGIBMGA012319	29.234	7.895	-1.889	0.0011
BGIBMGA007551	122.586	33.078	-1.890	0.0003
BGIBMGA003867	34.167	9.218	-1.890	0.0003
BGIBMGA009575	20.466	5.519	-1.891	0.0003
BGIBMGA007565	182.561	49.183	-1.892	0.0003
BGIBMGA010782	15.877	4.274	-1.893	0.0024
BGIBMGA012814	34.375	9.239	-1.896	0.0003
BGIBMGA012628	118.578	31.847	-1.897	0.0003
BGIBMGA002587	43.513	11.680	-1.897	0.0003
BGIBMGA007927	10.963	2.942	-1.898	0.0025
BGIBMGA008276	11.631	3.118	-1.899	0.0068

BGIBMGA006146	3.203	0.858	-1.900	0.0189
BGIBMGA009564	4.528	1.211	-1.902	0.0285
BGIBMGA000151	10.393	2.778	-1.904	0.0208
BGIBMGA001293	7.881	2.105	-1.904	0.0019
BGIBMGA013028	23.110	6.173	-1.904	0.0003
BGIBMGA007321	457.541	122.071	-1.906	0.0003
BGIBMGA001642	40.687	10.853	-1.906	0.0003
BGIBMGA004431	8.832	2.349	-1.910	0.0083
BGIBMGA004567	4.050	1.077	-1.911	0.0091
BGIBMGA000497	9.465	2.517	-1.911	0.0093
BGIBMGA009654	617.051	163.868	-1.913	0.0092
BGIBMGA009923	73.233	19.434	-1.914	0.0003
BGIBMGA009460	79.685	21.141	-1.914	0.0003
BGIBMGA002467	51.880	13.764	-1.914	0.0003
BGIBMGA005912	4.393	1.165	-1.915	0.0239
BGIBMGA014129	52.820	14.001	-1.916	0.0007
BGIBMGA005770	58.513	15.500	-1.916	0.0003
BGIBMGA013168	28.618	7.571	-1.918	0.0005
BGIBMGA004710	32.467	8.584	-1.919	0.0003
BGIBMGA002316	5.891	1.557	-1.920	0.0082
BGIBMGA006522	38.067	10.058	-1.920	0.0013
BGIBMGA001674	28.749	7.594	-1.921	0.0075
BGIBMGA012273	231.757	61.158	-1.922	0.0003
BGIBMGA010840	127.513	33.646	-1.922	0.0003
BGIBMGA001850	5.080	1.340	-1.922	0.0430
BGIBMGA009225	16.291	4.297	-1.923	0.0003
BGIBMGA002857	40.202	10.602	-1.923	0.0003
BGIBMGA013889	30.967	8.163	-1.924	0.0003
BGIBMGA011161	23.609	6.221	-1.924	0.0005
BGIBMGA013596	275.213	72.492	-1.925	0.0003
BGIBMGA009908	78.663	20.698	-1.926	0.0069
BGIBMGA000848	23.236	6.112	-1.927	0.0003
BGIBMGA001140	5.985	1.574	-1.927	0.0079
BGIBMGA003240	10.564	2.776	-1.928	0.0057
BGIBMGA007052	43.299	11.367	-1.929	0.0003
BGIBMGA009763	22349.200	5864.370	-1.930	0.0003
BGIBMGA014137	35.167	9.225	-1.931	0.0003
BGIBMGA001305	75.139	19.710	-1.931	0.0289
BGIBMGA007885	50.900	13.342	-1.932	0.0003
BGIBMGA009176	3.423	0.897	-1.932	0.0423
BGIBMGA003959	37.836	9.909	-1.933	0.0393
BGIBMGA012565	14.309	3.745	-1.934	0.0090
BGIBMGA010181	36.405	9.529	-1.934	0.0003
BGIBMGA012725	24.492	6.407	-1.935	0.0003
BGIBMGA000096	489.870	128.123	-1.935	0.0305
BGIBMGA004022	568.967	148.809	-1.935	0.0003
BGIBMGA005582	92.355	24.146	-1.935	0.0003
BGIBMGA012280	108.908	28.462	-1.936	0.0019
BGIBMGA006765	39.526	10.330	-1.936	0.0085
BGIBMGA011326	4.230	1.105	-1.937	0.0005
BGIBMGA012416	26.905	7.020	-1.938	0.0003
BGIBMGA002856	44.387	11.556	-1.942	0.0003
BGIBMGA009789	39.551	10.295	-1.942	0.0003
BGIBMGA003209	21.507	5.598	-1.942	0.0017
BGIBMGA007540	30.725	7.996	-1.942	0.0003
BGIBMGA014374	1.249	0.325	-1.942	0.0428
BGIBMGA013601	12.837	3.338	-1.943	0.0003
BGIBMGA005884	54.637	14.207	-1.943	0.0003
BGIBMGA008058	57.579	14.968	-1.944	0.0003
BGIBMGA009605	102.573	26.632	-1.945	0.0003
BGIBMGA001355	46.899	12.172	-1.946	0.0128
BGIBMGA005683	18.942	4.916	-1.946	0.0007
BGIBMGA004616	19.271	5.001	-1.946	0.0003
BGIBMGA013807	10.040	2.605	-1.947	0.0013
BGIBMGA005474	25.602	6.641	-1.947	0.0003
BGIBMGA012189	45.455	11.784	-1.948	0.0003
BGIBMGA003860	14.114	3.657	-1.949	0.0082
BGIBMGA001268	14.492	3.753	-1.949	0.0003
BGIBMGA009175	14.912	3.861	-1.949	0.0009
BGIBMGA004141	35.639	9.221	-1.950	0.0007
BGIBMGA012388	214.272	55.406	-1.951	0.0003
BGIBMGA013067	277.999	71.862	-1.952	0.0230
BGIBMGA004107	8.167	2.110	-1.952	0.0011
BGIBMGA002530	427.369	110.350	-1.953	0.0141
BGIBMGA005843	108.533	28.014	-1.954	0.0003
BGIBMGA004088	89.468	23.078	-1.955	0.0024
BGIBMGA012255	67.205	17.330	-1.955	0.0003
BGIBMGA002937	7.977	2.055	-1.956	0.0003
BGIBMGA004422	41.257	10.615	-1.959	0.0013
BGIBMGA008511	92.324	23.739	-1.959	0.0003
BGIBMGA002039	80.859	20.786	-1.960	0.0003
BGIBMGA013349	114.006	29.296	-1.960	0.0003
BGIBMGA014277	32.188	8.271	-1.960	0.0050
BGIBMGA003732	36.763	9.446	-1.960	0.0003
BGIBMGA000401	11.897	3.052	-1.963	0.0005
BGIBMGA013483	19.111	4.898	-1.964	0.0066
BGIBMGA008467	61.281	15.702	-1.965	0.0003
BGIBMGA012660	14.622	3.745	-1.965	0.0015
BGIBMGA011247	14.429	3.694	-1.966	0.0007
BGIBMGA007478	41.559	10.634	-1.966	0.0003
BGIBMGA000189	68.359	17.470	-1.968	0.0003
BGIBMGA013789	5.848	1.494	-1.969	0.0090
BGIBMGA012915	32.358	8.259	-1.970	0.0003

BGIBMGA013974	108.229	27.624	-1.970	0.0003
BGIBMGA007148	29.289	7.475	-1.970	0.0003
BGIBMGA009903	39.966	10.195	-1.971	0.0003
BGIBMGA009861	9.546	2.435	-1.971	0.0187
BGIBMGA006299	18.918	4.825	-1.971	0.0020
BGIBMGA007605	58.500	14.914	-1.972	0.0003
BGIBMGA012412	20.340	5.184	-1.972	0.0003
BGIBMGA006212	17.215	4.378	-1.975	0.0011
BGIBMGA001670	63.285	16.094	-1.975	0.0003
BGIBMGA012509	2.399	0.609	-1.978	0.0382
BGIBMGA011005	21.919	5.555	-1.980	0.0003
BGIBMGA012922	143.549	36.378	-1.980	0.0003
BGIBMGA000141	32.096	8.134	-1.980	0.0059
BGIBMGA007154	14.576	3.689	-1.982	0.0003
BGIBMGA012387	48.087	12.156	-1.984	0.0003
BGIBMGA008506	20.007	5.052	-1.986	0.0003
BGIBMGA001923	8.413	2.123	-1.986	0.0068
BGIBMGA006043	882.219	222.330	-1.988	0.0003
BGIBMGA004755	69.095	17.404	-1.989	0.0003
BGIBMGA005779	33.960	8.548	-1.990	0.0003
BGIBMGA010953	10.180	2.562	-1.990	0.0003
BGIBMGA005522	62.700	15.773	-1.991	0.0003
BGIBMGA005842	70.725	17.784	-1.992	0.0003
BGIBMGA011536	26.626	6.692	-1.992	0.0009
BGIBMGA002678	20.480	5.146	-1.993	0.0003
BGIBMGA008837	12.298	3.089	-1.993	0.0013
BGIBMGA007931	8.024	2.014	-1.994	0.0017
BGIBMGA010628	48.227	12.105	-1.994	0.0003
BGIBMGA009223	56.702	14.220	-1.996	0.0003
BGIBMGA002185	8.030	2.014	-1.996	0.0035
BGIBMGA004825	18.129	4.542	-1.997	0.0003
BGIBMGA007662	69.996	17.523	-1.998	0.0003
BGIBMGA001372	36.477	9.131	-1.998	0.0003
BGIBMGA003997	136.213	34.086	-1.999	0.0003
BGIBMGA005337	71.008	17.768	-1.999	0.0003
BGIBMGA006910	122.829	30.712	-2.000	0.0003
BGIBMGA012160	76.308	19.073	-2.000	0.0373
BGIBMGA002771	5.995	1.498	-2.001	0.0003
BGIBMGA004198	57.602	14.390	-2.001	0.0003
BGIBMGA014268	17.770	4.439	-2.001	0.0007
BGIBMGA013343	78.907	19.704	-2.002	0.0003
BGIBMGA010028	17.088	4.261	-2.004	0.0003
BGIBMGA007176	23.756	5.917	-2.005	0.0011
BGIBMGA005837	22.436	5.580	-2.008	0.0003
BGIBMGA003194	14.003	3.482	-2.008	0.0011
BGIBMGA003087	21.646	5.382	-2.008	0.0003
BGIBMGA010508	37.939	9.423	-2.009	0.0003
BGIBMGA004844	3.439	0.854	-2.010	0.0048
BGIBMGA004432	11.038	2.737	-2.012	0.0015
BGIBMGA011918	8.478	2.100	-2.013	0.0035
BGIBMGA000466	10.752	2.663	-2.013	0.0042
BGIBMGA004273	14.312	3.545	-2.013	0.0035
BGIBMGA006189	154.744	38.330	-2.013	0.0003
BGIBMGA010195	29.408	7.281	-2.014	0.0003
BGIBMGA012176	19.796	4.899	-2.015	0.0024
BGIBMGA011033	101.946	25.195	-2.017	0.0003
BGIBMGA013041	247.658	61.185	-2.017	0.0201
BGIBMGA010783	17.633	4.356	-2.017	0.0009
BGIBMGA012449	18.612	4.596	-2.018	0.0003
BGIBMGA014082	152.271	37.600	-2.018	0.0434
BGIBMGA003543	6.107	1.507	-2.019	0.0050
BGIBMGA008806	3.526	0.870	-2.019	0.0003
BGIBMGA009625	120.105	29.619	-2.020	0.0003
BGIBMGA003731	7.538	1.859	-2.020	0.0022
BGIBMGA012404	27.047	6.664	-2.021	0.0003
BGIBMGA002983	18.179	4.478	-2.021	0.0003
BGIBMGA006696	48.765	12.002	-2.023	0.0003
BGIBMGA012978	21.692	5.338	-2.023	0.0003
BGIBMGA009824	50.939	12.533	-2.023	0.0003
BGIBMGA006788	64.210	15.789	-2.024	0.0003
BGIBMGA010025	45.695	11.236	-2.024	0.0022
BGIBMGA000245	12.605	3.099	-2.024	0.0189
BGIBMGA003285	37.088	9.116	-2.025	0.0003
BGIBMGA005124	50.140	12.324	-2.025	0.0003
BGIBMGA013258	3.067	0.754	-2.025	0.0011
BGIBMGA011449	11.415	2.805	-2.025	0.0009
BGIBMGA008576	13.528	3.323	-2.025	0.0019
BGIBMGA003290	27.145	6.665	-2.026	0.0003
BGIBMGA008491	117.277	28.791	-2.026	0.0003
BGIBMGA011831	14.114	3.464	-2.027	0.0003
BGIBMGA005532	11.672	2.862	-2.028	0.0003
BGIBMGA007318	203.571	49.892	-2.029	0.0003
BGIBMGA009177	3.486	0.854	-2.029	0.0346
BGIBMGA012107	49.978	12.242	-2.029	0.0003
BGIBMGA004744	549.682	134.509	-2.031	0.0054
BGIBMGA007607	19.253	4.707	-2.032	0.0003
BGIBMGA002896	49.098	12.000	-2.033	0.0003
BGIBMGA006367	19.332	4.721	-2.034	0.0003
BGIBMGA009222	64.740	15.795	-2.035	0.0003
BGIBMGA002137	18.935	4.619	-2.035	0.0009
BGIBMGA006035	60.121	14.659	-2.036	0.0083
BGIBMGA010816	8.455	2.059	-2.038	0.0003
BGIBMGA004886	109.816	26.744	-2.038	0.0096

BGIBMGA010240	9.020	2.196	-2.038	0.0041
BGIBMGA000072	137.175	33.376	-2.039	0.0003
BGIBMGA002485	27.054	6.578	-2.040	0.0015
BGIBMGA012135	22.579	5.484	-2.042	0.0007
BGIBMGA010346	26.216	6.366	-2.042	0.0015
BGIBMGA004371	47.391	11.507	-2.042	0.0003
BGIBMGA003289	15.763	3.825	-2.043	0.0005
BGIBMGA006781	767.524	185.933	-2.045	0.0075
BGIBMGA003479	24.958	6.044	-2.046	0.0003
BGIBMGA003254	1963.820	475.386	-2.046	0.0003
BGIBMGA007381	109.996	26.622	-2.047	0.0033
BGIBMGA001552	170.558	41.261	-2.047	0.0003
BGIBMGA003935	1.220	0.295	-2.050	0.0406
BGIBMGA003229	70.682	17.041	-2.052	0.0003
BGIBMGA004360	94.626	22.810	-2.053	0.0003
BGIBMGA005925	76.293	18.386	-2.053	0.0003
BGIBMGA009989	48.904	11.782	-2.053	0.0003
BGIBMGA005116	90.146	21.715	-2.054	0.0003
BGIBMGA013038	31.693	7.634	-2.054	0.0003
BGIBMGA013392	16.727	4.023	-2.056	0.0003
BGIBMGA012498	12.056	2.899	-2.056	0.0048
BGIBMGA012400	17.185	4.132	-2.056	0.0009
BGIBMGA001023	134.652	32.359	-2.057	0.0015
BGIBMGA006582	315.575	75.835	-2.057	0.0003
BGIBMGA004416	153.871	36.970	-2.057	0.0003
BGIBMGA006126	30.064	7.217	-2.059	0.0009
BGIBMGA011962	1.981	0.475	-2.060	0.0047
BGIBMGA001246	15.792	3.788	-2.060	0.0059
BGIBMGA014168	8.540	2.044	-2.063	0.0052
BGIBMGA013887	50.258	12.022	-2.064	0.0059
BGIBMGA010006	6.480	1.549	-2.065	0.0035
BGIBMGA003498	23.908	5.713	-2.065	0.0003
BGIBMGA001121	45.839	10.948	-2.066	0.0003
BGIBMGA001591	41.556	9.889	-2.071	0.0003
BGIBMGA007812	108.664	25.845	-2.072	0.0003
BGIBMGA001157	41.332	9.826	-2.073	0.0009
BGIBMGA001416	30.369	7.217	-2.073	0.0003
BGIBMGA006817	12.888	3.059	-2.075	0.0003
BGIBMGA007244	40.240	9.550	-2.075	0.0003
BGIBMGA014400	22.382	5.310	-2.076	0.0178
BGIBMGA008679	19.176	4.547	-2.076	0.0003
BGIBMGA002217	100.419	23.755	-2.080	0.0003
BGIBMGA005771	51.133	12.093	-2.080	0.0003
BGIBMGA001493	3.413	0.807	-2.081	0.0005
BGIBMGA014234	13.613	3.218	-2.081	0.0003
BGIBMGA006252	16.269	3.840	-2.083	0.0059
BGIBMGA006330	53.594	12.649	-2.083	0.0003
BGIBMGA007751	26.245	6.179	-2.087	0.0003
BGIBMGA014103	66.358	15.619	-2.087	0.0054
BGIBMGA000447	85.161	20.040	-2.087	0.0003
BGIBMGA005601	71.332	16.784	-2.088	0.0003
BGIBMGA006057	31.986	7.526	-2.088	0.0009
BGIBMGA001998	8.482	1.995	-2.088	0.0032
BGIBMGA012402	29.308	6.880	-2.091	0.0003
BGIBMGA001260	234.940	55.122	-2.092	0.0003
BGIBMGA013430	42.369	9.940	-2.092	0.0003
BGIBMGA013025	192.020	45.041	-2.092	0.0003
BGIBMGA006169	18.809	4.412	-2.092	0.0003
BGIBMGA013156	27.908	6.543	-2.093	0.0003
BGIBMGA000454	30.325	7.106	-2.093	0.0003
BGIBMGA013704	48.968	11.472	-2.094	0.0003
BGIBMGA012021	26.655	6.242	-2.094	0.0003
BGIBMGA008633	16.745	3.920	-2.095	0.0013
BGIBMGA012812	111.234	26.019	-2.096	0.0202
BGIBMGA009834	241.917	56.586	-2.096	0.0003
BGIBMGA008920	40.157	9.390	-2.096	0.0003
BGIBMGA005561	19.663	4.595	-2.097	0.0003
BGIBMGA005029	7.423	1.733	-2.099	0.0032
BGIBMGA002904	11.085	2.588	-2.099	0.0045
BGIBMGA005051	58.418	13.633	-2.099	0.0003
BGIBMGA002762	52.972	12.346	-2.101	0.0011
BGIBMGA011407	15.656	3.648	-2.101	0.0003
BGIBMGA006167	29.040	6.759	-2.103	0.0024
BGIBMGA008776	23.589	5.489	-2.104	0.0003
BGIBMGA009655	395.684	92.008	-2.105	0.0003
BGIBMGA009256	19.483	4.528	-2.105	0.0170
BGIBMGA008238	270.992	62.948	-2.106	0.0003
BGIBMGA010373	26.086	6.058	-2.106	0.0003
BGIBMGA006306	28.079	6.519	-2.107	0.0003
BGIBMGA009373	42.020	9.744	-2.109	0.0003
BGIBMGA014004	18.307	4.244	-2.109	0.0052
BGIBMGA012455	47.890	11.090	-2.111	0.0003
BGIBMGA005682	21.250	4.919	-2.111	0.0003
BGIBMGA005536	232.421	53.806	-2.111	0.0003
BGIBMGA007325	7.707	1.783	-2.112	0.0003
BGIBMGA006701	21.581	4.988	-2.113	0.0003
BGIBMGA003990	18.404	4.249	-2.115	0.0003
BGIBMGA000871	20.359	4.697	-2.116	0.0003
BGIBMGA001098	98.147	22.616	-2.118	0.0003
BGIBMGA007355	391.371	90.169	-2.118	0.0003
BGIBMGA010280	30.451	7.014	-2.118	0.0003
BGIBMGA001365	9.666	2.223	-2.120	0.0003
BGIBMGA011470	22.174	5.097	-2.121	0.0045

BGIBMGA004851	57.927	13.283	-2.125	0.0003
BGIBMGA011340	9.938	2.278	-2.125	0.0003
BGIBMGA003786	81.364	18.626	-2.127	0.0003
BGIBMGA010273	65.262	14.936	-2.127	0.0003
BGIBMGA009170	95.839	21.916	-2.129	0.0003
BGIBMGA007666	12.972	2.963	-2.130	0.0074
BGIBMGA006106	319.308	72.918	-2.131	0.0003
BGIBMGA008642	66.975	15.279	-2.132	0.0003
BGIBMGA003503	5.566	1.270	-2.132	0.0003
BGIBMGA005529	27.141	6.191	-2.132	0.0003
BGIBMGA001245	22.078	5.035	-2.132	0.0003
BGIBMGA005217	458.977	104.616	-2.133	0.0003
BGIBMGA001692	20.462	4.663	-2.134	0.0003
BGIBMGA003916	37.084	8.443	-2.135	0.0003
BGIBMGA003446	29.373	6.687	-2.135	0.0003
BGIBMGA012410	119.785	27.251	-2.136	0.0326
BGIBMGA009580	54.074	12.277	-2.139	0.0345
BGIBMGA008658	40.258	9.139	-2.139	0.0003
BGIBMGA004119	45.710	10.373	-2.140	0.0009
BGIBMGA011888	98.577	22.343	-2.141	0.0003
BGIBMGA004545	9.542	2.162	-2.142	0.0003
BGIBMGA005584	9.326	2.111	-2.143	0.0003
BGIBMGA014357	6.683	1.513	-2.143	0.0196
BGIBMGA013447	100.965	22.846	-2.144	0.0003
BGIBMGA011301	60.407	13.666	-2.144	0.0003
BGIBMGA000203	13.161	2.974	-2.146	0.0226
BGIBMGA006102	454.683	102.738	-2.146	0.0011
BGIBMGA010766	139.041	31.409	-2.146	0.0003
BGIBMGA008561	42.894	9.667	-2.150	0.0003
BGIBMGA009664	26.420	5.950	-2.151	0.0003
BGIBMGA013218	26.424	5.945	-2.152	0.0003
BGIBMGA010713	2.864	0.644	-2.152	0.0051
BGIBMGA012231	28.935	6.506	-2.153	0.0003
BGIBMGA000911	3.014	0.678	-2.153	0.0153
BGIBMGA000089	34.459	7.743	-2.154	0.0003
BGIBMGA003223	50.264	11.255	-2.159	0.0003
BGIBMGA005242	13.526	3.025	-2.161	0.0336
BGIBMGA000964	155.665	34.800	-2.161	0.0003
BGIBMGA003936	246.970	55.188	-2.162	0.0005
BGIBMGA007598	6.290	1.404	-2.163	0.0058
BGIBMGA000905	5.127	1.144	-2.164	0.0259
BGIBMGA001546	19.648	4.380	-2.165	0.0003
BGIBMGA008378	40.260	8.967	-2.167	0.0003
BGIBMGA012129	71.671	15.958	-2.167	0.0003
BGIBMGA008917	58.045	12.909	-2.169	0.0003
BGIBMGA013465	41.126	9.145	-2.169	0.0003
BGIBMGA013185	65.328	14.514	-2.170	0.0003
BGIBMGA008326	15.671	3.480	-2.171	0.0088
BGIBMGA003145	26.681	5.924	-2.171	0.0003
BGIBMGA008572	113.564	25.212	-2.171	0.0003
BGIBMGA004325	27.480	6.099	-2.172	0.0003
BGIBMGA004704	19.871	4.406	-2.173	0.0003
BGIBMGA003937	96.125	21.307	-2.174	0.0003
BGIBMGA013600	11.673	2.587	-2.174	0.0003
BGIBMGA003999	38.549	8.543	-2.174	0.0003
BGIBMGA010762	102.089	22.603	-2.175	0.0003
BGIBMGA009960	10.235	2.264	-2.177	0.0213
BGIBMGA008069	39.967	8.820	-2.180	0.0039
BGIBMGA000456	30.092	6.627	-2.183	0.0003
BGIBMGA011290	11.778	2.593	-2.183	0.0003
BGIBMGA011832	29.592	6.514	-2.184	0.0003
BGIBMGA001332	36.834	8.094	-2.186	0.0007
BGIBMGA001866	36.362	7.977	-2.189	0.0003
BGIBMGA009439	12.349	2.708	-2.189	0.0039
BGIBMGA002442	8.032	1.761	-2.189	0.0235
BGIBMGA013079	20.742	4.543	-2.191	0.0003
BGIBMGA001072	7.347	1.608	-2.192	0.0003
BGIBMGA002723	92.289	20.166	-2.194	0.0003
BGIBMGA014423	27.241	5.947	-2.195	0.0003
BGIBMGA003107	25.213	5.503	-2.196	0.0003
BGIBMGA002451	15.694	3.421	-2.198	0.0003
BGIBMGA001818	27.953	6.093	-2.198	0.0003
BGIBMGA003310	19.714	4.292	-2.200	0.0003
BGIBMGA006492	32.729	7.122	-2.200	0.0005
BGIBMGA006606	6.325	1.376	-2.200	0.0098
BGIBMGA012479	62.024	13.485	-2.201	0.0003
BGIBMGA012640	51.432	11.181	-2.202	0.0025
BGIBMGA004754	36.268	7.868	-2.205	0.0003
BGIBMGA003755	65.779	14.261	-2.206	0.0003
BGIBMGA001085	12.878	2.791	-2.206	0.0003
BGIBMGA003349	2.819	0.611	-2.206	0.0061
BGIBMGA008734	23.422	5.071	-2.208	0.0009
BGIBMGA001834	54.014	11.694	-2.208	0.0009
BGIBMGA006268	38.898	8.416	-2.208	0.0027
BGIBMGA009466	32.404	7.006	-2.209	0.0003
BGIBMGA004358	60.626	13.090	-2.212	0.0003
BGIBMGA006348	80.436	17.356	-2.212	0.0003
BGIBMGA012306	3.154	0.680	-2.213	0.0041
BGIBMGA014085	22.951	4.948	-2.214	0.0287
BGIBMGA004783	20.822	4.487	-2.214	0.0003
BGIBMGA009101	696.534	150.081	-2.214	0.0003
BGIBMGA006812	2.932	0.632	-2.215	0.0154
BGIBMGA001187	4.779	1.030	-2.215	0.0027

BGIBMGA014065	209.778	45.072	-2.219	0.0003
BGIBMGA006107	333.164	71.555	-2.219	0.0003
BGIBMGA010022	23.489	5.045	-2.219	0.0279
BGIBMGA005423	23.952	5.144	-2.219	0.0003
BGIBMGA014379	27.017	5.799	-2.220	0.0003
BGIBMGA011373	11.141	2.391	-2.220	0.0003
BGIBMGA013427	28.121	6.033	-2.221	0.0003
BGIBMGA001772	95.147	20.405	-2.221	0.0003
BGIBMGA005193	34.835	7.468	-2.222	0.0003
BGIBMGA000054	13.708	2.939	-2.222	0.0003
BGIBMGA006874	14.717	3.155	-2.222	0.0003
BGIBMGA006804	5.588	1.196	-2.225	0.0025
BGIBMGA013597	392.692	84.006	-2.225	0.0003
BGIBMGA001978	6.774	1.446	-2.228	0.0136
BGIBMGA005575	131.989	28.174	-2.228	0.0003
BGIBMGA006784	9.480	2.023	-2.228	0.0003
BGIBMGA011914	55.212	11.781	-2.228	0.0003
BGIBMGA012183	22.518	4.803	-2.229	0.0003
BGIBMGA007394	24.590	5.243	-2.230	0.0009
BGIBMGA010441	31.417	6.693	-2.231	0.0009
BGIBMGA012629	39.665	8.444	-2.232	0.0003
BGIBMGA012591	47.719	10.127	-2.236	0.0003
BGIBMGA009670	9.512	2.018	-2.237	0.0065
BGIBMGA000442	24.526	5.202	-2.237	0.0003
BGIBMGA009139	255.145	54.117	-2.237	0.0003
BGIBMGA008560	12.948	2.745	-2.238	0.0003
BGIBMGA002549	47.394	10.045	-2.238	0.0088
BGIBMGA004178	20.439	4.327	-2.240	0.0003
BGIBMGA008012	13.889	2.937	-2.242	0.0003
BGIBMGA000989	1.850	0.391	-2.242	0.0242
BGIBMGA013468	17.102	3.616	-2.242	0.0003
BGIBMGA000567	5.737	1.212	-2.243	0.0086
BGIBMGA005851	31.093	6.567	-2.243	0.0003
BGIBMGA005548	38.101	8.028	-2.247	0.0007
BGIBMGA006943	19.116	4.028	-2.247	0.0003
BGIBMGA006654	19.189	4.041	-2.247	0.0003
BGIBMGA011685	39.968	8.410	-2.249	0.0020
BGIBMGA008926	54.440	11.452	-2.249	0.0003
BGIBMGA009312	57.470	12.073	-2.251	0.0003
BGIBMGA008778	68.626	14.414	-2.251	0.0003
BGIBMGA007308	9.114	1.914	-2.252	0.0009
BGIBMGA003333	51.745	10.864	-2.252	0.0003
BGIBMGA005213	265.041	55.614	-2.253	0.0003
BGIBMGA010764	5.163	1.082	-2.255	0.0085
BGIBMGA006640	20.864	4.370	-2.255	0.0003
BGIBMGA010121	14.236	2.981	-2.256	0.0003
BGIBMGA007554	28.223	5.903	-2.257	0.0003
BGIBMGA009297	17.745	3.711	-2.257	0.0003
BGIBMGA011537	58.478	12.226	-2.258	0.0036
BGIBMGA007644	4.194	0.877	-2.258	0.0225
BGIBMGA002412	17.066	3.567	-2.258	0.0003
BGIBMGA009517	38.393	8.015	-2.260	0.0003
BGIBMGA010965	5.077	1.060	-2.260	0.0078
BGIBMGA006554	63.752	13.301	-2.261	0.0221
BGIBMGA012173	93.862	19.526	-2.265	0.0003
BGIBMGA009443	6.849	1.424	-2.266	0.0007
BGIBMGA005667	46.916	9.753	-2.266	0.0003
BGIBMGA013415	72.718	15.116	-2.266	0.0003
BGIBMGA005507	31.040	6.451	-2.267	0.0342
BGIBMGA004213	1.979	0.411	-2.267	0.0286
BGIBMGA006101	23.950	4.973	-2.268	0.0003
BGIBMGA003350	53.949	11.201	-2.268	0.0003
BGIBMGA009620	88.694	18.406	-2.269	0.0003
BGIBMGA007911	44.469	9.221	-2.270	0.0003
BGIBMGA001330	68.305	14.163	-2.270	0.0003
BGIBMGA008259	281.115	58.285	-2.270	0.0003
BGIBMGA008274	11.549	2.393	-2.271	0.0003
BGIBMGA005071	36.784	7.617	-2.272	0.0003
BGIBMGA004634	1.087	0.225	-2.272	0.0346
BGIBMGA013445	2.600	0.537	-2.274	0.0135
BGIBMGA004856	2.968	0.613	-2.275	0.0367
BGIBMGA001691	31.324	6.472	-2.275	0.0003
BGIBMGA003690	5.249	1.083	-2.278	0.0003
BGIBMGA008631	40.052	8.253	-2.279	0.0101
BGIBMGA014484	16.378	3.373	-2.280	0.0007
BGIBMGA010331	18.297	3.765	-2.281	0.0009
BGIBMGA014363	24.937	5.127	-2.282	0.0003
BGIBMGA013730	23.959	4.924	-2.283	0.0003
BGIBMGA000482	8.463	1.738	-2.284	0.0134
BGIBMGA009749	44.689	9.176	-2.284	0.0003
BGIBMGA000885	213.467	43.816	-2.285	0.0003
BGIBMGA002739	11.026	2.262	-2.285	0.0078
BGIBMGA009224	13.978	2.867	-2.286	0.0007
BGIBMGA011745	157.643	32.289	-2.288	0.0003
BGIBMGA005824	2.213	0.453	-2.289	0.0129
BGIBMGA008436	33.135	6.766	-2.292	0.0003
BGIBMGA002851	64.765	13.218	-2.293	0.0003
BGIBMGA004658	107.400	21.887	-2.295	0.0003
BGIBMGA011826	12.897	2.627	-2.296	0.0020
BGIBMGA008275	24.959	5.083	-2.296	0.0003
BGIBMGA010007	3.521	0.717	-2.296	0.0181
BGIBMGA003821	4.770	0.971	-2.296	0.0288
BGIBMGA001980	19.116	3.887	-2.298	0.0215

BGIBMGA006613	233.937	47.523	-2.299	0.0003
BGIBMGA004656	11.680	2.373	-2.299	0.0003
BGIBMGA007969	120.133	24.369	-2.302	0.0003
BGIBMGA011150	18.343	3.721	-2.302	0.0020
BGIBMGA008779	99.701	20.203	-2.303	0.0003
BGIBMGA006515	57.587	11.665	-2.304	0.0092
BGIBMGA010180	44.955	9.082	-2.307	0.0003
BGIBMGA009883	41.444	8.363	-2.309	0.0003
BGIBMGA003099	12.528	2.526	-2.310	0.0005
BGIBMGA004216	52.944	10.662	-2.312	0.0003
BGIBMGA004534	180.061	36.235	-2.313	0.0003
BGIBMGA003650	10.975	2.207	-2.314	0.0003
BGIBMGA012232	30.219	6.074	-2.315	0.0003
BGIBMGA000204	76.620	15.382	-2.317	0.0003
BGIBMGA005218	37.921	7.612	-2.317	0.0150
BGIBMGA004195	16.732	3.356	-2.318	0.0003
BGIBMGA011630	58.124	11.657	-2.318	0.0003
BGIBMGA005772	208.522	41.815	-2.318	0.0003
BGIBMGA004324	16.922	3.393	-2.318	0.0144
BGIBMGA003435	22.009	4.410	-2.319	0.0003
BGIBMGA007564	51.771	10.369	-2.320	0.0003
BGIBMGA000480	54.371	10.888	-2.320	0.0003
BGIBMGA003964	109.801	21.986	-2.320	0.0003
BGIBMGA006935	62.239	12.438	-2.323	0.0003
BGIBMGA012770	128.992	25.760	-2.324	0.0003
BGIBMGA011755	198.715	39.652	-2.325	0.0003
BGIBMGA012795	61.055	12.175	-2.326	0.0003
BGIBMGA005686	33.235	6.627	-2.326	0.0003
BGIBMGA013442	19.470	3.882	-2.327	0.0003
BGIBMGA012230	107.406	21.408	-2.327	0.0003
BGIBMGA009585	8.280	1.650	-2.327	0.0027
BGIBMGA008155	36.384	7.240	-2.329	0.0003
BGIBMGA007277	13.961	2.777	-2.330	0.0003
BGIBMGA006058	33.876	6.726	-2.332	0.0007
BGIBMGA008636	46.557	9.221	-2.336	0.0062
BGIBMGA009588	18.529	3.663	-2.339	0.0003
BGIBMGA002595	6.157	1.217	-2.339	0.0395
BGIBMGA002090	15.934	3.148	-2.339	0.0025
BGIBMGA009316	7.975	1.576	-2.340	0.0003
BGIBMGA000378	4.479	0.884	-2.341	0.0003
BGIBMGA010117	4.613	0.910	-2.342	0.0227
BGIBMGA007875	216.731	42.657	-2.345	0.0003
BGIBMGA006527	5.196	1.023	-2.345	0.0368
BGIBMGA003147	76.937	15.135	-2.346	0.0003
BGIBMGA005913	13.218	2.598	-2.347	0.0013
BGIBMGA014506	6.306	1.240	-2.347	0.0171
BGIBMGA009228	114.036	22.398	-2.348	0.0003
BGIBMGA010973	373.975	73.440	-2.348	0.0003
BGIBMGA006181	4.312	0.846	-2.349	0.0003
BGIBMGA003515	249.008	48.838	-2.350	0.0003
BGIBMGA002611	106.343	20.853	-2.350	0.0003
BGIBMGA012513	39.405	7.715	-2.353	0.0003
BGIBMGA001045	42.600	8.334	-2.354	0.0003
BGIBMGA010580	66.050	12.921	-2.354	0.0003
BGIBMGA003635	31.251	6.109	-2.355	0.0003
BGIBMGA005627	20.728	4.043	-2.358	0.0003
BGIBMGA009485	2.636	0.513	-2.361	0.0091
BGIBMGA001300	4.595	0.894	-2.361	0.0196
BGIBMGA006284	30.633	5.949	-2.364	0.0029
BGIBMGA010558	10.690	2.075	-2.365	0.0003
BGIBMGA002581	10.393	2.016	-2.366	0.0024
BGIBMGA011353	43.507	8.439	-2.366	0.0003
BGIBMGA013672	54.716	10.606	-2.367	0.0003
BGIBMGA012368	11.220	2.173	-2.368	0.0003
BGIBMGA001111	4.196	0.813	-2.368	0.0334
BGIBMGA001832	18.281	3.524	-2.375	0.0003
BGIBMGA008198	15.530	2.991	-2.376	0.0003
BGIBMGA011504	481.343	92.599	-2.378	0.0003
BGIBMGA013217	40.675	7.809	-2.381	0.0003
BGIBMGA013204	31.870	6.107	-2.384	0.0003
BGIBMGA011360	30.258	5.796	-2.384	0.0003
BGIBMGA000199	79.973	15.313	-2.385	0.0027
BGIBMGA006182	18.810	3.595	-2.388	0.0003
BGIBMGA008592	32.598	6.225	-2.389	0.0003
BGIBMGA000095	32.015	6.113	-2.389	0.0123
BGIBMGA010854	10.377	1.977	-2.392	0.0009
BGIBMGA004677	4.942	0.941	-2.393	0.0151
BGIBMGA010795	38.535	7.328	-2.395	0.0003
BGIBMGA007182	13.184	2.506	-2.395	0.0003
BGIBMGA003478	15.122	2.874	-2.395	0.0013
BGIBMGA013983	109.267	20.755	-2.396	0.0005
BGIBMGA000134	48.500	9.210	-2.397	0.0011
BGIBMGA004146	243.705	46.213	-2.399	0.0003
BGIBMGA002927	36.862	6.987	-2.399	0.0003
BGIBMGA013924	4.111	0.779	-2.400	0.0264
BGIBMGA008190	45.735	8.664	-2.400	0.0003
BGIBMGA004523	33.241	6.281	-2.404	0.0003
BGIBMGA008765	7.201	1.359	-2.405	0.0015
BGIBMGA003208	35.115	6.625	-2.406	0.0003
BGIBMGA002584	423.228	79.825	-2.407	0.0003
BGIBMGA003708	22.013	4.146	-2.409	0.0003
BGIBMGA012668	101.253	19.057	-2.410	0.0003
BGIBMGA011269	15.987	3.007	-2.410	0.0003

BGIBMGA013977	12.211	2.295	-2.412	0.0163
BGIBMGA006678	17.769	3.332	-2.415	0.0003
BGIBMGA005794	234.725	43.976	-2.416	0.0003
BGIBMGA006038	75.158	14.080	-2.416	0.0003
BGIBMGA001444	43.591	8.163	-2.417	0.0003
BGIBMGA000974	100.295	18.777	-2.417	0.0003
BGIBMGA010374	358.804	67.173	-2.417	0.0007
BGIBMGA009403	8.499	1.591	-2.417	0.0011
BGIBMGA011197	35.453	6.632	-2.418	0.0116
BGIBMGA013733	11.223	2.098	-2.419	0.0017
BGIBMGA013872	30.131	5.623	-2.422	0.0003
BGIBMGA014174	27.349	5.095	-2.424	0.0003
BGIBMGA008686	6.084	1.133	-2.425	0.0019
BGIBMGA006274	25.804	4.804	-2.425	0.0003
BGIBMGA013885	114.249	21.232	-2.428	0.0003
BGIBMGA001833	36.090	6.702	-2.429	0.0003
BGIBMGA006954	179.125	33.251	-2.429	0.0003
BGIBMGA014550	56.962	10.551	-2.433	0.0007
BGIBMGA001428	54.186	10.033	-2.433	0.0003
BGIBMGA014596	5.085	0.941	-2.434	0.0392
BGIBMGA006300	143.232	26.505	-2.434	0.0009
BGIBMGA006097	3.970	0.734	-2.436	0.0035
BGIBMGA002861	5.151	0.952	-2.436	0.0017
BGIBMGA002435	94.183	17.390	-2.437	0.0003
BGIBMGA003401	231.998	42.817	-2.438	0.0003
BGIBMGA008562	40.047	7.391	-2.438	0.0003
BGIBMGA002844	10.538	1.943	-2.439	0.0003
BGIBMGA006253	46.955	8.656	-2.440	0.0169
BGIBMGA002760	293.964	54.155	-2.440	0.0003
BGIBMGA011814	19.782	3.643	-2.441	0.0003
BGIBMGA012748	45.741	8.423	-2.441	0.0013
BGIBMGA012699	91.004	16.753	-2.442	0.0003
BGIBMGA010942	28.824	5.304	-2.442	0.0003
BGIBMGA008680	7.953	1.462	-2.444	0.0003
BGIBMGA011341	27.697	5.089	-2.444	0.0003
BGIBMGA007519	111.908	20.531	-2.446	0.0003
BGIBMGA000580	17.978	3.296	-2.448	0.0022
BGIBMGA002131	1.586	0.291	-2.448	0.0047
BGIBMGA007262	15.644	2.867	-2.448	0.0151
BGIBMGA009587	8.478	1.553	-2.449	0.0015
BGIBMGA002746	232.057	42.485	-2.449	0.0003
BGIBMGA002645	7.217	1.320	-2.451	0.0003
BGIBMGA000467	24.129	4.406	-2.453	0.0003
BGIBMGA013842	44.812	8.182	-2.453	0.0003
BGIBMGA009659	28.164	5.142	-2.454	0.0039
BGIBMGA006599	2.413	0.440	-2.454	0.0383
BGIBMGA006612	63.440	11.572	-2.455	0.0003
BGIBMGA005787	65.944	12.022	-2.456	0.0003
BGIBMGA008185	27.408	4.991	-2.457	0.0003
BGIBMGA006460	27.107	4.934	-2.458	0.0003
BGIBMGA011254	35.040	6.376	-2.458	0.0003
BGIBMGA002537	14.952	2.720	-2.459	0.0003
BGIBMGA006095	2.696	0.490	-2.460	0.0255
BGIBMGA012170	11.759	2.135	-2.461	0.0005
BGIBMGA001274	18.451	3.350	-2.461	0.0003
BGIBMGA013186	89.357	16.196	-2.464	0.0003
BGIBMGA013851	15.073	2.731	-2.464	0.0003
BGIBMGA007479	80.608	14.605	-2.464	0.0003
BGIBMGA013312	29.567	5.352	-2.466	0.0045
BGIBMGA003185	66.847	12.098	-2.466	0.0003
BGIBMGA004260	2.327	0.421	-2.467	0.0368
BGIBMGA006304	24.392	4.410	-2.468	0.0083
BGIBMGA014067	20.645	3.731	-2.468	0.0003
BGIBMGA012753	362.766	65.443	-2.471	0.0003
BGIBMGA012839	302.362	54.508	-2.472	0.0007
BGIBMGA005775	40.864	7.362	-2.473	0.0003
BGIBMGA010991	74.859	13.486	-2.473	0.0003
BGIBMGA011582	13.447	2.422	-2.473	0.0245
BGIBMGA013380	19.422	3.492	-2.476	0.0003
BGIBMGA004274	44.489	7.988	-2.478	0.0003
BGIBMGA008648	157.586	28.254	-2.480	0.0003
BGIBMGA007181	71.057	12.695	-2.485	0.0003
BGIBMGA008693	5.689	1.016	-2.485	0.0195
BGIBMGA012918	20.670	3.690	-2.486	0.0003
BGIBMGA008849	16.313	2.912	-2.486	0.0003
BGIBMGA002780	15.733	2.801	-2.490	0.0003
BGIBMGA012920	68.225	12.088	-2.497	0.0011
BGIBMGA011331	17.394	3.076	-2.499	0.0003
BGIBMGA002528	80.336	14.183	-2.502	0.0003
BGIBMGA010897	102.205	18.021	-2.504	0.0003
BGIBMGA008616	3.198	0.564	-2.504	0.0015
BGIBMGA014184	6.155	1.084	-2.505	0.0015
BGIBMGA001171	5.493	0.968	-2.505	0.0379
BGIBMGA008996	11.728	2.064	-2.506	0.0003
BGIBMGA001410	3.928	0.691	-2.507	0.0003
BGIBMGA001380	67.945	11.948	-2.508	0.0003
BGIBMGA001973	37.633	6.613	-2.509	0.0075
BGIBMGA011277	7.010	1.231	-2.509	0.0003
BGIBMGA007894	20.495	3.599	-2.510	0.0003
BGIBMGA002954	9.853	1.729	-2.511	0.0220
BGIBMGA002696	1.923	0.337	-2.512	0.0011
BGIBMGA009546	17.462	3.060	-2.512	0.0009
BGIBMGA011997	14.822	2.596	-2.513	0.0003

BGIBMGA013307	23.536	4.120	-2.514	0.0110
BGIBMGA014231	9.302	1.627	-2.515	0.0003
BGIBMGA013245	97.321	17.001	-2.517	0.0003
BGIBMGA012589	84.959	14.824	-2.519	0.0003
BGIBMGA007573	55.929	9.753	-2.520	0.0003
BGIBMGA009323	97.505	17.002	-2.520	0.0003
BGIBMGA007380	41.420	7.198	-2.525	0.0003
BGIBMGA007486	49.254	8.554	-2.526	0.0003
BGIBMGA004703	26.955	4.671	-2.529	0.0009
BGIBMGA007595	41.879	7.245	-2.531	0.0003
BGIBMGA005181	79.342	13.697	-2.534	0.0069
BGIBMGA004228	20.697	3.571	-2.535	0.0007
BGIBMGA013055	20.926	3.609	-2.536	0.0003
BGIBMGA005362	103.575	17.854	-2.536	0.0009
BGIBMGA009372	26.233	4.521	-2.537	0.0003
BGIBMGA009472	63.607	10.918	-2.543	0.0003
BGIBMGA011404	14.932	2.557	-2.546	0.0003
BGIBMGA001771	68.889	11.787	-2.547	0.0003
BGIBMGA004826	51.113	8.739	-2.548	0.0005
BGIBMGA004118	5.832	0.996	-2.550	0.0003
BGIBMGA013580	63.326	10.808	-2.551	0.0003
BGIBMGA000779	34.326	5.848	-2.553	0.0003
BGIBMGA009335	15.335	2.612	-2.553	0.0003
BGIBMGA007580	17.458	2.974	-2.554	0.0005
BGIBMGA014520	19.561	3.331	-2.554	0.0070
BGIBMGA002877	47.893	8.150	-2.555	0.0003
BGIBMGA010711	108.084	18.391	-2.555	0.0003
BGIBMGA008070	10.593	1.801	-2.556	0.0050
BGIBMGA014042	24.774	4.210	-2.557	0.0003
BGIBMGA008559	15.324	2.604	-2.557	0.0052
BGIBMGA002140	78.558	13.338	-2.558	0.0003
BGIBMGA014011	26.106	4.422	-2.562	0.0003
BGIBMGA010298	31.221	5.288	-2.562	0.0020
BGIBMGA012358	7.147	1.211	-2.562	0.0025
BGIBMGA012667	76.236	12.894	-2.564	0.0003
BGIBMGA009524	13.273	2.242	-2.566	0.0003
BGIBMGA009381	22.565	3.810	-2.566	0.0005
BGIBMGA005835	20.684	3.488	-2.568	0.0003
BGIBMGA007420	127.526	21.479	-2.570	0.0003
BGIBMGA006839	230.675	38.828	-2.571	0.0003
BGIBMGA006948	7.698	1.293	-2.573	0.0005
BGIBMGA013424	10.881	1.826	-2.575	0.0057
BGIBMGA006171	98.589	16.544	-2.575	0.0003
BGIBMGA002531	224.876	37.705	-2.576	0.0003
BGIBMGA002745	23.676	3.968	-2.577	0.0003
BGIBMGA011890	127.944	21.398	-2.580	0.0003
BGIBMGA005587	38.219	6.390	-2.580	0.0003
BGIBMGA013824	14.173	2.369	-2.581	0.0003
BGIBMGA000200	24.639	4.116	-2.582	0.0003
BGIBMGA007837	5.303	0.884	-2.584	0.0030
BGIBMGA007313	19.004	3.162	-2.587	0.0005
BGIBMGA003516	511.639	85.061	-2.589	0.0003
BGIBMGA009990	2.170	0.360	-2.591	0.0236
BGIBMGA007932	37.842	6.279	-2.591	0.0003
BGIBMGA012700	157.771	26.162	-2.592	0.0127
BGIBMGA004674	72.750	12.044	-2.595	0.0003
BGIBMGA011747	89.714	14.850	-2.595	0.0003
BGIBMGA001924	14.708	2.433	-2.596	0.0003
BGIBMGA011102	28.680	4.740	-2.597	0.0003
BGIBMGA011057	145.256	23.965	-2.600	0.0003
BGIBMGA007539	97.774	16.122	-2.600	0.0003
BGIBMGA005887	17.152	2.827	-2.601	0.0003
BGIBMGA010362	9.503	1.565	-2.602	0.0003
BGIBMGA011535	16.687	2.741	-2.606	0.0003
BGIBMGA013724	6.051	0.994	-2.606	0.0236
BGIBMGA010141	48.102	7.899	-2.606	0.0005
BGIBMGA005030	9.590	1.573	-2.608	0.0189
BGIBMGA003060	24.837	4.073	-2.608	0.0226
BGIBMGA006328	82.543	13.479	-2.614	0.0003
BGIBMGA006305	71.915	11.734	-2.616	0.0433
BGIBMGA001110	6.644	1.083	-2.616	0.0355
BGIBMGA007737	452.098	73.719	-2.617	0.0098
BGIBMGA004747	32.474	5.286	-2.619	0.0027
BGIBMGA000033	10.327	1.677	-2.622	0.0048
BGIBMGA000853	82.967	13.469	-2.623	0.0003
BGIBMGA001878	98.054	15.904	-2.624	0.0003
BGIBMGA010518	17.335	2.811	-2.625	0.0003
BGIBMGA000137	70.165	11.373	-2.625	0.0003
BGIBMGA010710	89.417	14.460	-2.629	0.0003
BGIBMGA005085	246.132	39.771	-2.630	0.0003
BGIBMGA007249	22.290	3.599	-2.631	0.0003
BGIBMGA012451	67.238	10.851	-2.631	0.0003
BGIBMGA013353	30.715	4.957	-2.631	0.0003
BGIBMGA002722	53.855	8.687	-2.632	0.0003
BGIBMGA013394	20.021	3.229	-2.632	0.0003
BGIBMGA004579	40.739	6.561	-2.635	0.0003
BGIBMGA008588	20.133	3.242	-2.635	0.0003
BGIBMGA014381	2.080	0.334	-2.637	0.0095
BGIBMGA002183	21.787	3.497	-2.639	0.0009
BGIBMGA012641	74.139	11.879	-2.642	0.0003
BGIBMGA007610	40.191	6.439	-2.642	0.0009
BGIBMGA009432	35.621	5.688	-2.647	0.0009
BGIBMGA007358	172.999	27.619	-2.647	0.0003

BGIBMGA013755	27.691	4.419	-2.648	0.0003
BGIBMGA011285	1.868	0.298	-2.648	0.0350
BGIBMGA005058	1000.820	158.995	-2.654	0.0003
BGIBMGA004861	4.654	0.738	-2.657	0.0108
BGIBMGA006584	129.331	20.491	-2.658	0.0003
BGIBMGA003072	80.540	12.748	-2.659	0.0003
BGIBMGA010249	89.413	14.144	-2.660	0.0003
BGIBMGA001977	22.450	3.546	-2.662	0.0003
BGIBMGA013065	76.291	12.044	-2.663	0.0003
BGIBMGA003013	18.994	2.997	-2.664	0.0017
BGIBMGA002925	38.916	6.130	-2.666	0.0003
BGIBMGA004533	110.661	17.417	-2.668	0.0003
BGIBMGA008512	79.745	12.544	-2.668	0.0003
BGIBMGA001641	29.789	4.683	-2.669	0.0003
BGIBMGA007117	7.904	1.241	-2.671	0.0003
BGIBMGA007992	10.135	1.591	-2.671	0.0047
BGIBMGA005237	7.088	1.112	-2.672	0.0051
BGIBMGA002556	96.874	15.177	-2.674	0.0003
BGIBMGA006675	13.978	2.189	-2.675	0.0005
BGIBMGA003630	67.553	10.566	-2.677	0.0003
BGIBMGA004709	31.484	4.918	-2.679	0.0015
BGIBMGA008643	13.997	2.186	-2.679	0.0003
BGIBMGA007658	78.096	12.140	-2.686	0.0125
BGIBMGA003449	25.676	3.991	-2.686	0.0003
BGIBMGA005365	40.751	6.334	-2.686	0.0003
BGIBMGA009854	50.825	7.890	-2.687	0.0003
BGIBMGA001013	3.242	0.503	-2.689	0.0155
BGIBMGA003399	137.378	21.295	-2.690	0.0003
BGIBMGA001528	70.959	10.992	-2.691	0.0003
BGIBMGA002845	33.119	5.128	-2.691	0.0003
BGIBMGA002843	12.818	1.983	-2.692	0.0003
BGIBMGA006637	41.983	6.487	-2.694	0.0003
BGIBMGA000060	14.134	2.178	-2.698	0.0003
BGIBMGA009586	8.486	1.305	-2.700	0.0003
BGIBMGA002840	62.244	9.569	-2.702	0.0003
BGIBMGA002903	10.418	1.601	-2.702	0.0039
BGIBMGA010256	2.497	0.383	-2.704	0.0096
BGIBMGA001769	70.165	10.762	-2.705	0.0003
BGIBMGA012909	46.440	7.116	-2.706	0.0003
BGIBMGA003082	9.686	1.483	-2.708	0.0103
BGIBMGA012339	17.725	2.710	-2.709	0.0003
BGIBMGA011739	12.634	1.931	-2.710	0.0019
BGIBMGA001350	23.348	3.548	-2.718	0.0003
BGIBMGA010519	19.782	3.006	-2.718	0.0007
BGIBMGA001526	30.685	4.659	-2.719	0.0022
BGIBMGA009215	3.019	0.458	-2.720	0.0075
BGIBMGA006111	2.559	0.388	-2.721	0.0376
BGIBMGA000164	15.304	2.320	-2.721	0.0003
BGIBMGA014029	119.966	18.150	-2.725	0.0003
BGIBMGA002098	49.463	7.478	-2.726	0.0003
BGIBMGA014399	13.672	2.062	-2.729	0.0009
BGIBMGA005562	36.484	5.490	-2.732	0.0003
BGIBMGA013352	2.428	0.365	-2.733	0.0239
BGIBMGA007606	81.169	12.196	-2.734	0.0003
BGIBMGA007442	29.982	4.499	-2.737	0.0062
BGIBMGA014261	14.653	2.199	-2.737	0.0003
BGIBMGA008241	33.651	5.048	-2.737	0.0003
BGIBMGA013512	40.732	6.110	-2.737	0.0003
BGIBMGA008105	27.424	4.107	-2.739	0.0003
BGIBMGA007216	98.298	14.713	-2.740	0.0003
BGIBMGA008102	49.670	7.429	-2.741	0.0007
BGIBMGA008234	183.489	27.433	-2.742	0.0003
BGIBMGA005033	22.616	3.379	-2.742	0.0003
BGIBMGA013036	9.291	1.386	-2.744	0.0243
BGIBMGA008661	74.480	11.105	-2.746	0.0003
BGIBMGA004446	4.855	0.724	-2.746	0.0003
BGIBMGA006686	33.391	4.970	-2.748	0.0003
BGIBMGA009744	2.965	0.441	-2.749	0.0133
BGIBMGA002547	58.588	8.709	-2.750	0.0003
BGIBMGA001424	139.173	20.657	-2.752	0.0003
BGIBMGA001530	2.468	0.366	-2.753	0.0088
BGIBMGA013421	146.369	21.711	-2.753	0.0003
BGIBMGA008132	302.567	44.877	-2.753	0.0003
BGIBMGA005083	140.219	20.731	-2.758	0.0003
BGIBMGA007461	17.950	2.652	-2.759	0.0003
BGIBMGA008553	2.622	0.387	-2.759	0.0059
BGIBMGA002612	15.719	2.319	-2.761	0.0003
BGIBMGA010194	26.968	3.974	-2.763	0.0003
BGIBMGA002433	55.865	8.228	-2.763	0.0003
BGIBMGA014232	8.912	1.312	-2.764	0.0005
BGIBMGA003461	127.081	18.671	-2.767	0.0003
BGIBMGA002265	57.558	8.439	-2.770	0.0003
BGIBMGA003525	24.517	3.594	-2.770	0.0003
BGIBMGA011343	63.327	9.264	-2.773	0.0003
BGIBMGA013794	7.137	1.043	-2.774	0.0003
BGIBMGA005720	146.411	21.402	-2.774	0.0003
BGIBMGA003284	66.320	9.684	-2.776	0.0003
BGIBMGA011289	12.636	1.840	-2.780	0.0003
BGIBMGA007456	167.107	24.322	-2.780	0.0003
BGIBMGA003835	4.509	0.655	-2.784	0.0038
BGIBMGA005713	17.864	2.590	-2.786	0.0178
BGIBMGA011904	2.592	0.375	-2.788	0.0022
BGIBMGA001336	166.910	24.092	-2.792	0.0003

BGIBMGA000912	3.870	0.558	-2.793	0.0190
BGIBMGA000241	8.390	1.211	-2.793	0.0003
BGIBMGA008118	3.549	0.512	-2.793	0.0073
BGIBMGA009552	75.209	10.827	-2.796	0.0003
BGIBMGA011265	25.804	3.712	-2.797	0.0003
BGIBMGA004752	1.445	0.207	-2.801	0.0432
BGIBMGA013310	13.084	1.875	-2.803	0.0141
BGIBMGA005875	20.555	2.945	-2.803	0.0003
BGIBMGA002023	11.765	1.684	-2.804	0.0003
BGIBMGA007467	139.858	19.970	-2.808	0.0003
BGIBMGA000114	26.111	3.726	-2.809	0.0003
BGIBMGA002197	67.411	9.610	-2.810	0.0003
BGIBMGA013479	1.565	0.222	-2.817	0.0223
BGIBMGA006950	358.213	50.834	-2.817	0.0003
BGIBMGA003514	15.457	2.186	-2.822	0.0025
BGIBMGA007993	29.584	4.178	-2.824	0.0003
BGIBMGA011572	126.517	17.863	-2.824	0.0003
BGIBMGA006636	14.473	2.041	-2.826	0.0003
BGIBMGA013368	12.882	1.809	-2.832	0.0003
BGIBMGA002070	60.568	8.435	-2.844	0.0003
BGIBMGA005714	13.908	1.936	-2.845	0.0003
BGIBMGA006067	10.116	1.408	-2.845	0.0005
BGIBMGA008995	15.998	2.220	-2.849	0.0257
BGIBMGA008906	39.088	5.421	-2.850	0.0003
BGIBMGA011951	18.537	2.566	-2.853	0.0201
BGIBMGA008223	26.075	3.609	-2.853	0.0020
BGIBMGA011571	163.290	22.598	-2.853	0.0003
BGIBMGA000379	26.615	3.682	-2.854	0.0003
BGIBMGA014541	22.585	3.121	-2.855	0.0003
BGIBMGA012031	3.087	0.426	-2.856	0.0199
BGIBMGA009899	8.751	1.208	-2.857	0.0109
BGIBMGA008277	31.418	4.337	-2.857	0.0003
BGIBMGA006156	415.698	56.947	-2.868	0.0003
BGIBMGA011925	9.931	1.360	-2.869	0.0013
BGIBMGA013037	16.161	2.210	-2.870	0.0003
BGIBMGA007970	276.719	37.824	-2.871	0.0003
BGIBMGA014312	15.244	2.080	-2.873	0.0039
BGIBMGA001969	1.401	0.191	-2.875	0.0292
BGIBMGA002946	13.521	1.843	-2.875	0.0003
BGIBMGA003998	45.131	6.141	-2.877	0.0003
BGIBMGA003955	55.172	7.497	-2.880	0.0003
BGIBMGA002234	3.211	0.434	-2.887	0.0102
BGIBMGA012150	63.917	8.640	-2.887	0.0298
BGIBMGA010071	167.823	22.533	-2.897	0.0013
BGIBMGA007046	28.196	3.784	-2.898	0.0003
BGIBMGA002591	8.680	1.164	-2.898	0.0003
BGIBMGA013199	55.415	7.427	-2.899	0.0003
BGIBMGA007609	21.621	2.893	-2.902	0.0003
BGIBMGA012856	20.838	2.784	-2.904	0.0003
BGIBMGA012794	87.060	11.622	-2.905	0.0003
BGIBMGA004753	50.325	6.707	-2.907	0.0003
BGIBMGA007600	70.165	9.330	-2.911	0.0003
BGIBMGA006098	5.091	0.677	-2.911	0.0007
BGIBMGA011738	15.458	2.050	-2.915	0.0003
BGIBMGA007444	17.532	2.322	-2.916	0.0032
BGIBMGA011411	50.754	6.710	-2.919	0.0003
BGIBMGA007888	2.221	0.293	-2.921	0.0061
BGIBMGA011191	4.013	0.529	-2.924	0.0079
BGIBMGA002952	79.513	10.473	-2.924	0.0003
BGIBMGA011471	7.031	0.926	-2.925	0.0022
BGIBMGA013940	24.508	3.216	-2.930	0.0030
BGIBMGA008790	9.567	1.251	-2.935	0.0066
BGIBMGA001269	31.123	4.062	-2.938	0.0005
BGIBMGA004417	152.918	19.949	-2.938	0.0003
BGIBMGA003706	16.604	2.165	-2.939	0.0003
BGIBMGA011731	13.723	1.789	-2.939	0.0011
BGIBMGA001768	268.295	34.847	-2.945	0.0003
BGIBMGA012258	5.774	0.748	-2.948	0.0024
BGIBMGA007604	90.963	11.762	-2.951	0.0003
BGIBMGA010026	84.017	10.853	-2.953	0.0003
BGIBMGA013883	3.208	0.414	-2.954	0.0232
BGIBMGA011807	58.081	7.492	-2.955	0.0003
BGIBMGA010699	143.314	18.431	-2.959	0.0003
BGIBMGA007508	27.002	3.470	-2.960	0.0003
BGIBMGA001488	17.683	2.268	-2.963	0.0003
BGIBMGA008374	64.013	8.202	-2.964	0.0003
BGIBMGA002476	56.300	7.209	-2.965	0.0003
BGIBMGA012401	50.272	6.428	-2.967	0.0003
BGIBMGA001557	28.789	3.674	-2.970	0.0003
BGIBMGA002148	1.286	0.164	-2.971	0.0003
BGIBMGA008721	168.052	21.395	-2.974	0.0003
BGIBMGA014460	4.246	0.539	-2.978	0.0118
BGIBMGA004624	7.251	0.919	-2.980	0.0109
BGIBMGA001814	72.120	9.141	-2.980	0.0003
BGIBMGA008104	29.321	3.713	-2.981	0.0178
BGIBMGA003526	45.024	5.699	-2.982	0.0003
BGIBMGA001331	164.092	20.766	-2.982	0.0003
BGIBMGA009825	49.269	6.234	-2.982	0.0003
BGIBMGA008308	6.018	0.761	-2.984	0.0098
BGIBMGA007510	49.754	6.271	-2.988	0.0003
BGIBMGA001935	162.524	20.426	-2.992	0.0003
BGIBMGA002269	6.250	0.782	-2.999	0.0051
BGIBMGA002069	71.005	8.882	-2.999	0.0003

BGIBMGA011726	7.773	0.969	-3.004	0.0372
BGIBMGA002926	39.396	4.892	-3.010	0.0003
BGIBMGA013333	5.146	0.639	-3.011	0.0003
BGIBMGA011261	280.300	34.694	-3.014	0.0003
BGIBMGA000843	22.116	2.736	-3.015	0.0003
BGIBMGA007009	5.544	0.686	-3.016	0.0003
BGIBMGA012104	53.886	6.660	-3.016	0.0003
BGIBMGA012139	86.221	10.623	-3.021	0.0003
BGIBMGA013874	12.424	1.530	-3.022	0.0082
BGIBMGA001601	4.583	0.564	-3.024	0.0110
BGIBMGA012062	25.491	3.133	-3.024	0.0003
BGIBMGA000852	62.475	7.670	-3.026	0.0003
BGIBMGA005054	1741.710	213.353	-3.029	0.0090
BGIBMGA008627	4.657	0.570	-3.030	0.0189
BGIBMGA000792	36.182	4.429	-3.030	0.0003
BGIBMGA004257	7.094	0.867	-3.032	0.0003
BGIBMGA009459	54.796	6.697	-3.032	0.0003
BGIBMGA003795	19.549	2.386	-3.034	0.0005
BGIBMGA007906	69.659	8.502	-3.034	0.0003
BGIBMGA012084	11.761	1.435	-3.035	0.0384
BGIBMGA001373	105.884	12.912	-3.036	0.0003
BGIBMGA002832	54.464	6.633	-3.038	0.0003
BGIBMGA008175	653.151	79.474	-3.039	0.0266
BGIBMGA010813	35.839	4.320	-3.052	0.0017
BGIBMGA013735	12.566	1.513	-3.054	0.0003
BGIBMGA003120	16.019	1.928	-3.055	0.0050
BGIBMGA006165	24.709	2.971	-3.056	0.0003
BGIBMGA006327	59.071	7.100	-3.056	0.0003
BGIBMGA011124	24.544	2.944	-3.060	0.0003
BGIBMGA013997	28.063	3.362	-3.061	0.0003
BGIBMGA005719	41.320	4.948	-3.062	0.0005
BGIBMGA002175	13.323	1.594	-3.063	0.0098
BGIBMGA008317	431.078	51.482	-3.066	0.0003
BGIBMGA009303	61.288	7.282	-3.073	0.0212
BGIBMGA013731	8.922	1.055	-3.079	0.0144
BGIBMGA013196	30.533	3.610	-3.080	0.0017
BGIBMGA001934	149.649	17.589	-3.089	0.0003
BGIBMGA006112	3.704	0.435	-3.090	0.0003
BGIBMGA006005	30.524	3.582	-3.091	0.0003
BGIBMGA008764	5.069	0.593	-3.095	0.0003
BGIBMGA014256	4.205	0.491	-3.099	0.0035
BGIBMGA006577	29.206	3.405	-3.101	0.0005
BGIBMGA002732	10.221	1.189	-3.104	0.0003
BGIBMGA000059	22.817	2.649	-3.107	0.0011
BGIBMGA011565	8.774	1.016	-3.111	0.0033
BGIBMGA000645	9.387	1.084	-3.115	0.0003
BGIBMGA002885	4.781	0.551	-3.116	0.0134
BGIBMGA003316	25.044	2.889	-3.116	0.0027
BGIBMGA007403	12.336	1.422	-3.116	0.0048
BGIBMGA013670	33.873	3.905	-3.117	0.0015
BGIBMGA012796	170.192	19.610	-3.118	0.0003
BGIBMGA005920	40.236	4.630	-3.119	0.0003
BGIBMGA013547	26.720	3.072	-3.121	0.0437
BGIBMGA004429	4.131	0.474	-3.124	0.0371
BGIBMGA010354	61.904	7.091	-3.126	0.0003
BGIBMGA003286	19.905	2.277	-3.128	0.0003
BGIBMGA009173	31.199	3.565	-3.129	0.0104
BGIBMGA003720	11.564	1.314	-3.138	0.0003
BGIBMGA006838	252.898	28.712	-3.139	0.0003
BGIBMGA005773	533.292	60.275	-3.145	0.0003
BGIBMGA008876	15.015	1.696	-3.146	0.0003
BGIBMGA002354	13.819	1.555	-3.152	0.0003
BGIBMGA010363	55.991	6.252	-3.163	0.0003
BGIBMGA007492	29.864	3.332	-3.164	0.0003
BGIBMGA005747	13.373	1.489	-3.167	0.0003
BGIBMGA012303	9.630	1.062	-3.181	0.0041
BGIBMGA008373	26.067	2.860	-3.188	0.0003
BGIBMGA008617	1.836	0.201	-3.191	0.0393
BGIBMGA002499	45.849	5.008	-3.195	0.0003
BGIBMGA002124	17.537	1.913	-3.196	0.0312
BGIBMGA007419	97.248	10.556	-3.204	0.0003
BGIBMGA003982	2.815	0.304	-3.210	0.0078
BGIBMGA006202	20.799	2.244	-3.212	0.0003
BGIBMGA014233	80.757	8.703	-3.214	0.0003
BGIBMGA006664	1.285	0.138	-3.217	0.0200
BGIBMGA013868	10.518	1.131	-3.217	0.0009
BGIBMGA007273	26.509	2.842	-3.222	0.0003
BGIBMGA012022	31.962	3.413	-3.227	0.0003
BGIBMGA011551	57.545	6.135	-3.230	0.0003
BGIBMGA010390	20.548	2.188	-3.231	0.0013
BGIBMGA003432	26.862	2.859	-3.232	0.0257
BGIBMGA009385	252.633	26.889	-3.232	0.0003
BGIBMGA010066	20.780	2.211	-3.233	0.0091
BGIBMGA000761	33.934	3.591	-3.240	0.0005
BGIBMGA002901	3.802	0.401	-3.243	0.0047
BGIBMGA010272	93.845	9.906	-3.244	0.0003
BGIBMGA013414	53.232	5.618	-3.244	0.0054
BGIBMGA005297	1.757	0.185	-3.245	0.0393
BGIBMGA013222	24.732	2.608	-3.245	0.0126
BGIBMGA008800	10.873	1.146	-3.246	0.0017
BGIBMGA005366	21.460	2.261	-3.247	0.0318
BGIBMGA005715	54.048	5.659	-3.256	0.0003
BGIBMGA008639	8.280	0.866	-3.257	0.0079

BGIBMGA004748	30.635	3.202	-3.258	0.0003
BGIBMGA013787	5.771	0.602	-3.261	0.0058
BGIBMGA009333	35.400	3.675	-3.268	0.0003
BGIBMGA000479	26.317	2.726	-3.271	0.0095
BGIBMGA012415	72.420	7.486	-3.274	0.0007
BGIBMGA012359	12.519	1.292	-3.276	0.0003
BGIBMGA010483	4.396	0.452	-3.283	0.0233
BGIBMGA001770	76.444	7.835	-3.286	0.0003
BGIBMGA007404	18.915	1.926	-3.296	0.0003
BGIBMGA014260	18.382	1.868	-3.299	0.0003
BGIBMGA005873	40.155	4.074	-3.301	0.0085
BGIBMGA004578	6.581	0.665	-3.306	0.0379
BGIBMGA003210	2.741	0.277	-3.306	0.0050
BGIBMGA005201	8.693	0.876	-3.311	0.0178
BGIBMGA011405	22.064	2.218	-3.315	0.0003
BGIBMGA013602	56.010	5.617	-3.318	0.0035
BGIBMGA005091	71.591	7.105	-3.333	0.0003
BGIBMGA011425	51.396	5.100	-3.333	0.0003
BGIBMGA005776	146.293	14.461	-3.339	0.0083
BGIBMGA007933	15.253	1.497	-3.349	0.0003
BGIBMGA012382	8.908	0.871	-3.354	0.0047
BGIBMGA013620	7.487	0.731	-3.357	0.0027
BGIBMGA013355	10.964	1.069	-3.358	0.0011
BGIBMGA006801	7.937	0.772	-3.361	0.0003
BGIBMGA004514	12.890	1.253	-3.363	0.0003
BGIBMGA010389	26.302	2.555	-3.364	0.0003
BGIBMGA014028	87.862	8.528	-3.365	0.0003
BGIBMGA011704	11.991	1.161	-3.369	0.0003
BGIBMGA000493	6.293	0.607	-3.373	0.0423
BGIBMGA005178	93.468	9.015	-3.374	0.0003
BGIBMGA007828	14.347	1.383	-3.375	0.0032
BGIBMGA013068	25.405	2.446	-3.377	0.0003
BGIBMGA000483	8.097	0.777	-3.381	0.0011
BGIBMGA003824	149.335	14.270	-3.387	0.0022
BGIBMGA009776	99.883	9.536	-3.389	0.0003
BGIBMGA004535	1636.740	155.286	-3.398	0.0384
BGIBMGA007829	16.152	1.532	-3.398	0.0003
BGIBMGA012908	60.832	5.761	-3.400	0.0003
BGIBMGA013827	13.334	1.261	-3.402	0.0003
BGIBMGA009317	21.302	2.008	-3.407	0.0003
BGIBMGA007588	53.622	5.050	-3.408	0.0003
BGIBMGA014449	5.823	0.547	-3.412	0.0013
BGIBMGA013354	21.789	2.046	-3.413	0.0182
BGIBMGA014469	2.449	0.229	-3.418	0.0199
BGIBMGA006745	6.025	0.560	-3.429	0.0003
BGIBMGA011172	17.337	1.602	-3.436	0.0003
BGIBMGA002102	39.344	3.635	-3.436	0.0003
BGIBMGA001547	101.227	9.333	-3.439	0.0003
BGIBMGA007599	67.338	6.203	-3.440	0.0003
BGIBMGA003705	33.125	3.026	-3.452	0.0003
BGIBMGA010039	12.586	1.147	-3.456	0.0152
BGIBMGA000441	30.466	2.754	-3.468	0.0020
BGIBMGA005685	4.844	0.435	-3.478	0.0003
BGIBMGA014056	4056.890	364.156	-3.478	0.0003
BGIBMGA013177	146.090	12.979	-3.493	0.0095
BGIBMGA004887	3.918	0.348	-3.493	0.0072
BGIBMGA000165	81.413	7.215	-3.496	0.0122
BGIBMGA005744	4.734	0.417	-3.504	0.0007
BGIBMGA014303	103.536	9.112	-3.506	0.0003
BGIBMGA002479	19.823	1.733	-3.516	0.0009
BGIBMGA014195	138.267	12.083	-3.516	0.0158
BGIBMGA003870	13.482	1.171	-3.525	0.0003
BGIBMGA000194	5.895	0.511	-3.529	0.0176
BGIBMGA007372	19.242	1.642	-3.551	0.0003
BGIBMGA008720	1146.690	97.526	-3.556	0.0116
BGIBMGA011706	21.863	1.850	-3.563	0.0003
BGIBMGA000163	28.718	2.425	-3.566	0.0113
BGIBMGA002059	11.277	0.947	-3.574	0.0263
BGIBMGA014199	7.979	0.666	-3.582	0.0358
BGIBMGA001135	6.285	0.525	-3.582	0.0003
BGIBMGA000763	242.816	20.083	-3.596	0.0003
BGIBMGA007373	36.020	2.909	-3.630	0.0019
BGIBMGA005668	27.334	2.205	-3.632	0.0003
BGIBMGA008943	9.820	0.790	-3.636	0.0147
BGIBMGA011740	27.393	2.192	-3.644	0.0020
BGIBMGA002434	30.675	2.443	-3.650	0.0273
BGIBMGA009601	6.748	0.537	-3.653	0.0007
BGIBMGA006013	120.959	9.511	-3.669	0.0003
BGIBMGA004565	216.296	16.976	-3.671	0.0003
BGIBMGA002751	2.589	0.203	-3.675	0.0050
BGIBMGA007787	434.517	33.851	-3.682	0.0003
BGIBMGA011406	55.621	4.316	-3.688	0.0003
BGIBMGA010978	3.800	0.292	-3.704	0.0003
BGIBMGA014255	9.597	0.735	-3.707	0.0030
BGIBMGA011705	14.746	1.128	-3.708	0.0003
BGIBMGA006594	38.876	2.957	-3.716	0.0003
BGIBMGA013607	1.804	0.136	-3.725	0.0183
BGIBMGA000160	49.149	3.710	-3.728	0.0027
BGIBMGA009757	57.960	4.337	-3.740	0.0003
BGIBMGA012097	13.769	1.010	-3.769	0.0017
BGIBMGA008045	6.552	0.480	-3.771	0.0020
BGIBMGA002503	142.868	10.148	-3.815	0.0003
BGIBMGA004418	80.707	5.731	-3.816	0.0003

BGIBMGA013795	3.879	0.275	-3.818	0.0003
BGIBMGA014253	11.101	0.786	-3.821	0.0410
BGIBMGA009645	23.964	1.664	-3.848	0.0015
BGIBMGA003861	420.933	29.197	-3.850	0.0003
BGIBMGA008811	34.212	2.367	-3.853	0.0003
BGIBMGA011868	10.579	0.731	-3.856	0.0047
BGIBMGA006961	21.551	1.486	-3.858	0.0003
BGIBMGA000784	12.034	0.826	-3.865	0.0108
BGIBMGA005286	45.899	3.144	-3.868	0.0003
BGIBMGA008235	12.038	0.813	-3.888	0.0426
BGIBMGA002529	44.172	2.939	-3.910	0.0003
BGIBMGA009172	46.047	3.036	-3.923	0.0003
BGIBMGA002419	41.454	2.715	-3.932	0.0003
BGIBMGA004169	15.889	1.033	-3.943	0.0101
BGIBMGA009412	201.679	12.912	-3.965	0.0003
BGIBMGA013961	2.554	0.162	-3.980	0.0015
BGIBMGA012299	5.899	0.363	-4.024	0.0003
BGIBMGA011041	17.949	1.102	-4.026	0.0433
BGIBMGA005573	72.983	4.419	-4.046	0.0005
BGIBMGA013671	32.575	1.950	-4.062	0.0007
BGIBMGA014262	27.089	1.618	-4.066	0.0171
BGIBMGA011158	127.908	7.590	-4.075	0.0073
BGIBMGA001193	7.967	0.467	-4.092	0.0318
BGIBMGA013356	7.579	0.434	-4.125	0.0413
BGIBMGA003287	17.366	0.994	-4.127	0.0003
BGIBMGA011750	2.614	0.148	-4.145	0.0086
BGIBMGA012208	447.635	25.176	-4.152	0.0158
BGIBMGA011266	6.655	0.370	-4.168	0.0003
BGIBMGA002731	29.712	1.645	-4.175	0.0003
BGIBMGA014051	80.275	4.414	-4.185	0.0003
BGIBMGA008047	384.309	21.069	-4.189	0.0134
BGIBMGA005914	24.557	1.325	-4.213	0.0003
BGIBMGA002828	24.085	1.283	-4.231	0.0166
BGIBMGA013714	5.534	0.293	-4.237	0.0003
BGIBMGA003062	76.936	3.982	-4.272	0.0003
BGIBMGA000242	17.343	0.889	-4.286	0.0003
BGIBMGA010810	22.651	1.155	-4.294	0.0062
BGIBMGA002017	6.913	0.341	-4.344	0.0418
BGIBMGA005633	133.322	6.480	-4.363	0.0003
BGIBMGA000281	23.555	1.134	-4.377	0.0064
BGIBMGA003170	4.917	0.228	-4.432	0.0005
BGIBMGA005730	13.295	0.616	-4.432	0.0058
BGIBMGA003409	9.406	0.431	-4.447	0.0057
BGIBMGA005745	8.031	0.366	-4.457	0.0003
BGIBMGA012167	5.743	0.254	-4.497	0.0180
BGIBMGA008715	372.392	16.393	-4.506	0.0003
BGIBMGA000181	52.287	2.293	-4.511	0.0003
BGIBMGA006922	2.343	0.102	-4.521	0.0424
BGIBMGA001588	150.409	6.384	-4.558	0.0003
BGIBMGA003527	137.045	5.796	-4.563	0.0003
BGIBMGA002061	32.981	1.364	-4.595	0.0036
BGIBMGA002045	17.318	0.715	-4.599	0.0005
BGIBMGA013247	26.559	1.091	-4.605	0.0267
BGIBMGA013006	5.492	0.219	-4.648	0.0003
BGIBMGA006457	4.506	0.180	-4.649	0.0181
BGIBMGA013869	12.471	0.496	-4.652	0.0372
BGIBMGA001807	27.476	1.088	-4.659	0.0003
BGIBMGA009602	11.793	0.462	-4.675	0.0263
BGIBMGA003123	12.782	0.491	-4.702	0.0095
BGIBMGA004395	13.476	0.512	-4.719	0.0312
BGIBMGA001589	88.071	3.002	-4.875	0.0003
BGIBMGA003065	19.151	0.645	-4.893	0.0134
BGIBMGA012735	13.638	0.458	-4.897	0.0007
BGIBMGA014493	61.175	1.992	-4.941	0.0104
BGIBMGA006470	134.260	4.228	-4.989	0.0003
BGIBMGA008942	17.687	0.541	-5.031	0.0024
BGIBMGA013863	24.988	0.757	-5.044	0.0372
BGIBMGA004597	26.750	0.769	-5.120	0.0280
BGIBMGA009617	125.969	3.406	-5.209	0.0003
BGIBMGA009739	105.721	2.662	-5.312	0.0097
BGIBMGA013113	82.728	2.029	-5.350	0.0003
BGIBMGA002598	41.362	0.940	-5.459	0.0070
BGIBMGA014422	1.594	0.034	-5.553	0.0418
BGIBMGA008181	10.655	0.180	-5.888	0.0438
BGIBMGA009306	27.129	0.417	-6.024	0.0003
BGIBMGA011006	31.493	0.478	-6.041	0.0227
BGIBMGA008368	11.062	0.161	-6.104	0.0300
BGIBMGA003848	74.641	0.781	-6.578	0.0022
BGIBMGA007650	89.083	0.873	-6.673	0.0118
BGIBMGA002942	66.880	0.539	-6.956	0.0187
BGIBMGA006663	24.057	0.000	-∞	0.0423
BGIBMGA009078	4.113	0.000	-∞	0.0423
BGIBMGA000606	5.980	0.000	-∞	0.0414
BGIBMGA014305	25.703	0.000	-∞	0.0414
BGIBMGA009673	2.801	0.000	-∞	0.0374
BGIBMGA011147	16.482	0.000	-∞	0.0333
BGIBMGA011255	13.811	0.000	-∞	0.0333
BGIBMGA002801	2.414	0.000	-∞	0.0329
BGIBMGA013947	1.688	0.000	-∞	0.0327
BGIBMGA005225	12.042	0.000	-∞	0.0322
BGIBMGA007115	13.847	0.000	-∞	0.0285
BGIBMGA001199	1.720	0.000	-∞	0.0283
BGIBMGA013911	19.376	0.000	-∞	0.0281

BGIBMGA006758	20.117	0.000	—∞	0.0264
BGIBMGA009843	2.445	0.000	—∞	0.0224
BGIBMGA013344	5.530	0.000	—∞	0.0203
BGIBMGA008662	6.783	0.000	—∞	0.0201
BGIBMGA009507	5.591	0.000	—∞	0.0201
BGIBMGA002276	18.218	0.000	—∞	0.0197
BGIBMGA014165	6.915	0.000	—∞	0.0197
BGIBMGA005020	23.426	0.000	—∞	0.0183
BGIBMGA000039	205.784	0.000	—∞	0.0168
BGIBMGA008338	4.826	0.000	—∞	0.0163
BGIBMGA011564	3.338	0.000	—∞	0.0163
BGIBMGA012243	1.678	0.000	—∞	0.0163
BGIBMGA007316	1.441	0.000	—∞	0.0157
BGIBMGA009600	2.887	0.000	—∞	0.0145
BGIBMGA003873	1.164	0.000	—∞	0.0143
BGIBMGA010705	2.579	0.000	—∞	0.0138
BGIBMGA013123	3.820	0.000	—∞	0.0138
BGIBMGA006096	3.993	0.000	—∞	0.0134
BGIBMGA013444	1.903	0.000	—∞	0.0133
BGIBMGA009713	1.986	0.000	—∞	0.0129
BGIBMGA002706	2.306	0.000	—∞	0.0123
BGIBMGA000954	5.616	0.000	—∞	0.0120
BGIBMGA002298	12.865	0.000	—∞	0.0115
BGIBMGA004869	14.596	0.000	—∞	0.0109
BGIBMGA009628	4.439	0.000	—∞	0.0109
BGIBMGA011670	41.279	0.000	—∞	0.0109
BGIBMGA012736	121.005	0.000	—∞	0.0106
BGIBMGA008618	2.865	0.000	—∞	0.0095
BGIBMGA011497	1.534	0.000	—∞	0.0095
BGIBMGA003869	21.460	0.000	—∞	0.0086
BGIBMGA007214	1.382	0.000	—∞	0.0086
BGIBMGA011959	10.640	0.000	—∞	0.0083
BGIBMGA004033	2.719	0.000	—∞	0.0081
BGIBMGA005221	1.676	0.000	—∞	0.0077
BGIBMGA013769	1.434	0.000	—∞	0.0075
BGIBMGA008777	1.575	0.000	—∞	0.0070
BGIBMGA009860	362.572	0.000	—∞	0.0065
BGIBMGA012442	14.933	0.000	—∞	0.0057
BGIBMGA007991	2.002	0.000	—∞	0.0054
BGIBMGA014070	857.935	0.000	—∞	0.0052
BGIBMGA013716	24.320	0.000	—∞	0.0050
BGIBMGA000700	1.947	0.000	—∞	0.0044
BGIBMGA009457	6.483	0.000	—∞	0.0044
BGIBMGA000277	1.520	0.000	—∞	0.0041
BGIBMGA003128	20.493	0.000	—∞	0.0039
BGIBMGA014391	5.262	0.000	—∞	0.0039
BGIBMGA009662	51.014	0.000	—∞	0.0032
BGIBMGA004026	1.941	0.000	—∞	0.0029
BGIBMGA004111	2.182	0.000	—∞	0.0029
BGIBMGA004490	1.548	0.000	—∞	0.0024
BGIBMGA000342	3.996	0.000	—∞	0.0022
BGIBMGA009545	2.410	0.000	—∞	0.0022
BGIBMGA010692	7.064	0.000	—∞	0.0022
BGIBMGA013825	528.610	0.000	—∞	0.0020
BGIBMGA013905	51.208	0.000	—∞	0.0020
BGIBMGA007445	13.080	0.000	—∞	0.0019
BGIBMGA001284	2.195	0.000	—∞	0.0017
BGIBMGA009950	2.321	0.000	—∞	0.0015
BGIBMGA014471	2.188	0.000	—∞	0.0015
BGIBMGA007246	3.215	0.000	—∞	0.0011
BGIBMGA005072	1.310	0.000	—∞	0.0007
BGIBMGA006033	1.339	0.000	—∞	0.0007
BGIBMGA006170	3.706	0.000	—∞	0.0007
BGIBMGA008703	2.439	0.000	—∞	0.0007
BGIBMGA013040	1.770	0.000	—∞	0.0007
BGIBMGA002344	1132.770	0.000	—∞	0.0005
BGIBMGA005919	13.048	0.000	—∞	0.0005
BGIBMGA013064	1.501	0.000	—∞	0.0005
BGIBMGA000717	2.217	0.000	—∞	0.0003
BGIBMGA000881	1.880	0.000	—∞	0.0003
BGIBMGA001016	9.293	0.000	—∞	0.0003
BGIBMGA001306	1.375	0.000	—∞	0.0003
BGIBMGA001317	3.008	0.000	—∞	0.0003
BGIBMGA001565	3.891	0.000	—∞	0.0003
BGIBMGA001647	7479.560	0.000	—∞	0.0003
BGIBMGA001757	2.016	0.000	—∞	0.0003
BGIBMGA002367	1.698	0.000	—∞	0.0003
BGIBMGA002389	3.921	0.000	—∞	0.0003
BGIBMGA002729	1.489	0.000	—∞	0.0003
BGIBMGA002866	3434.690	0.000	—∞	0.0003
BGIBMGA003227	38.383	0.000	—∞	0.0003
BGIBMGA003517	1.139	0.000	—∞	0.0003
BGIBMGA003790	377.995	0.000	—∞	0.0003
BGIBMGA003903	36.183	0.000	—∞	0.0003
BGIBMGA004399	71.944	0.000	—∞	0.0003
BGIBMGA004746	5.877	0.000	—∞	0.0003
BGIBMGA004771	1.152	0.000	—∞	0.0003
BGIBMGA004864	3.432	0.000	—∞	0.0003
BGIBMGA005236	1.104	0.000	—∞	0.0003
BGIBMGA005260	2.586	0.000	—∞	0.0003
BGIBMGA005746	6.741	0.000	—∞	0.0003
BGIBMGA005915	12.613	0.000	—∞	0.0003
BGIBMGA006070	1.944	0.000	—∞	0.0003

BGIBMGA006293	14.512	0.000	—∞	0.0003
BGIBMGA006410	5.689	0.000	—∞	0.0003
BGIBMGA006471	9.572	0.000	—∞	0.0003
BGIBMGA006487	1104.940	0.000	—∞	0.0003
BGIBMGA006550	2.117	0.000	—∞	0.0003
BGIBMGA006715	2.013	0.000	—∞	0.0003
BGIBMGA006723	2.825	0.000	—∞	0.0003
BGIBMGA006974	2.792	0.000	—∞	0.0003
BGIBMGA007031	65.495	0.000	—∞	0.0003
BGIBMGA007053	1.107	0.000	—∞	0.0003
BGIBMGA007165	5.819	0.000	—∞	0.0003
BGIBMGA007202	1.769	0.000	—∞	0.0003
BGIBMGA007232	211.680	0.000	—∞	0.0003
BGIBMGA007827	16.218	0.000	—∞	0.0003
BGIBMGA008115	3.562	0.000	—∞	0.0003
BGIBMGA008125	6.091	0.000	—∞	0.0003
BGIBMGA008197	19.435	0.000	—∞	0.0003
BGIBMGA008417	58.893	0.000	—∞	0.0003
BGIBMGA009280	3.437	0.000	—∞	0.0003
BGIBMGA009873	40.456	0.000	—∞	0.0003
BGIBMGA010031	1.852	0.000	—∞	0.0003
BGIBMGA010190	35.052	0.000	—∞	0.0003
BGIBMGA010894	1.472	0.000	—∞	0.0003
BGIBMGA010915	12.928	0.000	—∞	0.0003
BGIBMGA011729	33.367	0.000	—∞	0.0003
BGIBMGA011763	180.102	0.000	—∞	0.0003
BGIBMGA011777	1.235	0.000	—∞	0.0003
BGIBMGA011816	17.604	0.000	—∞	0.0003
BGIBMGA011991	1.718	0.000	—∞	0.0003
BGIBMGA012497	58.495	0.000	—∞	0.0003
BGIBMGA012751	16.403	0.000	—∞	0.0003
BGIBMGA013162	1.828	0.000	—∞	0.0003
BGIBMGA013187	6.801	0.000	—∞	0.0003
BGIBMGA013280	1.443	0.000	—∞	0.0003
BGIBMGA013393	4.300	0.000	—∞	0.0003
BGIBMGA013438	1.663	0.000	—∞	0.0003
BGIBMGA013611	8.076	0.000	—∞	0.0003
BGIBMGA013615	292.934	0.000	—∞	0.0003
BGIBMGA013685	8.277	0.000	—∞	0.0003
BGIBMGA013856	2.512	0.000	—∞	0.0003
BGIBMGA013878	14.839	0.000	—∞	0.0003
BGIBMGA013970	12.569	0.000	—∞	0.0003
BGIBMGA014047	4.105	0.000	—∞	0.0003
BGIBMGA014160	4.169	0.000	—∞	0.0003
BGIBMGA014163	6.426	0.000	—∞	0.0003
BGIBMGA014164	5.244	0.000	—∞	0.0003
BGIBMGA014297	976.421	0.000	—∞	0.0003
BGIBMGA014321	33.880	0.000	—∞	0.0003
BGIBMGA014361	31.540	0.000	—∞	0.0003
BGIBMGA014447	1327.020	0.000	—∞	0.0003
BGIBMGA014490	1.902	0.000	—∞	0.0003
