

Supplementary table S7. Information of the differentially expressed genes in brains of the wild and domestic silkworm at the wandering stage (W).

GeneID	FPKM_wild	FPKM_dome	$\log_2(\text{FPKM\_dome}/\text{FPKM\_wild})$	Corrected <i>P</i> -value
<b>Up regulated in domestic silkworm</b>				
BGIBMGA013778	19.436	25680.600	10.368	0.0003
BGIBMGA014178	0.221	57.301	8.017	0.0021
BGIBMGA002689	157.299	36745.100	7.868	0.0003
BGIBMGA014288	13.963	3034.070	7.764	0.0130
BGIBMGA010030	11.153	1776.690	7.316	0.0003
BGIBMGA012651	1.621	214.523	7.048	0.0003
BGIBMGA000330	5.386	535.718	6.636	0.0003
BGIBMGA008687	0.877	81.874	6.544	0.0003
BGIBMGA004793	20.980	1804.250	6.426	0.0003
BGIBMGA014465	6.533	546.406	6.386	0.0003
BGIBMGA002385	0.190	14.108	6.212	0.0299
BGIBMGA009238	0.143	10.259	6.161	0.0041
BGIBMGA013865	5.178	343.988	6.054	0.0003
BGIBMGA004229	2.612	168.257	6.009	0.0003
BGIBMGA003057	0.162	10.236	5.980	0.0109
BGIBMGA013628	2.312	144.486	5.966	0.0003
BGIBMGA013098	1.442	88.078	5.933	0.0003
BGIBMGA000021	45.406	2747.340	5.919	0.0241
BGIBMGA008077	0.400	22.989	5.846	0.0003
BGIBMGA008887	25.398	1398.100	5.783	0.0003
BGIBMGA004075	11.425	618.158	5.758	0.0110
BGIBMGA010029	0.379	18.544	5.611	0.0003
BGIBMGA013879	3.372	157.201	5.543	0.0241
BGIBMGA005013	7.078	322.107	5.508	0.0003
BGIBMGA013576	2.900	128.186	5.466	0.0003
BGIBMGA000840	0.189	8.059	5.413	0.0372
BGIBMGA000269	0.351	14.932	5.412	0.0316
BGIBMGA002908	1.246	52.887	5.408	0.0003
BGIBMGA014278	8.502	351.027	5.368	0.0003
BGIBMGA011764	54.440	2242.680	5.364	0.0003
BGIBMGA003613	8.273	328.454	5.311	0.0063
BGIBMGA006775	14.856	565.723	5.251	0.0003
BGIBMGA012033	6.442	237.142	5.202	0.0003
BGIBMGA006854	3.590	131.679	5.197	0.0009
BGIBMGA009813	0.564	20.541	5.188	0.0034
BGIBMGA011196	30.327	1066.860	5.137	0.0003
BGIBMGA013469	0.305	10.539	5.110	0.0442
BGIBMGA006289	0.716	24.713	5.110	0.0141
BGIBMGA001651	3.664	125.777	5.101	0.0003
BGIBMGA003622	0.049	1.656	5.091	0.0003
BGIBMGA014050	1.596	54.022	5.081	0.0003
BGIBMGA000329	0.502	16.098	5.002	0.0003
BGIBMGA001337	1.141	34.801	4.931	0.0028
BGIBMGA008021	2.228	65.946	4.888	0.0003
BGIBMGA009743	0.082	2.176	4.736	0.0132
BGIBMGA008676	14.165	364.731	4.686	0.0003
BGIBMGA012675	9.135	235.110	4.686	0.0003
BGIBMGA004546	0.147	3.783	4.685	0.0003
BGIBMGA007633	0.955	23.675	4.632	0.0003
BGIBMGA005302	11.802	288.987	4.614	0.0003
BGIBMGA007254	3.718	90.978	4.613	0.0003
BGIBMGA006394	0.492	12.040	4.612	0.0022
BGIBMGA013900	0.332	8.103	4.609	0.0141
BGIBMGA013061	2.335	56.717	4.603	0.0003
BGIBMGA005740	1.785	40.722	4.512	0.0003
BGIBMGA002267	1.112	25.341	4.510	0.0003
BGIBMGA001812	0.534	12.096	4.501	0.0041
BGIBMGA003558	0.294	6.625	4.492	0.0208
BGIBMGA005154	0.913	20.224	4.470	0.0141
BGIBMGA005143	9.175	202.517	4.464	0.0003
BGIBMGA010919	0.377	8.271	4.455	0.0075
BGIBMGA013361	2.009	43.759	4.445	0.0003
BGIBMGA008287	1.446	31.021	4.423	0.0003
BGIBMGA009874	0.762	16.327	4.422	0.0003
BGIBMGA002170	0.129	2.763	4.421	0.0003
BGIBMGA008465	0.313	6.679	4.414	0.0143
BGIBMGA008466	0.608	12.853	4.401	0.0005
BGIBMGA002664	59.800	1239.520	4.374	0.0003
BGIBMGA010579	0.383	7.787	4.346	0.0005
BGIBMGA002436	0.487	9.870	4.341	0.0030
BGIBMGA014505	3.990	78.982	4.307	0.0003
BGIBMGA000043	0.641	12.600	4.297	0.0316
BGIBMGA006529	15.808	307.740	4.283	0.0003
BGIBMGA004363	1.264	24.398	4.271	0.0017
BGIBMGA009047	10.233	196.647	4.264	0.0003
BGIBMGA009959	31.495	603.360	4.260	0.0003
BGIBMGA004484	2.715	51.150	4.236	0.0007
BGIBMGA010161	1.116	20.674	4.212	0.0003

BGIBMGA006643	0.124	2.262	4.190	0.0003
BGIBMGA005277	4.801	87.591	4.190	0.0003
BGIBMGA012972	3.377	61.055	4.176	0.0003
BGIBMGA000804	914.534	16444.300	4.168	0.0003
BGIBMGA006280	31.456	562.687	4.161	0.0208
BGIBMGA009542	1.324	23.593	4.155	0.0003
BGIBMGA007300	0.520	9.227	4.150	0.0266
BGIBMGA004053	70.959	1240.190	4.127	0.0003
BGIBMGA001308	8.021	138.665	4.112	0.0003
BGIBMGA008939	0.167	2.854	4.098	0.0102
BGIBMGA003570	1.336	22.824	4.095	0.0003
BGIBMGA011442	5.464	92.255	4.077	0.0003
BGIBMGA006056	11.439	191.059	4.062	0.0003
BGIBMGA005172	1.698	28.352	4.061	0.0003
BGIBMGA014495	36.086	591.796	4.036	0.0003
BGIBMGA000858	2.865	46.856	4.032	0.0003
BGIBMGA005413	4469.090	70643.000	3.983	0.0003
BGIBMGA012863	0.271	4.235	3.965	0.0011
BGIBMGA005440	0.540	8.421	3.963	0.0077
BGIBMGA012989	1.330	20.544	3.949	0.0003
BGIBMGA013060	11.156	172.096	3.947	0.0132
BGIBMGA013439	2.371	36.574	3.947	0.0003
BGIBMGA008333	0.307	4.639	3.919	0.0225
BGIBMGA011714	152.039	2283.460	3.909	0.0003
BGIBMGA007987	2.560	38.354	3.905	0.0003
BGIBMGA008396	0.526	7.811	3.892	0.0003
BGIBMGA000182	0.184	2.725	3.890	0.0131
BGIBMGA013314	0.883	12.750	3.852	0.0030
BGIBMGA005207	0.383	5.519	3.850	0.0003
BGIBMGA013273	0.839	12.058	3.844	0.0003
BGIBMGA009160	0.225	3.197	3.831	0.0117
BGIBMGA002567	175.941	2495.050	3.826	0.0003
BGIBMGA008839	0.699	9.810	3.810	0.0003
BGIBMGA011550	36.140	492.102	3.767	0.0003
BGIBMGA004566	0.380	5.161	3.762	0.0034
BGIBMGA002690	46.731	632.540	3.759	0.0003
BGIBMGA009136	0.658	8.886	3.755	0.0003
BGIBMGA012031	1.878	25.347	3.755	0.0003
BGIBMGA003061	0.951	12.802	3.751	0.0342
BGIBMGA004737	0.806	10.792	3.743	0.0003
BGIBMGA006662	0.990	13.221	3.740	0.0005
BGIBMGA003203	46.705	621.191	3.733	0.0003
BGIBMGA007546	0.170	2.235	3.716	0.0135
BGIBMGA014468	0.136	1.766	3.700	0.0062
BGIBMGA000429	0.184	2.354	3.676	0.0110
BGIBMGA009958	30.254	380.901	3.654	0.0003
BGIBMGA014498	6.323	79.030	3.644	0.0044
BGIBMGA004042	16.504	202.611	3.618	0.0003
BGIBMGA013182	7.151	86.752	3.601	0.0021
BGIBMGA011000	4.929	59.513	3.594	0.0003
BGIBMGA006255	3.231	38.428	3.572	0.0007
BGIBMGA003944	11.996	141.714	3.562	0.0003
BGIBMGA007626	0.340	3.930	3.533	0.0220
BGIBMGA001161	1.586	18.162	3.517	0.0158
BGIBMGA003710	0.523	5.975	3.515	0.0092
BGIBMGA000298	1.231	14.006	3.509	0.0003
BGIBMGA003176	0.245	2.777	3.502	0.0352
BGIBMGA003415	17.781	199.440	3.488	0.0003
BGIBMGA000336	0.508	5.689	3.487	0.0267
BGIBMGA013592	1.394	15.587	3.483	0.0003
BGIBMGA009027	0.366	4.082	3.479	0.0005
BGIBMGA001919	1.412	15.484	3.455	0.0003
BGIBMGA000857	50.783	555.092	3.450	0.0256
BGIBMGA009096	2.090	22.795	3.447	0.0003
BGIBMGA000738	16.512	179.934	3.446	0.0003
BGIBMGA008519	5.255	56.031	3.415	0.0003
BGIBMGA012199	4.598	48.543	3.400	0.0003
BGIBMGA011226	5.956	62.582	3.393	0.0003
BGIBMGA008416	21.025	219.112	3.382	0.0003
BGIBMGA000402	2.511	25.922	3.368	0.0003
BGIBMGA007994	16.628	171.032	3.363	0.0003
BGIBMGA011012	0.953	9.769	3.358	0.0003
BGIBMGA012289	1.429	14.615	3.354	0.0003
BGIBMGA007159	49.727	508.326	3.354	0.0003
BGIBMGA012841	11.882	120.922	3.347	0.0003
BGIBMGA010232	0.796	8.092	3.347	0.0293
BGIBMGA014072	0.328	3.333	3.344	0.0003
BGIBMGA005259	1.687	17.060	3.338	0.0003
BGIBMGA001780	0.215	2.165	3.334	0.0090
BGIBMGA014314	1.964	19.618	3.320	0.0003
BGIBMGA010963	5.227	51.712	3.306	0.0003
BGIBMGA013416	0.281	2.777	3.303	0.0022

BGIBMGA001907	0.679	6.630	3.287	0.0016
BGIBMGA010772	1.564	15.183	3.280	0.0163
BGIBMGA012947	21.478	207.622	3.273	0.0003
BGIBMGA002286	1.902	18.346	3.270	0.0003
BGIBMGA013991	14.400	137.638	3.257	0.0003
BGIBMGA005185	1.705	16.253	3.253	0.0005
BGIBMGA014329	3.958	37.408	3.241	0.0143
BGIBMGA010386	0.326	3.072	3.238	0.0019
BGIBMGA003120	1.660	15.581	3.230	0.0003
BGIBMGA008204	1.313	12.298	3.227	0.0003
BGIBMGA001684	3.329	31.131	3.225	0.0003
BGIBMGA009488	1.076	10.031	3.221	0.0003
BGIBMGA011717	27.607	256.852	3.218	0.0080
BGIBMGA007065	0.247	2.290	3.213	0.0021
BGIBMGA009444	0.710	6.560	3.208	0.0009
BGIBMGA009178	0.514	4.710	3.196	0.0003
BGIBMGA002329	1.077	9.813	3.188	0.0003
BGIBMGA000868	14.247	129.453	3.184	0.0003
BGIBMGA012521	5.997	54.034	3.171	0.0003
BGIBMGA008912	1.532	13.569	3.147	0.0003
BGIBMGA008221	68.826	608.273	3.144	0.0003
BGIBMGA007521	1.762	15.573	3.144	0.0031
BGIBMGA003646	0.397	3.457	3.122	0.0003
BGIBMGA002198	3.464	29.861	3.108	0.0063
BGIBMGA010111	1.230	10.522	3.097	0.0003
BGIBMGA005397	42.076	358.051	3.089	0.0003
BGIBMGA004483	2.601	22.106	3.087	0.0012
BGIBMGA006248	34.959	295.210	3.078	0.0195
BGIBMGA005485	21.871	184.254	3.075	0.0003
BGIBMGA006319	2.949	24.822	3.073	0.0003
BGIBMGA007278	0.555	4.635	3.063	0.0012
BGIBMGA001164	299.453	2497.540	3.060	0.0003
BGIBMGA007069	132.384	1102.280	3.058	0.0003
BGIBMGA009572	8.100	67.214	3.053	0.0003
BGIBMGA005891	2.419	19.794	3.033	0.0120
BGIBMGA009036	16.797	136.700	3.025	0.0022
BGIBMGA011086	14.430	116.453	3.013	0.0003
BGIBMGA006623	0.833	6.723	3.012	0.0003
BGIBMGA006872	19.882	160.220	3.011	0.0003
BGIBMGA012942	2.852	22.872	3.003	0.0012
BGIBMGA005817	1.480	11.779	2.993	0.0083
BGIBMGA007907	0.705	5.612	2.992	0.0003
BGIBMGA010890	9.573	75.814	2.985	0.0111
BGIBMGA011047	0.700	5.540	2.984	0.0003
BGIBMGA001034	3.830	30.167	2.977	0.0003
BGIBMGA004205	0.431	3.389	2.976	0.0022
BGIBMGA009479	0.482	3.761	2.964	0.0191
BGIBMGA010153	2.600	20.139	2.953	0.0003
BGIBMGA008023	0.223	1.705	2.935	0.0003
BGIBMGA011453	0.207	1.579	2.934	0.0138
BGIBMGA006514	63.540	484.338	2.930	0.0003
BGIBMGA011209	7.360	56.078	2.930	0.0003
BGIBMGA010500	0.688	5.237	2.928	0.0003
BGIBMGA009799	8.611	65.023	2.917	0.0003
BGIBMGA011725	0.412	3.106	2.916	0.0275
BGIBMGA001469	23.963	180.641	2.914	0.0003
BGIBMGA001862	118.392	881.239	2.896	0.0003
BGIBMGA001830	13.580	100.775	2.892	0.0003
BGIBMGA012585	4.531	33.588	2.890	0.0003
BGIBMGA005721	4.740	35.039	2.886	0.0140
BGIBMGA001773	3.708	27.237	2.877	0.0003
BGIBMGA014198	0.234	1.714	2.873	0.0092
BGIBMGA014594	4.738	34.715	2.873	0.0003
BGIBMGA005155	0.988	7.231	2.872	0.0009
BGIBMGA000563	73.334	536.501	2.871	0.0003
BGIBMGA005144	11.726	85.762	2.871	0.0003
BGIBMGA012166	0.149	1.087	2.871	0.0376
BGIBMGA002600	5.751	42.026	2.869	0.0003
BGIBMGA007853	14.122	103.112	2.868	0.0105
BGIBMGA014091	8.135	59.198	2.863	0.0003
BGIBMGA007678	20.006	144.208	2.850	0.0003
BGIBMGA000328	9.767	70.011	2.842	0.0003
BGIBMGA009944	5.337	38.259	2.842	0.0003
BGIBMGA006061	1.162	8.288	2.834	0.0003
BGIBMGA003047	0.645	4.587	2.831	0.0058
BGIBMGA014205	53.597	379.011	2.822	0.0003
BGIBMGA012375	0.689	4.864	2.819	0.0047
BGIBMGA002430	2.010	14.121	2.812	0.0003
BGIBMGA007683	106.385	746.987	2.812	0.0003
BGIBMGA006519	0.255	1.783	2.809	0.0036
BGIBMGA009159	54.042	378.060	2.806	0.0003
BGIBMGA004306	3.178	22.227	2.806	0.0003

BGIBMGA005345	0.560	3.910	2.804	0.0151
BGIBMGA000624	0.900	6.259	2.798	0.0003
BGIBMGA004400	0.274	1.900	2.792	0.0205
BGIBMGA000371	0.433	2.999	2.791	0.0193
BGIBMGA009105	20.966	144.878	2.789	0.0003
BGIBMGA010842	0.325	2.238	2.785	0.0186
BGIBMGA003541	4.990	34.366	2.784	0.0014
BGIBMGA013775	0.529	3.627	2.777	0.0376
BGIBMGA000010	0.725	4.943	2.770	0.0036
BGIBMGA011002	1.409	9.586	2.766	0.0003
BGIBMGA009354	9.852	66.984	2.765	0.0077
BGIBMGA008096	5.594	37.816	2.757	0.0003
BGIBMGA014481	41.277	275.895	2.741	0.0003
BGIBMGA011013	1.466	9.748	2.733	0.0003
BGIBMGA004065	316.280	2089.060	2.724	0.0003
BGIBMGA014619	1.211	7.970	2.718	0.0016
BGIBMGA007085	0.604	3.954	2.710	0.0449
BGIBMGA014073	0.757	4.917	2.700	0.0017
BGIBMGA007648	7.489	48.649	2.700	0.0003
BGIBMGA002384	0.986	6.361	2.689	0.0003
BGIBMGA004037	20.814	133.524	2.682	0.0003
BGIBMGA013529	1.549	9.914	2.678	0.0003
BGIBMGA013652	1.003	6.400	2.674	0.0003
BGIBMGA011212	2.785	17.739	2.671	0.0427
BGIBMGA000094	3.950	25.090	2.667	0.0040
BGIBMGA008253	0.169	1.067	2.660	0.0115
BGIBMGA005034	0.808	5.100	2.659	0.0058
BGIBMGA012991	3.831	24.104	2.653	0.0003
BGIBMGA003939	76.343	477.371	2.645	0.0011
BGIBMGA013372	4.089	25.546	2.643	0.0003
BGIBMGA006335	0.354	2.206	2.639	0.0036
BGIBMGA003270	4.597	28.611	2.638	0.0003
BGIBMGA002071	2.191	13.597	2.634	0.0005
BGIBMGA012425	12.420	76.949	2.631	0.0003
BGIBMGA002043	0.284	1.757	2.627	0.0009
BGIBMGA009689	0.740	4.571	2.626	0.0046
BGIBMGA006297	11.204	68.772	2.618	0.0003
BGIBMGA005788	61.189	373.864	2.611	0.0003
BGIBMGA006239	79.771	485.569	2.606	0.0003
BGIBMGA014464	2.461	14.966	2.604	0.0003
BGIBMGA012090	1.609	9.733	2.596	0.0017
BGIBMGA008575	0.392	2.367	2.595	0.0003
BGIBMGA013274	3.080	18.407	2.579	0.0003
BGIBMGA003508	8.709	51.866	2.574	0.0003
BGIBMGA009707	14.998	89.306	2.574	0.0003
BGIBMGA008064	34.668	205.699	2.569	0.0003
BGIBMGA008539	2.126	12.601	2.567	0.0003
BGIBMGA004206	0.565	3.346	2.567	0.0048
BGIBMGA000418	4.755	28.007	2.558	0.0003
BGIBMGA002704	1.575	9.266	2.557	0.0062
BGIBMGA010716	1.331	7.831	2.557	0.0003
BGIBMGA011077	9.920	58.059	2.549	0.0003
BGIBMGA011698	1.159	6.670	2.524	0.0128
BGIBMGA003719	43.308	248.992	2.523	0.0003
BGIBMGA010439	156.124	896.509	2.522	0.0003
BGIBMGA014266	0.432	2.463	2.512	0.0007
BGIBMGA014179	18.967	107.730	2.506	0.0003
BGIBMGA009338	6.801	38.443	2.499	0.0003
BGIBMGA012766	72.373	405.423	2.486	0.0003
BGIBMGA001841	8.731	48.859	2.484	0.0003
BGIBMGA004397	2.326	12.967	2.479	0.0005
BGIBMGA008072	24.359	135.652	2.477	0.0003
BGIBMGA011607	41.129	227.868	2.470	0.0003
BGIBMGA009064	5.386	29.787	2.467	0.0003
BGIBMGA011926	1250.010	6887.380	2.462	0.0003
BGIBMGA008990	4.445	24.466	2.461	0.0003
BGIBMGA002734	1.377	7.572	2.459	0.0208
BGIBMGA008222	160.300	878.663	2.455	0.0003
BGIBMGA011129	4.096	22.407	2.452	0.0003
BGIBMGA010482	0.334	1.821	2.445	0.0294
BGIBMGA012356	2349.540	12708.500	2.435	0.0003
BGIBMGA012371	6.447	34.666	2.427	0.0003
BGIBMGA005250	48.328	258.720	2.420	0.0003
BGIBMGA007854	2.712	14.421	2.411	0.0003
BGIBMGA012351	0.345	1.832	2.407	0.0177
BGIBMGA010143	1.289	6.817	2.403	0.0057
BGIBMGA013998	20.357	107.197	2.397	0.0003
BGIBMGA006485	2.015	10.556	2.389	0.0012
BGIBMGA008663	195.113	1020.770	2.387	0.0003
BGIBMGA013747	1.331	6.960	2.387	0.0142
BGIBMGA014494	218.139	1136.940	2.382	0.0003
BGIBMGA010913	62.754	326.765	2.380	0.0003

BGIBMGA009278	81.839	424.293	2.374	0.0060
BGIBMGA007253	1.340	6.914	2.368	0.0003
BGIBMGA013995	7.974	40.948	2.360	0.0003
BGIBMGA002461	57.176	293.602	2.360	0.0003
BGIBMGA014126	8.607	44.124	2.358	0.0003
BGIBMGA007094	0.649	3.323	2.357	0.0067
BGIBMGA007184	1.216	6.225	2.356	0.0005
BGIBMGA010948	1.265	6.474	2.356	0.0003
BGIBMGA013688	5.121	26.197	2.355	0.0003
BGIBMGA010313	12.380	63.190	2.352	0.0003
BGIBMGA010281	1.083	5.510	2.347	0.0003
BGIBMGA001613	1.381	7.027	2.347	0.0003
BGIBMGA011903	62.143	314.974	2.342	0.0323
BGIBMGA007324	0.695	3.520	2.340	0.0017
BGIBMGA014226	0.941	4.753	2.336	0.0003
BGIBMGA010483	0.483	2.434	2.332	0.0041
BGIBMGA011930	86.374	434.242	2.330	0.0003
BGIBMGA006152	0.225	1.126	2.323	0.0114
BGIBMGA003781	0.341	1.702	2.318	0.0220
BGIBMGA007281	10.752	53.561	2.317	0.0003
BGIBMGA012424	17.308	86.083	2.314	0.0003
BGIBMGA003339	87.228	433.531	2.313	0.0003
BGIBMGA000496	13.278	65.925	2.312	0.0003
BGIBMGA003032	204.588	1014.880	2.311	0.0003
BGIBMGA009659	2.570	12.743	2.310	0.0005
BGIBMGA007068	528.680	2618.310	2.308	0.0012
BGIBMGA008377	2.562	12.665	2.305	0.0444
BGIBMGA001273	0.244	1.200	2.296	0.0390
BGIBMGA003973	0.563	2.762	2.294	0.0003
BGIBMGA000419	3.653	17.811	2.286	0.0003
BGIBMGA010337	1087.100	5293.040	2.284	0.0003
BGIBMGA001999	1.832	8.892	2.279	0.0051
BGIBMGA012872	0.246	1.189	2.273	0.0112
BGIBMGA006467	1.651	7.975	2.272	0.0003
BGIBMGA005458	0.493	2.378	2.271	0.0192
BGIBMGA002798	1.270	6.119	2.269	0.0025
BGIBMGA010544	8.028	38.671	2.268	0.0003
BGIBMGA011834	36.252	174.539	2.267	0.0003
BGIBMGA009758	8.583	41.288	2.266	0.0003
BGIBMGA013926	0.461	2.215	2.266	0.0086
BGIBMGA002777	377.307	1804.990	2.258	0.0003
BGIBMGA002696	0.321	1.532	2.254	0.0003
BGIBMGA013932	0.459	2.186	2.252	0.0083
BGIBMGA001202	14.974	71.084	2.247	0.0099
BGIBMGA013049	12.141	57.615	2.247	0.0003
BGIBMGA012360	0.303	1.427	2.236	0.0011
BGIBMGA011459	571.612	2692.130	2.236	0.0003
BGIBMGA009680	10.336	48.545	2.232	0.0003
BGIBMGA001500	66.440	311.877	2.231	0.0003
BGIBMGA012423	8.760	41.115	2.231	0.0003
BGIBMGA012102	37.315	173.709	2.219	0.0003
BGIBMGA011852	10.974	50.990	2.216	0.0003
BGIBMGA004855	1.016	4.714	2.214	0.0028
BGIBMGA013295	55.154	255.918	2.214	0.0003
BGIBMGA006886	3.147	14.599	2.214	0.0003
BGIBMGA004031	3.461	16.034	2.212	0.0003
BGIBMGA006553	20.603	95.337	2.210	0.0074
BGIBMGA006278	3.703	17.133	2.210	0.0003
BGIBMGA000908	0.865	4.001	2.210	0.0090
BGIBMGA004197	7.335	33.911	2.209	0.0003
BGIBMGA008524	1.191	5.499	2.207	0.0003
BGIBMGA008910	68.595	316.499	2.206	0.0003
BGIBMGA005015	3.923	18.100	2.206	0.0003
BGIBMGA012695	48.082	221.726	2.205	0.0080
BGIBMGA005005	3.316	15.250	2.201	0.0003
BGIBMGA006083	1.281	5.889	2.200	0.0024
BGIBMGA008362	0.670	3.075	2.198	0.0189
BGIBMGA010985	2.247	10.304	2.197	0.0007
BGIBMGA008603	2.159	9.889	2.195	0.0027
BGIBMGA010112	0.374	1.713	2.195	0.0025
BGIBMGA006576	1.280	5.853	2.194	0.0252
BGIBMGA008438	3.705	16.928	2.192	0.0005
BGIBMGA001630	4.206	19.059	2.180	0.0003
BGIBMGA005080	2.513	11.350	2.175	0.0003
BGIBMGA011640	103.823	468.413	2.174	0.0003
BGIBMGA012386	1.895	8.538	2.171	0.0003
BGIBMGA004806	1.051	4.724	2.168	0.0003
BGIBMGA008521	100.129	447.887	2.161	0.0003
BGIBMGA001030	87.235	389.288	2.158	0.0003
BGIBMGA013937	7.346	32.767	2.157	0.0003
BGIBMGA012426	67.740	301.910	2.156	0.0003
BGIBMGA002216	34.691	154.566	2.156	0.0003

BGIBMGA010704	0.503	2.231	2.151	0.0074
BGIBMGA001325	220.560	978.488	2.149	0.0003
BGIBMGA004000	18.023	79.510	2.141	0.0003
BGIBMGA006510	24.706	108.964	2.141	0.0003
BGIBMGA007899	16.386	71.904	2.134	0.0003
BGIBMGA010411	13.243	57.946	2.130	0.0209
BGIBMGA008954	36.239	158.463	2.129	0.0003
BGIBMGA009498	1.528	6.679	2.128	0.0003
BGIBMGA007901	0.897	3.910	2.125	0.0188
BGIBMGA011713	630.491	2741.420	2.120	0.0003
BGIBMGA011609	16.819	73.086	2.120	0.0003
BGIBMGA000844	2.372	10.291	2.117	0.0003
BGIBMGA000430	2.167	9.402	2.117	0.0005
BGIBMGA002238	0.520	2.251	2.115	0.0268
BGIBMGA000490	6.456	27.898	2.111	0.0070
BGIBMGA005729	2.000	8.569	2.099	0.0005
BGIBMGA001707	2.180	9.339	2.099	0.0003
BGIBMGA010652	0.455	1.948	2.097	0.0065
BGIBMGA009145	1.295	5.539	2.096	0.0099
BGIBMGA009863	3737.490	15921.200	2.091	0.0003
BGIBMGA003341	6.968	29.626	2.088	0.0003
BGIBMGA006206	25.203	107.045	2.087	0.0201
BGIBMGA013114	18.137	76.948	2.085	0.0003
BGIBMGA007544	9.405	39.874	2.084	0.0003
BGIBMGA005651	23.729	100.516	2.083	0.0003
BGIBMGA014461	0.998	4.221	2.081	0.0016
BGIBMGA009776	28.169	119.148	2.081	0.0003
BGIBMGA007013	90.957	384.460	2.080	0.0003
BGIBMGA010943	15.568	65.653	2.076	0.0003
BGIBMGA001879	7.524	31.707	2.075	0.0003
BGIBMGA004482	5.652	23.762	2.072	0.0003
BGIBMGA008217	14.562	60.998	2.067	0.0003
BGIBMGA011408	3.152	13.195	2.066	0.0003
BGIBMGA007903	3.964	16.527	2.060	0.0003
BGIBMGA006074	19.078	79.289	2.055	0.0291
BGIBMGA009940	19.166	79.601	2.054	0.0012
BGIBMGA001146	0.815	3.384	2.053	0.0059
BGIBMGA010835	1.993	8.257	2.051	0.0022
BGIBMGA014006	8.907	36.895	2.050	0.0033
BGIBMGA004367	1.755	7.268	2.050	0.0441
BGIBMGA004326	3.047	12.596	2.048	0.0003
BGIBMGA013646	5.103	21.083	2.047	0.0003
BGIBMGA001745	4.165	17.199	2.046	0.0003
BGIBMGA010479	8.889	36.665	2.044	0.0007
BGIBMGA013782	10.506	43.304	2.043	0.0019
BGIBMGA000428	2.518	10.372	2.043	0.0007
BGIBMGA012070	1.044	4.300	2.042	0.0200
BGIBMGA002561	2.908	11.977	2.042	0.0262
BGIBMGA001201	6.297	25.900	2.040	0.0003
BGIBMGA013048	16.210	66.597	2.039	0.0003
BGIBMGA010235	2.486	10.210	2.038	0.0003
BGIBMGA014104	2.135	8.754	2.036	0.0105
BGIBMGA009731	283.936	1164.330	2.036	0.0003
BGIBMGA003344	29.124	119.159	2.033	0.0003
BGIBMGA005149	14.527	59.306	2.029	0.0003
BGIBMGA009571	14.845	60.509	2.027	0.0003
BGIBMGA010812	0.426	1.730	2.021	0.0067
BGIBMGA012968	2.609	10.572	2.019	0.0003
BGIBMGA006381	93.469	377.813	2.015	0.0003
BGIBMGA007029	3.404	13.732	2.012	0.0057
BGIBMGA008838	5.584	22.522	2.012	0.0003
BGIBMGA006371	1.993	8.016	2.008	0.0003
BGIBMGA005565	27.970	112.389	2.007	0.0003
BGIBMGA004745	7.452	29.867	2.003	0.0003
BGIBMGA012308	4.995	19.957	1.998	0.0003
BGIBMGA010717	0.732	2.917	1.995	0.0149
BGIBMGA008248	24.723	98.357	1.992	0.0003
BGIBMGA009775	8.965	35.630	1.991	0.0003
BGIBMGA000681	1.656	6.580	1.990	0.0003
BGIBMGA000845	5.053	20.066	1.990	0.0003
BGIBMGA000398	26.294	104.276	1.988	0.0003
BGIBMGA011252	5.705	22.605	1.986	0.0003
BGIBMGA003592	633.545	2508.470	1.985	0.0003
BGIBMGA013705	1.210	4.787	1.984	0.0037
BGIBMGA012979	1.976	7.804	1.981	0.0066
BGIBMGA008923	0.352	1.386	1.978	0.0182
BGIBMGA012984	10.791	42.482	1.977	0.0009
BGIBMGA002998	16.328	64.225	1.976	0.0003
BGIBMGA014140	34.581	135.772	1.973	0.0003
BGIBMGA011424	24.351	95.335	1.969	0.0003
BGIBMGA011239	4.685	18.325	1.968	0.0093
BGIBMGA006131	0.515	2.006	1.962	0.0405

BGIBMGA012654	0.784	3.049	1.959	0.0139
BGIBMGA003411	11.615	45.112	1.957	0.0003
BGIBMGA004040	28.893	111.622	1.950	0.0003
BGIBMGA012939	65.832	253.982	1.948	0.0003
BGIBMGA004329	102.319	394.575	1.947	0.0003
BGIBMGA003225	19.683	75.761	1.944	0.0003
BGIBMGA009956	1001.880	3839.190	1.938	0.0003
BGIBMGA000920	0.549	2.092	1.931	0.0268
BGIBMGA000343	3.982	15.181	1.931	0.0279
BGIBMGA009056	53.611	204.020	1.928	0.0003
BGIBMGA009035	4.285	16.297	1.927	0.0003
BGIBMGA010889	4.526	17.159	1.923	0.0003
BGIBMGA008034	4.307	16.257	1.916	0.0003
BGIBMGA001523	58.428	220.167	1.914	0.0208
BGIBMGA008949	7.515	28.246	1.910	0.0003
BGIBMGA009990	2.657	9.980	1.909	0.0003
BGIBMGA003368	9.192	34.510	1.909	0.0003
BGIBMGA011440	1.994	7.476	1.907	0.0050
BGIBMGA009643	0.574	2.151	1.905	0.0177
BGIBMGA004322	4.410	16.505	1.904	0.0003
BGIBMGA011681	51.372	191.765	1.900	0.0003
BGIBMGA005414	21.090	78.665	1.899	0.0003
BGIBMGA004243	3.525	13.124	1.897	0.0003
BGIBMGA010726	2.246	8.361	1.896	0.0003
BGIBMGA012924	17.014	63.161	1.892	0.0003
BGIBMGA007275	6.619	24.561	1.892	0.0036
BGIBMGA005899	56.553	209.599	1.890	0.0003
BGIBMGA004323	6.640	24.577	1.888	0.0003
BGIBMGA004867	4.216	15.594	1.887	0.0019
BGIBMGA006380	9.106	33.642	1.885	0.0181
BGIBMGA003404	34.471	127.354	1.885	0.0003
BGIBMGA009151	2.737	10.104	1.884	0.0003
BGIBMGA007572	1.882	6.943	1.884	0.0003
BGIBMGA013746	410.622	1508.560	1.877	0.0003
BGIBMGA006944	499.765	1835.990	1.877	0.0003
BGIBMGA010914	3.539	12.991	1.876	0.0068
BGIBMGA004959	7.955	29.185	1.875	0.0003
BGIBMGA012539	0.657	2.406	1.873	0.0068
BGIBMGA002160	0.471	1.721	1.870	0.0077
BGIBMGA011417	25.660	93.748	1.869	0.0003
BGIBMGA007947	52.520	191.796	1.869	0.0003
BGIBMGA000291	7.409	27.053	1.868	0.0005
BGIBMGA012441	3.272	11.945	1.868	0.0003
BGIBMGA010122	3.103	11.306	1.865	0.0003
BGIBMGA004689	1.089	3.969	1.865	0.0003
BGIBMGA011457	7.996	29.069	1.862	0.0007
BGIBMGA003920	7.554	27.450	1.862	0.0003
BGIBMGA006329	51.041	185.439	1.861	0.0003
BGIBMGA011574	15.075	54.746	1.861	0.0003
BGIBMGA014411	50.433	183.133	1.860	0.0003
BGIBMGA011246	397.679	1439.630	1.856	0.0003
BGIBMGA009230	16.215	58.687	1.856	0.0003
BGIBMGA010693	2.910	10.477	1.848	0.0028
BGIBMGA012706	1.852	6.667	1.848	0.0003
BGIBMGA012137	6.501	23.382	1.847	0.0003
BGIBMGA012453	1.973	7.092	1.846	0.0003
BGIBMGA000929	2.645	9.480	1.842	0.0300
BGIBMGA004420	0.911	3.263	1.841	0.0082
BGIBMGA003974	1189.230	4258.280	1.840	0.0003
BGIBMGA006423	13.493	48.294	1.840	0.0003
BGIBMGA004580	5.586	19.987	1.839	0.0003
BGIBMGA010306	0.919	3.285	1.837	0.0060
BGIBMGA012729	6.398	22.858	1.837	0.0003
BGIBMGA000125	24.423	87.147	1.835	0.0003
BGIBMGA014536	3.932	14.018	1.834	0.0003
BGIBMGA004788	1.388	4.945	1.833	0.0014
BGIBMGA001287	27.585	98.204	1.832	0.0005
BGIBMGA005390	2.954	10.512	1.831	0.0007
BGIBMGA005006	27.217	96.681	1.829	0.0003
BGIBMGA006599	4.931	17.515	1.829	0.0003
BGIBMGA009948	10.019	35.580	1.828	0.0099
BGIBMGA012091	2.111	7.465	1.822	0.0016
BGIBMGA010093	0.882	3.119	1.822	0.0370
BGIBMGA011409	4.791	16.929	1.821	0.0003
BGIBMGA003340	78.908	278.647	1.820	0.0003
BGIBMGA011385	2.793	9.822	1.814	0.0003
BGIBMGA012645	6.244	21.880	1.809	0.0024
BGIBMGA013066	7.890	27.627	1.808	0.0007
BGIBMGA006406	11.232	39.251	1.805	0.0003
BGIBMGA004101	2.476	8.652	1.805	0.0005
BGIBMGA010355	55.455	192.646	1.797	0.0232
BGIBMGA007709	164.630	570.988	1.794	0.0003

BGIBMGA003481	59.983	207.936	1.794	0.0003
BGIBMGA008038	95.714	331.674	1.793	0.0003
BGIBMGA000613	8.437	29.204	1.791	0.0003
BGIBMGA009218	19.623	67.909	1.791	0.0003
BGIBMGA004436	15.509	53.656	1.791	0.0003
BGIBMGA011972	320.919	1110.020	1.790	0.0003
BGIBMGA000348	3.135	10.823	1.788	0.0005
BGIBMGA009344	9.965	34.398	1.787	0.0003
BGIBMGA009580	8.273	28.517	1.785	0.0413
BGIBMGA009599	24.974	86.038	1.785	0.0003
BGIBMGA014227	4.575	15.739	1.782	0.0003
BGIBMGA001845	4.864	16.722	1.782	0.0003
BGIBMGA001031	2.122	7.294	1.781	0.0009
BGIBMGA013993	7.251	24.912	1.780	0.0022
BGIBMGA009708	11.461	39.336	1.779	0.0003
BGIBMGA000210	1.150	3.944	1.779	0.0181
BGIBMGA013530	2.821	9.667	1.777	0.0003
BGIBMGA005787	2.861	9.789	1.775	0.0098
BGIBMGA001913	17.861	60.956	1.771	0.0003
BGIBMGA009518	15.398	52.538	1.771	0.0003
BGIBMGA013456	1.223	4.168	1.769	0.0141
BGIBMGA012876	0.470	1.601	1.768	0.0016
BGIBMGA000612	13.602	46.316	1.768	0.0003
BGIBMGA005278	2.916	9.923	1.767	0.0156
BGIBMGA006569	1.667	5.671	1.766	0.0007
BGIBMGA006486	5.838	19.847	1.765	0.0007
BGIBMGA009806	21.823	74.152	1.765	0.0003
BGIBMGA001434	9.202	31.263	1.764	0.0082
BGIBMGA009125	4.636	15.704	1.760	0.0053
BGIBMGA004775	12.230	41.421	1.760	0.0003
BGIBMGA000272	12.608	42.670	1.759	0.0003
BGIBMGA002657	15.844	53.568	1.757	0.0003
BGIBMGA006214	109.733	369.799	1.753	0.0003
BGIBMGA005356	16.769	56.311	1.748	0.0003
BGIBMGA012576	3.077	10.331	1.747	0.0019
BGIBMGA007161	153.514	514.751	1.746	0.0003
BGIBMGA002711	14.519	48.647	1.744	0.0003
BGIBMGA012123	5.309	17.787	1.744	0.0003
BGIBMGA013327	375.947	1259.210	1.744	0.0293
BGIBMGA012334	38.695	129.502	1.743	0.0003
BGIBMGA012268	203.899	681.579	1.741	0.0003
BGIBMGA007319	3.237	10.820	1.741	0.0003
BGIBMGA005346	10.718	35.775	1.739	0.0003
BGIBMGA008036	5.628	18.771	1.738	0.0003
BGIBMGA012462	11.389	37.971	1.737	0.0003
BGIBMGA010841	31.607	105.324	1.737	0.0003
BGIBMGA013289	1.985	6.602	1.733	0.0167
BGIBMGA007613	23.080	76.587	1.730	0.0003
BGIBMGA004515	202.118	669.767	1.728	0.0003
BGIBMGA002439	57.424	190.121	1.727	0.0003
BGIBMGA000389	2.092	6.923	1.727	0.0298
BGIBMGA013930	61.828	204.300	1.724	0.0003
BGIBMGA004035	230.618	757.693	1.716	0.0003
BGIBMGA007494	30.368	99.745	1.716	0.0003
BGIBMGA006781	180.448	591.692	1.713	0.0014
BGIBMGA005774	38.342	125.703	1.713	0.0003
BGIBMGA010216	6.271	20.557	1.713	0.0003
BGIBMGA001661	16.883	55.345	1.713	0.0003
BGIBMGA009109	0.539	1.766	1.713	0.0275
BGIBMGA008307	10.499	34.410	1.713	0.0003
BGIBMGA009930	0.885	2.897	1.710	0.0152
BGIBMGA009802	15.879	51.903	1.709	0.0003
BGIBMGA004066	376.146	1229.330	1.709	0.0003
BGIBMGA009271	5.779	18.867	1.707	0.0007
BGIBMGA006628	26.105	85.173	1.706	0.0003
BGIBMGA011149	1.792	5.839	1.704	0.0019
BGIBMGA004103	374.008	1216.960	1.702	0.0003
BGIBMGA010988	1.162	3.778	1.701	0.0027
BGIBMGA002650	58.462	190.007	1.700	0.0003
BGIBMGA001976	3.442	11.182	1.700	0.0003
BGIBMGA000737	11.702	37.878	1.695	0.0003
BGIBMGA009595	22.421	72.510	1.693	0.0003
BGIBMGA004787	12.894	41.676	1.693	0.0003
BGIBMGA003331	12.309	39.716	1.690	0.0003
BGIBMGA004999	3.858	12.420	1.687	0.0209
BGIBMGA007424	1.791	5.756	1.684	0.0007
BGIBMGA006307	10.615	33.987	1.679	0.0003
BGIBMGA002909	0.579	1.850	1.676	0.0388
BGIBMGA003159	5.165	16.495	1.675	0.0003
BGIBMGA002542	98.416	313.127	1.670	0.0003
BGIBMGA005984	1.032	3.284	1.669	0.0021
BGIBMGA014533	26.349	83.620	1.666	0.0003



BGIBMGA000375	11.536	36.565	1.664	0.0003
BGIBMGA009691	0.581	1.841	1.664	0.0111
BGIBMGA008771	8.314	26.251	1.659	0.0003
BGIBMGA002462	114.862	362.603	1.658	0.0003
BGIBMGA006283	0.628	1.977	1.654	0.0005
BGIBMGA011543	17.835	56.072	1.653	0.0003
BGIBMGA009623	7.138	22.364	1.648	0.0009
BGIBMGA005739	396.323	1241.550	1.647	0.0005
BGIBMGA006204	1.893	5.920	1.645	0.0003
BGIBMGA006213	135.792	424.450	1.644	0.0003
BGIBMGA000692	0.441	1.377	1.644	0.0003
BGIBMGA004270	23.048	71.969	1.643	0.0003
BGIBMGA005208	2.191	6.840	1.643	0.0033
BGIBMGA011066	14500.500	45269.300	1.642	0.0003
BGIBMGA007640	36.267	113.117	1.641	0.0003
BGIBMGA003459	488.089	1522.230	1.641	0.0261
BGIBMGA007080	26.421	82.287	1.639	0.0003
BGIBMGA002609	4.109	12.776	1.637	0.0003
BGIBMGA002684	13.611	42.153	1.631	0.0003
BGIBMGA013776	6.319	19.528	1.628	0.0003
BGIBMGA010760	20.243	62.525	1.627	0.0019
BGIBMGA013490	4.676	14.434	1.626	0.0011
BGIBMGA005684	7019.570	21644.100	1.625	0.0003
BGIBMGA004663	8.180	25.213	1.624	0.0003
BGIBMGA007799	8.019	24.700	1.623	0.0009
BGIBMGA013710	7.364	22.676	1.623	0.0003
BGIBMGA006853	0.480	1.474	1.619	0.0276
BGIBMGA006011	37.808	115.938	1.617	0.0003
BGIBMGA007128	1.844	5.656	1.616	0.0424
BGIBMGA013339	508.819	1559.770	1.616	0.0003
BGIBMGA000065	28.007	85.759	1.615	0.0003
BGIBMGA011183	232.105	710.215	1.613	0.0003
BGIBMGA006799	0.408	1.247	1.612	0.0044
BGIBMGA004280	0.997	3.047	1.611	0.0075
BGIBMGA007545	4.032	12.317	1.611	0.0011
BGIBMGA011505	822.843	2509.460	1.609	0.0003
BGIBMGA012774	30.057	91.645	1.608	0.0003
BGIBMGA008148	11.376	34.643	1.607	0.0003
BGIBMGA012305	120.633	367.190	1.606	0.0003
BGIBMGA002652	0.858	2.610	1.606	0.0003
BGIBMGA008415	9.508	28.899	1.604	0.0003
BGIBMGA003661	3.568	10.831	1.602	0.0022
BGIBMGA011779	226.587	687.289	1.601	0.0003
BGIBMGA011701	19.898	60.283	1.599	0.0007
BGIBMGA002416	885.089	2678.370	1.597	0.0003
BGIBMGA010855	15.354	46.334	1.593	0.0003
BGIBMGA011174	9.847	29.710	1.593	0.0003
BGIBMGA000092	27.777	83.723	1.592	0.0003
BGIBMGA008526	0.499	1.504	1.591	0.0191
BGIBMGA000667	4.951	14.907	1.590	0.0114
BGIBMGA007805	2.442	7.345	1.589	0.0292
BGIBMGA002617	1.453	4.363	1.587	0.0016
BGIBMGA005781	30.539	91.692	1.586	0.0003
BGIBMGA002210	3.165	9.496	1.585	0.0005
BGIBMGA012362	5.297	15.891	1.585	0.0003
BGIBMGA010966	7.881	23.635	1.585	0.0017
BGIBMGA007535	170.310	510.722	1.584	0.0003
BGIBMGA009820	4.562	13.673	1.584	0.0043
BGIBMGA002892	10.302	30.866	1.583	0.0003
BGIBMGA004628	9.490	28.400	1.581	0.0017
BGIBMGA013572	7.517	22.483	1.581	0.0003
BGIBMGA001476	58.288	174.238	1.580	0.0003
BGIBMGA009195	19.691	58.856	1.580	0.0003
BGIBMGA006768	48.887	146.108	1.580	0.0003
BGIBMGA002455	429.253	1282.460	1.579	0.0003
BGIBMGA005955	1.790	5.344	1.578	0.0067
BGIBMGA000133	6.677	19.912	1.576	0.0005
BGIBMGA004339	17.090	50.954	1.576	0.0003
BGIBMGA000529	18.207	54.279	1.576	0.0003
BGIBMGA011485	2.015	6.000	1.574	0.0005
BGIBMGA011481	10.188	30.323	1.574	0.0003
BGIBMGA011362	0.814	2.417	1.570	0.0028
BGIBMGA012456	10.657	31.642	1.570	0.0003
BGIBMGA001147	3.574	10.608	1.569	0.0016
BGIBMGA014245	2.719	8.069	1.569	0.0012
BGIBMGA004373	5.846	17.341	1.569	0.0003
BGIBMGA001511	16.696	49.518	1.569	0.0003
BGIBMGA014310	40.120	118.805	1.566	0.0003
BGIBMGA002626	1039.570	3075.650	1.565	0.0003
BGIBMGA007744	98.686	291.965	1.565	0.0130
BGIBMGA009589	10.133	29.977	1.565	0.0003
BGIBMGA009025	0.438	1.296	1.564	0.0448

BGIBMGA012767	0.896	2.648	1.563	0.0355
BGIBMGA001231	1.623	4.792	1.562	0.0019
BGIBMGA009732	37.497	110.624	1.561	0.0003
BGIBMGA012361	0.469	1.383	1.560	0.0127
BGIBMGA001323	53.051	156.356	1.559	0.0003
BGIBMGA010627	6.749	19.890	1.559	0.0030
BGIBMGA000115	11.223	33.015	1.557	0.0003
BGIBMGA009232	200.150	587.138	1.553	0.0003
BGIBMGA009607	37.270	109.296	1.552	0.0003
BGIBMGA003658	26.611	77.759	1.547	0.0003
BGIBMGA014052	10.427	30.413	1.544	0.0003
BGIBMGA005270	110.521	322.228	1.544	0.0003
BGIBMGA004911	33057.200	96253.200	1.542	0.0003
BGIBMGA003739	51.845	150.636	1.539	0.0003
BGIBMGA013071	4.123	11.971	1.538	0.0111
BGIBMGA012694	572.546	1661.140	1.537	0.0005
BGIBMGA012487	0.712	2.061	1.534	0.0398
BGIBMGA002231	2.242	6.481	1.532	0.0012
BGIBMGA009186	18496.400	53469.600	1.531	0.0003
BGIBMGA012218	19.319	55.823	1.531	0.0003
BGIBMGA008168	17.278	49.914	1.531	0.0003
BGIBMGA003631	32.681	94.316	1.529	0.0003
BGIBMGA003915	15.186	43.825	1.529	0.0003
BGIBMGA003816	0.499	1.437	1.527	0.0211
BGIBMGA014064	129.017	371.275	1.525	0.0003
BGIBMGA000127	90.220	258.963	1.521	0.0003
BGIBMGA011786	47.413	135.979	1.520	0.0003
BGIBMGA002035	1.157	3.307	1.515	0.0003
BGIBMGA012060	2.549	7.285	1.515	0.0003
BGIBMGA013054	56.774	162.063	1.513	0.0003
BGIBMGA007040	16.228	46.318	1.513	0.0057
BGIBMGA011954	3.581	10.213	1.512	0.0009
BGIBMGA006012	14.621	41.671	1.511	0.0009
BGIBMGA013062	10.517	29.954	1.510	0.0022
BGIBMGA003119	12.122	34.478	1.508	0.0003
BGIBMGA001288	12.166	34.555	1.506	0.0003
BGIBMGA002453	1626.820	4606.100	1.501	0.0005
BGIBMGA005412	71.753	202.639	1.498	0.0003
BGIBMGA012214	292.891	827.077	1.498	0.0009
BGIBMGA004613	21.947	61.952	1.497	0.0003
BGIBMGA013395	4.280	12.078	1.497	0.0009
BGIBMGA009773	9.395	26.506	1.496	0.0003
BGIBMGA007038	3.856	10.870	1.495	0.0003
BGIBMGA008084	2128.990	6000.150	1.495	0.0027
BGIBMGA013781	1069.220	3006.270	1.491	0.0003
BGIBMGA011410	6.441	18.110	1.491	0.0003
BGIBMGA010826	1.418	3.986	1.491	0.0034
BGIBMGA007855	7.377	20.724	1.490	0.0007
BGIBMGA014177	318.291	894.121	1.490	0.0003
BGIBMGA004567	0.747	2.098	1.490	0.0156
BGIBMGA001477	67.812	190.339	1.489	0.0003
BGIBMGA000116	119.770	336.144	1.489	0.0119
BGIBMGA011655	3.758	10.530	1.486	0.0005
BGIBMGA011253	3896.110	10895.900	1.484	0.0003
BGIBMGA010246	1684.640	4710.960	1.484	0.0003
BGIBMGA005459	37.621	105.159	1.483	0.0003
BGIBMGA014566	13.149	36.753	1.483	0.0003
BGIBMGA006785	2.191	6.122	1.483	0.0012
BGIBMGA002880	1301.640	3636.220	1.482	0.0003
BGIBMGA006739	65.281	182.232	1.481	0.0003
BGIBMGA010912	50.967	142.158	1.480	0.0003
BGIBMGA007505	4.692	13.085	1.480	0.0349
BGIBMGA008319	49.417	137.747	1.479	0.0003
BGIBMGA013026	6.158	17.138	1.477	0.0003
BGIBMGA004667	4.989	13.881	1.476	0.0005
BGIBMGA000228	2.819	7.841	1.476	0.0003
BGIBMGA002957	4.421	12.282	1.474	0.0253
BGIBMGA006885	2.267	6.296	1.473	0.0012
BGIBMGA005876	14.611	40.569	1.473	0.0003
BGIBMGA003335	363.263	1007.670	1.472	0.0003
BGIBMGA010759	13.536	37.542	1.472	0.0003
BGIBMGA002368	20.915	57.972	1.471	0.0027
BGIBMGA003318	36.783	101.926	1.470	0.0003
BGIBMGA005136	1.778	4.925	1.470	0.0143
BGIBMGA010128	5.028	13.913	1.468	0.0005
BGIBMGA001186	480.270	1328.450	1.468	0.0003
BGIBMGA005859	13.933	38.533	1.468	0.0003
BGIBMGA010156	6.216	17.184	1.467	0.0154
BGIBMGA007211	27.850	76.980	1.467	0.0003
BGIBMGA005637	32.742	90.489	1.467	0.0003
BGIBMGA001138	14.765	40.791	1.466	0.0003
BGIBMGA007835	20.227	55.801	1.464	0.0003

BGIBMGA001183	6.602	18.209	1.464	0.0003
BGIBMGA007919	11.097	30.571	1.462	0.0003
BGIBMGA004679	4.752	13.092	1.462	0.0005
BGIBMGA000561	178.350	491.233	1.462	0.0279
BGIBMGA014082	42.347	116.621	1.462	0.0300
BGIBMGA010364	15.050	41.355	1.458	0.0003
BGIBMGA014049	8.808	24.191	1.458	0.0003
BGIBMGA000044	1.415	3.884	1.457	0.0256
BGIBMGA007063	23.107	63.434	1.457	0.0003
BGIBMGA011727	10.057	27.606	1.457	0.0059
BGIBMGA013341	94.647	259.609	1.456	0.0003
BGIBMGA011213	2.039	5.590	1.455	0.0057
BGIBMGA010213	43.570	119.379	1.454	0.0003
BGIBMGA012837	277.048	757.511	1.451	0.0065
BGIBMGA006883	66.711	182.261	1.450	0.0003
BGIBMGA002460	16.910	46.097	1.447	0.0003
BGIBMGA012099	1.148	3.127	1.445	0.0037
BGIBMGA002955	39.719	108.106	1.445	0.0003
BGIBMGA007611	2.023	5.506	1.444	0.0375
BGIBMGA002398	84.561	230.080	1.444	0.0003
BGIBMGA006503	10.007	27.184	1.442	0.0003
BGIBMGA012293	71.191	193.250	1.441	0.0009
BGIBMGA005639	6.086	16.508	1.440	0.0088
BGIBMGA009355	117.434	318.365	1.439	0.0003
BGIBMGA007553	12.837	34.793	1.439	0.0005
BGIBMGA011778	104.326	282.548	1.437	0.0003
BGIBMGA005384	306.417	828.979	1.436	0.0003
BGIBMGA005814	9.471	25.620	1.436	0.0074
BGIBMGA010887	48.680	131.619	1.435	0.0003
BGIBMGA008180	1.194	3.226	1.435	0.0432
BGIBMGA004365	7.276	19.658	1.434	0.0003
BGIBMGA013635	55.643	150.241	1.433	0.0003
BGIBMGA010582	1.570	4.226	1.428	0.0369
BGIBMGA001854	34.194	91.735	1.424	0.0003
BGIBMGA000553	71.270	191.062	1.423	0.0003
BGIBMGA003357	3.996	10.708	1.422	0.0122
BGIBMGA009153	14.259	38.174	1.421	0.0003
BGIBMGA011363	1.086	2.907	1.420	0.0209
BGIBMGA003132	24.133	64.495	1.418	0.0003
BGIBMGA011075	7.044	18.818	1.418	0.0102
BGIBMGA001984	30.108	80.423	1.417	0.0003
BGIBMGA010017	29.687	79.297	1.417	0.0003
BGIBMGA006937	6.311	16.852	1.417	0.0189
BGIBMGA001554	30.311	80.821	1.415	0.0003
BGIBMGA008892	33.779	90.016	1.414	0.0003
BGIBMGA007261	71.460	189.945	1.410	0.0003
BGIBMGA003160	15.242	40.469	1.409	0.0003
BGIBMGA010634	14.488	38.459	1.409	0.0003
BGIBMGA007472	63.802	169.284	1.408	0.0040
BGIBMGA001436	30.678	81.292	1.406	0.0003
BGIBMGA003333	63.722	168.826	1.406	0.0003
BGIBMGA002634	1.818	4.816	1.405	0.0059
BGIBMGA008400	3.717	9.841	1.405	0.0374
BGIBMGA010168	38.542	102.002	1.404	0.0003
BGIBMGA008507	133.609	353.547	1.404	0.0095
BGIBMGA003230	2.415	6.385	1.403	0.0003
BGIBMGA004081	15.993	42.274	1.402	0.0003
BGIBMGA002454	386.780	1022.150	1.402	0.0082
BGIBMGA008095	113.290	299.193	1.401	0.0003
BGIBMGA006347	9.756	25.763	1.401	0.0003
BGIBMGA009763	2768.440	7304.580	1.400	0.0003
BGIBMGA013422	5.846	15.375	1.395	0.0048
BGIBMGA011296	404.402	1063.050	1.394	0.0012
BGIBMGA003505	3.708	9.731	1.392	0.0003
BGIBMGA012057	35.361	92.738	1.391	0.0003
BGIBMGA008329	187.977	492.505	1.390	0.0036
BGIBMGA011386	4.558	11.933	1.388	0.0003
BGIBMGA007767	1.516	3.965	1.388	0.0103
BGIBMGA003673	16.427	42.955	1.387	0.0051
BGIBMGA005382	34.692	90.702	1.387	0.0003
BGIBMGA011542	15.518	40.455	1.382	0.0003
BGIBMGA010033	6.779	17.665	1.382	0.0040
BGIBMGA011732	0.481	1.252	1.381	0.0091
BGIBMGA012030	81.036	210.956	1.380	0.0003
BGIBMGA010949	3.155	8.206	1.379	0.0102
BGIBMGA008419	10.527	27.354	1.378	0.0187
BGIBMGA001582	67.849	176.171	1.377	0.0027
BGIBMGA014593	71.180	184.109	1.371	0.0003
BGIBMGA001130	23.368	60.397	1.370	0.0003
BGIBMGA002956	3.071	7.926	1.368	0.0003
BGIBMGA009755	212.797	549.209	1.368	0.0166
BGIBMGA011141	17.981	46.377	1.367	0.0005

BGIBMGA008460	18.078	46.530	1.364	0.0003
BGIBMGA005966	61.380	157.859	1.363	0.0003
BGIBMGA003485	1.089	2.793	1.358	0.0219
BGIBMGA011870	142.481	364.935	1.357	0.0003
BGIBMGA000025	3.762	9.636	1.357	0.0011
BGIBMGA003537	69.225	177.029	1.355	0.0003
BGIBMGA004586	44.874	114.748	1.355	0.0003
BGIBMGA001906	9.956	25.446	1.354	0.0003
BGIBMGA010611	50.483	129.019	1.354	0.0003
BGIBMGA003991	194.937	497.800	1.353	0.0003
BGIBMGA009800	2.129	5.433	1.352	0.0131
BGIBMGA014185	713.456	1819.450	1.351	0.0003
BGIBMGA007892	137.380	350.335	1.351	0.0003
BGIBMGA007706	24.946	63.594	1.350	0.0003
BGIBMGA001278	64.066	163.255	1.350	0.0003
BGIBMGA000311	47.040	119.835	1.349	0.0003
BGIBMGA011772	8.580	21.852	1.349	0.0003
BGIBMGA000381	164.422	418.011	1.346	0.0003
BGIBMGA005381	114.345	290.141	1.343	0.0003
BGIBMGA011096	1681.160	4260.720	1.342	0.0003
BGIBMGA003809	5.112	12.937	1.340	0.0021
BGIBMGA010781	349.232	883.650	1.339	0.0012
BGIBMGA012366	25.579	64.699	1.339	0.0003
BGIBMGA002524	15.644	39.512	1.337	0.0003
BGIBMGA008471	3.724	9.404	1.336	0.0079
BGIBMGA013888	14.078	35.510	1.335	0.0075
BGIBMGA013378	1.877	4.720	1.330	0.0025
BGIBMGA009756	4.523	11.372	1.330	0.0037
BGIBMGA005057	6.429	16.162	1.330	0.0003
BGIBMGA013163	38.247	96.053	1.328	0.0003
BGIBMGA008934	2.992	7.506	1.327	0.0047
BGIBMGA004321	10.745	26.885	1.323	0.0003
BGIBMGA014248	1.956	4.893	1.323	0.0181
BGIBMGA004496	43.347	108.428	1.323	0.0003
BGIBMGA001823	25.959	64.923	1.322	0.0028
BGIBMGA004094	11.546	28.871	1.322	0.0005
BGIBMGA009604	8.114	20.287	1.322	0.0003
BGIBMGA006044	26.428	65.932	1.319	0.0003
BGIBMGA009028	2.671	6.651	1.316	0.0019
BGIBMGA013657	3.738	9.307	1.316	0.0273
BGIBMGA000317	12.452	30.995	1.316	0.0041
BGIBMGA014521	16.637	41.403	1.315	0.0003
BGIBMGA013661	6.400	15.920	1.315	0.0003
BGIBMGA003713	130.967	325.747	1.315	0.0022
BGIBMGA001536	36.890	91.489	1.310	0.0003
BGIBMGA006325	24.700	61.248	1.310	0.0003
BGIBMGA004498	127.340	315.446	1.309	0.0237
BGIBMGA014386	1.508	3.734	1.309	0.0376
BGIBMGA009704	1075.300	2661.160	1.307	0.0003
BGIBMGA006450	9.021	22.312	1.307	0.0143
BGIBMGA001615	9.680	23.939	1.306	0.0119
BGIBMGA014592	155.739	384.711	1.305	0.0003
BGIBMGA012948	11.806	29.158	1.304	0.0003
BGIBMGA008672	1153.140	2847.140	1.304	0.0011
BGIBMGA005607	2.195	5.418	1.304	0.0339
BGIBMGA012059	24.005	59.188	1.302	0.0003
BGIBMGA013264	32.968	81.205	1.301	0.0003
BGIBMGA012283	21.689	53.388	1.300	0.0003
BGIBMGA005578	22.257	54.685	1.297	0.0167
BGIBMGA008063	2.745	6.742	1.297	0.0003
BGIBMGA005309	42.871	105.277	1.296	0.0003
BGIBMGA008621	52.501	128.892	1.296	0.0003
BGIBMGA011596	6.099	14.927	1.291	0.0053
BGIBMGA005755	537.305	1315.040	1.291	0.0003
BGIBMGA008977	32.631	79.784	1.290	0.0003
BGIBMGA000090	37.665	92.081	1.290	0.0003
BGIBMGA009146	1.862	4.551	1.290	0.0259
BGIBMGA012975	42.051	102.756	1.289	0.0003
BGIBMGA000615	2.488	6.079	1.289	0.0003
BGIBMGA003742	38.007	92.827	1.288	0.0003
BGIBMGA002145	95.371	232.372	1.285	0.0003
BGIBMGA013565	1.826	4.447	1.284	0.0016
BGIBMGA005035	69.771	169.642	1.282	0.0003
BGIBMGA005447	7.388	17.953	1.281	0.0003
BGIBMGA009374	143.170	347.163	1.278	0.0003
BGIBMGA009194	11.687	28.337	1.278	0.0005
BGIBMGA008736	4.771	11.565	1.278	0.0012
BGIBMGA008899	540.341	1309.300	1.277	0.0003
BGIBMGA007265	21.668	52.477	1.276	0.0003
BGIBMGA005301	1158.380	2803.120	1.275	0.0003
BGIBMGA012957	10.592	25.544	1.270	0.0218
BGIBMGA007431	36.192	87.230	1.269	0.0003

BGIBMGA007723	265.695	640.356	1.269	0.0003
BGIBMGA007123	22.948	55.300	1.269	0.0014
BGIBMGA007616	7.883	18.989	1.268	0.0005
BGIBMGA000470	1.486	3.577	1.268	0.0208
BGIBMGA013002	2.372	5.706	1.266	0.0030
BGIBMGA013232	51.516	123.674	1.263	0.0009
BGIBMGA007677	66.549	159.701	1.263	0.0003
BGIBMGA006632	38.976	93.360	1.260	0.0003
BGIBMGA003841	13.642	32.658	1.259	0.0003
BGIBMGA008855	35.012	83.733	1.258	0.0003
BGIBMGA013051	25.527	61.039	1.258	0.0003
BGIBMGA011204	7.264	17.356	1.257	0.0009
BGIBMGA000054	6.461	15.417	1.255	0.0003
BGIBMGA005952	11.956	28.480	1.252	0.0003
BGIBMGA006816	60.889	144.973	1.252	0.0003
BGIBMGA012567	8.653	20.580	1.250	0.0003
BGIBMGA003847	58.316	138.670	1.250	0.0003
BGIBMGA005076	27.729	65.925	1.249	0.0003
BGIBMGA009226	1.773	4.209	1.247	0.0428
BGIBMGA000121	31.103	73.521	1.241	0.0003
BGIBMGA011003	26.853	63.470	1.241	0.0019
BGIBMGA002093	2.348	5.545	1.240	0.0276
BGIBMGA006874	24.459	57.770	1.240	0.0003
BGIBMGA002526	31.290	73.882	1.240	0.0003
BGIBMGA004595	44.622	105.226	1.238	0.0003
BGIBMGA005655	65.478	154.309	1.237	0.0003
BGIBMGA012138	10.370	24.428	1.236	0.0014
BGIBMGA006772	60.879	143.342	1.235	0.0003
BGIBMGA014215	19.804	46.593	1.234	0.0003
BGIBMGA009893	50.406	118.567	1.234	0.0003
BGIBMGA005533	2906.310	6832.190	1.233	0.0003
BGIBMGA010450	55.417	130.268	1.233	0.0003
BGIBMGA002396	9.605	22.577	1.233	0.0025
BGIBMGA006301	42.315	99.396	1.232	0.0003
BGIBMGA007310	1080.000	2532.450	1.230	0.0005
BGIBMGA006980	56.378	131.964	1.227	0.0003
BGIBMGA014120	26.068	60.917	1.225	0.0003
BGIBMGA000799	11.529	26.933	1.224	0.0003
BGIBMGA009587	1.534	3.580	1.222	0.0138
BGIBMGA010656	53.845	125.543	1.221	0.0009
BGIBMGA003575	12.712	29.632	1.221	0.0003
BGIBMGA008174	86.131	200.755	1.221	0.0003
BGIBMGA007132	18.746	43.683	1.220	0.0003
BGIBMGA014551	46.951	109.400	1.220	0.0011
BGIBMGA001296	1.093	2.544	1.219	0.0220
BGIBMGA002849	3.458	8.044	1.218	0.0003
BGIBMGA005882	28.309	65.839	1.218	0.0011
BGIBMGA009624	15.703	36.518	1.218	0.0011
BGIBMGA000223	3.028	7.041	1.217	0.0074
BGIBMGA013330	3.779	8.785	1.217	0.0075
BGIBMGA011592	59.818	139.046	1.217	0.0003
BGIBMGA000891	0.742	1.721	1.214	0.0427
BGIBMGA006573	4.669	10.827	1.214	0.0120
BGIBMGA009613	7.789	18.060	1.213	0.0074
BGIBMGA011686	88.164	204.397	1.213	0.0003
BGIBMGA010937	2.176	5.038	1.211	0.0396
BGIBMGA008925	54.832	126.910	1.211	0.0003
BGIBMGA004432	2.188	5.062	1.210	0.0055
BGIBMGA004876	18.927	43.793	1.210	0.0003
BGIBMGA010998	61.459	142.056	1.209	0.0003
BGIBMGA005389	13.580	31.380	1.208	0.0003
BGIBMGA000476	77.753	179.534	1.207	0.0003
BGIBMGA007449	14.991	34.612	1.207	0.0003
BGIBMGA010784	42.894	98.904	1.205	0.0003
BGIBMGA010569	52.345	120.632	1.204	0.0003
BGIBMGA005918	20.905	48.136	1.203	0.0003
BGIBMGA002702	3.099	7.135	1.203	0.0030
BGIBMGA012109	45.232	104.047	1.202	0.0016
BGIBMGA009842	18.492	42.468	1.199	0.0355
BGIBMGA008320	1.011	2.321	1.199	0.0272
BGIBMGA009681	28.289	64.937	1.199	0.0003
BGIBMGA000758	49.030	112.534	1.199	0.0003
BGIBMGA009054	39.714	91.113	1.198	0.0031
BGIBMGA007923	10.634	24.396	1.198	0.0027
BGIBMGA002331	26.068	59.770	1.197	0.0003
BGIBMGA007282	11.031	25.274	1.196	0.0003
BGIBMGA013774	22.411	51.345	1.196	0.0003
BGIBMGA012207	10.397	23.814	1.196	0.0003
BGIBMGA013700	31.368	71.841	1.196	0.0003
BGIBMGA008335	74.792	171.254	1.195	0.0003
BGIBMGA001680	6.285	14.383	1.194	0.0054
BGIBMGA007401	7.411	16.958	1.194	0.0003

BGIBMGA004984	15.430	35.299	1.194	0.0003
BGIBMGA011971	245.325	560.668	1.192	0.0016
BGIBMGA013050	12.926	29.533	1.192	0.0017
BGIBMGA001327	60.412	138.012	1.192	0.0003
BGIBMGA004332	30.477	69.549	1.190	0.0003
BGIBMGA003542	7.161	16.339	1.190	0.0176
BGIBMGA005615	49.624	113.198	1.190	0.0003
BGIBMGA004894	6.945	15.842	1.190	0.0005
BGIBMGA011178	74.155	168.970	1.188	0.0041
BGIBMGA007666	9.008	20.516	1.187	0.0058
BGIBMGA007839	20.481	46.636	1.187	0.0028
BGIBMGA008360	36.074	82.134	1.187	0.0003
BGIBMGA007989	83.824	190.835	1.187	0.0003
BGIBMGA009849	27.576	62.724	1.186	0.0003
BGIBMGA008478	16.919	38.471	1.185	0.0219
BGIBMGA010057	96.510	219.215	1.184	0.0003
BGIBMGA006296	15.318	34.772	1.183	0.0016
BGIBMGA008091	22.025	49.965	1.182	0.0003
BGIBMGA000866	52.214	118.380	1.181	0.0003
BGIBMGA000916	155.542	352.374	1.180	0.0005
BGIBMGA007437	15.745	35.607	1.177	0.0003
BGIBMGA005432	14.062	31.767	1.176	0.0003
BGIBMGA009810	16.076	36.302	1.175	0.0012
BGIBMGA007039	662.100	1491.880	1.172	0.0003
BGIBMGA013085	82.403	185.549	1.171	0.0003
BGIBMGA011044	16.717	37.622	1.170	0.0003
BGIBMGA010294	74.593	167.870	1.170	0.0003
BGIBMGA010193	91.878	206.751	1.170	0.0003
BGIBMGA009614	131.633	296.176	1.170	0.0003
BGIBMGA010542	3.664	8.232	1.168	0.0003
BGIBMGA003191	36.652	82.286	1.167	0.0003
BGIBMGA002015	304.272	683.044	1.167	0.0003
BGIBMGA000640	4.296	9.631	1.165	0.0059
BGIBMGA008668	1.831	4.101	1.164	0.0097
BGIBMGA000802	4.478	10.034	1.164	0.0019
BGIBMGA002304	42.934	96.150	1.163	0.0003
BGIBMGA006264	55.959	125.252	1.162	0.0003
BGIBMGA005495	56.646	126.767	1.162	0.0003
BGIBMGA012451	10.528	23.559	1.162	0.0022
BGIBMGA000468	14.719	32.907	1.161	0.0003
BGIBMGA003703	0.926	2.070	1.161	0.0090
BGIBMGA000941	17.350	38.774	1.160	0.0005
BGIBMGA007563	5.077	11.340	1.159	0.0320
BGIBMGA002324	5.720	12.772	1.159	0.0016
BGIBMGA001218	172.496	385.130	1.159	0.0003
BGIBMGA005249	26.421	58.976	1.158	0.0003
BGIBMGA005628	68.104	151.949	1.158	0.0003
BGIBMGA004957	15.596	34.779	1.157	0.0040
BGIBMGA013945	130.567	291.065	1.157	0.0003
BGIBMGA003313	54.052	120.353	1.155	0.0003
BGIBMGA007462	18.343	40.830	1.154	0.0003
BGIBMGA004304	6.141	13.660	1.153	0.0012
BGIBMGA011473	287.364	638.792	1.152	0.0003
BGIBMGA002540	23.176	51.469	1.151	0.0003
BGIBMGA004649	123.650	274.222	1.149	0.0003
BGIBMGA010076	9.486	21.021	1.148	0.0031
BGIBMGA003854	23.482	52.036	1.148	0.0003
BGIBMGA002629	21.910	48.486	1.146	0.0076
BGIBMGA003584	6034.950	13341.000	1.144	0.0048
BGIBMGA008873	20.115	44.463	1.144	0.0003
BGIBMGA007817	76.211	168.392	1.144	0.0003
BGIBMGA007922	9.491	20.969	1.144	0.0003
BGIBMGA001338	37.805	83.452	1.142	0.0003
BGIBMGA001036	24.328	53.699	1.142	0.0003
BGIBMGA011639	21.866	48.206	1.141	0.0009
BGIBMGA010325	119.748	263.958	1.140	0.0003
BGIBMGA013773	64.130	141.336	1.140	0.0003
BGIBMGA000914	2.153	4.744	1.140	0.0330
BGIBMGA000980	71.730	157.953	1.139	0.0003
BGIBMGA010577	86.665	190.633	1.137	0.0003
BGIBMGA003668	71.638	157.459	1.136	0.0003
BGIBMGA005441	10.585	23.262	1.136	0.0003
BGIBMGA009551	99.427	218.492	1.136	0.0003
BGIBMGA001144	3.351	7.363	1.136	0.0034
BGIBMGA000186	69.389	152.434	1.135	0.0003
BGIBMGA008871	3.512	7.715	1.135	0.0170
BGIBMGA000440	71.869	157.675	1.134	0.0003
BGIBMGA006234	21.872	47.980	1.133	0.0003
BGIBMGA007720	222.900	488.941	1.133	0.0003
BGIBMGA010090	14.353	31.473	1.133	0.0003
BGIBMGA009023	19.299	42.316	1.133	0.0003
BGIBMGA008709	22.642	49.586	1.131	0.0003

BGIBMGA010324	7.116	15.569	1.130	0.0019
BGIBMGA001538	24.906	54.491	1.130	0.0003
BGIBMGA013719	5.709	12.489	1.129	0.0031
BGIBMGA001781	3.698	8.078	1.127	0.0012
BGIBMGA009980	64.165	140.162	1.127	0.0011
BGIBMGA010593	65.260	142.496	1.127	0.0003
BGIBMGA001333	1.530	3.340	1.126	0.0445
BGIBMGA013034	15.049	32.826	1.125	0.0076
BGIBMGA000936	108.664	237.017	1.125	0.0003
BGIBMGA008451	15.730	34.307	1.125	0.0005
BGIBMGA013522	7.221	15.734	1.124	0.0050
BGIBMGA012197	26.779	58.342	1.123	0.0003
BGIBMGA001379	3.357	7.308	1.122	0.0046
BGIBMGA001415	490.685	1068.210	1.122	0.0003
BGIBMGA014347	80.204	174.431	1.121	0.0003
BGIBMGA012212	4.231	9.202	1.121	0.0046
BGIBMGA001276	12.258	26.640	1.120	0.0005
BGIBMGA014048	35.368	76.816	1.119	0.0003
BGIBMGA010454	3.678	7.988	1.119	0.0036
BGIBMGA000988	9.084	19.726	1.119	0.0005
BGIBMGA001384	9.073	19.690	1.118	0.0175
BGIBMGA007517	15.255	33.038	1.115	0.0003
BGIBMGA003674	216.807	469.178	1.114	0.0054
BGIBMGA003101	4.932	10.668	1.113	0.0438
BGIBMGA003663	32.556	70.391	1.113	0.0009
BGIBMGA006518	54.803	118.334	1.111	0.0003
BGIBMGA012458	54.351	117.343	1.110	0.0003
BGIBMGA009814	57.373	123.571	1.107	0.0011
BGIBMGA001457	51.425	110.606	1.105	0.0003
BGIBMGA001425	68.084	146.370	1.104	0.0003
BGIBMGA008176	11.086	23.829	1.104	0.0054
BGIBMGA005386	7.631	16.397	1.104	0.0098
BGIBMGA003853	46.796	100.545	1.103	0.0191
BGIBMGA011919	69.181	148.557	1.103	0.0003
BGIBMGA002932	3.506	7.520	1.101	0.0340
BGIBMGA008953	22.507	48.275	1.101	0.0003
BGIBMGA006919	148.753	318.635	1.099	0.0003
BGIBMGA001115	56.215	120.306	1.098	0.0003
BGIBMGA010154	270.404	578.526	1.097	0.0003
BGIBMGA005419	70.569	150.873	1.096	0.0003
BGIBMGA014590	22.065	47.170	1.096	0.0024
BGIBMGA008006	10.174	21.728	1.095	0.0011
BGIBMGA003767	94.079	200.767	1.094	0.0003
BGIBMGA004618	6.509	13.882	1.093	0.0024
BGIBMGA011387	61.342	130.822	1.093	0.0003
BGIBMGA009182	982.497	2094.970	1.092	0.0003
BGIBMGA000305	6.861	14.626	1.092	0.0033
BGIBMGA007575	72.768	154.944	1.090	0.0067
BGIBMGA009263	9.741	20.732	1.090	0.0003
BGIBMGA006608	54.894	116.746	1.089	0.0003
BGIBMGA012028	25.658	54.547	1.088	0.0003
BGIBMGA014579	16.132	34.251	1.086	0.0244
BGIBMGA003035	12.202	25.905	1.086	0.0017
BGIBMGA007297	76.073	161.490	1.086	0.0003
BGIBMGA008414	37.410	79.407	1.086	0.0339
BGIBMGA008011	863.130	1832.020	1.086	0.0003
BGIBMGA005537	54.261	115.075	1.085	0.0003
BGIBMGA010864	30.222	63.964	1.082	0.0003
BGIBMGA002822	7.254	15.328	1.079	0.0244
BGIBMGA013263	8.640	18.249	1.079	0.0171
BGIBMGA012067	9.147	19.312	1.078	0.0021
BGIBMGA008203	70.715	149.164	1.077	0.0003
BGIBMGA002260	17.223	36.325	1.077	0.0003
BGIBMGA002203	44.565	93.969	1.076	0.0019
BGIBMGA001438	67.246	141.588	1.074	0.0003
BGIBMGA005557	31.920	67.199	1.074	0.0017
BGIBMGA012893	61.842	130.130	1.073	0.0009
BGIBMGA003158	80.828	170.013	1.073	0.0003
BGIBMGA002632	3.617	7.605	1.072	0.0019
BGIBMGA002768	41.029	86.273	1.072	0.0003
BGIBMGA012961	266.250	559.622	1.072	0.0003
BGIBMGA003321	20.618	43.330	1.071	0.0003
BGIBMGA000099	39.453	82.832	1.070	0.0017
BGIBMGA012802	9.673	20.286	1.068	0.0009
BGIBMGA007660	6.256	13.117	1.068	0.0054
BGIBMGA004267	105.032	220.151	1.068	0.0003
BGIBMGA006203	8.761	18.359	1.067	0.0077
BGIBMGA006846	39.679	83.149	1.067	0.0003
BGIBMGA010788	47.415	99.340	1.067	0.0003
BGIBMGA006806	34.954	73.209	1.067	0.0003
BGIBMGA012005	13.460	28.178	1.066	0.0209
BGIBMGA010908	11.120	23.277	1.066	0.0016

BGIBMGA005869	30.867	64.599	1.065	0.0198
BGIBMGA005460	77.004	161.112	1.065	0.0003
BGIBMGA011853	22.399	46.854	1.065	0.0211
BGIBMGA003141	97.291	203.490	1.065	0.0003
BGIBMGA005308	17.252	36.071	1.064	0.0003
BGIBMGA006265	44.384	92.690	1.062	0.0003
BGIBMGA000384	43.710	91.277	1.062	0.0003
BGIBMGA012537	174.662	364.508	1.061	0.0003
BGIBMGA013496	52.818	110.194	1.061	0.0003
BGIBMGA010499	13.585	28.339	1.061	0.0003
BGIBMGA010719	13.670	28.514	1.061	0.0014
BGIBMGA004265	196.800	409.916	1.059	0.0003
BGIBMGA010214	13.140	27.368	1.059	0.0009
BGIBMGA000693	1.375	2.862	1.058	0.0117
BGIBMGA010016	161.194	335.363	1.057	0.0003
BGIBMGA007951	40.485	84.215	1.057	0.0003
BGIBMGA005945	4.125	8.576	1.056	0.0119
BGIBMGA001851	18.447	38.345	1.056	0.0003
BGIBMGA003808	2.497	5.191	1.056	0.0414
BGIBMGA011398	23.277	48.356	1.055	0.0003
BGIBMGA007740	24.289	50.430	1.054	0.0003
BGIBMGA005590	48.220	100.116	1.054	0.0003
BGIBMGA002870	14.685	30.433	1.051	0.0003
BGIBMGA005938	35.424	73.406	1.051	0.0012
BGIBMGA013902	11.510	23.832	1.050	0.0208
BGIBMGA000542	38.773	80.277	1.050	0.0003
BGIBMGA001679	46.383	96.019	1.050	0.0249
BGIBMGA007043	817.463	1692.220	1.050	0.0003
BGIBMGA013300	8.561	17.711	1.049	0.0066
BGIBMGA010102	119.259	246.642	1.048	0.0009
BGIBMGA011394	47.095	97.380	1.048	0.0014
BGIBMGA006447	10.364	21.430	1.048	0.0140
BGIBMGA001531	2.695	5.569	1.047	0.0305
BGIBMGA008199	126.333	260.681	1.045	0.0003
BGIBMGA014005	4.577	9.443	1.045	0.0126
BGIBMGA004990	2.240	4.622	1.045	0.0154
BGIBMGA003475	478.967	987.880	1.044	0.0003
BGIBMGA012505	69.206	142.580	1.043	0.0003
BGIBMGA002824	6.907	14.230	1.043	0.0003
BGIBMGA005135	25.497	52.506	1.042	0.0003
BGIBMGA000894	12.364	25.457	1.042	0.0003
BGIBMGA006698	3.763	7.744	1.041	0.0341
BGIBMGA008841	3.929	8.083	1.041	0.0133
BGIBMGA011390	0.721	1.482	1.040	0.0421
BGIBMGA002640	1059.870	2177.700	1.039	0.0003
BGIBMGA006129	17.254	35.425	1.038	0.0003
BGIBMGA011466	23.762	48.741	1.037	0.0024
BGIBMGA003544	255.073	523.206	1.036	0.0009
BGIBMGA009277	98.577	202.038	1.035	0.0037
BGIBMGA013179	27.179	55.700	1.035	0.0047
BGIBMGA002207	5.809	11.904	1.035	0.0203
BGIBMGA008612	18.117	37.112	1.035	0.0062
BGIBMGA004896	12.482	25.565	1.034	0.0005
BGIBMGA000867	4394.520	8988.790	1.032	0.0003
BGIBMGA008992	120.670	246.764	1.032	0.0003
BGIBMGA013699	32.201	65.840	1.032	0.0003
BGIBMGA009046	43.951	89.833	1.031	0.0007
BGIBMGA006866	144.404	295.079	1.031	0.0003
BGIBMGA005508	24.127	49.299	1.031	0.0003
BGIBMGA008718	14.344	29.296	1.030	0.0016
BGIBMGA007941	37.113	75.762	1.030	0.0005
BGIBMGA002700	16.747	34.182	1.029	0.0031
BGIBMGA003736	11.949	24.387	1.029	0.0243
BGIBMGA002988	122.614	250.179	1.029	0.0003
BGIBMGA008090	190.478	388.576	1.029	0.0003
BGIBMGA004208	29.146	59.406	1.027	0.0003
BGIBMGA010632	13.813	28.133	1.026	0.0003
BGIBMGA001162	69.603	141.693	1.026	0.0014
BGIBMGA011794	49.521	100.806	1.025	0.0003
BGIBMGA008531	174.129	354.428	1.025	0.0012
BGIBMGA000696	9.977	20.294	1.024	0.0014
BGIBMGA012264	3.654	7.421	1.022	0.0309
BGIBMGA007848	11.703	23.758	1.022	0.0003
BGIBMGA001474	229.671	466.221	1.021	0.0003
BGIBMGA000351	6.042	12.262	1.021	0.0005
BGIBMGA005947	20.311	41.208	1.021	0.0033
BGIBMGA009052	129.411	262.262	1.019	0.0003
BGIBMGA001117	38.476	77.910	1.018	0.0003
BGIBMGA004454	1001.490	2027.340	1.017	0.0003
BGIBMGA008861	28.155	56.978	1.017	0.0117
BGIBMGA003009	562.753	1138.760	1.017	0.0003
BGIBMGA006647	10.533	21.312	1.017	0.0025



BGIBMGA005119	3.928	7.942	1.016	0.0016
BGIBMGA004680	31.181	63.036	1.016	0.0003
BGIBMGA007632	26.504	53.576	1.015	0.0003
BGIBMGA005115	338.665	684.368	1.015	0.0003
BGIBMGA003412	7480.690	15114.200	1.015	0.0003
BGIBMGA007466	120.359	242.936	1.013	0.0012
BGIBMGA002422	56.968	114.970	1.013	0.0003
BGIBMGA012294	172.024	347.018	1.012	0.0021
BGIBMGA004850	170.652	344.097	1.012	0.0003
BGIBMGA010623	68.591	138.201	1.011	0.0176
BGIBMGA000392	5.697	11.479	1.011	0.0157
BGIBMGA010823	33.641	67.698	1.009	0.0003
BGIBMGA012854	64.712	130.215	1.009	0.0003
BGIBMGA009875	58.913	118.436	1.007	0.0003
BGIBMGA003156	41.600	83.587	1.007	0.0003
BGIBMGA007103	69.864	140.329	1.006	0.0003
BGIBMGA011295	347.608	697.422	1.005	0.0005
BGIBMGA004688	201.266	403.693	1.004	0.0003
BGIBMGA014142	9.794	19.636	1.004	0.0022
BGIBMGA006359	44.497	89.203	1.003	0.0003
BGIBMGA001595	16.964	34.006	1.003	0.0011
BGIBMGA003611	109.851	220.182	1.003	0.0011
BGIBMGA003954	153.068	306.755	1.003	0.0003
BGIBMGA002778	6.776	13.577	1.003	0.0220
BGIBMGA004227	42.741	85.609	1.002	0.0003
BGIBMGA005680	0.674	1.349	1.002	0.0357
BGIBMGA000236	6.715	13.444	1.001	0.0085
BGIBMGA000220	5.504	11.014	1.001	0.0011
BGIBMGA004443	0.000	12.592	∞	0.0446
BGIBMGA005917	0.000	4.541	∞	0.0446
BGIBMGA002364	0.000	6.497	∞	0.0210
BGIBMGA000409	0.000	3.102	∞	0.0114
BGIBMGA008205	0.000	5.012	∞	0.0113
BGIBMGA002134	0.000	14.246	∞	0.0104
BGIBMGA005398	0.000	4.350	∞	0.0104
BGIBMGA002905	0.000	11.103	∞	0.0092
BGIBMGA009543	0.000	4.312	∞	0.0092
BGIBMGA002196	0.000	12.946	∞	0.0047
BGIBMGA003559	0.000	16.769	∞	0.0047
BGIBMGA004529	0.000	13.270	∞	0.0047
BGIBMGA008245	0.000	6.309	∞	0.0047
BGIBMGA014070	0.000	535.383	∞	0.0047
BGIBMGA004662	0.000	17.217	∞	0.0043
BGIBMGA002770	0.000	2.746	∞	0.0025
BGIBMGA011724	0.000	7.679	∞	0.0025
BGIBMGA009161	0.000	1.451	∞	0.0024
BGIBMGA014015	0.000	168.564	∞	0.0024
BGIBMGA000268	0.000	1.308	∞	0.0019
BGIBMGA011729	0.000	1.758	∞	0.0019
BGIBMGA004047	0.000	2.158	∞	0.0012
BGIBMGA012614	0.000	1.378	∞	0.0009
BGIBMGA012890	0.000	2.185	∞	0.0009
BGIBMGA014061	0.000	15.156	∞	0.0009
BGIBMGA005090	0.000	21.840	∞	0.0007
BGIBMGA011719	0.000	15.629	∞	0.0007
BGIBMGA013505	0.000	3.191	∞	0.0007
BGIBMGA004627	0.000	12.270	∞	0.0005
BGIBMGA000023	0.000	972.805	∞	0.0003
BGIBMGA000024	0.000	1112.380	∞	0.0003
BGIBMGA000037	0.000	1969.740	∞	0.0003
BGIBMGA000196	0.000	2.901	∞	0.0003
BGIBMGA000259	0.000	3.561	∞	0.0003
BGIBMGA000260	0.000	11.703	∞	0.0003
BGIBMGA000266	0.000	5.888	∞	0.0003
BGIBMGA000267	0.000	5.451	∞	0.0003
BGIBMGA000281	0.000	2.005	∞	0.0003
BGIBMGA000325	0.000	9.352	∞	0.0003
BGIBMGA000334	0.000	5.227	∞	0.0003
BGIBMGA000433	0.000	10.947	∞	0.0003
BGIBMGA000438	0.000	1.499	∞	0.0003
BGIBMGA000594	0.000	833.404	∞	0.0003
BGIBMGA000810	0.000	766.833	∞	0.0003
BGIBMGA001051	0.000	1892.870	∞	0.0003
BGIBMGA001486	0.000	1.505	∞	0.0003
BGIBMGA001700	0.000	321.794	∞	0.0003
BGIBMGA001762	0.000	2.043	∞	0.0003
BGIBMGA001764	0.000	15.703	∞	0.0003
BGIBMGA002252	0.000	22.456	∞	0.0003
BGIBMGA002268	0.000	3.035	∞	0.0003
BGIBMGA002441	0.000	234.507	∞	0.0003
BGIBMGA003253	0.000	618.882	∞	0.0003
BGIBMGA003612	0.000	96.278	∞	0.0003

BGIBMGA003836	0.000	100.744	∞	0.0003
BGIBMGA003921	0.000	12.571	∞	0.0003
BGIBMGA003922	0.000	16.440	∞	0.0003
BGIBMGA004240	0.000	1.542	∞	0.0003
BGIBMGA004291	0.000	4.734	∞	0.0003
BGIBMGA004319	0.000	30.908	∞	0.0003
BGIBMGA004401	0.000	1.554	∞	0.0003
BGIBMGA004405	0.000	4.401	∞	0.0003
BGIBMGA004792	0.000	3.859	∞	0.0003
BGIBMGA004860	0.000	64.753	∞	0.0003
BGIBMGA005098	0.000	219.106	∞	0.0003
BGIBMGA005159	0.000	243.977	∞	0.0003
BGIBMGA005922	0.000	17.271	∞	0.0003
BGIBMGA006135	0.000	109.196	∞	0.0003
BGIBMGA006291	0.000	476.742	∞	0.0003
BGIBMGA006753	0.000	77.342	∞	0.0003
BGIBMGA007421	0.000	1.797	∞	0.0003
BGIBMGA007625	0.000	5.303	∞	0.0003
BGIBMGA007674	0.000	80.624	∞	0.0003
BGIBMGA008120	0.000	14499.000	∞	0.0003
BGIBMGA008175	0.000	203.154	∞	0.0003
BGIBMGA008262	0.000	1.045	∞	0.0003
BGIBMGA008535	0.000	128.992	∞	0.0003
BGIBMGA008702	0.000	1.013	∞	0.0003
BGIBMGA008708	0.000	281.370	∞	0.0003
BGIBMGA008711	0.000	51.592	∞	0.0003
BGIBMGA008809	0.000	58.451	∞	0.0003
BGIBMGA009006	0.000	6.478	∞	0.0003
BGIBMGA009143	0.000	2.510	∞	0.0003
BGIBMGA009368	0.000	2.021	∞	0.0003
BGIBMGA010680	0.000	5.765	∞	0.0003
BGIBMGA010750	0.000	18.421	∞	0.0003
BGIBMGA010820	0.000	1.872	∞	0.0003
BGIBMGA010872	0.000	9.838	∞	0.0003
BGIBMGA011494	0.000	36.108	∞	0.0003
BGIBMGA011553	0.000	3.157	∞	0.0003
BGIBMGA011559	0.000	4.338	∞	0.0003
BGIBMGA011616	0.000	5.353	∞	0.0003
BGIBMGA011769	0.000	15466.900	∞	0.0003
BGIBMGA011970	0.000	50.041	∞	0.0003
BGIBMGA011998	0.000	2.870	∞	0.0003
BGIBMGA012290	0.000	7.061	∞	0.0003
BGIBMGA012440	0.000	4.926	∞	0.0003
BGIBMGA012768	0.000	3.990	∞	0.0003
BGIBMGA012866	0.000	5.206	∞	0.0003
BGIBMGA013155	0.000	1.298	∞	0.0003
BGIBMGA013159	0.000	1.609	∞	0.0003
BGIBMGA013220	0.000	12.620	∞	0.0003
BGIBMGA013225	0.000	17680.300	∞	0.0003
BGIBMGA013242	0.000	3.116	∞	0.0003
BGIBMGA013418	0.000	1.504	∞	0.0003
BGIBMGA013667	0.000	15.268	∞	0.0003
BGIBMGA013720	0.000	1.265	∞	0.0003
BGIBMGA013915	0.000	6.007	∞	0.0003
BGIBMGA013942	0.000	2.693	∞	0.0003
BGIBMGA013984	0.000	210.153	∞	0.0003
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BGIBMGA011215	40.202	20.094	-1.000	0.0003
BGIBMGA004616	22.713	11.350	-1.001	0.0005
BGIBMGA013172	49.143	24.552	-1.001	0.0180
BGIBMGA003961	174.941	87.392	-1.001	0.0003
BGIBMGA007636	31.547	15.739	-1.003	0.0003
BGIBMGA005700	122.240	60.960	-1.004	0.0003
BGIBMGA009086	9.848	4.910	-1.004	0.0066
BGIBMGA001713	112.865	56.243	-1.005	0.0003
BGIBMGA002851	110.927	55.272	-1.005	0.0003
BGIBMGA007780	11.990	5.972	-1.005	0.0105
BGIBMGA005428	137.652	68.506	-1.007	0.0003
BGIBMGA014085	44.392	22.064	-1.009	0.0387
BGIBMGA011911	126.418	62.832	-1.009	0.0003
BGIBMGA013430	27.260	13.542	-1.009	0.0003
BGIBMGA010018	9.746	4.838	-1.010	0.0003
BGIBMGA006943	16.804	8.341	-1.011	0.0047
BGIBMGA002451	14.524	7.209	-1.011	0.0025
BGIBMGA007427	63.295	31.413	-1.011	0.0066
BGIBMGA014469	12.583	6.245	-1.011	0.0177
BGIBMGA004557	59.499	29.513	-1.012	0.0007
BGIBMGA009848	15.726	7.796	-1.012	0.0003
BGIBMGA007697	112.464	55.737	-1.013	0.0003
BGIBMGA006062	1857.020	920.082	-1.013	0.0003
BGIBMGA003470	34.870	17.276	-1.013	0.0003
BGIBMGA003839	26.824	13.288	-1.013	0.0041

BGIBMGA009517	35.691	17.667	-1.015	0.0003
BGIBMGA013649	41.535	20.560	-1.015	0.0003
BGIBMGA005066	32.494	16.082	-1.015	0.0003
BGIBMGA012920	52.675	26.067	-1.015	0.0151
BGIBMGA010110	13.815	6.834	-1.016	0.0014
BGIBMGA006274	2.455	1.214	-1.016	0.0101
BGIBMGA001139	16.223	8.017	-1.017	0.0021
BGIBMGA010496	35.802	17.687	-1.017	0.0005
BGIBMGA002821	26.968	13.316	-1.018	0.0005
BGIBMGA013322	61.357	30.282	-1.019	0.0017
BGIBMGA001978	18.119	8.939	-1.019	0.0048
BGIBMGA011111	52.007	25.649	-1.020	0.0003
BGIBMGA008775	30.447	15.005	-1.021	0.0187
BGIBMGA005282	270.131	133.083	-1.021	0.0003
BGIBMGA001268	22.182	10.928	-1.021	0.0003
BGIBMGA013199	37.837	18.639	-1.021	0.0003
BGIBMGA000204	69.395	34.182	-1.022	0.0003
BGIBMGA000209	3.647	1.796	-1.022	0.0102
BGIBMGA005099	9.345	4.602	-1.022	0.0312
BGIBMGA007656	185.012	91.105	-1.022	0.0009
BGIBMGA004247	26.823	13.205	-1.022	0.0022
BGIBMGA008750	25.210	12.408	-1.023	0.0003
BGIBMGA002186	3437.260	1690.830	-1.024	0.0003
BGIBMGA003936	278.986	137.228	-1.024	0.0057
BGIBMGA000497	9.846	4.843	-1.024	0.0313
BGIBMGA010581	70.932	34.884	-1.024	0.0003
BGIBMGA010888	68.773	33.812	-1.024	0.0003
BGIBMGA008066	22.870	11.233	-1.026	0.0003
BGIBMGA002842	41.659	20.461	-1.026	0.0003
BGIBMGA005715	51.134	25.111	-1.026	0.0022
BGIBMGA002857	37.749	18.537	-1.026	0.0007
BGIBMGA000466	31.168	15.305	-1.026	0.0009
BGIBMGA001189	248.024	121.752	-1.027	0.0027
BGIBMGA004918	120.338	59.058	-1.027	0.0044
BGIBMGA001552	112.124	55.004	-1.028	0.0003
BGIBMGA013799	12.523	6.142	-1.028	0.0003
BGIBMGA003900	24.920	12.215	-1.029	0.0087
BGIBMGA000129	4095.660	2005.530	-1.030	0.0003
BGIBMGA007568	123.987	60.693	-1.031	0.0003
BGIBMGA001642	56.013	27.417	-1.031	0.0005
BGIBMGA012260	49.663	24.302	-1.031	0.0003
BGIBMGA011744	81.112	39.674	-1.032	0.0003
BGIBMGA000645	6.833	3.340	-1.033	0.0057
BGIBMGA003364	29.902	14.600	-1.034	0.0093
BGIBMGA011222	15.958	7.791	-1.034	0.0003
BGIBMGA013608	24.809	12.112	-1.034	0.0003
BGIBMGA000202	80.955	39.472	-1.036	0.0060
BGIBMGA013731	13.107	6.389	-1.037	0.0181
BGIBMGA003145	13.890	6.770	-1.037	0.0003
BGIBMGA008378	45.106	21.981	-1.037	0.0003
BGIBMGA012584	199.703	97.315	-1.037	0.0003
BGIBMGA000574	50.853	24.767	-1.038	0.0017
BGIBMGA013014	8.561	4.167	-1.039	0.0191
BGIBMGA005454	19.662	9.571	-1.039	0.0003
BGIBMGA009888	329.135	160.208	-1.039	0.0003
BGIBMGA013600	17.929	8.727	-1.039	0.0003
BGIBMGA003515	210.481	102.373	-1.040	0.0003
BGIBMGA013933	61.373	29.846	-1.040	0.0009
BGIBMGA007387	20.706	10.069	-1.040	0.0003
BGIBMGA009234	186.789	90.808	-1.041	0.0003
BGIBMGA006952	15.126	7.353	-1.041	0.0003
BGIBMGA011739	9.228	4.485	-1.041	0.0200
BGIBMGA004593	75.381	36.632	-1.041	0.0003
BGIBMGA013117	23.606	11.466	-1.042	0.0003
BGIBMGA003822	77.543	37.659	-1.042	0.0003
BGIBMGA002552	52.910	25.691	-1.042	0.0003
BGIBMGA003660	503.841	244.584	-1.043	0.0003
BGIBMGA012407	63.408	30.780	-1.043	0.0011
BGIBMGA003750	50.302	24.412	-1.043	0.0022
BGIBMGA008586	16.983	8.238	-1.044	0.0005
BGIBMGA000766	32.886	15.952	-1.044	0.0003
BGIBMGA009922	241.648	117.133	-1.045	0.0003
BGIBMGA003478	17.489	8.469	-1.046	0.0040
BGIBMGA007386	185.098	89.620	-1.046	0.0003
BGIBMGA000546	115.356	55.833	-1.047	0.0003
BGIBMGA008456	38.100	18.435	-1.047	0.0080
BGIBMGA010850	198.354	95.955	-1.048	0.0003
BGIBMGA012525	25.620	12.390	-1.048	0.0003
BGIBMGA013909	14.542	7.032	-1.048	0.0021
BGIBMGA013595	57.934	28.006	-1.049	0.0003
BGIBMGA007456	170.456	82.379	-1.049	0.0003
BGIBMGA008300	294.813	142.458	-1.049	0.0003

BGIBMGA011572	94.074	45.457	-1.049	0.0003
BGIBMGA012412	18.489	8.925	-1.051	0.0003
BGIBMGA006595	75.036	36.172	-1.053	0.0003
BGIBMGA006230	119.687	57.607	-1.055	0.0003
BGIBMGA006021	80.264	38.629	-1.055	0.0014
BGIBMGA004712	42.161	20.277	-1.056	0.0003
BGIBMGA006798	17.624	8.476	-1.056	0.0046
BGIBMGA005851	17.547	8.429	-1.058	0.0003
BGIBMGA008906	37.869	18.188	-1.058	0.0003
BGIBMGA010441	34.822	16.723	-1.058	0.0059
BGIBMGA011706	14.768	7.089	-1.059	0.0236
BGIBMGA012062	12.268	5.885	-1.060	0.0014
BGIBMGA008214	115.833	55.563	-1.060	0.0003
BGIBMGA010785	23.118	11.089	-1.060	0.0003
BGIBMGA011419	14.643	7.023	-1.060	0.0400
BGIBMGA002587	36.044	17.272	-1.061	0.0017
BGIBMGA011704	9.429	4.513	-1.063	0.0051
BGIBMGA012698	75.146	35.969	-1.063	0.0003
BGIBMGA000146	22.253	10.651	-1.063	0.0003
BGIBMGA002480	145.158	69.476	-1.063	0.0003
BGIBMGA012794	59.251	28.351	-1.063	0.0003
BGIBMGA013217	34.358	16.435	-1.064	0.0011
BGIBMGA003050	26.646	12.740	-1.065	0.0012
BGIBMGA011603	13.932	6.660	-1.065	0.0003
BGIBMGA012908	45.227	21.608	-1.066	0.0003
BGIBMGA013670	37.772	18.044	-1.066	0.0157
BGIBMGA011225	3.906	1.865	-1.066	0.0301
BGIBMGA001380	61.389	29.294	-1.067	0.0003
BGIBMGA008448	47.723	22.766	-1.068	0.0007
BGIBMGA003401	217.245	103.614	-1.068	0.0003
BGIBMGA013460	19.490	9.294	-1.068	0.0014
BGIBMGA011452	25.797	12.301	-1.068	0.0345
BGIBMGA008170	49.616	23.658	-1.068	0.0003
BGIBMGA012129	81.908	39.055	-1.069	0.0003
BGIBMGA013889	21.938	10.458	-1.069	0.0021
BGIBMGA009903	37.035	17.649	-1.069	0.0003
BGIBMGA009372	18.922	9.003	-1.072	0.0003
BGIBMGA009371	16.118	7.668	-1.072	0.0005
BGIBMGA006106	333.568	158.518	-1.073	0.0003
BGIBMGA011614	36.485	17.336	-1.074	0.0087
BGIBMGA001382	72.287	34.329	-1.074	0.0040
BGIBMGA004231	3710.360	1761.640	-1.075	0.0003
BGIBMGA001643	10.116	4.803	-1.075	0.0141
BGIBMGA013445	4.575	2.171	-1.076	0.0161
BGIBMGA006551	31.077	14.744	-1.076	0.0003
BGIBMGA004257	6.257	2.968	-1.076	0.0087
BGIBMGA003800	39.071	18.531	-1.076	0.0003
BGIBMGA009175	18.442	8.741	-1.077	0.0016
BGIBMGA000482	8.722	4.134	-1.077	0.0295
BGIBMGA014598	35.561	16.841	-1.078	0.0083
BGIBMGA007291	4.402	2.084	-1.079	0.0128
BGIBMGA010747	17.429	8.252	-1.079	0.0009
BGIBMGA009908	120.093	56.831	-1.079	0.0101
BGIBMGA011352	9.737	4.606	-1.080	0.0236
BGIBMGA012582	108.499	51.305	-1.081	0.0003
BGIBMGA000447	72.721	34.382	-1.081	0.0003
BGIBMGA008258	416.812	196.887	-1.082	0.0022
BGIBMGA009749	53.012	25.036	-1.082	0.0003
BGIBMGA001771	58.964	27.846	-1.082	0.0003
BGIBMGA005575	89.364	42.180	-1.083	0.0019
BGIBMGA012701	77.691	36.643	-1.084	0.0003
BGIBMGA008721	181.408	85.541	-1.085	0.0003
BGIBMGA012319	28.314	13.338	-1.086	0.0005
BGIBMGA007334	2729.530	1285.520	-1.086	0.0011
BGIBMGA006925	107.866	50.757	-1.088	0.0003
BGIBMGA010015	51.216	24.094	-1.088	0.0003
BGIBMGA013750	19.495	9.170	-1.088	0.0034
BGIBMGA001481	29.134	13.694	-1.089	0.0041
BGIBMGA004626	1009.400	473.965	-1.091	0.0003
BGIBMGA003630	53.527	25.113	-1.092	0.0003
BGIBMGA005582	96.602	45.294	-1.093	0.0003
BGIBMGA003115	4.614	2.162	-1.093	0.0158
BGIBMGA008648	126.007	59.040	-1.094	0.0003
BGIBMGA002841	47.838	22.403	-1.095	0.0003
BGIBMGA001348	45.429	21.274	-1.095	0.0003
BGIBMGA007120	357.507	167.126	-1.097	0.0003
BGIBMGA011925	16.857	7.876	-1.098	0.0036
BGIBMGA011747	77.226	36.064	-1.099	0.0003
BGIBMGA005963	49.677	23.198	-1.099	0.0003
BGIBMGA010852	41.158	19.216	-1.099	0.0012
BGIBMGA011333	58.701	27.402	-1.099	0.0003
BGIBMGA007410	796.103	371.531	-1.099	0.0003

BGIBMGA005292	150.009	69.981	-1.100	0.0003
BGIBMGA011872	57.950	27.034	-1.100	0.0003
BGIBMGA004658	104.482	48.742	-1.100	0.0003
BGIBMGA001547	60.868	28.386	-1.101	0.0003
BGIBMGA002756	42.052	19.609	-1.101	0.0003
BGIBMGA013201	3536.070	1648.530	-1.101	0.0003
BGIBMGA009460	97.958	45.666	-1.101	0.0003
BGIBMGA004640	52.761	24.576	-1.102	0.0003
BGIBMGA011332	13.892	6.470	-1.102	0.0003
BGIBMGA001259	97.635	45.424	-1.104	0.0003
BGIBMGA013914	9.937	4.620	-1.105	0.0091
BGIBMGA011610	28.491	13.247	-1.105	0.0003
BGIBMGA002673	27.793	12.916	-1.106	0.0003
BGIBMGA014201	58.585	27.224	-1.106	0.0003
BGIBMGA000855	38.276	17.787	-1.106	0.0003
BGIBMGA007133	21.877	10.162	-1.106	0.0003
BGIBMGA003759	160.412	74.416	-1.108	0.0003
BGIBMGA012843	62.782	29.122	-1.108	0.0003
BGIBMGA010992	104.787	48.596	-1.109	0.0003
BGIBMGA007759	9.835	4.560	-1.109	0.0003
BGIBMGA013224	113.723	52.721	-1.109	0.0011
BGIBMGA005750	47.154	21.859	-1.109	0.0003
BGIBMGA008876	14.245	6.599	-1.110	0.0051
BGIBMGA013352	3.837	1.778	-1.110	0.0130
BGIBMGA005914	10.102	4.676	-1.111	0.0003
BGIBMGA012135	22.977	10.635	-1.111	0.0028
BGIBMGA008145	33.049	15.292	-1.112	0.0199
BGIBMGA013171	26.181	12.108	-1.113	0.0007
BGIBMGA000852	51.368	23.748	-1.113	0.0005
BGIBMGA014506	9.449	4.368	-1.113	0.0223
BGIBMGA013415	58.389	26.978	-1.114	0.0003
BGIBMGA012227	76.182	35.196	-1.114	0.0046
BGIBMGA005554	19.658	9.079	-1.114	0.0120
BGIBMGA012048	13.291	6.127	-1.117	0.0036
BGIBMGA014537	7.249	3.340	-1.118	0.0076
BGIBMGA012004	113.135	52.133	-1.118	0.0003
BGIBMGA007179	144.666	66.645	-1.118	0.0003
BGIBMGA008455	45.952	21.169	-1.118	0.0011
BGIBMGA012083	144.980	66.776	-1.118	0.0003
BGIBMGA000132	435.292	200.165	-1.121	0.0003
BGIBMGA012682	10.999	5.057	-1.121	0.0153
BGIBMGA013021	912.268	419.443	-1.121	0.0003
BGIBMGA000597	144.461	66.416	-1.121	0.0003
BGIBMGA008373	21.145	9.719	-1.121	0.0037
BGIBMGA007355	351.396	161.457	-1.122	0.0003
BGIBMGA003208	35.942	16.510	-1.122	0.0014
BGIBMGA009225	15.147	6.958	-1.122	0.0003
BGIBMGA006075	62.101	28.516	-1.123	0.0003
BGIBMGA009550	84.266	38.681	-1.123	0.0003
BGIBMGA009670	23.628	10.846	-1.123	0.0070
BGIBMGA010359	42.879	19.672	-1.124	0.0009
BGIBMGA011155	50.711	23.265	-1.124	0.0033
BGIBMGA011914	53.847	24.701	-1.124	0.0003
BGIBMGA004119	28.961	13.285	-1.124	0.0046
BGIBMGA006103	27.936	12.809	-1.125	0.0003
BGIBMGA006339	10.366	4.745	-1.127	0.0139
BGIBMGA008957	134.702	61.646	-1.128	0.0003
BGIBMGA011982	22.093	10.110	-1.128	0.0003
BGIBMGA006040	32.838	15.014	-1.129	0.0003
BGIBMGA006675	19.118	8.739	-1.129	0.0007
BGIBMGA008592	26.905	12.296	-1.130	0.0003
BGIBMGA001621	5.688	2.599	-1.130	0.0039
BGIBMGA010776	176.410	80.519	-1.132	0.0011
BGIBMGA008650	157.986	72.101	-1.132	0.0142
BGIBMGA008965	399.339	182.245	-1.132	0.0003
BGIBMGA005091	41.346	18.864	-1.132	0.0003
BGIBMGA004179	79.184	36.128	-1.132	0.0003
BGIBMGA001450	34.754	15.853	-1.132	0.0003
BGIBMGA003519	211.567	96.465	-1.133	0.0003
BGIBMGA012444	22.343	10.185	-1.133	0.0003
BGIBMGA000033	32.768	14.936	-1.133	0.0019
BGIBMGA001428	44.261	20.171	-1.134	0.0003
BGIBMGA012743	59.769	27.238	-1.134	0.0003
BGIBMGA006577	33.641	15.278	-1.139	0.0011
BGIBMGA013392	22.101	10.033	-1.139	0.0003
BGIBMGA011271	54.147	24.572	-1.140	0.0003
BGIBMGA013597	308.326	139.918	-1.140	0.0003
BGIBMGA013398	71.784	32.552	-1.141	0.0003
BGIBMGA006864	87.657	39.739	-1.141	0.0003
BGIBMGA004353	3.056	1.385	-1.142	0.0155
BGIBMGA008157	212.740	96.385	-1.142	0.0339
BGIBMGA005051	33.346	15.093	-1.144	0.0009

BGIBMGA013423	15.695	7.102	-1.144	0.0003
BGIBMGA012807	29.529	13.359	-1.144	0.0003
BGIBMGA013554	19.396	8.773	-1.145	0.0021
BGIBMGA000461	83.382	37.696	-1.145	0.0003
BGIBMGA001580	47.884	21.634	-1.146	0.0005
BGIBMGA009190	136.954	61.854	-1.147	0.0003
BGIBMGA008436	38.619	17.441	-1.147	0.0003
BGIBMGA008073	110.480	49.890	-1.147	0.0003
BGIBMGA013413	9562.480	4317.780	-1.147	0.0003
BGIBMGA013442	19.020	8.586	-1.147	0.0003
BGIBMGA007573	45.895	20.691	-1.149	0.0003
BGIBMGA005124	50.705	22.852	-1.150	0.0003
BGIBMGA001709	47.869	21.574	-1.150	0.0003
BGIBMGA005861	8734.880	3933.060	-1.151	0.0003
BGIBMGA009854	38.832	17.463	-1.153	0.0003
BGIBMGA011487	3.744	1.684	-1.153	0.0300
BGIBMGA001712	50.240	22.587	-1.153	0.0003
BGIBMGA013390	24.208	10.881	-1.154	0.0081
BGIBMGA008888	234.593	105.405	-1.154	0.0396
BGIBMGA007906	53.819	24.176	-1.155	0.0003
BGIBMGA004391	47.760	21.449	-1.155	0.0005
BGIBMGA000817	9.451	4.240	-1.156	0.0011
BGIBMGA008277	24.059	10.794	-1.156	0.0003
BGIBMGA003216	230.188	103.244	-1.157	0.0003
BGIBMGA001370	39.552	17.738	-1.157	0.0003
BGIBMGA003951	11.116	4.984	-1.157	0.0090
BGIBMGA013107	140.227	62.869	-1.157	0.0003
BGIBMGA012909	56.802	25.435	-1.159	0.0011
BGIBMGA005731	41.076	18.388	-1.160	0.0003
BGIBMGA003299	4.688	2.099	-1.160	0.0016
BGIBMGA002928	70.722	31.643	-1.160	0.0019
BGIBMGA002002	41.336	18.494	-1.160	0.0003
BGIBMGA002667	69.605	31.127	-1.161	0.0051
BGIBMGA000379	21.033	9.404	-1.161	0.0003
BGIBMGA007018	33.266	14.870	-1.162	0.0003
BGIBMGA013872	28.921	12.924	-1.162	0.0007
BGIBMGA009199	107.581	48.074	-1.162	0.0003
BGIBMGA005852	61.010	27.253	-1.163	0.0003
BGIBMGA013086	94.619	42.245	-1.163	0.0059
BGIBMGA010194	23.392	10.440	-1.164	0.0003
BGIBMGA002695	97.916	43.683	-1.164	0.0003
BGIBMGA005777	80.786	36.036	-1.165	0.0003
BGIBMGA007176	20.367	9.083	-1.165	0.0053
BGIBMGA011931	17.714	7.897	-1.165	0.0054
BGIBMGA006164	24.356	10.859	-1.165	0.0012
BGIBMGA008917	90.861	40.447	-1.168	0.0003
BGIBMGA000509	88.284	39.291	-1.168	0.0003
BGIBMGA003999	48.275	21.482	-1.168	0.0003
BGIBMGA014270	417.627	185.623	-1.170	0.0003
BGIBMGA013512	27.467	12.198	-1.171	0.0003
BGIBMGA006167	24.674	10.956	-1.171	0.0039
BGIBMGA009235	291.249	129.320	-1.171	0.0003
BGIBMGA011684	11.591	5.145	-1.172	0.0099
BGIBMGA013431	13.222	5.864	-1.173	0.0012
BGIBMGA011406	30.272	13.419	-1.174	0.0009
BGIBMGA005601	58.144	25.746	-1.175	0.0003
BGIBMGA005121	14.145	6.260	-1.176	0.0109
BGIBMGA011642	62.590	27.695	-1.176	0.0019
BGIBMGA007622	65.572	29.011	-1.176	0.0003
BGIBMGA013233	28.068	12.416	-1.177	0.0003
BGIBMGA005837	18.908	8.363	-1.177	0.0003
BGIBMGA008995	14.565	6.440	-1.177	0.0430
BGIBMGA008223	15.381	6.801	-1.177	0.0188
BGIBMGA013447	168.192	74.364	-1.177	0.0003
BGIBMGA004137	20.707	9.155	-1.178	0.0003
BGIBMGA010263	15.182	6.704	-1.179	0.0003
BGIBMGA001717	33.176	14.644	-1.180	0.0003
BGIBMGA001405	36.939	16.303	-1.180	0.0005
BGIBMGA014318	37.914	16.729	-1.180	0.0003
BGIBMGA007203	2.728	1.204	-1.180	0.0036
BGIBMGA006095	7.058	3.111	-1.182	0.0028
BGIBMGA010540	11.877	5.234	-1.182	0.0136
BGIBMGA001141	52.921	23.298	-1.184	0.0003
BGIBMGA001674	52.888	23.253	-1.186	0.0041
BGIBMGA011192	16.680	7.333	-1.186	0.0021
BGIBMGA001770	47.218	20.758	-1.186	0.0003
BGIBMGA014088	17.303	7.605	-1.186	0.0003
BGIBMGA002539	258.069	113.331	-1.187	0.0003
BGIBMGA004195	22.572	9.909	-1.188	0.0003
BGIBMGA003789	108.249	47.519	-1.188	0.0003
BGIBMGA010404	13.233	5.808	-1.188	0.0044
BGIBMGA002419	23.469	10.296	-1.189	0.0003

BGIBMGA005745	5.447	2.388	-1.190	0.0034
BGIBMGA003806	54.819	24.026	-1.190	0.0003
BGIBMGA001082	299.985	131.370	-1.191	0.0003
BGIBMGA008816	5.507	2.411	-1.191	0.0377
BGIBMGA003288	8.358	3.659	-1.192	0.0077
BGIBMGA002757	13.134	5.744	-1.193	0.0005
BGIBMGA010899	76.454	33.378	-1.196	0.0003
BGIBMGA013375	2.949	1.286	-1.197	0.0077
BGIBMGA002656	30.589	13.342	-1.197	0.0003
BGIBMGA009546	18.792	8.195	-1.197	0.0016
BGIBMGA009443	7.808	3.404	-1.198	0.0019
BGIBMGA000207	2.349	1.023	-1.199	0.0230
BGIBMGA006333	26.863	11.699	-1.199	0.0003
BGIBMGA007758	5.607	2.440	-1.200	0.0404
BGIBMGA005701	1649.770	717.871	-1.200	0.0003
BGIBMGA004446	8.068	3.509	-1.201	0.0003
BGIBMGA000791	9.456	4.111	-1.202	0.0005
BGIBMGA012202	125.227	54.434	-1.202	0.0003
BGIBMGA006564	26.949	11.708	-1.203	0.0057
BGIBMGA009915	92.775	40.282	-1.204	0.0003
BGIBMGA011888	140.628	60.998	-1.205	0.0003
BGIBMGA002809	37.802	16.395	-1.205	0.0117
BGIBMGA010114	3.541	1.536	-1.205	0.0376
BGIBMGA013538	69.577	30.168	-1.206	0.0003
BGIBMGA004091	80.430	34.871	-1.206	0.0005
BGIBMGA003376	15.171	6.577	-1.206	0.0003
BGIBMGA003867	43.464	18.839	-1.206	0.0003
BGIBMGA002047	30.962	13.419	-1.206	0.0009
BGIBMGA003788	93.694	40.585	-1.207	0.0003
BGIBMGA009582	46.005	19.927	-1.207	0.0012
BGIBMGA007372	13.741	5.951	-1.207	0.0005
BGIBMGA014381	1.335	0.578	-1.207	0.0448
BGIBMGA010991	71.953	31.159	-1.207	0.0003
BGIBMGA009898	10.572	4.577	-1.208	0.0009
BGIBMGA009612	27.245	11.785	-1.209	0.0046
BGIBMGA013386	15.105	6.532	-1.209	0.0128
BGIBMGA007888	5.603	2.423	-1.210	0.0030
BGIBMGA007330	59.145	25.565	-1.210	0.0003
BGIBMGA006654	24.886	10.757	-1.210	0.0003
BGIBMGA004340	2067.630	893.311	-1.211	0.0003
BGIBMGA014518	217.155	93.681	-1.213	0.0003
BGIBMGA013311	6.166	2.660	-1.213	0.0194
BGIBMGA014470	2.170	0.936	-1.214	0.0066
BGIBMGA014485	32.961	14.195	-1.215	0.0169
BGIBMGA001076	168.405	72.518	-1.216	0.0003
BGIBMGA004972	179.827	77.361	-1.217	0.0003
BGIBMGA008565	35.006	15.053	-1.218	0.0088
BGIBMGA007539	98.463	42.316	-1.218	0.0003
BGIBMGA010332	3.639	1.564	-1.219	0.0025
BGIBMGA011425	14.730	6.326	-1.219	0.0071
BGIBMGA011952	20.637	8.863	-1.219	0.0190
BGIBMGA008403	32.507	13.956	-1.220	0.0003
BGIBMGA012321	8.058	3.458	-1.221	0.0276
BGIBMGA008190	50.633	21.704	-1.222	0.0003
BGIBMGA000134	37.848	16.212	-1.223	0.0037
BGIBMGA009412	42.793	18.329	-1.223	0.0003
BGIBMGA014184	13.335	5.710	-1.224	0.0019
BGIBMGA007140	9.752	4.175	-1.224	0.0021
BGIBMGA006904	46.695	19.961	-1.226	0.0003
BGIBMGA011289	15.519	6.631	-1.227	0.0007
BGIBMGA009183	317.991	135.810	-1.227	0.0003
BGIBMGA013811	174.997	74.674	-1.229	0.0003
BGIBMGA006614	65.306	27.853	-1.229	0.0003
BGIBMGA010868	106.297	45.326	-1.230	0.0003
BGIBMGA002537	21.854	9.319	-1.230	0.0003
BGIBMGA000853	75.839	32.315	-1.231	0.0003
BGIBMGA013400	25.265	10.748	-1.233	0.0003
BGIBMGA007992	11.376	4.834	-1.235	0.0066
BGIBMGA013037	13.270	5.632	-1.236	0.0071
BGIBMGA001008	36.814	15.608	-1.238	0.0003
BGIBMGA003511	104.392	44.255	-1.238	0.0003
BGIBMGA008820	10.138	4.297	-1.239	0.0063
BGIBMGA006950	599.371	253.956	-1.239	0.0025
BGIBMGA005306	38.600	16.352	-1.239	0.0003
BGIBMGA007423	217.824	92.229	-1.240	0.0003
BGIBMGA010073	782.651	331.368	-1.240	0.0003
BGIBMGA000080	15.931	6.741	-1.241	0.0014
BGIBMGA011443	24.744	10.470	-1.241	0.0027
BGIBMGA011932	47.342	20.028	-1.241	0.0003
BGIBMGA006351	220.473	93.232	-1.242	0.0082
BGIBMGA009570	131.914	55.768	-1.242	0.0003
BGIBMGA008562	41.420	17.507	-1.242	0.0003

BGIBMGA003852	9.743	4.118	-1.243	0.0003
BGIBMGA012303	8.433	3.563	-1.243	0.0137
BGIBMGA002803	24.794	10.475	-1.243	0.0017
BGIBMGA010804	56.427	23.834	-1.243	0.0003
BGIBMGA009176	8.393	3.543	-1.244	0.0055
BGIBMGA012382	7.412	3.126	-1.246	0.0112
BGIBMGA014370	11.993	5.056	-1.246	0.0003
BGIBMGA006637	46.009	19.391	-1.247	0.0003
BGIBMGA007631	76.899	32.373	-1.248	0.0003
BGIBMGA004411	102.123	42.981	-1.249	0.0009
BGIBMGA012789	25.098	10.563	-1.249	0.0003
BGIBMGA014328	28.289	11.895	-1.250	0.0022
BGIBMGA007175	17.227	7.243	-1.250	0.0003
BGIBMGA009862	50.806	21.360	-1.250	0.0007
BGIBMGA011231	27.458	11.539	-1.251	0.0003
BGIBMGA011525	21.591	9.073	-1.251	0.0003
BGIBMGA000160	56.156	23.592	-1.251	0.0081
BGIBMGA006766	25.285	10.620	-1.252	0.0048
BGIBMGA003851	20.066	8.425	-1.252	0.0003
BGIBMGA005327	51.841	21.745	-1.253	0.0003
BGIBMGA001725	49.849	20.908	-1.254	0.0003
BGIBMGA011269	17.081	7.163	-1.254	0.0003
BGIBMGA002927	46.408	19.449	-1.255	0.0003
BGIBMGA012591	54.418	22.786	-1.256	0.0003
BGIBMGA000479	15.528	6.481	-1.261	0.0421
BGIBMGA014159	25.004	10.434	-1.261	0.0003
BGIBMGA000483	5.183	2.163	-1.261	0.0111
BGIBMGA010327	49.753	20.757	-1.261	0.0003
BGIBMGA012832	7.830	3.266	-1.261	0.0228
BGIBMGA012415	39.889	16.638	-1.261	0.0206
BGIBMGA001594	79.035	32.926	-1.263	0.0003
BGIBMGA003093	12.493	5.203	-1.264	0.0009
BGIBMGA009577	168.430	70.150	-1.264	0.0003
BGIBMGA001441	21.706	9.040	-1.264	0.0044
BGIBMGA010973	450.895	187.639	-1.265	0.0003
BGIBMGA011993	31.877	13.258	-1.266	0.0003
BGIBMGA012988	48.033	19.964	-1.267	0.0144
BGIBMGA008681	37.958	15.776	-1.267	0.0003
BGIBMGA001077	142.641	59.261	-1.267	0.0003
BGIBMGA006765	100.564	41.765	-1.268	0.0005
BGIBMGA011531	371.607	154.244	-1.269	0.0003
BGIBMGA003964	134.011	55.560	-1.270	0.0003
BGIBMGA013144	101.645	42.066	-1.273	0.0003
BGIBMGA013580	64.339	26.605	-1.274	0.0003
BGIBMGA005770	56.847	23.506	-1.274	0.0003
BGIBMGA005387	21.041	8.695	-1.275	0.0192
BGIBMGA007381	214.233	88.489	-1.276	0.0005
BGIBMGA006460	28.991	11.974	-1.276	0.0005
BGIBMGA006328	82.963	34.236	-1.277	0.0003
BGIBMGA003071	41.008	16.921	-1.277	0.0003
BGIBMGA000441	23.500	9.696	-1.277	0.0113
BGIBMGA013119	80.384	33.162	-1.277	0.0003
BGIBMGA012589	49.532	20.399	-1.280	0.0014
BGIBMGA004188	16.002	6.586	-1.281	0.0003
BGIBMGA005846	97.541	40.136	-1.281	0.0022
BGIBMGA005714	20.535	8.449	-1.281	0.0003
BGIBMGA005584	13.436	5.522	-1.283	0.0005
BGIBMGA004682	160.308	65.818	-1.284	0.0003
BGIBMGA003243	155.506	63.842	-1.284	0.0003
BGIBMGA004677	4.290	1.760	-1.285	0.0337
BGIBMGA012771	220.106	90.225	-1.287	0.0003
BGIBMGA013658	4.546	1.863	-1.287	0.0066
BGIBMGA010562	277.090	113.470	-1.288	0.0003
BGIBMGA004537	23.097	9.454	-1.289	0.0003
BGIBMGA004555	14.942	6.114	-1.289	0.0009
BGIBMGA012339	24.044	9.838	-1.289	0.0003
BGIBMGA004193	37.304	15.262	-1.289	0.0003
BGIBMGA004845	15.713	6.427	-1.290	0.0003
BGIBMGA007939	39.366	16.094	-1.290	0.0009
BGIBMGA007323	26.722	10.920	-1.291	0.0019
BGIBMGA006126	12.487	5.099	-1.292	0.0098
BGIBMGA009375	333.746	136.245	-1.293	0.0003
BGIBMGA004701	159.370	65.020	-1.293	0.0003
BGIBMGA008336	452.262	184.475	-1.294	0.0003
BGIBMGA007321	567.624	231.526	-1.294	0.0003
BGIBMGA005920	24.046	9.807	-1.294	0.0003
BGIBMGA007910	51.141	20.853	-1.294	0.0003
BGIBMGA012624	7.693	3.136	-1.295	0.0016
BGIBMGA005865	87.482	35.600	-1.297	0.0003
BGIBMGA007646	29.462	11.978	-1.298	0.0003
BGIBMGA005634	28.624	11.631	-1.299	0.0003
BGIBMGA012273	246.724	100.124	-1.301	0.0003



BGIBMGA002499	32.382	13.139	-1.301	0.0003
BGIBMGA012139	78.543	31.832	-1.303	0.0005
BGIBMGA003594	24.694	9.994	-1.305	0.0003
BGIBMGA004818	78.036	31.561	-1.306	0.0003
BGIBMGA005718	436.042	176.150	-1.308	0.0003
BGIBMGA011941	14.643	5.915	-1.308	0.0003
BGIBMGA012401	46.414	18.724	-1.310	0.0011
BGIBMGA007371	38.773	15.639	-1.310	0.0016
BGIBMGA011951	9.608	3.872	-1.311	0.0356
BGIBMGA011878	1.730	0.697	-1.311	0.0407
BGIBMGA013851	10.890	4.388	-1.311	0.0003
BGIBMGA012261	110.830	44.630	-1.312	0.0003
BGIBMGA013041	289.472	116.561	-1.312	0.0298
BGIBMGA009215	2.622	1.056	-1.312	0.0141
BGIBMGA013478	61.371	24.707	-1.313	0.0003
BGIBMGA003791	1970.090	792.927	-1.313	0.0003
BGIBMGA004556	31.794	12.782	-1.315	0.0003
BGIBMGA013063	220.442	88.545	-1.316	0.0003
BGIBMGA001833	39.566	15.892	-1.316	0.0003
BGIBMGA006808	19.894	7.990	-1.316	0.0003
BGIBMGA003310	28.814	11.567	-1.317	0.0003
BGIBMGA008295	1041.380	417.679	-1.318	0.0003
BGIBMGA008686	5.719	2.294	-1.318	0.0044
BGIBMGA006713	53.744	21.543	-1.319	0.0087
BGIBMGA004704	26.946	10.800	-1.319	0.0003
BGIBMGA003997	159.330	63.804	-1.320	0.0003
BGIBMGA011814	17.658	7.067	-1.321	0.0003
BGIBMGA005588	74.897	29.964	-1.322	0.0003
BGIBMGA010995	17.157	6.859	-1.323	0.0028
BGIBMGA013310	14.751	5.897	-1.323	0.0074
BGIBMGA014212	46.219	18.456	-1.324	0.0003
BGIBMGA013983	126.428	50.475	-1.325	0.0003
BGIBMGA011341	33.803	13.493	-1.325	0.0003
BGIBMGA007774	16.714	6.665	-1.326	0.0007
BGIBMGA006146	4.737	1.888	-1.327	0.0085
BGIBMGA002095	56.635	22.572	-1.327	0.0219
BGIBMGA013735	13.854	5.520	-1.327	0.0009
BGIBMGA003403	71.121	28.337	-1.328	0.0003
BGIBMGA006099	1194.660	475.494	-1.329	0.0003
BGIBMGA002735	3.975	1.581	-1.330	0.0357
BGIBMGA008025	101.756	40.443	-1.331	0.0003
BGIBMGA005709	5.272	2.095	-1.332	0.0425
BGIBMGA010007	3.907	1.551	-1.333	0.0221
BGIBMGA008658	32.008	12.702	-1.333	0.0003
BGIBMGA007764	151.477	60.106	-1.334	0.0003
BGIBMGA010331	26.037	10.322	-1.335	0.0003
BGIBMGA013594	157.640	62.484	-1.335	0.0003
BGIBMGA009549	59.826	23.686	-1.337	0.0003
BGIBMGA007444	21.099	8.344	-1.338	0.0011
BGIBMGA001371	54.112	21.387	-1.339	0.0003
BGIBMGA014445	29.554	11.680	-1.339	0.0003
BGIBMGA001834	71.680	28.311	-1.340	0.0009
BGIBMGA009333	65.332	25.804	-1.340	0.0003
BGIBMGA002745	14.331	5.653	-1.342	0.0007
BGIBMGA000796	15.874	6.261	-1.342	0.0137
BGIBMGA005838	93.765	36.969	-1.343	0.0003
BGIBMGA004748	45.517	17.906	-1.346	0.0003
BGIBMGA006948	8.800	3.462	-1.346	0.0009
BGIBMGA011262	28.406	11.162	-1.348	0.0003
BGIBMGA001924	20.988	8.244	-1.348	0.0003
BGIBMGA007737	456.996	179.441	-1.349	0.0184
BGIBMGA010363	62.161	24.370	-1.351	0.0003
BGIBMGA012358	9.656	3.785	-1.351	0.0030
BGIBMGA004418	30.106	11.799	-1.351	0.0019
BGIBMGA011057	202.770	79.429	-1.352	0.0003
BGIBMGA005812	1853.710	726.000	-1.352	0.0003
BGIBMGA006038	87.339	34.199	-1.353	0.0003
BGIBMGA006493	82.042	32.122	-1.353	0.0011
BGIBMGA006072	49.579	19.400	-1.354	0.0003
BGIBMGA013421	179.770	70.302	-1.355	0.0003
BGIBMGA003705	22.927	8.960	-1.355	0.0003
BGIBMGA004757	125.534	49.058	-1.356	0.0003
BGIBMGA005450	33.321	13.022	-1.356	0.0003
BGIBMGA008967	54.600	21.336	-1.356	0.0003
BGIBMGA011132	28.401	11.095	-1.356	0.0003
BGIBMGA012896	189.660	74.057	-1.357	0.0003
BGIBMGA004141	60.044	23.437	-1.357	0.0003
BGIBMGA013485	20.410	7.965	-1.358	0.0003
BGIBMGA003170	14.802	5.772	-1.359	0.0003
BGIBMGA006138	94.165	36.679	-1.360	0.0003
BGIBMGA010436	22.630	8.810	-1.361	0.0003
BGIBMGA009297	22.716	8.839	-1.362	0.0003

BGIBMGA002534	3.984	1.550	-1.362	0.0146
BGIBMGA001744	45.687	17.764	-1.363	0.0003
BGIBMGA001171	5.840	2.270	-1.363	0.0203
BGIBMGA000147	85.896	33.391	-1.363	0.0003
BGIBMGA011158	34.829	13.537	-1.363	0.0407
BGIBMGA004534	128.314	49.870	-1.363	0.0003
BGIBMGA008764	4.473	1.737	-1.364	0.0017
BGIBMGA003654	30.648	11.900	-1.365	0.0003
BGIBMGA001878	87.511	33.976	-1.365	0.0003
BGIBMGA010615	33.083	12.844	-1.365	0.0003
BGIBMGA006716	2.830	1.098	-1.365	0.0088
BGIBMGA001850	8.405	3.262	-1.366	0.0125
BGIBMGA008368	4.625	1.794	-1.366	0.0040
BGIBMGA002355	115.739	44.888	-1.366	0.0003
BGIBMGA002131	1.816	0.704	-1.367	0.0053
BGIBMGA014456	825.201	319.772	-1.368	0.0003
BGIBMGA001352	130.106	50.364	-1.369	0.0003
BGIBMGA006804	1.949	0.754	-1.370	0.0193
BGIBMGA008124	21.808	8.409	-1.375	0.0003
BGIBMGA006717	5.693	2.192	-1.377	0.0057
BGIBMGA012299	5.234	2.015	-1.377	0.0012
BGIBMGA001052	54.452	20.963	-1.377	0.0005
BGIBMGA012436	1306.640	502.667	-1.378	0.0003
BGIBMGA004630	97.963	37.651	-1.380	0.0003
BGIBMGA013603	58.866	22.610	-1.380	0.0003
BGIBMGA006107	405.802	155.857	-1.381	0.0003
BGIBMGA010853	123.879	47.536	-1.382	0.0003
BGIBMGA002804	38.453	14.738	-1.384	0.0003
BGIBMGA003807	60.707	23.260	-1.384	0.0003
BGIBMGA004423	60.249	23.083	-1.384	0.0003
BGIBMGA002161	67.928	25.995	-1.386	0.0003
BGIBMGA006527	4.468	1.709	-1.386	0.0361
BGIBMGA002030	54.314	20.762	-1.387	0.0031
BGIBMGA001080	1919.080	733.474	-1.388	0.0003
BGIBMGA007467	161.835	61.830	-1.388	0.0003
BGIBMGA001704	38.502	14.710	-1.388	0.0003
BGIBMGA005083	161.449	61.664	-1.389	0.0003
BGIBMGA007770	48.416	18.476	-1.390	0.0003
BGIBMGA009256	16.278	6.212	-1.390	0.0068
BGIBMGA013090	7.389	2.819	-1.390	0.0313
BGIBMGA007244	48.959	18.679	-1.390	0.0003
BGIBMGA008837	24.611	9.383	-1.391	0.0003
BGIBMGA011346	708.049	269.875	-1.392	0.0003
BGIBMGA008707	306.024	116.621	-1.392	0.0003
BGIBMGA007871	70.680	26.933	-1.392	0.0003
BGIBMGA014528	1.781	0.678	-1.392	0.0430
BGIBMGA009712	40.170	15.297	-1.393	0.0003
BGIBMGA013081	73.736	28.056	-1.394	0.0005
BGIBMGA000095	33.911	12.898	-1.395	0.0120
BGIBMGA000478	7.501	2.850	-1.396	0.0007
BGIBMGA000523	2819.210	1070.210	-1.397	0.0003
BGIBMGA014057	344.907	130.816	-1.399	0.0003
BGIBMGA014028	60.316	22.875	-1.399	0.0012
BGIBMGA003910	30.241	11.465	-1.399	0.0003
BGIBMGA012359	10.283	3.897	-1.400	0.0012
BGIBMGA004710	38.106	14.442	-1.400	0.0003
BGIBMGA001935	152.809	57.890	-1.400	0.0003
BGIBMGA006128	107.634	40.746	-1.401	0.0003
BGIBMGA009619	160.707	60.830	-1.402	0.0003
BGIBMGA014363	24.348	9.204	-1.403	0.0003
BGIBMGA005843	166.669	62.971	-1.404	0.0003
BGIBMGA003072	66.301	25.046	-1.404	0.0003
BGIBMGA010178	693.699	262.040	-1.405	0.0003
BGIBMGA007293	50.775	19.176	-1.405	0.0003
BGIBMGA004251	745.260	281.341	-1.405	0.0003
BGIBMGA008633	20.769	7.839	-1.406	0.0003
BGIBMGA004600	5.928	2.235	-1.407	0.0005
BGIBMGA003865	19.401	7.316	-1.407	0.0082
BGIBMGA002863	33.558	12.651	-1.407	0.0003
BGIBMGA011740	14.310	5.385	-1.410	0.0103
BGIBMGA000189	89.308	33.552	-1.412	0.0003
BGIBMGA004163	187.643	70.446	-1.413	0.0003
BGIBMGA003285	54.980	20.624	-1.415	0.0003
BGIBMGA007158	27.594	10.345	-1.415	0.0003
BGIBMGA004774	36.778	13.786	-1.416	0.0003
BGIBMGA004192	73.712	27.625	-1.416	0.0003
BGIBMGA011471	8.642	3.236	-1.417	0.0009
BGIBMGA004228	11.760	4.399	-1.419	0.0046
BGIBMGA005847	4.369	1.634	-1.419	0.0021
BGIBMGA005577	9856.000	3685.430	-1.419	0.0003
BGIBMGA006098	7.438	2.781	-1.419	0.0003
BGIBMGA007189	69.000	25.795	-1.419	0.0003

BGIBMGA010387	358.210	133.748	-1.421	0.0003
BGIBMGA013855	4.721	1.762	-1.422	0.0185
BGIBMGA008311	17.059	6.364	-1.423	0.0003
BGIBMGA005668	17.952	6.695	-1.423	0.0022
BGIBMGA000072	198.266	73.878	-1.424	0.0003
BGIBMGA007938	62.356	23.220	-1.425	0.0003
BGIBMGA006268	32.038	11.915	-1.427	0.0016
BGIBMGA000779	33.602	12.496	-1.427	0.0003
BGIBMGA002577	2.359	0.876	-1.429	0.0417
BGIBMGA003122	1.451	0.539	-1.429	0.0105
BGIBMGA009555	71.548	26.548	-1.430	0.0003
BGIBMGA008257	390.324	144.822	-1.430	0.0003
BGIBMGA002190	32.065	11.894	-1.431	0.0209
BGIBMGA002686	107.840	39.971	-1.432	0.0003
BGIBMGA013979	51.140	18.945	-1.433	0.0003
BGIBMGA012641	57.555	21.318	-1.433	0.0011
BGIBMGA012231	54.212	20.041	-1.436	0.0003
BGIBMGA005505	14.962	5.529	-1.436	0.0009
BGIBMGA014336	69.820	25.787	-1.437	0.0003
BGIBMGA002897	7.236	2.672	-1.437	0.0003
BGIBMGA007207	27.823	10.274	-1.437	0.0080
BGIBMGA009832	26.830	9.905	-1.438	0.0003
BGIBMGA014448	159.844	59.003	-1.438	0.0003
BGIBMGA013873	4.671	1.723	-1.439	0.0107
BGIBMGA013343	102.923	37.919	-1.441	0.0003
BGIBMGA008275	31.117	11.463	-1.441	0.0003
BGIBMGA014423	19.101	7.033	-1.442	0.0003
BGIBMGA013356	9.081	3.343	-1.442	0.0066
BGIBMGA009312	87.911	32.362	-1.442	0.0003
BGIBMGA004448	9.174	3.377	-1.442	0.0067
BGIBMGA008431	16.799	6.179	-1.443	0.0003
BGIBMGA007432	168.351	61.844	-1.445	0.0003
BGIBMGA010434	74.766	27.462	-1.445	0.0054
BGIBMGA012660	27.443	10.077	-1.445	0.0003
BGIBMGA012208	216.139	79.361	-1.445	0.0222
BGIBMGA002102	37.603	13.793	-1.447	0.0005
BGIBMGA011910	12.059	4.423	-1.447	0.0130
BGIBMGA006097	11.178	4.097	-1.448	0.0003
BGIBMGA011537	46.920	17.176	-1.450	0.0047
BGIBMGA004783	22.340	8.175	-1.450	0.0003
BGIBMGA012653	43.901	16.060	-1.451	0.0003
BGIBMGA012630	2.213	0.809	-1.451	0.0213
BGIBMGA013355	16.949	6.194	-1.452	0.0003
BGIBMGA009779	6.970	2.545	-1.454	0.0003
BGIBMGA009932	20.765	7.577	-1.454	0.0003
BGIBMGA008132	284.899	103.918	-1.455	0.0003
BGIBMGA005924	30.714	11.198	-1.456	0.0024
BGIBMGA002678	28.090	10.228	-1.458	0.0003
BGIBMGA005633	76.508	27.856	-1.458	0.0003
BGIBMGA008848	173.117	63.028	-1.458	0.0003
BGIBMGA009316	15.866	5.775	-1.458	0.0003
BGIBMGA012368	15.792	5.747	-1.458	0.0003
BGIBMGA011251	38.122	13.867	-1.459	0.0003
BGIBMGA001670	83.728	30.438	-1.460	0.0003
BGIBMGA006437	10.703	3.885	-1.462	0.0050
BGIBMGA008225	147.170	53.397	-1.463	0.0003
BGIBMGA009663	24.330	8.823	-1.463	0.0003
BGIBMGA011107	27.829	10.091	-1.464	0.0036
BGIBMGA014246	1.657	0.600	-1.465	0.0290
BGIBMGA011278	98.053	35.520	-1.465	0.0003
BGIBMGA009917	25.637	9.286	-1.465	0.0003
BGIBMGA002732	10.255	3.714	-1.465	0.0003
BGIBMGA000477	6.532	2.365	-1.466	0.0021
BGIBMGA006093	127.630	46.180	-1.467	0.0003
BGIBMGA012454	17.947	6.492	-1.467	0.0039
BGIBMGA013459	4.440	1.606	-1.467	0.0065
BGIBMGA001545	5.922	2.141	-1.468	0.0297
BGIBMGA006701	30.792	11.120	-1.469	0.0003
BGIBMGA002264	167.888	60.580	-1.471	0.0003
BGIBMGA008123	20.685	7.463	-1.471	0.0027
BGIBMGA012763	28.220	10.180	-1.471	0.0003
BGIBMGA012177	142.343	51.279	-1.473	0.0003
BGIBMGA001085	20.980	7.547	-1.475	0.0003
BGIBMGA003214	52.538	18.869	-1.477	0.0003
BGIBMGA009459	31.068	11.157	-1.477	0.0003
BGIBMGA012404	31.233	11.211	-1.478	0.0003
BGIBMGA007380	38.081	13.665	-1.479	0.0003
BGIBMGA001648	88.866	31.866	-1.480	0.0003
BGIBMGA002118	14.465	5.181	-1.481	0.0055
BGIBMGA000783	117.135	41.944	-1.482	0.0003
BGIBMGA011648	1.069	0.383	-1.482	0.0306
BGIBMGA008292	181.701	65.008	-1.483	0.0003

BGIBMGA004241	56.893	20.341	-1.484	0.0003
BGIBMGA014415	224.791	80.044	-1.490	0.0003
BGIBMGA013349	133.582	47.539	-1.491	0.0003
BGIBMGA009432	32.571	11.583	-1.492	0.0007
BGIBMGA012022	28.870	10.262	-1.492	0.0003
BGIBMGA012306	1.526	0.542	-1.494	0.0140
BGIBMGA001336	132.746	47.057	-1.496	0.0003
BGIBMGA001896	3.631	1.283	-1.501	0.0003
BGIBMGA003933	167.607	59.154	-1.503	0.0003
BGIBMGA010783	26.506	9.351	-1.503	0.0003
BGIBMGA006120	39.408	13.889	-1.505	0.0003
BGIBMGA009106	5.008	1.762	-1.507	0.0005
BGIBMGA001875	40.847	14.368	-1.507	0.0003
BGIBMGA009521	21.196	7.455	-1.508	0.0037
BGIBMGA014110	87.828	30.887	-1.508	0.0003
BGIBMGA002926	35.983	12.653	-1.508	0.0003
BGIBMGA013450	272.981	95.943	-1.509	0.0003
BGIBMGA012388	326.902	114.850	-1.509	0.0003
BGIBMGA013363	61.331	21.543	-1.509	0.0003
BGIBMGA014236	22.314	7.826	-1.512	0.0003
BGIBMGA006102	310.159	108.721	-1.512	0.0014
BGIBMGA005201	7.751	2.714	-1.514	0.0122
BGIBMGA013744	111.505	39.046	-1.514	0.0003
BGIBMGA005779	52.150	18.246	-1.515	0.0003
BGIBMGA009844	68.204	23.861	-1.515	0.0003
BGIBMGA013974	181.282	63.408	-1.516	0.0003
BGIBMGA001553	193.568	67.640	-1.517	0.0003
BGIBMGA003766	38.147	13.316	-1.518	0.0003
BGIBMGA006150	4.226	1.475	-1.519	0.0039
BGIBMGA002070	63.768	22.226	-1.521	0.0003
BGIBMGA002380	41.640	14.512	-1.521	0.0003
BGIBMGA003495	18.126	6.313	-1.522	0.0003
BGIBMGA002039	132.702	46.126	-1.525	0.0003
BGIBMGA009522	15.678	5.431	-1.530	0.0003
BGIBMGA004360	167.343	57.879	-1.532	0.0003
BGIBMGA009198	65.030	22.485	-1.532	0.0022
BGIBMGA012565	16.398	5.666	-1.533	0.0014
BGIBMGA013268	8.359	2.882	-1.536	0.0123
BGIBMGA003129	27.735	9.557	-1.537	0.0003
BGIBMGA012379	9.503	3.274	-1.537	0.0054
BGIBMGA011796	345.684	118.978	-1.539	0.0003
BGIBMGA005007	5.570	1.914	-1.541	0.0347
BGIBMGA001407	2.703	0.929	-1.541	0.0177
BGIBMGA007325	14.081	4.834	-1.543	0.0003
BGIBMGA014135	533.666	183.164	-1.543	0.0003
BGIBMGA001814	80.222	27.526	-1.543	0.0003
BGIBMGA013884	68.012	23.335	-1.543	0.0003
BGIBMGA003784	36.772	12.609	-1.544	0.0003
BGIBMGA009133	1005.420	344.593	-1.545	0.0003
BGIBMGA010897	136.191	46.608	-1.547	0.0003
BGIBMGA013320	6.760	2.312	-1.548	0.0223
BGIBMGA000816	12.145	4.148	-1.550	0.0003
BGIBMGA012610	63.217	21.580	-1.551	0.0003
BGIBMGA001488	16.676	5.687	-1.552	0.0003
BGIBMGA002476	27.449	9.354	-1.553	0.0003
BGIBMGA008127	4.098	1.396	-1.554	0.0290
BGIBMGA000843	8.609	2.930	-1.555	0.0011
BGIBMGA011373	18.947	6.444	-1.556	0.0003
BGIBMGA007249	16.893	5.744	-1.556	0.0007
BGIBMGA005908	78.266	26.562	-1.559	0.0003
BGIBMGA004032	4.999	1.696	-1.559	0.0424
BGIBMGA009923	91.782	31.136	-1.560	0.0003
BGIBMGA008408	289.957	98.339	-1.560	0.0003
BGIBMGA006729	78.644	26.659	-1.561	0.0003
BGIBMGA008779	125.353	42.474	-1.561	0.0003
BGIBMGA004731	17.200	5.827	-1.562	0.0077
BGIBMGA001930	26.395	8.937	-1.562	0.0005
BGIBMGA008241	38.603	13.052	-1.564	0.0003
BGIBMGA012688	26.816	9.066	-1.565	0.0003
BGIBMGA002877	82.986	28.053	-1.565	0.0003
BGIBMGA008007	188.231	63.577	-1.566	0.0003
BGIBMGA009697	15.955	5.389	-1.566	0.0003
BGIBMGA013396	32.376	10.917	-1.568	0.0003
BGIBMGA008070	9.244	3.117	-1.569	0.0027
BGIBMGA003489	18.876	6.359	-1.570	0.0027
BGIBMGA002611	212.873	71.662	-1.571	0.0003
BGIBMGA003916	45.525	15.315	-1.572	0.0003
BGIBMGA012638	12.396	4.169	-1.572	0.0003
BGIBMGA014156	25.314	8.504	-1.574	0.0003
BGIBMGA012827	8.294	2.786	-1.574	0.0014
BGIBMGA009471	28.851	9.688	-1.574	0.0003
BGIBMGA002017	6.471	2.171	-1.576	0.0109

BGIBMGA006869	23.051	7.732	-1.576	0.0003
BGIBMGA000062	230.097	77.175	-1.576	0.0003
BGIBMGA007986	109.188	36.616	-1.576	0.0003
BGIBMGA000604	12.563	4.213	-1.576	0.0011
BGIBMGA003290	40.015	13.387	-1.580	0.0003
BGIBMGA002060	9.072	3.024	-1.585	0.0129
BGIBMGA007975	37.929	12.640	-1.585	0.0003
BGIBMGA009362	55.926	18.625	-1.586	0.0003
BGIBMGA010039	13.879	4.615	-1.589	0.0087
BGIBMGA013248	5.472	1.819	-1.589	0.0339
BGIBMGA002581	8.182	2.719	-1.589	0.0003
BGIBMGA007287	316.921	105.090	-1.593	0.0003
BGIBMGA014459	81.191	26.907	-1.593	0.0003
BGIBMGA002159	3.815	1.263	-1.594	0.0086
BGIBMGA008039	2.054	0.680	-1.595	0.0225
BGIBMGA009575	38.175	12.618	-1.597	0.0003
BGIBMGA011637	53.517	17.678	-1.598	0.0145
BGIBMGA011315	56.799	18.750	-1.599	0.0031
BGIBMGA000060	10.748	3.545	-1.600	0.0003
BGIBMGA011102	31.865	10.503	-1.601	0.0003
BGIBMGA010875	14.838	4.884	-1.603	0.0003
BGIBMGA005720	252.866	83.226	-1.603	0.0003
BGIBMGA001641	30.583	10.064	-1.604	0.0003
BGIBMGA014168	20.638	6.789	-1.604	0.0003
BGIBMGA013771	22.009	7.238	-1.604	0.0003
BGIBMGA000798	105.550	34.706	-1.605	0.0003
BGIBMGA002066	4.746	1.560	-1.605	0.0005
BGIBMGA010813	62.665	20.597	-1.605	0.0003
BGIBMGA012639	19.790	6.497	-1.607	0.0003
BGIBMGA007537	10.653	3.496	-1.608	0.0007
BGIBMGA007273	17.419	5.714	-1.608	0.0003
BGIBMGA002296	33.564	10.986	-1.611	0.0003
BGIBMGA008122	38.116	12.476	-1.611	0.0003
BGIBMGA001298	17.068	5.583	-1.612	0.0104
BGIBMGA004974	143.989	47.071	-1.613	0.0003
BGIBMGA006707	1.774	0.579	-1.615	0.0208
BGIBMGA012753	472.740	154.323	-1.615	0.0003
BGIBMGA005529	20.478	6.684	-1.615	0.0003
BGIBMGA010778	125.613	40.983	-1.616	0.0003
BGIBMGA008896	323.053	105.274	-1.618	0.0003
BGIBMGA005548	65.389	21.304	-1.618	0.0003
BGIBMGA008051	59.337	19.324	-1.619	0.0003
BGIBMGA010330	29.413	9.576	-1.619	0.0003
BGIBMGA000797	27.824	9.058	-1.619	0.0009
BGIBMGA011261	183.791	59.810	-1.620	0.0003
BGIBMGA002230	59.437	19.329	-1.621	0.0003
BGIBMGA000152	24.737	8.039	-1.622	0.0003
BGIBMGA010389	31.849	10.339	-1.623	0.0003
BGIBMGA013065	101.837	33.010	-1.625	0.0003
BGIBMGA014378	7.322	2.372	-1.626	0.0034
BGIBMGA014077	3.929	1.271	-1.628	0.0421
BGIBMGA009701	17638.100	5699.720	-1.630	0.0003
BGIBMGA007787	396.131	127.929	-1.631	0.0003
BGIBMGA010025	51.921	16.763	-1.631	0.0007
BGIBMGA005749	15.323	4.945	-1.632	0.0447
BGIBMGA013614	15.973	5.154	-1.632	0.0003
BGIBMGA003968	13.082	4.221	-1.632	0.0005
BGIBMGA011136	37.301	12.034	-1.632	0.0003
BGIBMGA000498	16.702	5.384	-1.633	0.0003
BGIBMGA012232	49.027	15.793	-1.634	0.0003
BGIBMGA013353	49.006	15.783	-1.635	0.0003
BGIBMGA009177	11.666	3.752	-1.636	0.0011
BGIBMGA012498	17.108	5.496	-1.638	0.0012
BGIBMGA009552	47.472	15.245	-1.639	0.0005
BGIBMGA002867	5.544	1.780	-1.639	0.0236
BGIBMGA000566	6.049	1.942	-1.639	0.0204
BGIBMGA011176	12.025	3.858	-1.640	0.0024
BGIBMGA002265	24.786	7.951	-1.640	0.0012
BGIBMGA006171	121.998	39.040	-1.644	0.0003
BGIBMGA012838	168.205	53.818	-1.644	0.0003
BGIBMGA009824	97.526	31.139	-1.647	0.0003
BGIBMGA002126	4.693	1.497	-1.649	0.0293
BGIBMGA003289	23.533	7.488	-1.652	0.0003
BGIBMGA009592	692.371	220.303	-1.652	0.0003
BGIBMGA009170	106.410	33.837	-1.653	0.0003
BGIBMGA013254	8.100	2.574	-1.654	0.0034
BGIBMGA001350	22.708	7.202	-1.657	0.0003
BGIBMGA011360	36.825	11.667	-1.658	0.0003
BGIBMGA008617	2.092	0.663	-1.658	0.0161
BGIBMGA006101	22.930	7.259	-1.659	0.0003
BGIBMGA010022	49.140	15.538	-1.661	0.0007
BGIBMGA009357	11.968	3.781	-1.662	0.0003

BGIBMGA014393	1.297	0.410	-1.663	0.0355
BGIBMGA012606	34.757	10.979	-1.663	0.0003
BGIBMGA012096	150.477	47.519	-1.663	0.0003
BGIBMGA007117	9.277	2.925	-1.665	0.0003
BGIBMGA008693	7.148	2.250	-1.667	0.0097
BGIBMGA005773	248.270	78.117	-1.668	0.0003
BGIBMGA014449	1.405	0.441	-1.671	0.0136
BGIBMGA013842	54.580	17.138	-1.671	0.0003
BGIBMGA013079	33.472	10.495	-1.673	0.0003
BGIBMGA001772	115.316	36.147	-1.674	0.0003
BGIBMGA010918	2.573	0.805	-1.676	0.0423
BGIBMGA000181	38.924	12.170	-1.677	0.0003
BGIBMGA008259	355.521	111.139	-1.678	0.0003
BGIBMGA001121	53.653	16.767	-1.678	0.0003
BGIBMGA007148	45.434	14.192	-1.679	0.0003
BGIBMGA010362	17.541	5.478	-1.679	0.0003
BGIBMGA012105	47.320	14.778	-1.679	0.0025
BGIBMGA002187	39.675	12.371	-1.681	0.0003
BGIBMGA012255	77.932	24.289	-1.682	0.0003
BGIBMGA007969	81.302	25.326	-1.683	0.0003
BGIBMGA004740	292.468	91.034	-1.684	0.0003
BGIBMGA011405	20.073	6.242	-1.685	0.0003
BGIBMGA002774	3.780	1.174	-1.686	0.0353
BGIBMGA006839	172.632	53.587	-1.688	0.0003
BGIBMGA011153	22.591	7.001	-1.690	0.0003
BGIBMGA004407	44.044	13.607	-1.695	0.0003
BGIBMGA014478	45.552	14.058	-1.696	0.0003
BGIBMGA008803	507.410	156.381	-1.698	0.0003
BGIBMGA004755	63.933	19.666	-1.701	0.0003
BGIBMGA014574	1.947	0.599	-1.702	0.0169
BGIBMGA002722	33.227	10.207	-1.703	0.0003
BGIBMGA012795	79.114	24.301	-1.703	0.0003
BGIBMGA010451	6.491	1.993	-1.703	0.0003
BGIBMGA001098	80.789	24.779	-1.705	0.0003
BGIBMGA009409	343.539	105.279	-1.706	0.0003
BGIBMGA009655	426.005	130.335	-1.709	0.0003
BGIBMGA002090	29.833	9.118	-1.710	0.0003
BGIBMGA012700	133.941	40.928	-1.710	0.0118
BGIBMGA013359	1.456	0.444	-1.714	0.0253
BGIBMGA011343	80.763	24.592	-1.716	0.0003
BGIBMGA000902	186.681	56.828	-1.716	0.0003
BGIBMGA011608	27.266	8.295	-1.717	0.0003
BGIBMGA011353	55.678	16.920	-1.718	0.0003
BGIBMGA010297	319.360	97.035	-1.719	0.0003
BGIBMGA000002	70.847	21.524	-1.719	0.0003
BGIBMGA006801	3.733	1.132	-1.721	0.0007
BGIBMGA005775	48.121	14.585	-1.722	0.0003
BGIBMGA001078	16.492	4.991	-1.724	0.0050
BGIBMGA004553	35.605	10.769	-1.725	0.0003
BGIBMGA000200	23.347	7.055	-1.727	0.0003
BGIBMGA009493	87.426	26.378	-1.729	0.0003
BGIBMGA007394	46.539	14.040	-1.729	0.0003
BGIBMGA013250	256.194	77.273	-1.729	0.0003
BGIBMGA004409	30.912	9.317	-1.730	0.0011
BGIBMGA002760	304.248	91.453	-1.734	0.0003
BGIBMGA001600	9.791	2.936	-1.737	0.0003
BGIBMGA010121	27.333	8.183	-1.740	0.0003
BGIBMGA002547	77.788	23.289	-1.740	0.0003
BGIBMGA007121	740.841	221.456	-1.742	0.0003
BGIBMGA009267	57.164	17.072	-1.743	0.0003
BGIBMGA002840	69.498	20.745	-1.744	0.0003
BGIBMGA013732	6.664	1.980	-1.751	0.0012
BGIBMGA012158	26.505	7.872	-1.751	0.0003
BGIBMGA014065	226.011	67.060	-1.753	0.0003
BGIBMGA012176	24.386	7.235	-1.753	0.0003
BGIBMGA011935	7.261	2.154	-1.753	0.0102
BGIBMGA006691	25.966	7.677	-1.758	0.0003
BGIBMGA005667	53.632	15.854	-1.758	0.0003
BGIBMGA012629	62.639	18.495	-1.760	0.0003
BGIBMGA000245	10.275	3.033	-1.760	0.0067
BGIBMGA007562	38.587	11.375	-1.762	0.0274
BGIBMGA002069	73.065	21.514	-1.764	0.0003
BGIBMGA001692	35.878	10.539	-1.767	0.0003
BGIBMGA003950	30.578	8.963	-1.770	0.0003
BGIBMGA007510	51.473	15.087	-1.771	0.0003
BGIBMGA010272	93.573	27.368	-1.774	0.0003
BGIBMGA006327	76.531	22.371	-1.774	0.0003
BGIBMGA008661	91.372	26.653	-1.777	0.0003
BGIBMGA007420	158.512	46.217	-1.778	0.0003
BGIBMGA005856	410.547	119.682	-1.778	0.0003
BGIBMGA007499	6.674	1.945	-1.779	0.0168
BGIBMGA011331	21.994	6.409	-1.779	0.0003

BGIBMGA007218	2.269	0.660	-1.782	0.0087
BGIBMGA010847	54.592	15.839	-1.785	0.0003
BGIBMGA001726	84.505	24.498	-1.786	0.0003
BGIBMGA003215	175.726	50.885	-1.788	0.0003
BGIBMGA012402	36.915	10.678	-1.790	0.0003
BGIBMGA007595	55.602	16.082	-1.790	0.0003
BGIBMGA013748	22.024	6.364	-1.791	0.0003
BGIBMGA007358	249.343	72.020	-1.792	0.0003
BGIBMGA002531	75.514	21.801	-1.792	0.0003
BGIBMGA011344	1351.960	390.004	-1.793	0.0003
BGIBMGA010762	186.296	53.700	-1.795	0.0003
BGIBMGA011254	57.176	16.481	-1.795	0.0003
BGIBMGA004703	35.747	10.286	-1.797	0.0005
BGIBMGA004429	4.718	1.357	-1.798	0.0096
BGIBMGA012583	210.412	60.310	-1.803	0.0003
BGIBMGA008140	53.112	15.190	-1.806	0.0003
BGIBMGA007979	21.007	6.008	-1.806	0.0003
BGIBMGA014413	80.453	22.993	-1.807	0.0003
BGIBMGA010461	17.008	4.860	-1.807	0.0003
BGIBMGA012413	4.128	1.179	-1.808	0.0039
BGIBMGA005362	118.361	33.764	-1.810	0.0003
BGIBMGA005730	3.493	0.996	-1.810	0.0167
BGIBMGA010923	9.526	2.715	-1.811	0.0009
BGIBMGA012725	46.651	13.281	-1.813	0.0003
BGIBMGA003316	22.772	6.466	-1.816	0.0005
BGIBMGA013620	5.107	1.450	-1.817	0.0012
BGIBMGA007308	9.496	2.695	-1.817	0.0003
BGIBMGA002556	118.214	33.531	-1.818	0.0003
BGIBMGA007606	84.634	24.002	-1.818	0.0003
BGIBMGA011802	3.671	1.039	-1.820	0.0186
BGIBMGA001260	317.176	89.785	-1.821	0.0003
BGIBMGA013977	29.062	8.224	-1.821	0.0007
BGIBMGA010249	120.087	33.957	-1.822	0.0003
BGIBMGA010508	36.394	10.280	-1.824	0.0003
BGIBMGA004431	11.534	3.247	-1.829	0.0003
BGIBMGA012377	18.961	5.330	-1.831	0.0003
BGIBMGA000137	72.427	20.353	-1.831	0.0003
BGIBMGA002591	13.306	3.730	-1.835	0.0003
BGIBMGA011336	114.854	32.153	-1.837	0.0003
BGIBMGA005744	4.756	1.331	-1.838	0.0007
BGIBMGA010195	55.331	15.475	-1.838	0.0003
BGIBMGA003284	76.332	21.322	-1.840	0.0003
BGIBMGA000788	286.050	79.866	-1.841	0.0003
BGIBMGA014294	38.331	10.697	-1.841	0.0003
BGIBMGA006965	2.149	0.600	-1.842	0.0388
BGIBMGA005860	648.441	180.768	-1.843	0.0003
BGIBMGA007384	50.177	13.980	-1.844	0.0003
BGIBMGA001261	197.562	55.016	-1.844	0.0003
BGIBMGA001440	6.129	1.705	-1.846	0.0419
BGIBMGA008260	171.032	47.542	-1.847	0.0003
BGIBMGA005858	218.621	60.760	-1.847	0.0003
BGIBMGA003801	7.754	2.152	-1.849	0.0331
BGIBMGA009245	21.268	5.894	-1.851	0.0003
BGIBMGA012097	16.296	4.512	-1.853	0.0043
BGIBMGA013406	16.266	4.503	-1.853	0.0140
BGIBMGA009317	17.162	4.747	-1.854	0.0003
BGIBMGA004459	11.435	3.162	-1.855	0.0003
BGIBMGA009084	8.461	2.338	-1.855	0.0003
BGIBMGA002206	6.208	1.714	-1.857	0.0112
BGIBMGA001090	190.634	52.575	-1.858	0.0003
BGIBMGA007141	22.774	6.279	-1.859	0.0003
BGIBMGA001768	300.960	82.557	-1.866	0.0003
BGIBMGA002731	30.316	8.306	-1.868	0.0003
BGIBMGA010352	285.213	78.107	-1.869	0.0003
BGIBMGA012228	1.429	0.391	-1.870	0.0030
BGIBMGA007498	6.834	1.868	-1.871	0.0201
BGIBMGA004025	2.100	0.574	-1.873	0.0350
BGIBMGA010694	9.184	2.502	-1.876	0.0207
BGIBMGA009385	223.214	60.797	-1.876	0.0003
BGIBMGA002843	15.787	4.295	-1.878	0.0003
BGIBMGA005776	162.845	44.270	-1.879	0.0106
BGIBMGA002049	13.425	3.648	-1.880	0.0153
BGIBMGA002183	22.924	6.228	-1.880	0.0003
BGIBMGA008155	36.042	9.792	-1.880	0.0003
BGIBMGA004050	3.370	0.914	-1.883	0.0388
BGIBMGA005686	57.705	15.618	-1.885	0.0003
BGIBMGA003786	110.044	29.679	-1.891	0.0003
BGIBMGA006070	1.890	0.509	-1.892	0.0374
BGIBMGA002156	5.578	1.497	-1.898	0.0022
BGIBMGA013659	40.885	10.966	-1.898	0.0003
BGIBMGA000151	38.843	10.405	-1.900	0.0003
BGIBMGA007970	144.399	38.667	-1.901	0.0003

BGIBMGA005824	6.910	1.850	-1.901	0.0003
BGIBMGA008680	14.621	3.903	-1.905	0.0003
BGIBMGA011326	8.299	2.210	-1.909	0.0003
BGIBMGA004350	155.611	41.333	-1.913	0.0003
BGIBMGA006293	27.910	7.404	-1.915	0.0338
BGIBMGA004709	24.774	6.568	-1.915	0.0003
BGIBMGA000353	1.435	0.380	-1.915	0.0366
BGIBMGA003882	172.444	45.688	-1.916	0.0003
BGIBMGA009134	188.210	49.862	-1.916	0.0003
BGIBMGA001207	112.548	29.793	-1.918	0.0238
BGIBMGA002832	67.189	17.772	-1.919	0.0003
BGIBMGA000492	27.977	7.390	-1.921	0.0012
BGIBMGA006156	532.186	140.407	-1.922	0.0003
BGIBMGA001074	41.018	10.816	-1.923	0.0003
BGIBMGA013483	12.494	3.293	-1.924	0.0021
BGIBMGA004178	41.095	10.802	-1.928	0.0003
BGIBMGA009101	753.641	198.043	-1.928	0.0003
BGIBMGA011738	16.915	4.443	-1.929	0.0003
BGIBMGA008557	17.177	4.488	-1.936	0.0003
BGIBMGA014277	77.646	20.261	-1.938	0.0003
BGIBMGA001424	106.756	27.796	-1.941	0.0003
BGIBMGA009831	87.643	22.815	-1.942	0.0003
BGIBMGA008825	91.963	23.906	-1.944	0.0003
BGIBMGA013978	10.575	2.747	-1.945	0.0003
BGIBMGA013001	1.217	0.316	-1.945	0.0083
BGIBMGA003774	24.814	6.440	-1.946	0.0003
BGIBMGA013677	327.176	84.857	-1.947	0.0003
BGIBMGA013204	53.527	13.878	-1.947	0.0003
BGIBMGA012170	24.444	6.333	-1.949	0.0003
BGIBMGA003797	12.905	3.342	-1.949	0.0034
BGIBMGA014312	19.984	5.166	-1.952	0.0003
BGIBMGA009139	289.004	74.517	-1.955	0.0003
BGIBMGA008616	3.578	0.922	-1.956	0.0003
BGIBMGA002856	64.944	16.726	-1.957	0.0003
BGIBMGA000850	78.907	20.280	-1.960	0.0003
BGIBMGA003937	165.393	42.348	-1.966	0.0003
BGIBMGA000885	406.695	103.967	-1.968	0.0003
BGIBMGA012898	399.511	101.841	-1.972	0.0003
BGIBMGA012649	1.340	0.341	-1.974	0.0210
BGIBMGA012839	120.448	30.659	-1.974	0.0033
BGIBMGA004634	4.662	1.184	-1.977	0.0003
BGIBMGA002845	32.276	8.197	-1.977	0.0003
BGIBMGA001266	349.625	88.692	-1.979	0.0003
BGIBMGA005527	34.105	8.648	-1.979	0.0003
BGIBMGA004700	89.717	22.711	-1.982	0.0065
BGIBMGA011340	21.107	5.340	-1.983	0.0003
BGIBMGA009279	13.313	3.354	-1.989	0.0003
BGIBMGA009466	64.585	16.259	-1.990	0.0003
BGIBMGA011393	7.014	1.765	-1.990	0.0220
BGIBMGA001973	16.447	4.132	-1.993	0.0066
BGIBMGA002781	36.066	9.053	-1.994	0.0003
BGIBMGA010795	33.481	8.331	-2.007	0.0003
BGIBMGA000193	132.911	33.063	-2.007	0.0003
BGIBMGA006624	4.946	1.228	-2.010	0.0003
BGIBMGA003849	2.739	0.678	-2.014	0.0160
BGIBMGA001372	74.573	18.464	-2.014	0.0003
BGIBMGA002064	5.342	1.319	-2.018	0.0003
BGIBMGA013185	115.390	28.464	-2.019	0.0003
BGIBMGA014476	276.818	68.194	-2.021	0.0003
BGIBMGA010859	27.234	6.691	-2.025	0.0012
BGIBMGA013218	54.844	13.469	-2.026	0.0003
BGIBMGA000194	5.973	1.465	-2.028	0.0027
BGIBMGA012726	123.030	30.161	-2.028	0.0041
BGIBMGA010777	195.681	47.932	-2.029	0.0003
BGIBMGA014357	9.458	2.315	-2.030	0.0030
BGIBMGA004187	33.396	8.173	-2.031	0.0003
BGIBMGA010816	34.321	8.399	-2.031	0.0003
BGIBMGA011826	25.882	6.322	-2.033	0.0003
BGIBMGA009384	132.266	32.162	-2.040	0.0003
BGIBMGA013601	28.166	6.839	-2.042	0.0003
BGIBMGA008553	2.670	0.648	-2.043	0.0021
BGIBMGA010100	22.263	5.395	-2.045	0.0003
BGIBMGA007511	78.249	18.946	-2.046	0.0003
BGIBMGA008430	19.312	4.673	-2.047	0.0003
BGIBMGA000678	3.037	0.735	-2.047	0.0034
BGIBMGA002920	73.655	17.757	-2.052	0.0003
BGIBMGA005576	1279.480	308.416	-2.053	0.0003
BGIBMGA002925	73.280	17.650	-2.054	0.0003
BGIBMGA005366	13.517	3.250	-2.056	0.0161
BGIBMGA010273	129.461	31.065	-2.059	0.0003
BGIBMGA005962	66.701	15.876	-2.071	0.0003
BGIBMGA004351	16.557	3.936	-2.073	0.0019



BGIBMGA002612	23.696	5.625	-2.075	0.0003
BGIBMGA013973	76.951	18.259	-2.075	0.0003
BGIBMGA003918	3.058	0.725	-2.076	0.0005
BGIBMGA003926	283.908	67.292	-2.077	0.0003
BGIBMGA013251	283.223	67.123	-2.077	0.0003
BGIBMGA009573	51.995	12.321	-2.077	0.0003
BGIBMGA012735	13.209	3.125	-2.080	0.0003
BGIBMGA004519	1.746	0.411	-2.087	0.0448
BGIBMGA000906	122.791	28.898	-2.087	0.0003
BGIBMGA008154	72.928	17.162	-2.087	0.0003
BGIBMGA014206	9.315	2.176	-2.098	0.0055
BGIBMGA001295	11.049	2.579	-2.099	0.0060
BGIBMGA012676	7.938	1.852	-2.100	0.0208
BGIBMGA013733	38.468	8.966	-2.101	0.0003
BGIBMGA011997	25.462	5.896	-2.110	0.0003
BGIBMGA012590	68.279	15.792	-2.112	0.0003
BGIBMGA007600	148.396	34.294	-2.113	0.0003
BGIBMGA009231	4.520	1.043	-2.115	0.0158
BGIBMGA004324	17.279	3.987	-2.116	0.0024
BGIBMGA009266	23.539	5.430	-2.116	0.0168
BGIBMGA008256	260.185	59.990	-2.117	0.0003
BGIBMGA007607	33.590	7.732	-2.119	0.0003
BGIBMGA013730	49.118	11.291	-2.121	0.0003
BGIBMGA008943	9.743	2.237	-2.123	0.0014
BGIBMGA013810	32.848	7.497	-2.131	0.0003
BGIBMGA014254	6.357	1.450	-2.132	0.0059
BGIBMGA000761	48.753	11.104	-2.134	0.0003
BGIBMGA006954	209.764	47.737	-2.136	0.0003
BGIBMGA010502	4.070	0.926	-2.136	0.0133
BGIBMGA010978	6.375	1.449	-2.137	0.0003
BGIBMGA009349	2.316	0.524	-2.142	0.0383
BGIBMGA009043	4.123	0.934	-2.143	0.0027
BGIBMGA007216	149.593	33.852	-2.144	0.0003
BGIBMGA002723	82.889	18.712	-2.147	0.0003
BGIBMGA010251	3.289	0.739	-2.154	0.0171
BGIBMGA001451	33.658	7.558	-2.155	0.0434
BGIBMGA009825	77.934	17.484	-2.156	0.0003
BGIBMGA001962	3.871	0.867	-2.158	0.0003
BGIBMGA007135	88.125	19.729	-2.159	0.0003
BGIBMGA008637	61.799	13.765	-2.167	0.0003
BGIBMGA014231	8.004	1.782	-2.167	0.0003
BGIBMGA013596	606.635	134.959	-2.168	0.0003
BGIBMGA006686	80.714	17.940	-2.170	0.0003
BGIBMGA010315	15.092	3.353	-2.170	0.0011
BGIBMGA009492	106.191	23.542	-2.173	0.0003
BGIBMGA013824	25.205	5.583	-2.174	0.0003
BGIBMGA009972	49.924	11.033	-2.178	0.0003
BGIBMGA002828	36.174	7.975	-2.181	0.0003
BGIBMGA005771	85.347	18.755	-2.186	0.0003
BGIBMGA004895	13.333	2.927	-2.187	0.0017
BGIBMGA005549	72.988	15.999	-2.190	0.0003
BGIBMGA009693	4.566	0.995	-2.198	0.0003
BGIBMGA014232	8.340	1.810	-2.204	0.0003
BGIBMGA003257	1.693	0.367	-2.205	0.0130
BGIBMGA002045	9.949	2.158	-2.205	0.0003
BGIBMGA007605	129.501	28.045	-2.207	0.0003
BGIBMGA003755	167.227	36.169	-2.209	0.0003
BGIBMGA003998	99.509	21.505	-2.210	0.0003
BGIBMGA008159	102.369	22.075	-2.213	0.0003
BGIBMGA013940	23.400	5.000	-2.227	0.0003
BGIBMGA007335	1.726	0.368	-2.229	0.0291
BGIBMGA004424	2.988	0.637	-2.229	0.0357
BGIBMGA010639	1.510	0.322	-2.231	0.0208
BGIBMGA009620	170.599	36.238	-2.235	0.0003
BGIBMGA002410	201.411	42.640	-2.240	0.0003
BGIBMGA005854	170.525	36.047	-2.242	0.0003
BGIBMGA002528	38.871	8.095	-2.264	0.0003
BGIBMGA006961	16.456	3.418	-2.267	0.0003
BGIBMGA002844	18.324	3.804	-2.268	0.0003
BGIBMGA001376	14.668	3.044	-2.269	0.0227
BGIBMGA013067	574.956	118.961	-2.273	0.0012
BGIBMGA004890	83.678	17.242	-2.279	0.0003
BGIBMGA007868	738.788	152.160	-2.280	0.0003
BGIBMGA001274	18.224	3.748	-2.282	0.0003
BGIBMGA014233	121.076	24.875	-2.283	0.0003
BGIBMGA009441	3.092	0.635	-2.284	0.0003
BGIBMGA001718	3.005	0.616	-2.286	0.0335
BGIBMGA005794	291.685	59.796	-2.286	0.0003
BGIBMGA013821	1.213	0.248	-2.290	0.0150
BGIBMGA001331	198.271	40.132	-2.305	0.0003
BGIBMGA006695	104.099	21.053	-2.306	0.0120
BGIBMGA002746	257.314	51.966	-2.308	0.0003

BGIBMGA010038	123.130	24.862	-2.308	0.0003
BGIBMGA006111	7.719	1.558	-2.309	0.0007
BGIBMGA005178	137.341	27.633	-2.313	0.0003
BGIBMGA012749	16.193	3.249	-2.318	0.0003
BGIBMGA003287	18.929	3.777	-2.325	0.0003
BGIBMGA010067	155.108	30.770	-2.334	0.0003
BGIBMGA004146	580.436	114.984	-2.336	0.0003
BGIBMGA012422	22.839	4.520	-2.337	0.0003
BGIBMGA011745	147.060	29.002	-2.342	0.0003
BGIBMGA010787	54.474	10.658	-2.354	0.0003
BGIBMGA005371	2.975	0.582	-2.354	0.0285
BGIBMGA000762	48.133	9.400	-2.356	0.0005
BGIBMGA013374	3.150	0.615	-2.357	0.0003
BGIBMGA013997	38.055	7.419	-2.359	0.0003
BGIBMGA012084	15.165	2.952	-2.361	0.0090
BGIBMGA010158	64.976	12.581	-2.369	0.0003
BGIBMGA001969	1.551	0.299	-2.373	0.0017
BGIBMGA011551	54.970	10.575	-2.378	0.0003
BGIBMGA001589	95.309	18.316	-2.380	0.0003
BGIBMGA003286	60.981	11.694	-2.383	0.0003
BGIBMGA004754	89.233	17.097	-2.384	0.0003
BGIBMGA011504	378.281	72.429	-2.385	0.0003
BGIBMGA009621	37.007	7.048	-2.393	0.0003
BGIBMGA001079	128.575	24.426	-2.396	0.0003
BGIBMGA007336	2.012	0.380	-2.404	0.0121
BGIBMGA010256	4.889	0.916	-2.416	0.0003
BGIBMGA013245	160.111	29.969	-2.418	0.0003
BGIBMGA012712	33.151	6.199	-2.419	0.0003
BGIBMGA011565	8.424	1.570	-2.423	0.0003
BGIBMGA005084	2.222	0.413	-2.426	0.0286
BGIBMGA006284	57.848	10.738	-2.430	0.0003
BGIBMGA013168	30.454	5.653	-2.430	0.0003
BGIBMGA009472	136.149	25.102	-2.439	0.0003
BGIBMGA002028	6.078	1.118	-2.443	0.0041
BGIBMGA004878	12.332	2.266	-2.444	0.0003
BGIBMGA013734	13.405	2.462	-2.445	0.0012
BGIBMGA009172	68.824	12.613	-2.448	0.0003
BGIBMGA006013	163.742	29.884	-2.454	0.0003
BGIBMGA000249	2.427	0.442	-2.456	0.0279
BGIBMGA000725	2.175	0.394	-2.463	0.0003
BGIBMGA012721	33.801	6.128	-2.464	0.0003
BGIBMGA001753	1.486	0.269	-2.467	0.0121
BGIBMGA013186	168.179	30.408	-2.467	0.0003
BGIBMGA000405	4.179	0.753	-2.473	0.0368
BGIBMGA005141	13.530	2.438	-2.473	0.0083
BGIBMGA009899	16.739	2.995	-2.483	0.0003
BGIBMGA004887	5.849	1.046	-2.484	0.0003
BGIBMGA013000	2.051	0.365	-2.489	0.0028
BGIBMGA003060	57.085	10.078	-2.502	0.0003
BGIBMGA014084	31.652	5.580	-2.504	0.0003
BGIBMGA007599	99.073	17.156	-2.530	0.0003
BGIBMGA007610	104.963	18.142	-2.532	0.0003
BGIBMGA010466	1.730	0.297	-2.541	0.0017
BGIBMGA009308	305.884	52.404	-2.545	0.0003
BGIBMGA008811	37.091	6.291	-2.560	0.0003
BGIBMGA014234	41.465	6.924	-2.582	0.0003
BGIBMGA001140	10.436	1.731	-2.592	0.0003
BGIBMGA002124	20.096	3.328	-2.594	0.0066
BGIBMGA008235	11.689	1.925	-2.603	0.0057
BGIBMGA007926	29.730	4.833	-2.621	0.0144
BGIBMGA000792	66.766	10.721	-2.639	0.0003
BGIBMGA006383	1.243	0.199	-2.640	0.0058
BGIBMGA012605	27.837	4.442	-2.648	0.0003
BGIBMGA012601	7.193	1.136	-2.662	0.0014
BGIBMGA007154	10.210	1.612	-2.663	0.0003
BGIBMGA014493	41.103	6.464	-2.669	0.0003
BGIBMGA011124	28.180	4.423	-2.671	0.0003
BGIBMGA000241	20.437	3.179	-2.685	0.0003
BGIBMGA003824	96.127	14.924	-2.687	0.0016
BGIBMGA012628	486.562	74.747	-2.703	0.0003
BGIBMGA001588	216.084	32.870	-2.717	0.0003
BGIBMGA012758	29.123	4.424	-2.719	0.0003
BGIBMGA013671	30.940	4.683	-2.724	0.0003
BGIBMGA003173	7.082	1.069	-2.728	0.0403
BGIBMGA013068	30.871	4.636	-2.735	0.0003
BGIBMGA014255	15.498	2.325	-2.737	0.0003
BGIBMGA013941	27.099	4.058	-2.739	0.0218
BGIBMGA011285	7.751	1.156	-2.745	0.0003
BGIBMGA000211	23.485	3.463	-2.762	0.0050
BGIBMGA007142	6.514	0.952	-2.774	0.0070
BGIBMGA007373	77.448	11.283	-2.779	0.0003
BGIBMGA007046	17.803	2.571	-2.791	0.0003

BGIBMGA001980	38.032	5.431	-2.808	0.0003
BGIBMGA001565	6.449	0.921	-2.808	0.0178
BGIBMGA003707	63.238	8.988	-2.815	0.0167
BGIBMGA008160	1.532	0.215	-2.832	0.0103
BGIBMGA008181	6.218	0.870	-2.838	0.0003
BGIBMGA009390	1.356	0.190	-2.839	0.0167
BGIBMGA013827	25.395	3.522	-2.850	0.0003
BGIBMGA003802	11.955	1.653	-2.854	0.0003
BGIBMGA001977	76.215	10.503	-2.859	0.0003
BGIBMGA006494	77.773	10.552	-2.882	0.0098
BGIBMGA013874	23.906	3.239	-2.884	0.0003
BGIBMGA005286	44.664	6.042	-2.886	0.0003
BGIBMGA007609	48.135	6.483	-2.892	0.0003
BGIBMGA011265	63.277	8.477	-2.900	0.0003
BGIBMGA009330	66.391	8.886	-2.901	0.0025
BGIBMGA002077	60.750	8.129	-2.902	0.0003
BGIBMGA004514	34.803	4.648	-2.904	0.0003
BGIBMGA004861	3.440	0.456	-2.915	0.0046
BGIBMGA012104	74.649	9.852	-2.922	0.0003
BGIBMGA002886	371.118	48.409	-2.939	0.0003
BGIBMGA003935	3.332	0.434	-2.942	0.0009
BGIBMGA004169	8.683	1.126	-2.947	0.0046
BGIBMGA008047	240.634	30.958	-2.958	0.0115
BGIBMGA012548	62.167	7.897	-2.977	0.0003
BGIBMGA008942	25.737	3.263	-2.979	0.0003
BGIBMGA012431	2.546	0.323	-2.980	0.0191
BGIBMGA007313	78.246	9.825	-2.994	0.0003
BGIBMGA013789	10.794	1.335	-3.015	0.0003
BGIBMGA014467	28.413	3.497	-3.023	0.0139
BGIBMGA010291	7.423	0.909	-3.029	0.0003
BGIBMGA002530	311.401	38.074	-3.032	0.0280
BGIBMGA011868	4.007	0.490	-3.032	0.0103
BGIBMGA007337	5.137	0.625	-3.040	0.0264
BGIBMGA014256	5.330	0.646	-3.045	0.0003
BGIBMGA013009	1.421	0.172	-3.047	0.0067
BGIBMGA014430	1.444	0.173	-3.065	0.0139
BGIBMGA000285	5.195	0.620	-3.066	0.0005
BGIBMGA003372	2.315	0.274	-3.080	0.0033
BGIBMGA002153	9.719	1.149	-3.081	0.0031
BGIBMGA005153	265.528	30.951	-3.101	0.0003
BGIBMGA003835	5.700	0.652	-3.129	0.0003
BGIBMGA000242	32.812	3.596	-3.190	0.0003
BGIBMGA002201	6.898	0.748	-3.205	0.0101
BGIBMGA003870	18.455	1.991	-3.212	0.0003
BGIBMGA007180	5.038	0.543	-3.213	0.0103
BGIBMGA001816	6.748	0.727	-3.214	0.0057
BGIBMGA013807	23.249	2.381	-3.287	0.0003
BGIBMGA005187	2.431	0.246	-3.303	0.0403
BGIBMGA006067	4.866	0.488	-3.317	0.0003
BGIBMGA004906	1.587	0.159	-3.318	0.0024
BGIBMGA009306	38.073	3.772	-3.336	0.0003
BGIBMGA002341	3.084	0.304	-3.342	0.0257
BGIBMGA014541	42.590	4.156	-3.357	0.0003
BGIBMGA014253	15.937	1.525	-3.385	0.0012
BGIBMGA005661	23.166	2.141	-3.436	0.0212
BGIBMGA002529	12.662	1.169	-3.437	0.0070
BGIBMGA013961	5.108	0.470	-3.442	0.0003
BGIBMGA010915	9.639	0.884	-3.446	0.0093
BGIBMGA000240	27.026	2.475	-3.449	0.0209
BGIBMGA005573	74.352	6.700	-3.472	0.0003
BGIBMGA003888	7.970	0.712	-3.485	0.0019
BGIBMGA002751	1.691	0.151	-3.488	0.0039
BGIBMGA009757	85.872	7.494	-3.518	0.0003
BGIBMGA009029	17.555	1.476	-3.573	0.0005
BGIBMGA013839	7.599	0.629	-3.594	0.0081
BGIBMGA004404	19.288	1.520	-3.666	0.0003
BGIBMGA013370	8.072	0.622	-3.698	0.0087
BGIBMGA011820	4.948	0.380	-3.703	0.0269
BGIBMGA001149	3.129	0.233	-3.749	0.0030
BGIBMGA009754	6.983	0.508	-3.780	0.0011
BGIBMGA011191	1.485	0.107	-3.796	0.0079
BGIBMGA008800	12.074	0.865	-3.803	0.0003
BGIBMGA003927	12.162	0.853	-3.834	0.0003
BGIBMGA010026	149.358	9.938	-3.910	0.0003
BGIBMGA009617	244.904	16.177	-3.920	0.0003
BGIBMGA008197	4.105	0.252	-4.024	0.0220
BGIBMGA014056	1672.510	92.842	-4.171	0.0003
BGIBMGA001317	5.502	0.301	-4.194	0.0215
BGIBMGA007033	17.581	0.943	-4.220	0.0079
BGIBMGA011460	56.912	2.947	-4.271	0.0003
BGIBMGA014195	141.978	7.344	-4.273	0.0079
BGIBMGA002954	17.009	0.806	-4.399	0.0096

BGIBMGA013113	128.509	6.068	-4.404	0.0003
BGIBMGA010699	200.022	9.439	-4.405	0.0003
BGIBMGA014051	98.129	4.627	-4.406	0.0003
BGIBMGA003848	49.981	2.319	-4.430	0.0003
BGIBMGA013788	2.137	0.097	-4.464	0.0214
BGIBMGA011006	15.585	0.646	-4.592	0.0017
BGIBMGA003527	85.655	3.329	-4.685	0.0003
BGIBMGA013167	12.591	0.435	-4.855	0.0039
BGIBMGA002175	23.149	0.790	-4.874	0.0016
BGIBMGA002960	3.247	0.110	-4.880	0.0024
BGIBMGA013878	18.326	0.587	-4.964	0.0046
BGIBMGA000776	3.672	0.107	-5.099	0.0383
BGIBMGA009193	25.657	0.667	-5.265	0.0003
BGIBMGA014550	51.954	1.291	-5.331	0.0003
BGIBMGA006982	8.921	0.219	-5.349	0.0014
BGIBMGA008571	4.380	0.097	-5.494	0.0024
BGIBMGA008715	200.586	2.971	-6.077	0.0003
BGIBMGA005048	3.877	0.047	-6.359	0.0003
BGIBMGA001388	243.294	2.825	-6.428	0.0143
BGIBMGA008089	10.214	0.000	-∞	0.0330
BGIBMGA008566	3.268	0.000	-∞	0.0330
BGIBMGA005020	12.267	0.000	-∞	0.0320
BGIBMGA008055	1304.460	0.000	-∞	0.0273
BGIBMGA002072	17.440	0.000	-∞	0.0262
BGIBMGA005743	9.041	0.000	-∞	0.0262
BGIBMGA011830	1.444	0.000	-∞	0.0262
BGIBMGA003193	1527.450	0.000	-∞	0.0196
BGIBMGA001311	5.381	0.000	-∞	0.0195
BGIBMGA008623	31.438	0.000	-∞	0.0160
BGIBMGA010347	3.549	0.000	-∞	0.0140
BGIBMGA009391	86.984	0.000	-∞	0.0137
BGIBMGA009509	4.383	0.000	-∞	0.0111
BGIBMGA011959	5.323	0.000	-∞	0.0105
BGIBMGA009508	2.699	0.000	-∞	0.0087
BGIBMGA001199	1.231	0.000	-∞	0.0085
BGIBMGA007820	2.115	0.000	-∞	0.0076
BGIBMGA006096	3.837	0.000	-∞	0.0066
BGIBMGA007960	43.332	0.000	-∞	0.0059
BGIBMGA014180	11.572	0.000	-∞	0.0055
BGIBMGA008685	6.138	0.000	-∞	0.0039
BGIBMGA008628	2.038	0.000	-∞	0.0031
BGIBMGA005225	14.443	0.000	-∞	0.0030
BGIBMGA006251	37.554	0.000	-∞	0.0028
BGIBMGA007165	1.355	0.000	-∞	0.0017
BGIBMGA011670	28.032	0.000	-∞	0.0017
BGIBMGA014275	1.996	0.000	-∞	0.0017
BGIBMGA004730	16.935	0.000	-∞	0.0016
BGIBMGA003981	3.578	0.000	-∞	0.0014
BGIBMGA004462	2.383	0.000	-∞	0.0014
BGIBMGA006309	1.318	0.000	-∞	0.0009
BGIBMGA006688	6.293	0.000	-∞	0.0009
BGIBMGA007619	5.149	0.000	-∞	0.0009
BGIBMGA007008	15.641	0.000	-∞	0.0007
BGIBMGA000172	4.287	0.000	-∞	0.0003
BGIBMGA000700	3.042	0.000	-∞	0.0003
BGIBMGA001357	6.125	0.000	-∞	0.0003
BGIBMGA001532	2.905	0.000	-∞	0.0003
BGIBMGA001647	4701.720	0.000	-∞	0.0003
BGIBMGA001889	3.424	0.000	-∞	0.0003
BGIBMGA002549	12.757	0.000	-∞	0.0003
BGIBMGA003790	313.952	0.000	-∞	0.0003
BGIBMGA004211	11.573	0.000	-∞	0.0003
BGIBMGA004259	2.992	0.000	-∞	0.0003
BGIBMGA004395	3.997	0.000	-∞	0.0003
BGIBMGA004399	21.014	0.000	-∞	0.0003
BGIBMGA004403	1.095	0.000	-∞	0.0003
BGIBMGA005919	17.445	0.000	-∞	0.0003
BGIBMGA006137	6.811	0.000	-∞	0.0003
BGIBMGA006256	10.565	0.000	-∞	0.0003
BGIBMGA006715	3.127	0.000	-∞	0.0003
BGIBMGA006803	7.456	0.000	-∞	0.0003
BGIBMGA006974	2.103	0.000	-∞	0.0003
BGIBMGA007232	80.829	0.000	-∞	0.0003
BGIBMGA008446	163.679	0.000	-∞	0.0003
BGIBMGA009060	517.087	0.000	-∞	0.0003
BGIBMGA009294	15.263	0.000	-∞	0.0003
BGIBMGA010190	14.820	0.000	-∞	0.0003
BGIBMGA010692	22.584	0.000	-∞	0.0003
BGIBMGA011519	185.841	0.000	-∞	0.0003
BGIBMGA011763	57.275	0.000	-∞	0.0003
BGIBMGA011838	171.756	0.000	-∞	0.0003
BGIBMGA012287	4.664	0.000	-∞	0.0003

BGIBMGA012751	4.659	0.000	-∞	0.0003
BGIBMGA012987	6.742	0.000	-∞	0.0003
BGIBMGA013064	5.058	0.000	-∞	0.0003
BGIBMGA013436	17.705	0.000	-∞	0.0003
BGIBMGA013437	1.080	0.000	-∞	0.0003
BGIBMGA013832	3.569	0.000	-∞	0.0003
BGIBMGA013976	14.881	0.000	-∞	0.0003
BGIBMGA014279	8.330	0.000	-∞	0.0003
BGIBMGA014297	233.947	0.000	-∞	0.0003
BGIBMGA014321	11.558	0.000	-∞	0.0003
BGIBMGA014373	3.878	0.000	-∞	0.0003
BGIBMGA014447	263.267	0.000	-∞	0.0003
BGIBMGA014490	6.272	0.000	-∞	0.0003
BGIBMGA014520	1.896	0.000	-∞	0.0003

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