

Supplementary table S3. Information of the differentially expressed genes in epidermis of the wild type (WT) and the mutant (MU).

GeneID	FPKM_WT	FPKM_MU	$\log_2^{(FPKM_MU/FPKM_WT)}$	Corrected <i>P</i> -value
Up regulated in MU				
BGIBMGA003915	26.277	54.443	1.051	0.0489
BGIBMGA012794	39.500	82.155	1.056	0.0394
BGIBMGA001739	23.528	48.969	1.057	0.0437
BGIBMGA007817	30.375	63.597	1.066	0.0398
BGIBMGA005270	24.219	50.953	1.073	0.0499
BGIBMGA007318	38.726	81.804	1.079	0.0420
BGIBMGA005333	9.155	19.549	1.094	0.0464
BGIBMGA013251	75.180	160.565	1.095	0.0470
BGIBMGA011198	7.965	17.092	1.102	0.0482
BGIBMGA006857	14.779	31.720	1.102	0.0344
BGIBMGA008063	5.834	12.532	1.103	0.0455
BGIBMGA006692	16.316	35.073	1.104	0.0359
BGIBMGA009879	314.920	678.503	1.107	0.0398
BGIBMGA007072	12.272	26.463	1.109	0.0376
BGIBMGA005338	5.517	11.921	1.112	0.0433
BGIBMGA006185	11.842	25.651	1.115	0.0448
BGIBMGA012399	102.658	222.601	1.117	0.0373
BGIBMGA003089	6.073	13.196	1.120	0.0317
BGIBMGA012790	5.890	12.826	1.123	0.0391
BGIBMGA014064	159.099	346.489	1.123	0.0453
BGIBMGA011346	37.845	82.536	1.125	0.0388
BGIBMGA001141	30.842	67.300	1.126	0.0315
BGIBMGA013400	3.915	8.549	1.127	0.0437
BGIBMGA013562	41.851	91.491	1.128	0.0303
BGIBMGA011341	11.001	24.090	1.131	0.0480
BGIBMGA002927	13.884	30.428	1.132	0.0279
BGIBMGA001644	5.437	11.921	1.133	0.0428
BGIBMGA005733	17.628	38.786	1.138	0.0383
BGIBMGA002288	44.533	98.062	1.139	0.0416
BGIBMGA012466	11.804	26.038	1.141	0.0289
BGIBMGA013600	3.585	7.948	1.149	0.0413
BGIBMGA010449	58.874	131.087	1.155	0.0391
BGIBMGA000237	18.381	40.933	1.155	0.0344
BGIBMGA002539	58.895	131.350	1.157	0.0388
BGIBMGA007565	53.181	118.785	1.159	0.0262
BGIBMGA002940	39.145	87.641	1.163	0.0346
BGIBMGA010628	14.349	32.161	1.164	0.0448
BGIBMGA007610	20.063	44.975	1.165	0.0351
BGIBMGA003634	9.814	22.000	1.165	0.0351
BGIBMGA009233	14.445	32.410	1.166	0.0482
BGIBMGA002925	24.864	55.795	1.166	0.0448
BGIBMGA011459	410.732	921.976	1.167	0.0315
BGIBMGA009159	93.292	209.496	1.167	0.0397
BGIBMGA010576	24.259	54.509	1.168	0.0317
BGIBMGA014118	44.864	100.814	1.168	0.0356
BGIBMGA014236	11.768	26.511	1.172	0.0268
BGIBMGA006865	18.201	41.038	1.173	0.0300
BGIBMGA005014	6.677	15.075	1.175	0.0215
BGIBMGA009345	5.559	12.562	1.176	0.0344
BGIBMGA007175	11.263	25.454	1.176	0.0222
BGIBMGA005722	9.664	21.850	1.177	0.0236
BGIBMGA005063	22.580	51.272	1.183	0.0356
BGIBMGA001382	30.480	69.317	1.185	0.0425
BGIBMGA012360	40.315	91.772	1.187	0.0310
BGIBMGA014224	5.538	12.615	1.188	0.0418
BGIBMGA008730	16.813	38.336	1.189	0.0323
BGIBMGA005173	148.078	337.766	1.190	0.0359
BGIBMGA000626	48.159	109.894	1.190	0.0336
BGIBMGA009401	15.737	35.991	1.193	0.0398

BGIBMGA004340	158.041	361.769	1.195	0.0339
BGIBMGA007355	58.827	134.666	1.195	0.0310
BGIBMGA004369	18.804	43.051	1.195	0.0339
BGIBMGA004441	64.714	148.206	1.195	0.0218
BGIBMGA006417	11.623	26.636	1.196	0.0215
BGIBMGA007975	9.222	21.133	1.196	0.0210
BGIBMGA011093	17.488	40.081	1.197	0.0236
BGIBMGA012373	269.742	618.717	1.198	0.0312
BGIBMGA007487	15.991	36.703	1.199	0.0268
BGIBMGA005351	16.325	37.475	1.199	0.0242
BGIBMGA007125	3.685	8.470	1.201	0.0274
BGIBMGA007937	3.928	9.037	1.202	0.0286
BGIBMGA002922	37.110	85.469	1.204	0.0398
BGIBMGA007716	9.820	22.655	1.206	0.0466
BGIBMGA000069	16.944	39.159	1.209	0.0186
BGIBMGA006517	12.151	28.083	1.209	0.0177
BGIBMGA013601	5.300	12.253	1.209	0.0315
BGIBMGA008009	14.700	34.049	1.212	0.0435
BGIBMGA009829	43.904	101.716	1.212	0.0393
BGIBMGA005080	11.130	25.850	1.216	0.0227
BGIBMGA012379	44.686	103.837	1.216	0.0300
BGIBMGA008729	11.995	27.892	1.217	0.0484
BGIBMGA003011	15.938	37.075	1.218	0.0233
BGIBMGA010040	55.079	128.191	1.219	0.0349
BGIBMGA010876	10.103	23.513	1.219	0.0446
BGIBMGA006637	13.275	30.916	1.220	0.0260
BGIBMGA014370	27.683	64.592	1.222	0.0250
BGIBMGA002077	126.903	296.133	1.223	0.0305
BGIBMGA000699	6.050	14.123	1.223	0.0233
BGIBMGA005759	9.964	23.268	1.224	0.0291
BGIBMGA004906	20.189	47.225	1.226	0.0439
BGIBMGA004337	86.917	203.366	1.226	0.0289
BGIBMGA003639	18.085	42.316	1.226	0.0365
BGIBMGA012778	2.150	5.031	1.227	0.0383
BGIBMGA003307	26.143	61.221	1.228	0.0262
BGIBMGA001015	44.719	104.738	1.228	0.0361
BGIBMGA009674	119.683	280.602	1.229	0.0365
BGIBMGA006685	53.125	124.850	1.233	0.0239
BGIBMGA011713	685.393	1612.650	1.234	0.0344
BGIBMGA009396	9.864	23.237	1.236	0.0195
BGIBMGA012361	62.911	148.206	1.236	0.0397
BGIBMGA007789	7.859	18.518	1.236	0.0326
BGIBMGA013593	53.204	125.592	1.239	0.0133
BGIBMGA010136	62.008	146.420	1.240	0.0247
BGIBMGA009179	32.125	75.920	1.241	0.0159
BGIBMGA003573	10.212	24.147	1.242	0.0394
BGIBMGA002035	20.349	48.174	1.243	0.0308
BGIBMGA001042	7.275	17.225	1.244	0.0119
BGIBMGA003129	18.287	43.384	1.246	0.0351
BGIBMGA011260	25.718	61.015	1.246	0.0368
BGIBMGA010545	6.741	15.996	1.247	0.0268
BGIBMGA009520	16.226	38.556	1.249	0.0212
BGIBMGA007951	29.360	69.775	1.249	0.0202
BGIBMGA008091	10.018	23.814	1.249	0.0253
BGIBMGA006055	14.896	35.414	1.249	0.0180
BGIBMGA005980	8.981	21.361	1.250	0.0159
BGIBMGA005492	38.663	91.984	1.250	0.0253
BGIBMGA000603	5.978	14.225	1.251	0.0210
BGIBMGA007111	103.480	246.381	1.252	0.0462
BGIBMGA007564	19.145	45.588	1.252	0.0166
BGIBMGA006869	8.810	20.993	1.253	0.0356
BGIBMGA009532	4.078	9.734	1.255	0.0470
BGIBMGA010077	2.532	6.052	1.257	0.0475

BGIBMGA001988	1.780	4.255	1.257	0.0361
BGIBMGA008451	15.611	37.332	1.258	0.0291
BGIBMGA000424	86.595	207.089	1.258	0.0230
BGIBMGA005348	16.017	38.340	1.259	0.0170
BGIBMGA012721	9.355	22.402	1.260	0.0388
BGIBMGA006589	41.609	99.647	1.260	0.0199
BGIBMGA004411	27.246	65.259	1.260	0.0444
BGIBMGA011540	101.998	244.608	1.262	0.0166
BGIBMGA006927	11.554	27.724	1.263	0.0100
BGIBMGA001765	19.634	47.178	1.265	0.0111
BGIBMGA000716	5.730	13.782	1.266	0.0466
BGIBMGA010000	67.148	161.542	1.267	0.0111
BGIBMGA004406	3910.360	9432.200	1.270	0.0202
BGIBMGA006854	218.749	528.155	1.272	0.0300
BGIBMGA002878	10.356	25.028	1.273	0.0297
BGIBMGA004082	5.732	13.857	1.273	0.0163
BGIBMGA008156	17.748	42.914	1.274	0.0193
BGIBMGA012249	36.956	89.420	1.275	0.0115
BGIBMGA011272	255.827	619.221	1.275	0.0212
BGIBMGA005491	33.770	81.808	1.277	0.0262
BGIBMGA012796	42.292	102.459	1.277	0.0224
BGIBMGA001342	14.490	35.159	1.279	0.0446
BGIBMGA002803	8.017	19.454	1.279	0.0286
BGIBMGA005738	77.399	188.156	1.282	0.0323
BGIBMGA003229	5.630	13.702	1.283	0.0195
BGIBMGA000076	7.346	17.879	1.283	0.0141
BGIBMGA002450	8.600	20.958	1.285	0.0271
BGIBMGA012453	7.794	19.020	1.287	0.0425
BGIBMGA010018	6.225	15.215	1.289	0.0103
BGIBMGA004558	8.610	21.060	1.290	0.0189
BGIBMGA007938	12.475	30.570	1.293	0.0210
BGIBMGA008858	6.184	15.163	1.294	0.0186
BGIBMGA003494	21.473	52.661	1.294	0.0141
BGIBMGA001655	14.970	36.726	1.295	0.0141
BGIBMGA013250	58.900	145.285	1.303	0.0308
BGIBMGA000075	3.165	7.821	1.305	0.0279
BGIBMGA002424	13.094	32.431	1.308	0.0123
BGIBMGA014423	9.567	23.744	1.311	0.0277
BGIBMGA012404	19.349	48.097	1.314	0.0137
BGIBMGA013322	21.825	54.260	1.314	0.0133
BGIBMGA001745	115.974	288.659	1.316	0.0193
BGIBMGA009979	15.776	39.311	1.317	0.0159
BGIBMGA010406	19.598	48.835	1.317	0.0123
BGIBMGA013371	9.260	23.081	1.318	0.0274
BGIBMGA005310	2.202	5.493	1.319	0.0437
BGIBMGA002652	17.607	43.937	1.319	0.0195
BGIBMGA013647	8.611	21.493	1.320	0.0265
BGIBMGA006016	13.610	33.994	1.321	0.0202
BGIBMGA007729	20.891	52.221	1.322	0.0368
BGIBMGA011577	73.002	182.504	1.322	0.0166
BGIBMGA004693	70.427	176.130	1.322	0.0230
BGIBMGA002324	2.954	7.387	1.323	0.0404
BGIBMGA007835	12.396	31.070	1.326	0.0103
BGIBMGA003673	13.766	34.520	1.326	0.0499
BGIBMGA001143	1.707	4.293	1.331	0.0464
BGIBMGA001590	10.365	26.082	1.331	0.0159
BGIBMGA005941	6.274	15.790	1.332	0.0433
BGIBMGA014018	24.846	62.605	1.333	0.0482
BGIBMGA006936	13.244	33.371	1.333	0.0195
BGIBMGA002915	131.532	331.700	1.334	0.0096
BGIBMGA002635	783.170	1976.250	1.335	0.0439
BGIBMGA007609	9.373	23.671	1.336	0.0087
BGIBMGA004416	101.125	255.763	1.339	0.0242

BGIBMGA004571	4.995	12.660	1.342	0.0130
BGIBMGA007042	19.247	48.844	1.344	0.0127
BGIBMGA008460	10.999	27.926	1.344	0.0227
BGIBMGA003800	87.605	222.576	1.345	0.0253
BGIBMGA007816	27.645	70.408	1.349	0.0064
BGIBMGA012323	21.825	55.678	1.351	0.0127
BGIBMGA001627	761.702	1944.250	1.352	0.0195
BGIBMGA012441	17.960	45.855	1.352	0.0180
BGIBMGA005062	4.841	12.372	1.354	0.0373
BGIBMGA002781	3.693	9.455	1.356	0.0407
BGIBMGA005447	50.465	129.243	1.357	0.0133
BGIBMGA004206	9.528	24.428	1.358	0.0127
BGIBMGA004675	0.769	1.974	1.359	0.0418
BGIBMGA003763	6.533	16.779	1.361	0.0222
BGIBMGA000592	20.289	52.169	1.363	0.0208
BGIBMGA004075	4184.380	10762.900	1.363	0.0091
BGIBMGA007936	6.762	17.437	1.367	0.0382
BGIBMGA007697	33.547	86.517	1.367	0.0087
BGIBMGA011340	7.288	18.826	1.369	0.0103
BGIBMGA007907	15.250	39.494	1.373	0.0130
BGIBMGA007084	9.883	25.618	1.374	0.0397
BGIBMGA006551	20.068	52.021	1.374	0.0133
BGIBMGA002159	2.938	7.622	1.375	0.0398
BGIBMGA012515	621.323	1612.230	1.376	0.0317
BGIBMGA009773	20.181	52.372	1.376	0.0044
BGIBMGA012918	2.559	6.655	1.379	0.0439
BGIBMGA000808	49.847	129.733	1.380	0.0123
BGIBMGA014119	74.773	194.680	1.381	0.0361
BGIBMGA008605	6.978	18.175	1.381	0.0183
BGIBMGA004412	11.078	28.881	1.382	0.0180
BGIBMGA009328	75.813	197.766	1.383	0.0152
BGIBMGA013662	64.372	168.029	1.384	0.0100
BGIBMGA002770	100.666	263.034	1.386	0.0170
BGIBMGA010055	17.828	46.601	1.386	0.0096
BGIBMGA004062	1.578	4.127	1.387	0.0413
BGIBMGA010546	92.152	241.448	1.390	0.0227
BGIBMGA005083	3.174	8.325	1.391	0.0123
BGIBMGA013669	72.442	190.126	1.392	0.0107
BGIBMGA006582	1.344	3.531	1.393	0.0183
BGIBMGA013218	13.861	36.482	1.396	0.0133
BGIBMGA009227	86.043	226.501	1.396	0.0115
BGIBMGA000422	23.366	61.607	1.399	0.0111
BGIBMGA005119	4.729	12.471	1.399	0.0107
BGIBMGA004195	1.565	4.136	1.402	0.0437
BGIBMGA009193	18.193	48.173	1.405	0.0073
BGIBMGA011712	8.919	23.648	1.407	0.0130
BGIBMGA005440	8.840	23.441	1.407	0.0174
BGIBMGA012216	22.127	58.707	1.408	0.0078
BGIBMGA006120	105.684	280.463	1.408	0.0083
BGIBMGA008897	3.005	7.982	1.409	0.0170
BGIBMGA012319	4.398	11.690	1.410	0.0245
BGIBMGA011364	27.500	73.216	1.413	0.0087
BGIBMGA002370	58.724	156.522	1.414	0.0183
BGIBMGA012134	58.242	155.332	1.415	0.0049
BGIBMGA010407	3.700	9.878	1.417	0.0346
BGIBMGA001392	7.090	18.954	1.419	0.0393
BGIBMGA007590	11.699	31.279	1.419	0.0091
BGIBMGA010045	17.296	46.244	1.419	0.0078
BGIBMGA001947	8.235	22.062	1.422	0.0351
BGIBMGA000209	18.804	50.425	1.423	0.0166
BGIBMGA004415	43.450	116.620	1.424	0.0163
BGIBMGA004696	3.109	8.346	1.425	0.0379
BGIBMGA006027	4.231	11.367	1.426	0.0130

BGIBMGA001328	21.842	58.744	1.427	0.0103
BGIBMGA013407	2.320	6.253	1.431	0.0130
BGIBMGA001713	148.568	401.048	1.433	0.0059
BGIBMGA007133	10.258	27.719	1.434	0.0233
BGIBMGA000210	5.647	15.291	1.437	0.0383
BGIBMGA008658	30.831	83.491	1.437	0.0141
BGIBMGA013521	15.219	41.213	1.437	0.0100
BGIBMGA009437	4.077	11.040	1.437	0.0189
BGIBMGA009770	17.293	46.848	1.438	0.0064
BGIBMGA007735	3.266	8.849	1.438	0.0115
BGIBMGA003185	5.118	13.890	1.440	0.0096
BGIBMGA013125	21.361	57.974	1.440	0.0054
BGIBMGA004595	4.714	12.796	1.441	0.0233
BGIBMGA012782	8.303	22.538	1.441	0.0068
BGIBMGA007144	447.099	1213.670	1.441	0.0096
BGIBMGA008058	3.934	10.683	1.441	0.0245
BGIBMGA006584	4.737	12.898	1.445	0.0130
BGIBMGA013217	8.454	23.026	1.445	0.0149
BGIBMGA009857	9.178	25.004	1.446	0.0227
BGIBMGA004348	4.472	12.194	1.447	0.0260
BGIBMGA014220	38.765	105.774	1.448	0.0044
BGIBMGA001435	21.697	59.280	1.450	0.0064
BGIBMGA000809	34.637	94.812	1.453	0.0064
BGIBMGA012427	67.277	184.201	1.453	0.0371
BGIBMGA000737	325.201	891.273	1.455	0.0107
BGIBMGA012479	8.849	24.253	1.455	0.0096
BGIBMGA011597	12.722	34.952	1.458	0.0163
BGIBMGA008304	39.017	107.223	1.458	0.0103
BGIBMGA014570	7.372	20.271	1.459	0.0257
BGIBMGA002926	13.605	37.464	1.461	0.0028
BGIBMGA005527	14.422	39.725	1.462	0.0096
BGIBMGA008155	35.656	98.225	1.462	0.0039
BGIBMGA009049	61.314	168.972	1.463	0.0145
BGIBMGA008787	11.713	32.370	1.467	0.0068
BGIBMGA000204	35.839	99.182	1.469	0.0054
BGIBMGA001090	13.629	37.740	1.469	0.0247
BGIBMGA011477	25.743	71.586	1.476	0.0054
BGIBMGA011548	163.283	454.222	1.476	0.0044
BGIBMGA012921	30.976	86.383	1.480	0.0119
BGIBMGA003268	14.051	39.274	1.483	0.0054
BGIBMGA006640	10.968	30.673	1.484	0.0073
BGIBMGA002107	6.504	18.213	1.486	0.0068
BGIBMGA005202	26.356	73.857	1.487	0.0049
BGIBMGA012215	10.439	29.277	1.488	0.0133
BGIBMGA002076	14.579	40.903	1.488	0.0044
BGIBMGA011353	16.708	46.888	1.489	0.0049
BGIBMGA009327	54.181	152.437	1.492	0.0115
BGIBMGA013017	7.790	21.998	1.498	0.0115
BGIBMGA011644	0.825	2.331	1.498	0.0233
BGIBMGA003221	884.190	2498.580	1.499	0.0487
BGIBMGA002912	1.123	3.174	1.500	0.0279
BGIBMGA008317	2.947	8.350	1.502	0.0111
BGIBMGA004143	7.480	21.206	1.503	0.0242
BGIBMGA006884	18.739	53.128	1.503	0.0068
BGIBMGA000416	11.764	33.361	1.504	0.0115
BGIBMGA008851	20.918	59.428	1.506	0.0008
BGIBMGA000353	4.536	12.961	1.515	0.0103
BGIBMGA006676	8.714	24.910	1.515	0.0064
BGIBMGA010476	6.192	17.720	1.517	0.0083
BGIBMGA005342	24.380	69.792	1.517	0.0073
BGIBMGA008006	39.178	112.167	1.518	0.0039
BGIBMGA000736	787.036	2258.980	1.521	0.0103
BGIBMGA009655	16.010	45.965	1.522	0.0100

BGIBMGA008561	0.507	1.465	1.532	0.0262
BGIBMGA006514	113.982	331.007	1.538	0.0107
BGIBMGA007466	561.650	1631.120	1.538	0.0022
BGIBMGA011011	6.273	18.237	1.540	0.0087
BGIBMGA002596	289.457	842.000	1.540	0.0336
BGIBMGA011814	12.001	35.029	1.545	0.0054
BGIBMGA000529	42.945	125.373	1.546	0.0163
BGIBMGA009276	82.393	240.545	1.546	0.0103
BGIBMGA003667	20.842	60.866	1.546	0.0049
BGIBMGA002732	1.869	5.458	1.546	0.0212
BGIBMGA011373	13.574	39.649	1.546	0.0015
BGIBMGA012195	5.695	16.645	1.547	0.0008
BGIBMGA007815	15.281	44.673	1.548	0.0466
BGIBMGA003020	46.632	136.333	1.548	0.0033
BGIBMGA007039	1636.830	4793.960	1.550	0.0049
BGIBMGA001549	2641.850	7738.860	1.551	0.0096
BGIBMGA012368	0.994	2.915	1.553	0.0236
BGIBMGA002673	3.991	11.711	1.553	0.0068
BGIBMGA011017	2.736	8.030	1.553	0.0208
BGIBMGA005012	12.594	36.970	1.554	0.0064
BGIBMGA008912	107.457	315.474	1.554	0.0137
BGIBMGA012393	6.078	17.864	1.555	0.0453
BGIBMGA007563	7.834	23.055	1.557	0.0195
BGIBMGA009263	42.005	123.663	1.558	0.0064
BGIBMGA012199	45.168	133.003	1.558	0.0044
BGIBMGA012456	8.886	26.197	1.560	0.0100
BGIBMGA007986	9.187	27.136	1.563	0.0028
BGIBMGA011521	16.434	48.553	1.563	0.0059
BGIBMGA005524	12.469	36.916	1.566	0.0049
BGIBMGA008917	17.072	50.582	1.567	0.0033
BGIBMGA013126	2.496	7.397	1.567	0.0222
BGIBMGA003269	41.091	121.766	1.567	0.0087
BGIBMGA005445	0.633	1.877	1.569	0.0202
BGIBMGA012527	2.444	7.254	1.569	0.0386
BGIBMGA001178	21.790	64.673	1.570	0.0212
BGIBMGA011524	95.348	283.164	1.570	0.0033
BGIBMGA003630	4.129	12.272	1.571	0.0078
BGIBMGA012255	19.254	57.266	1.573	0.0008
BGIBMGA011658	54.992	163.584	1.573	0.0008
BGIBMGA000844	1.909	5.680	1.573	0.0294
BGIBMGA009035	2.715	8.081	1.574	0.0394
BGIBMGA010057	141.974	423.123	1.575	0.0083
BGIBMGA007607	6.227	18.580	1.577	0.0033
BGIBMGA009664	5.745	17.144	1.577	0.0022
BGIBMGA001841	9.217	27.561	1.580	0.0015
BGIBMGA011254	6.247	18.686	1.581	0.0022
BGIBMGA002462	397.200	1188.390	1.581	0.0291
BGIBMGA000855	17.419	52.139	1.582	0.0022
BGIBMGA002645	0.910	2.732	1.586	0.0411
BGIBMGA002456	4.160	12.504	1.588	0.0015
BGIBMGA010823	3.205	9.644	1.589	0.0127
BGIBMGA013132	19.187	57.829	1.592	0.0039
BGIBMGA013894	25.478	76.867	1.593	0.0059
BGIBMGA013160	17.201	51.910	1.594	0.0033
BGIBMGA002590	15.772	47.716	1.597	0.0028
BGIBMGA000806	45.253	137.039	1.599	0.0015
BGIBMGA006180	3.928	11.909	1.600	0.0022
BGIBMGA001646	8.163	24.765	1.601	0.0028
BGIBMGA007759	3.657	11.103	1.602	0.0015
BGIBMGA014091	5.366	16.295	1.602	0.0049
BGIBMGA012606	43.889	133.323	1.603	0.0087
BGIBMGA003964	105.549	320.922	1.604	0.0022
BGIBMGA011610	1.119	3.410	1.607	0.0336

BGIBMGA004405	6.765	20.630	1.609	0.0152
BGIBMGA003931	93.140	284.114	1.609	0.0411
BGIBMGA001177	6.477	19.792	1.612	0.0083
BGIBMGA004164	118.356	361.765	1.612	0.0033
BGIBMGA004818	1.039	3.182	1.614	0.0496
BGIBMGA004222	2.739	8.388	1.615	0.0141
BGIBMGA014257	5.227	16.017	1.615	0.0166
BGIBMGA006898	45.583	139.695	1.616	0.0073
BGIBMGA009623	7.403	22.698	1.616	0.0149
BGIBMGA003526	1.484	4.554	1.617	0.0418
BGIBMGA013949	0.514	1.577	1.617	0.0289
BGIBMGA013014	5.452	16.740	1.618	0.0133
BGIBMGA012995	15.985	49.142	1.620	0.0015
BGIBMGA009400	6.557	20.164	1.621	0.0418
BGIBMGA012814	11.233	34.592	1.623	0.0054
BGIBMGA009418	45.386	139.862	1.624	0.0008
BGIBMGA003115	7.852	24.222	1.625	0.0015
BGIBMGA007314	35.642	110.094	1.627	0.0033
BGIBMGA005988	4.379	13.540	1.628	0.0064
BGIBMGA001717	15.894	49.165	1.629	0.0008
BGIBMGA008005	7.872	24.449	1.635	0.0437
BGIBMGA013346	0.277	0.860	1.636	0.0455
BGIBMGA002345	17.130	53.287	1.637	0.0054
BGIBMGA006976	142.279	443.729	1.641	0.0068
BGIBMGA013909	9.937	31.080	1.645	0.0054
BGIBMGA000591	9.843	30.829	1.647	0.0008
BGIBMGA003744	8.647	27.146	1.651	0.0015
BGIBMGA009856	5.539	17.397	1.651	0.0022
BGIBMGA013661	30.322	95.271	1.652	0.0008
BGIBMGA000208	10.838	34.163	1.656	0.0091
BGIBMGA001635	0.902	2.845	1.658	0.0383
BGIBMGA009489	1.048	3.311	1.660	0.0100
BGIBMGA005601	27.920	88.478	1.664	0.0022
BGIBMGA011108	19.982	63.325	1.664	0.0008
BGIBMGA008908	2.727	8.656	1.667	0.0435
BGIBMGA005183	18.142	57.737	1.670	0.0008
BGIBMGA006686	23.982	76.385	1.671	0.0049
BGIBMGA009338	40.072	127.641	1.671	0.0033
BGIBMGA007398	6.581	20.975	1.672	0.0183
BGIBMGA001814	4.185	13.343	1.673	0.0022
BGIBMGA002491	6.906	22.066	1.676	0.0015
BGIBMGA014055	0.583	1.863	1.677	0.0451
BGIBMGA003454	1.583	5.064	1.678	0.0008
BGIBMGA006183	32.290	103.318	1.678	0.0015
BGIBMGA008204	0.660	2.115	1.679	0.0478
BGIBMGA007812	4.946	15.871	1.682	0.0008
BGIBMGA008311	6.483	20.845	1.685	0.0033
BGIBMGA012486	31.917	102.623	1.685	0.0331
BGIBMGA013230	59.287	190.629	1.685	0.0015
BGIBMGA008811	11.887	38.271	1.687	0.0022
BGIBMGA007985	4.881	15.757	1.691	0.0015
BGIBMGA009376	9.925	32.073	1.692	0.0008
BGIBMGA001325	208.376	673.683	1.693	0.0015
BGIBMGA003202	15.085	48.804	1.694	0.0008
BGIBMGA008802	1.805	5.845	1.695	0.0496
BGIBMGA002986	45.816	148.423	1.696	0.0008
BGIBMGA005418	89.581	290.429	1.697	0.0028
BGIBMGA004655	45.888	148.799	1.697	0.0068
BGIBMGA010030	91.156	296.459	1.701	0.0361
BGIBMGA014191	3.122	10.156	1.702	0.0033
BGIBMGA002669	1.247	4.067	1.705	0.0202
BGIBMGA003629	2.648	8.634	1.705	0.0028
BGIBMGA003546	6.053	19.749	1.706	0.0087

BGIBMGA005341	35.804	116.812	1.706	0.0008
BGIBMGA011636	1.357	4.430	1.707	0.0039
BGIBMGA011172	12.405	40.578	1.710	0.0039
BGIBMGA007591	6.381	20.903	1.712	0.0413
BGIBMGA011911	1.224	4.010	1.712	0.0008
BGIBMGA000631	3.460	11.356	1.714	0.0137
BGIBMGA011504	54.146	177.744	1.715	0.0008
BGIBMGA013756	1.437	4.725	1.717	0.0265
BGIBMGA004484	7.189	23.653	1.718	0.0470
BGIBMGA005066	4.199	13.827	1.720	0.0008
BGIBMGA012239	24.717	81.534	1.722	0.0008
BGIBMGA002123	0.769	2.545	1.726	0.0180
BGIBMGA010297	15.063	49.858	1.727	0.0008
BGIBMGA006184	39.774	131.815	1.729	0.0008
BGIBMGA008159	82.766	274.754	1.731	0.0008
BGIBMGA005300	22.980	76.493	1.735	0.0039
BGIBMGA014080	2.384	7.936	1.735	0.0103
BGIBMGA001611	19.262	64.180	1.736	0.0416
BGIBMGA011727	8.949	29.819	1.736	0.0344
BGIBMGA014126	264.874	882.952	1.737	0.0174
BGIBMGA005700	55.957	186.628	1.738	0.0008
BGIBMGA010900	3.233	10.786	1.738	0.0008
BGIBMGA002670	11.532	38.514	1.740	0.0294
BGIBMGA011105	3.590	11.995	1.740	0.0130
BGIBMGA013235	22.265	74.410	1.741	0.0028
BGIBMGA013829	23.411	78.302	1.742	0.0008
BGIBMGA008421	15.040	50.314	1.742	0.0033
BGIBMGA012800	8.057	27.022	1.746	0.0008
BGIBMGA008257	42.420	142.354	1.747	0.0033
BGIBMGA011440	2.806	9.418	1.747	0.0351
BGIBMGA005233	4.726	15.882	1.749	0.0091
BGIBMGA009917	49.013	164.837	1.750	0.0015
BGIBMGA008292	30.275	101.959	1.752	0.0008
BGIBMGA012306	1.276	4.299	1.753	0.0210
BGIBMGA011576	3.859	13.029	1.756	0.0008
BGIBMGA000206	10.448	35.347	1.758	0.0008
BGIBMGA001999	25.303	85.679	1.760	0.0022
BGIBMGA006675	1.984	6.719	1.760	0.0245
BGIBMGA000327	22.227	75.281	1.760	0.0028
BGIBMGA009180	27.551	93.492	1.763	0.0022
BGIBMGA002160	0.843	2.864	1.764	0.0499
BGIBMGA003040	17.366	59.182	1.769	0.0068
BGIBMGA009997	11.358	38.764	1.771	0.0015
BGIBMGA011138	10.499	35.881	1.773	0.0008
BGIBMGA013173	46.127	157.701	1.774	0.0015
BGIBMGA001491	2.154	7.366	1.774	0.0416
BGIBMGA012035	9.774	33.704	1.786	0.0008
BGIBMGA001795	0.659	2.276	1.788	0.0425
BGIBMGA010497	9.988	34.506	1.789	0.0008
BGIBMGA004066	76.003	262.638	1.789	0.0008
BGIBMGA011326	0.561	1.944	1.794	0.0044
BGIBMGA001807	0.974	3.381	1.796	0.0499
BGIBMGA007034	10.748	37.333	1.796	0.0008
BGIBMGA004346	18.596	64.826	1.802	0.0028
BGIBMGA004511	4.170	14.554	1.803	0.0008
BGIBMGA007854	5.960	20.838	1.806	0.0073
BGIBMGA011241	19.463	68.291	1.811	0.0008
BGIBMGA008850	4.680	16.424	1.811	0.0233
BGIBMGA001357	2.358	8.286	1.813	0.0091
BGIBMGA002355	24.320	85.520	1.814	0.0054
BGIBMGA001237	39.521	139.124	1.816	0.0008
BGIBMGA012876	2.665	9.387	1.817	0.0028
BGIBMGA014429	45.306	159.850	1.819	0.0022

BGIBMGA004616	9.976	35.203	1.819	0.0008
BGIBMGA013231	40.771	144.042	1.821	0.0015
BGIBMGA005150	1.233	4.357	1.821	0.0022
BGIBMGA009881	5.678	20.178	1.829	0.0008
BGIBMGA011151	8.144	28.949	1.830	0.0028
BGIBMGA010027	2.420	8.610	1.831	0.0008
BGIBMGA012254	12.387	44.084	1.831	0.0008
BGIBMGA004151	3.039	10.840	1.835	0.0107
BGIBMGA005984	1.460	5.212	1.835	0.0054
BGIBMGA011987	11.002	39.268	1.836	0.0033
BGIBMGA007626	4.512	16.116	1.837	0.0068
BGIBMGA001981	3.452	12.351	1.839	0.0008
BGIBMGA004692	13.354	47.796	1.840	0.0008
BGIBMGA000346	31.129	111.448	1.840	0.0064
BGIBMGA009325	33.243	119.489	1.846	0.0008
BGIBMGA004613	90.292	324.627	1.846	0.0199
BGIBMGA002812	2.190	7.874	1.846	0.0268
BGIBMGA005263	4.587	16.532	1.850	0.0054
BGIBMGA003830	3.703	13.370	1.852	0.0100
BGIBMGA012088	0.525	1.899	1.853	0.0391
BGIBMGA000371	6.287	22.778	1.857	0.0073
BGIBMGA012789	0.562	2.036	1.857	0.0049
BGIBMGA013130	24.412	88.574	1.859	0.0159
BGIBMGA009250	13.072	47.448	1.860	0.0054
BGIBMGA002816	5.573	20.235	1.860	0.0049
BGIBMGA013899	6.333	23.028	1.862	0.0008
BGIBMGA003567	3.863	14.136	1.872	0.0193
BGIBMGA001007	1.464	5.358	1.872	0.0022
BGIBMGA006227	17.349	63.748	1.878	0.0008
BGIBMGA003046	1.969	7.258	1.882	0.0054
BGIBMGA000207	7.301	26.963	1.885	0.0008
BGIBMGA007079	83.475	308.600	1.886	0.0039
BGIBMGA008582	8.805	32.553	1.886	0.0008
BGIBMGA002615	0.602	2.231	1.891	0.0177
BGIBMGA002043	0.358	1.328	1.892	0.0239
BGIBMGA010186	10.621	39.472	1.894	0.0008
BGIBMGA003676	6.162	22.902	1.894	0.0008
BGIBMGA009656	4.157	15.462	1.895	0.0015
BGIBMGA006901	11.521	42.913	1.897	0.0022
BGIBMGA011311	48.060	179.026	1.897	0.0022
BGIBMGA008067	0.757	2.823	1.899	0.0100
BGIBMGA008445	0.859	3.203	1.899	0.0312
BGIBMGA000184	8.602	32.165	1.903	0.0133
BGIBMGA004229	8.601	32.263	1.907	0.0008
BGIBMGA004291	14.611	54.901	1.910	0.0123
BGIBMGA003099	0.867	3.263	1.912	0.0177
BGIBMGA007758	1.230	4.628	1.912	0.0425
BGIBMGA009269	6.039	22.749	1.913	0.0008
BGIBMGA001613	31.658	119.587	1.917	0.0008
BGIBMGA013782	169.527	641.751	1.921	0.0049
BGIBMGA010787	63.949	242.863	1.925	0.0008
BGIBMGA000006	4.819	18.305	1.925	0.0083
BGIBMGA012722	1.024	3.896	1.928	0.0115
BGIBMGA005834	92.258	351.951	1.932	0.0022
BGIBMGA000109	2.073	7.929	1.936	0.0008
BGIBMGA013872	1.889	7.248	1.940	0.0208
BGIBMGA009514	2.288	8.807	1.945	0.0008
BGIBMGA009137	1.157	4.455	1.945	0.0008
BGIBMGA004832	2.903	11.194	1.947	0.0008
BGIBMGA010431	2.722	10.512	1.949	0.0073
BGIBMGA011823	11.277	43.566	1.950	0.0008
BGIBMGA011226	0.782	3.020	1.950	0.0195
BGIBMGA000714	11.205	43.335	1.951	0.0008

BGIBMGA012498	5.276	20.580	1.964	0.0039
BGIBMGA006088	9.295	36.263	1.964	0.0008
BGIBMGA005696	62.363	243.411	1.965	0.0437
BGIBMGA000850	5.478	21.419	1.967	0.0008
BGIBMGA007935	248.839	973.788	1.968	0.0059
BGIBMGA004999	15.649	61.383	1.972	0.0250
BGIBMGA008967	24.070	94.888	1.979	0.0008
BGIBMGA013375	0.324	1.277	1.980	0.0363
BGIBMGA010786	18.084	71.557	1.984	0.0008
BGIBMGA010540	1.603	6.360	1.988	0.0365
BGIBMGA005397	26.340	104.853	1.993	0.0073
BGIBMGA011750	0.468	1.867	1.996	0.0103
BGIBMGA006082	3.916	15.632	1.997	0.0008
BGIBMGA000849	4.660	18.706	2.005	0.0008
BGIBMGA003461	15.041	60.404	2.006	0.0008
BGIBMGA004194	0.990	3.983	2.008	0.0119
BGIBMGA011213	15.021	60.421	2.008	0.0008
BGIBMGA003640	7.554	30.409	2.009	0.0008
BGIBMGA011228	16.144	64.994	2.009	0.0015
BGIBMGA001498	12.727	51.239	2.009	0.0008
BGIBMGA003138	8.581	34.610	2.012	0.0008
BGIBMGA011149	1.674	6.752	2.012	0.0115
BGIBMGA001609	4.789	19.376	2.016	0.0008
BGIBMGA010400	6.568	26.575	2.017	0.0044
BGIBMGA003874	48.406	196.100	2.018	0.0008
BGIBMGA013652	1.716	6.950	2.018	0.0083
BGIBMGA004292	5.272	21.363	2.019	0.0351
BGIBMGA004783	2.841	11.521	2.020	0.0033
BGIBMGA008965	49.681	202.001	2.024	0.0008
BGIBMGA012588	2.859	11.632	2.024	0.0033
BGIBMGA014298	0.825	3.367	2.029	0.0410
BGIBMGA003032	31.152	127.237	2.030	0.0008
BGIBMGA006699	3.969	16.269	2.035	0.0008
BGIBMGA005143	34.382	141.050	2.036	0.0008
BGIBMGA006961	0.778	3.199	2.040	0.0022
BGIBMGA002964	1.736	7.161	2.045	0.0039
BGIBMGA005078	1.473	6.111	2.053	0.0491
BGIBMGA009908	10.121	42.044	2.055	0.0460
BGIBMGA007970	13.843	57.515	2.055	0.0008
BGIBMGA013172	24.117	100.344	2.057	0.0008
BGIBMGA008066	4.735	19.717	2.058	0.0008
BGIBMGA011834	15.878	66.138	2.058	0.0008
BGIBMGA013269	10.420	43.425	2.059	0.0033
BGIBMGA003506	4.972	20.755	2.062	0.0008
BGIBMGA009479	5.494	22.983	2.065	0.0039
BGIBMGA001985	3.211	13.439	2.065	0.0008
BGIBMGA010015	20.197	84.583	2.066	0.0008
BGIBMGA012081	6.474	27.277	2.075	0.0008
BGIBMGA014366	1.022	4.310	2.076	0.0177
BGIBMGA008543	13.843	58.456	2.078	0.0028
BGIBMGA010555	2.047	8.650	2.080	0.0033
BGIBMGA003133	4.361	18.453	2.081	0.0064
BGIBMGA012826	7.439	31.520	2.083	0.0008
BGIBMGA012605	5.533	23.453	2.084	0.0049
BGIBMGA005167	8.123	34.485	2.086	0.0008
BGIBMGA000032	1.754	7.457	2.088	0.0008
BGIBMGA012501	7.676	32.698	2.091	0.0091
BGIBMGA008964	6.470	27.609	2.093	0.0049
BGIBMGA002961	0.836	3.576	2.096	0.0383
BGIBMGA001721	0.980	4.196	2.098	0.0068
BGIBMGA007253	0.534	2.289	2.099	0.0356
BGIBMGA002383	9.908	42.457	2.099	0.0008
BGIBMGA009101	248.641	1066.290	2.100	0.0008

BGIBMGA002907	328.671	1414.770	2.106	0.0008
BGIBMGA012403	1.319	5.689	2.109	0.0022
BGIBMGA010029	0.573	2.478	2.111	0.0044
BGIBMGA013803	335.666	1453.680	2.115	0.0310
BGIBMGA007797	0.607	2.634	2.118	0.0156
BGIBMGA005386	1.221	5.310	2.121	0.0464
BGIBMGA007093	46.844	204.096	2.123	0.0008
BGIBMGA008534	2.526	11.016	2.125	0.0008
BGIBMGA006261	7.612	33.208	2.125	0.0394
BGIBMGA001101	6.111	26.689	2.127	0.0008
BGIBMGA011139	3.892	17.000	2.127	0.0008
BGIBMGA000563	95.106	415.622	2.128	0.0008
BGIBMGA003062	60.594	265.077	2.129	0.0008
BGIBMGA001548	21.648	94.837	2.131	0.0008
BGIBMGA012999	9.437	41.380	2.133	0.0458
BGIBMGA011350	1.513	6.647	2.136	0.0039
BGIBMGA014601	28.967	127.957	2.143	0.0008
BGIBMGA012764	3.364	14.978	2.155	0.0008
BGIBMGA008002	2.465	10.982	2.155	0.0028
BGIBMGA001827	1.765	7.867	2.156	0.0015
BGIBMGA002317	3.707	16.539	2.158	0.0180
BGIBMGA009933	22.191	99.106	2.159	0.0008
BGIBMGA000561	298.563	1335.810	2.162	0.0039
BGIBMGA009298	32.121	143.896	2.163	0.0008
BGIBMGA005823	30.430	137.219	2.173	0.0119
BGIBMGA008056	1.834	8.309	2.180	0.0008
BGIBMGA011479	46.305	210.051	2.182	0.0008
BGIBMGA001566	0.305	1.385	2.184	0.0059
BGIBMGA002988	6.155	27.979	2.185	0.0008
BGIBMGA010963	16.726	76.111	2.186	0.0008
BGIBMGA003861	4.893	22.341	2.191	0.0310
BGIBMGA002937	0.326	1.492	2.192	0.0083
BGIBMGA009494	9.510	43.474	2.193	0.0008
BGIBMGA002945	8.131	37.214	2.194	0.0008
BGIBMGA007168	0.908	4.159	2.195	0.0470
BGIBMGA005387	4.642	21.290	2.197	0.0087
BGIBMGA003920	11.133	51.240	2.202	0.0015
BGIBMGA014464	7.025	32.481	2.209	0.0015
BGIBMGA003552	0.662	3.064	2.212	0.0111
BGIBMGA003715	1.051	4.883	2.216	0.0039
BGIBMGA008581	3.438	16.037	2.222	0.0008
BGIBMGA000342	7.064	33.141	2.230	0.0177
BGIBMGA001075	29.149	136.815	2.231	0.0008
BGIBMGA007199	1.891	8.879	2.231	0.0008
BGIBMGA000454	0.257	1.206	2.233	0.0078
BGIBMGA009552	4.493	21.149	2.235	0.0044
BGIBMGA002432	23.110	108.817	2.235	0.0008
BGIBMGA014285	372.562	1755.950	2.237	0.0247
BGIBMGA009299	2.193	10.380	2.243	0.0111
BGIBMGA008092	19.904	94.490	2.247	0.0008
BGIBMGA004126	1.477	7.063	2.258	0.0008
BGIBMGA005556	7.832	37.542	2.261	0.0008
BGIBMGA008100	102.748	492.912	2.262	0.0008
BGIBMGA013865	321.066	1546.060	2.268	0.0283
BGIBMGA003976	1.652	7.957	2.268	0.0008
BGIBMGA010573	41.872	201.902	2.270	0.0008
BGIBMGA002938	8.384	40.448	2.270	0.0049
BGIBMGA003455	1.330	6.427	2.273	0.0028
BGIBMGA006642	4.329	20.960	2.276	0.0008
BGIBMGA008740	7.101	34.432	2.278	0.0008
BGIBMGA004708	11.256	55.013	2.289	0.0008
BGIBMGA002702	3.148	15.388	2.290	0.0008
BGIBMGA002457	29.891	146.488	2.293	0.0008

BGIBMGA014365	0.795	3.910	2.299	0.0008
BGIBMGA001683	4.845	23.843	2.299	0.0008
BGIBMGA010704	0.627	3.109	2.309	0.0145
BGIBMGA006280	257.308	1275.310	2.309	0.0224
BGIBMGA000134	2.096	10.390	2.309	0.0189
BGIBMGA002664	62.754	311.460	2.311	0.0008
BGIBMGA006235	9.994	49.913	2.320	0.0039
BGIBMGA001732	33.302	166.874	2.325	0.0008
BGIBMGA004540	170.027	855.731	2.331	0.0008
BGIBMGA002002	13.087	66.021	2.335	0.0008
BGIBMGA010649	2.211	11.188	2.339	0.0008
BGIBMGA006179	0.204	1.031	2.341	0.0260
BGIBMGA000031	1.139	5.782	2.344	0.0008
BGIBMGA003890	1.131	5.747	2.345	0.0008
BGIBMGA006151	7.410	37.666	2.346	0.0008
BGIBMGA013893	5.117	26.058	2.348	0.0008
BGIBMGA007427	3.624	18.472	2.350	0.0033
BGIBMGA005320	11.981	61.195	2.353	0.0008
BGIBMGA009417	1.662	8.508	2.356	0.0008
BGIBMGA001528	3.382	17.342	2.358	0.0008
BGIBMGA007804	25.067	128.755	2.361	0.0008
BGIBMGA011774	56.963	292.760	2.362	0.0015
BGIBMGA004890	4.480	23.035	2.362	0.0008
BGIBMGA007647	16.825	86.571	2.363	0.0008
BGIBMGA001996	0.199	1.027	2.365	0.0344
BGIBMGA013752	2.777	14.357	2.370	0.0044
BGIBMGA001235	23.048	119.566	2.375	0.0008
BGIBMGA008110	8.194	42.733	2.383	0.0008
BGIBMGA003356	10.686	55.837	2.386	0.0205
BGIBMGA001087	17.469	91.998	2.397	0.0186
BGIBMGA008803	118.192	622.630	2.397	0.0008
BGIBMGA000336	23.352	123.145	2.399	0.0008
BGIBMGA010979	15.406	81.269	2.399	0.0008
BGIBMGA011873	4.236	22.534	2.411	0.0008
BGIBMGA004011	7.516	39.984	2.411	0.0008
BGIBMGA012699	3.018	16.072	2.413	0.0008
BGIBMGA011140	7.953	42.567	2.420	0.0008
BGIBMGA007158	23.856	127.964	2.423	0.0008
BGIBMGA000330	11.813	63.404	2.424	0.0008
BGIBMGA010801	1.398	7.517	2.426	0.0008
BGIBMGA001820	7.597	40.907	2.429	0.0236
BGIBMGA004530	0.584	3.156	2.434	0.0083
BGIBMGA006226	8.098	43.824	2.436	0.0008
BGIBMGA005069	9.322	50.643	2.442	0.0227
BGIBMGA006549	3.377	18.371	2.444	0.0391
BGIBMGA013281	0.875	4.773	2.448	0.0015
BGIBMGA005298	3.706	20.264	2.451	0.0180
BGIBMGA006596	1.496	8.189	2.452	0.0033
BGIBMGA005352	11.659	63.885	2.454	0.0008
BGIBMGA002177	10.652	58.385	2.454	0.0183
BGIBMGA007038	2.206	12.123	2.458	0.0008
BGIBMGA006710	0.223	1.227	2.461	0.0224
BGIBMGA007682	0.682	3.759	2.463	0.0033
BGIBMGA002930	103.355	570.012	2.463	0.0008
BGIBMGA010024	1.531	8.446	2.464	0.0059
BGIBMGA002217	8.974	49.517	2.464	0.0015
BGIBMGA011220	4.117	22.766	2.467	0.0008
BGIBMGA014360	964.041	5345.120	2.471	0.0008
BGIBMGA005582	19.985	110.870	2.472	0.0008
BGIBMGA009793	0.564	3.159	2.485	0.0022
BGIBMGA001272	8.537	47.925	2.489	0.0015
BGIBMGA014176	0.503	2.824	2.490	0.0245
BGIBMGA000315	3.117	17.516	2.490	0.0115

BGIBMGA013910	4.280	24.185	2.498	0.0008
BGIBMGA013005	5.135	29.036	2.500	0.0008
BGIBMGA006339	6.765	38.312	2.502	0.0008
BGIBMGA009776	441.453	2501.290	2.502	0.0008
BGIBMGA011212	6.478	36.722	2.503	0.0141
BGIBMGA009891	4.032	22.899	2.506	0.0008
BGIBMGA013688	1.677	9.537	2.508	0.0008
BGIBMGA003199	14.318	81.805	2.514	0.0008
BGIBMGA009245	3.716	21.240	2.515	0.0008
BGIBMGA007428	3.983	22.961	2.527	0.0015
BGIBMGA006537	1.316	7.588	2.528	0.0177
BGIBMGA011875	2.672	15.434	2.530	0.0033
BGIBMGA012307	0.639	3.696	2.532	0.0059
BGIBMGA012253	3.483	20.229	2.538	0.0320
BGIBMGA008108	0.865	5.029	2.540	0.0130
BGIBMGA004399	8.894	52.119	2.551	0.0015
BGIBMGA003258	4.200	24.634	2.552	0.0008
BGIBMGA014367	1.364	8.004	2.553	0.0008
BGIBMGA013545	8.740	51.485	2.558	0.0008
BGIBMGA006539	0.832	4.916	2.562	0.0044
BGIBMGA009204	0.756	4.472	2.565	0.0193
BGIBMGA007016	3.190	18.878	2.565	0.0008
BGIBMGA006666	0.219	1.306	2.576	0.0199
BGIBMGA011441	0.541	3.233	2.578	0.0202
BGIBMGA014465	67.289	403.541	2.584	0.0008
BGIBMGA006296	9.729	58.519	2.589	0.0008
BGIBMGA010949	9.550	57.529	2.591	0.0008
BGIBMGA009238	0.264	1.596	2.594	0.0145
BGIBMGA014618	49.406	298.819	2.597	0.0205
BGIBMGA002944	2.050	12.421	2.599	0.0015
BGIBMGA004788	1.038	6.303	2.602	0.0008
BGIBMGA002643	17.736	107.833	2.604	0.0008
BGIBMGA009300	2.173	13.217	2.605	0.0008
BGIBMGA012283	0.151	0.923	2.610	0.0210
BGIBMGA007516	3.110	19.040	2.614	0.0008
BGIBMGA010482	2.731	16.764	2.618	0.0008
BGIBMGA006138	38.059	234.054	2.621	0.0008
BGIBMGA004868	3.352	20.634	2.622	0.0202
BGIBMGA003935	0.225	1.391	2.626	0.0183
BGIBMGA008094	6.512	40.203	2.626	0.0008
BGIBMGA001564	0.566	3.511	2.632	0.0028
BGIBMGA009942	0.151	0.938	2.633	0.0453
BGIBMGA001085	21.696	134.814	2.636	0.0008
BGIBMGA013429	1.930	11.992	2.636	0.0008
BGIBMGA009887	1.482	9.283	2.647	0.0008
BGIBMGA013938	13.007	81.549	2.648	0.0008
BGIBMGA004614	42.831	269.554	2.654	0.0163
BGIBMGA007234	2.794	17.671	2.661	0.0008
BGIBMGA002877	1.590	10.061	2.662	0.0186
BGIBMGA006018	34.286	217.399	2.665	0.0008
BGIBMGA012649	0.443	2.841	2.679	0.0212
BGIBMGA011896	1.688	10.814	2.679	0.0083
BGIBMGA009890	1.691	10.832	2.680	0.0123
BGIBMGA013299	4.932	31.699	2.684	0.0008
BGIBMGA012314	0.409	2.634	2.687	0.0334
BGIBMGA014536	2.746	17.755	2.693	0.0008
BGIBMGA006787	34.774	225.680	2.698	0.0008
BGIBMGA005663	0.791	5.140	2.700	0.0300
BGIBMGA012375	6.067	39.639	2.708	0.0008
BGIBMGA009047	74.957	490.451	2.710	0.0008
BGIBMGA001234	14.879	97.820	2.717	0.0008
BGIBMGA000185	0.147	0.968	2.721	0.0472
BGIBMGA006083	5.903	39.388	2.738	0.0008

BGIBMGA003708	4.315	28.806	2.739	0.0008
BGIBMGA012923	2.505	16.862	2.751	0.0008
BGIBMGA009781	2.806	18.924	2.754	0.0008
BGIBMGA002475	49.406	334.100	2.758	0.0008
BGIBMGA011918	0.366	2.483	2.764	0.0152
BGIBMGA008545	21.735	147.619	2.764	0.0008
BGIBMGA009775	192.747	1327.670	2.784	0.0008
BGIBMGA001419	4.775	32.972	2.788	0.0008
BGIBMGA008580	2.052	14.175	2.789	0.0320
BGIBMGA008162	34.875	241.391	2.791	0.0008
BGIBMGA009652	10.353	72.090	2.800	0.0291
BGIBMGA003626	1.031	7.206	2.805	0.0008
BGIBMGA011731	71.002	500.159	2.816	0.0008
BGIBMGA004003	2.170	15.327	2.820	0.0049
BGIBMGA002054	0.540	3.850	2.834	0.0468
BGIBMGA010226	0.681	4.856	2.835	0.0008
BGIBMGA011191	1.061	7.617	2.844	0.0008
BGIBMGA001310	2.901	20.896	2.849	0.0008
BGIBMGA013796	2.283	16.471	2.851	0.0111
BGIBMGA004845	1.109	8.054	2.860	0.0008
BGIBMGA009878	2.512	18.242	2.860	0.0453
BGIBMGA012803	4.746	34.526	2.863	0.0008
BGIBMGA011000	0.810	5.904	2.866	0.0008
BGIBMGA003866	103.581	762.542	2.880	0.0008
BGIBMGA002471	0.961	7.081	2.882	0.0015
BGIBMGA004288	3.131	23.174	2.888	0.0156
BGIBMGA002780	1.586	11.754	2.890	0.0008
BGIBMGA003123	0.595	4.445	2.902	0.0242
BGIBMGA010458	0.551	4.139	2.909	0.0186
BGIBMGA002198	23.327	175.270	2.910	0.0008
BGIBMGA003706	1.665	12.545	2.914	0.0028
BGIBMGA003654	11.938	90.321	2.920	0.0008
BGIBMGA002474	29.830	226.013	2.922	0.0008
BGIBMGA014428	4.940	37.522	2.925	0.0008
BGIBMGA001333	134.577	1026.470	2.931	0.0064
BGIBMGA006136	16.570	126.958	2.938	0.0008
BGIBMGA000060	0.489	3.766	2.944	0.0008
BGIBMGA006911	0.396	3.072	2.955	0.0008
BGIBMGA002551	9.388	72.899	2.957	0.0008
BGIBMGA000635	4.027	31.401	2.963	0.0008
BGIBMGA003171	16.489	128.616	2.964	0.0008
BGIBMGA008814	1.159	9.082	2.971	0.0119
BGIBMGA013485	0.990	7.812	2.981	0.0008
BGIBMGA001332	1.202	9.513	2.984	0.0073
BGIBMGA010014	3.917	31.129	2.990	0.0008
BGIBMGA010122	1.992	15.900	2.996	0.0008
BGIBMGA014100	9.685	77.646	3.003	0.0008
BGIBMGA014539	0.194	1.577	3.020	0.0236
BGIBMGA000411	2.140	17.363	3.021	0.0008
BGIBMGA005489	0.575	4.696	3.029	0.0393
BGIBMGA008021	1.321	10.944	3.051	0.0133
BGIBMGA010145	0.221	1.833	3.055	0.0411
BGIBMGA006315	19.161	159.266	3.055	0.0008
BGIBMGA014463	1.905	15.882	3.059	0.0008
BGIBMGA005266	16.895	141.809	3.069	0.0008
BGIBMGA004615	12.953	110.126	3.088	0.0008
BGIBMGA005353	13.784	117.273	3.089	0.0008
BGIBMGA008544	6.389	54.443	3.091	0.0008
BGIBMGA014304	0.160	1.373	3.097	0.0361
BGIBMGA004790	1.392	11.936	3.100	0.0008
BGIBMGA007429	0.582	4.990	3.101	0.0068
BGIBMGA001354	0.399	3.449	3.110	0.0466
BGIBMGA000835	7.667	66.441	3.115	0.0049

BGIBMGA002819	0.158	1.368	3.117	0.0205
BGIBMGA004294	1.797	15.632	3.121	0.0493
BGIBMGA005013	230.660	2020.610	3.131	0.0008
BGIBMGA010642	0.928	8.150	3.134	0.0008
BGIBMGA008134	13.675	120.918	3.144	0.0008
BGIBMGA004290	2.338	20.745	3.149	0.0189
BGIBMGA002876	0.194	1.752	3.172	0.0212
BGIBMGA003095	65.968	597.295	3.179	0.0008
BGIBMGA000299	0.506	4.610	3.186	0.0149
BGIBMGA001147	2.203	20.097	3.190	0.0008
BGIBMGA009407	0.997	9.120	3.193	0.0008
BGIBMGA003368	4.371	40.002	3.194	0.0008
BGIBMGA005048	0.156	1.427	3.196	0.0008
BGIBMGA004844	1.090	10.035	3.202	0.0008
BGIBMGA008776	2.778	25.608	3.204	0.0008
BGIBMGA009211	5.577	51.600	3.210	0.0022
BGIBMGA004562	7.427	69.359	3.223	0.0044
BGIBMGA009659	19.867	185.990	3.227	0.0008
BGIBMGA012371	3.896	36.637	3.233	0.0008
BGIBMGA004183	0.283	2.662	3.234	0.0107
BGIBMGA012861	2599.680	24484.800	3.235	0.0008
BGIBMGA005658	199.624	1892.510	3.245	0.0008
BGIBMGA005463	1.094	10.396	3.248	0.0271
BGIBMGA003535	1.096	10.416	3.249	0.0008
BGIBMGA011252	4.669	44.421	3.250	0.0008
BGIBMGA007754	1.406	13.462	3.259	0.0008
BGIBMGA004510	0.710	6.867	3.274	0.0103
BGIBMGA007447	0.347	3.375	3.282	0.0015
BGIBMGA008349	0.576	5.616	3.284	0.0008
BGIBMGA010013	1.128	11.067	3.295	0.0022
BGIBMGA011605	0.323	3.181	3.301	0.0271
BGIBMGA013059	2.448	24.154	3.303	0.0008
BGIBMGA007572	0.505	5.023	3.315	0.0008
BGIBMGA014047	0.607	6.044	3.316	0.0008
BGIBMGA009907	1.565	15.676	3.325	0.0008
BGIBMGA001346	2.034	20.590	3.339	0.0008
BGIBMGA002703	0.810	8.257	3.350	0.0008
BGIBMGA001003	1.409	14.453	3.358	0.0008
BGIBMGA012879	2.474	25.390	3.359	0.0049
BGIBMGA006017	3.093	32.049	3.373	0.0180
BGIBMGA011455	1.994	20.714	3.377	0.0008
BGIBMGA004002	1.529	15.939	3.382	0.0262
BGIBMGA007683	50.182	539.870	3.427	0.0008
BGIBMGA001601	0.489	5.272	3.430	0.0305
BGIBMGA012120	2.725	29.395	3.431	0.0008
BGIBMGA000457	2.713	29.393	3.438	0.0008
BGIBMGA013421	14.187	153.719	3.438	0.0008
BGIBMGA009446	0.901	9.815	3.445	0.0323
BGIBMGA012698	0.209	2.315	3.471	0.0115
BGIBMGA012579	0.299	3.327	3.477	0.0133
BGIBMGA005614	0.866	9.729	3.490	0.0008
BGIBMGA008205	7.653	86.387	3.497	0.0008
BGIBMGA006991	5.485	64.175	3.548	0.0008
BGIBMGA010240	1.923	22.566	3.553	0.0008
BGIBMGA009691	0.546	6.467	3.566	0.0015
BGIBMGA013098	6.873	81.643	3.570	0.0008
BGIBMGA010977	0.764	9.098	3.575	0.0083
BGIBMGA001573	0.982	11.854	3.594	0.0008
BGIBMGA007752	0.543	6.570	3.598	0.0224
BGIBMGA001056	1.053	12.863	3.611	0.0008
BGIBMGA007818	1.140	14.006	3.618	0.0123
BGIBMGA007596	0.434	5.357	3.627	0.0087
BGIBMGA005378	0.338	4.182	3.629	0.0470

BGIBMGA012226	0.645	8.052	3.643	0.0008
BGIBMGA014278	5.158	64.733	3.650	0.0008
BGIBMGA014422	0.161	2.019	3.652	0.0008
BGIBMGA011726	46.615	596.096	3.677	0.0008
BGIBMGA001058	5.488	70.294	3.679	0.0015
BGIBMGA003342	1.550	19.915	3.684	0.0039
BGIBMGA013629	5.337	69.094	3.694	0.0008
BGIBMGA002314	0.369	4.783	3.695	0.0320
BGIBMGA010850	0.225	2.913	3.697	0.0015
BGIBMGA000202	29.792	388.280	3.704	0.0008
BGIBMGA011758	1.016	13.398	3.721	0.0008
BGIBMGA009544	20.755	274.374	3.725	0.0008
BGIBMGA004276	16.236	220.699	3.765	0.0008
BGIBMGA001422	0.269	3.658	3.766	0.0464
BGIBMGA000693	0.123	1.690	3.776	0.0044
BGIBMGA013778	29.560	412.933	3.804	0.0028
BGIBMGA004938	0.238	3.330	3.806	0.0103
BGIBMGA005572	0.154	2.194	3.832	0.0312
BGIBMGA002558	3.189	45.665	3.840	0.0008
BGIBMGA003860	0.443	6.573	3.893	0.0149
BGIBMGA004841	1.705	25.361	3.895	0.0100
BGIBMGA005244	0.528	7.903	3.903	0.0091
BGIBMGA005784	5.874	88.430	3.912	0.0008
BGIBMGA008976	3.403	52.427	3.945	0.0008
BGIBMGA013242	10.453	161.330	3.948	0.0008
BGIBMGA002187	2.350	36.442	3.955	0.0008
BGIBMGA014190	0.737	11.463	3.959	0.0008
BGIBMGA000470	0.337	5.239	3.960	0.0073
BGIBMGA009178	0.490	7.698	3.974	0.0008
BGIBMGA005695	47.323	748.478	3.983	0.0008
BGIBMGA008835	1.066	17.071	4.001	0.0008
BGIBMGA000265	0.417	6.699	4.005	0.0195
BGIBMGA010486	2.360	38.209	4.017	0.0008
BGIBMGA000649	1.202	19.579	4.026	0.0189
BGIBMGA004006	2.191	35.983	4.038	0.0008
BGIBMGA003296	0.413	6.822	4.046	0.0130
BGIBMGA001974	0.154	2.629	4.097	0.0215
BGIBMGA011002	0.434	7.464	4.103	0.0068
BGIBMGA010339	0.794	13.694	4.108	0.0008
BGIBMGA009461	0.195	3.422	4.130	0.0210
BGIBMGA011668	0.895	15.669	4.131	0.0103
BGIBMGA012756	0.151	2.639	4.131	0.0166
BGIBMGA006775	343.742	6059.440	4.140	0.0008
BGIBMGA011725	1.099	19.849	4.175	0.0015
BGIBMGA004209	1.284	23.723	4.207	0.0008
BGIBMGA003680	0.428	8.135	4.248	0.0015
BGIBMGA005787	3.707	71.664	4.273	0.0008
BGIBMGA011378	0.123	2.379	4.276	0.0123
BGIBMGA008161	17.347	336.148	4.276	0.0008
BGIBMGA008422	4.785	92.910	4.279	0.0008
BGIBMGA007307	1.022	19.960	4.287	0.0305
BGIBMGA000807	0.708	13.986	4.304	0.0008
BGIBMGA003249	6.228	123.648	4.311	0.0008
BGIBMGA004404	2.755	54.943	4.318	0.0008
BGIBMGA003014	36.854	736.780	4.321	0.0008
BGIBMGA009692	0.365	7.377	4.335	0.0202
BGIBMGA012866	105.317	2127.360	4.336	0.0008
BGIBMGA012324	0.101	2.052	4.339	0.0212
BGIBMGA004156	0.484	9.804	4.342	0.0008
BGIBMGA001013	0.613	12.428	4.342	0.0008
BGIBMGA006308	0.430	8.763	4.350	0.0008
BGIBMGA001942	0.370	7.587	4.359	0.0008
BGIBMGA007527	0.435	9.074	4.382	0.0305

BGIBMGA010741	0.605	12.738	4.397	0.0008
BGIBMGA000895	0.605	13.116	4.438	0.0008
BGIBMGA005192	0.413	9.022	4.449	0.0484
BGIBMGA011923	0.049	1.081	4.451	0.0451
BGIBMGA000755	1.715	38.318	4.482	0.0008
BGIBMGA008736	41.590	937.183	4.494	0.0008
BGIBMGA001012	0.250	5.706	4.514	0.0008
BGIBMGA000269	0.200	4.703	4.554	0.0212
BGIBMGA004280	27.744	664.970	4.583	0.0008
BGIBMGA000325	6.809	163.422	4.585	0.0008
BGIBMGA005632	0.143	3.426	4.587	0.0059
BGIBMGA003277	0.050	1.206	4.601	0.0049
BGIBMGA002774	0.442	10.805	4.611	0.0312
BGIBMGA004683	3.753	93.939	4.646	0.0008
BGIBMGA014380	1.029	26.569	4.690	0.0008
BGIBMGA004457	1.009	26.180	4.698	0.0028
BGIBMGA009415	0.635	16.946	4.738	0.0008
BGIBMGA007533	0.152	4.057	4.741	0.0344
BGIBMGA005215	0.618	16.983	4.780	0.0015
BGIBMGA014381	1.334	37.358	4.807	0.0008
BGIBMGA003724	0.409	12.031	4.878	0.0008
BGIBMGA003947	0.120	3.625	4.912	0.0039
BGIBMGA000439	0.612	18.650	4.930	0.0028
BGIBMGA000005	2.240	69.185	4.949	0.0008
BGIBMGA003889	0.328	10.429	4.989	0.0262
BGIBMGA007968	0.813	26.076	5.002	0.0008
BGIBMGA008146	1.807	58.496	5.016	0.0008
BGIBMGA013452	1.263	43.277	5.098	0.0008
BGIBMGA007015	0.988	35.271	5.157	0.0152
BGIBMGA002056	2.164	77.577	5.164	0.0008
BGIBMGA004044	2.466	89.148	5.176	0.0033
BGIBMGA004005	1.343	48.572	5.176	0.0008
BGIBMGA004521	0.295	11.013	5.220	0.0100
BGIBMGA011116	1.195	44.686	5.224	0.0008
BGIBMGA006982	0.146	5.568	5.253	0.0328
BGIBMGA001163	0.280	10.907	5.285	0.0328
BGIBMGA012714	0.303	12.071	5.315	0.0033
BGIBMGA000465	0.195	7.985	5.354	0.0064
BGIBMGA010769	0.203	8.328	5.362	0.0008
BGIBMGA008333	11.496	481.050	5.387	0.0008
BGIBMGA000878	0.129	5.471	5.409	0.0059
BGIBMGA006165	0.832	35.955	5.433	0.0103
BGIBMGA007809	0.448	19.950	5.476	0.0022
BGIBMGA004395	0.490	22.233	5.502	0.0279
BGIBMGA009197	0.151	7.128	5.559	0.0328
BGIBMGA009226	0.422	20.756	5.619	0.0312
BGIBMGA004396	0.631	31.136	5.624	0.0127
BGIBMGA000377	0.907	45.446	5.647	0.0166
BGIBMGA012238	0.644	34.069	5.726	0.0008
BGIBMGA013229	0.142	7.540	5.728	0.0262
BGIBMGA012783	0.158	8.559	5.758	0.0028
BGIBMGA008174	6.781	374.655	5.788	0.0008
BGIBMGA006586	0.169	9.405	5.800	0.0361
BGIBMGA013936	0.169	9.484	5.812	0.0413
BGIBMGA004051	0.176	9.980	5.827	0.0141
BGIBMGA014545	0.069	3.983	5.856	0.0015
BGIBMGA011729	17.716	1031.370	5.863	0.0008
BGIBMGA002883	0.102	6.219	5.929	0.0462
BGIBMGA005795	0.552	34.820	5.978	0.0008
BGIBMGA003969	2.419	163.955	6.083	0.0028
BGIBMGA011730	55.908	3943.870	6.140	0.0008
BGIBMGA009666	0.081	5.727	6.149	0.0008
BGIBMGA013766	0.651	47.481	6.190	0.0137

BGIBMGA006313	0.134	10.136	6.243	0.0328
BGIBMGA013991	7.947	695.603	6.452	0.0008
BGIBMGA001374	0.413	37.191	6.494	0.0059
BGIBMGA005073	0.490	46.868	6.580	0.0328
BGIBMGA010483	2.651	256.568	6.597	0.0008
BGIBMGA006152	0.136	13.537	6.632	0.0189
BGIBMGA005330	0.097	9.922	6.682	0.0462
BGIBMGA000272	0.505	54.286	6.749	0.0008
BGIBMGA009782	0.137	14.826	6.753	0.0394
BGIBMGA004665	0.592	71.625	6.918	0.0212
BGIBMGA006501	0.126	15.450	6.935	0.0008
BGIBMGA003577	0.660	83.946	6.991	0.0103
BGIBMGA008037	0.186	25.789	7.112	0.0262
BGIBMGA010039	0.897	139.493	7.280	0.0137
BGIBMGA013286	0.423	68.744	7.343	0.0008
BGIBMGA000712	0.116	19.068	7.362	0.0394
BGIBMGA006089	0.340	59.975	7.464	0.0083
BGIBMGA009646	0.369	66.971	7.505	0.0133
BGIBMGA007317	0.274	53.645	7.613	0.0022
BGIBMGA007987	6.103	1281.330	7.714	0.0008
BGIBMGA004603	0.169	37.791	7.801	0.0265
BGIBMGA011119	0.155	35.577	7.839	0.0008
BGIBMGA010274	0.244	57.339	7.879	0.0305
BGIBMGA009714	7.905	2037.230	8.010	0.0008
BGIBMGA011728	1.480	392.445	8.050	0.0008
BGIBMGA006116	0.112	30.750	8.107	0.0413
BGIBMGA009061	0.205	62.318	8.246	0.0039
BGIBMGA008735	0.144	47.623	8.369	0.0236
BGIBMGA013360	0.186	62.021	8.383	0.0137
BGIBMGA006643	0.045	17.958	8.634	0.0317
BGIBMGA003452	0.426	254.217	9.221	0.0015
BGIBMGA003442	0.756	677.980	9.809	0.0008
BGIBMGA004681	0.076	133.302	10.774	0.0212
BGIBMGA009393	0.511	979.856	10.905	0.0073
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BGIBMGA008602	71.085	0.102	-9.446	0.0008
BGIBMGA002715	6744.330	46.806	-7.171	0.0008
BGIBMGA002564	3889.410	30.416	-6.999	0.0008
BGIBMGA002725	593.504	9.236	-6.006	0.0008
BGIBMGA013301	2935.130	110.203	-4.735	0.0008
BGIBMGA000247	24.699	0.936	-4.722	0.0195
BGIBMGA004073	194.777	8.107	-4.587	0.0033
BGIBMGA010812	9.815	0.463	-4.406	0.0039
BGIBMGA002924	6.855	0.336	-4.350	0.0068
BGIBMGA004040	611.488	31.051	-4.300	0.0008
BGIBMGA008860	215.210	11.448	-4.233	0.0008
BGIBMGA013009	12.837	0.698	-4.200	0.0008
BGIBMGA008287	11.279	0.700	-4.010	0.0008
BGIBMGA005259	29.691	1.868	-3.991	0.0008
BGIBMGA002131	1.714	0.109	-3.972	0.0166
BGIBMGA005187	8.328	0.543	-3.939	0.0033
BGIBMGA011203	88.403	5.927	-3.899	0.0008
BGIBMGA000319	11.778	0.814	-3.855	0.0008
BGIBMGA002562	124.764	8.766	-3.831	0.0008
BGIBMGA004467	46.559	3.305	-3.816	0.0008
BGIBMGA002563	330.418	23.653	-3.804	0.0008
BGIBMGA009801	132.241	9.755	-3.761	0.0008
BGIBMGA013445	28.642	2.144	-3.740	0.0008
BGIBMGA008255	23297.900	1823.790	-3.675	0.0008
BGIBMGA002561	1006.990	79.220	-3.668	0.0008
BGIBMGA000520	27.266	2.173	-3.649	0.0008
BGIBMGA004451	322.327	25.948	-3.635	0.0008
BGIBMGA010732	5.329	0.429	-3.634	0.0242

BGIBMGA011587	6.225	0.522	-3.575	0.0008
BGIBMGA014292	9625.420	890.886	-3.434	0.0008
BGIBMGA014549	5.341	0.504	-3.407	0.0453
BGIBMGA003270	138.416	13.303	-3.379	0.0008
BGIBMGA011766	1364.900	134.259	-3.346	0.0008
BGIBMGA012637	7.565	0.746	-3.343	0.0015
BGIBMGA006406	38.226	3.808	-3.328	0.0008
BGIBMGA005609	3.434	0.350	-3.296	0.0186
BGIBMGA006874	261.687	28.750	-3.186	0.0008
BGIBMGA008029	341.950	37.716	-3.181	0.0008
BGIBMGA005710	14.298	1.654	-3.112	0.0059
BGIBMGA000590	235.790	27.319	-3.110	0.0008
BGIBMGA010681	610.297	70.943	-3.105	0.0008
BGIBMGA014201	247.340	28.879	-3.098	0.0008
BGIBMGA002704	27.711	3.250	-3.092	0.0008
BGIBMGA005808	91.697	10.762	-3.091	0.0008
BGIBMGA001164	985.205	117.625	-3.066	0.0008
BGIBMGA012521	138.025	16.512	-3.063	0.0008
BGIBMGA007065	6.246	0.785	-2.991	0.0015
BGIBMGA007043	364.239	47.776	-2.931	0.0100
BGIBMGA013278	31.215	4.187	-2.898	0.0199
BGIBMGA008526	50.134	6.770	-2.889	0.0008
BGIBMGA001098	13.670	1.890	-2.855	0.0008
BGIBMGA003895	1.462	0.203	-2.852	0.0145
BGIBMGA004114	54.360	7.543	-2.849	0.0033
BGIBMGA010948	40.519	5.678	-2.835	0.0008
BGIBMGA011201	8.142	1.147	-2.828	0.0033
BGIBMGA003333	65.730	9.476	-2.794	0.0008
BGIBMGA013078	38.524	5.651	-2.769	0.0022
BGIBMGA009951	12.535	1.856	-2.756	0.0133
BGIBMGA007208	0.899	0.135	-2.740	0.0039
BGIBMGA004387	56.480	8.507	-2.731	0.0008
BGIBMGA007899	941.079	142.624	-2.722	0.0008
BGIBMGA013655	17.309	2.656	-2.704	0.0008
BGIBMGA004474	10.396	1.613	-2.688	0.0156
BGIBMGA005826	59.857	9.320	-2.683	0.0186
BGIBMGA012766	150.347	23.524	-2.676	0.0022
BGIBMGA011217	24.667	3.863	-2.675	0.0008
BGIBMGA000856	35.931	5.785	-2.635	0.0008
BGIBMGA013015	38.949	6.295	-2.629	0.0039
BGIBMGA004725	560.849	90.802	-2.627	0.0133
BGIBMGA011723	20.242	3.298	-2.618	0.0189
BGIBMGA000347	18.752	3.066	-2.613	0.0008
BGIBMGA008440	1.746	0.287	-2.604	0.0177
BGIBMGA005471	9.158	1.507	-2.604	0.0008
BGIBMGA000333	24727.100	4073.620	-2.602	0.0049
BGIBMGA013646	90.146	15.206	-2.568	0.0008
BGIBMGA000988	24.540	4.160	-2.560	0.0008
BGIBMGA000329	19875.000	3396.540	-2.549	0.0159
BGIBMGA008362	7.509	1.283	-2.549	0.0078
BGIBMGA003524	1692.350	295.281	-2.519	0.0008
BGIBMGA002430	9.307	1.640	-2.505	0.0008
BGIBMGA013816	46.921	8.410	-2.480	0.0008
BGIBMGA008831	118.924	21.378	-2.476	0.0008
BGIBMGA000044	3.655	0.663	-2.463	0.0349
BGIBMGA013261	221.325	40.357	-2.455	0.0008
BGIBMGA010678	13.279	2.422	-2.455	0.0186
BGIBMGA008254	18.159	3.323	-2.450	0.0359
BGIBMGA008320	2.737	0.501	-2.449	0.0133
BGIBMGA000028	10.408	1.917	-2.441	0.0008
BGIBMGA002849	9.489	1.753	-2.437	0.0008
BGIBMGA000388	250.261	46.986	-2.413	0.0008
BGIBMGA000341	9771.680	1836.160	-2.412	0.0015

BGIBMGA000246	8.939	1.687	-2.406	0.0365
BGIBMGA013191	6.692	1.269	-2.399	0.0096
BGIBMGA000068	298.609	56.707	-2.397	0.0210
BGIBMGA005724	339.150	64.718	-2.390	0.0008
BGIBMGA001694	8.423	1.630	-2.370	0.0008
BGIBMGA013372	7.219	1.407	-2.359	0.0189
BGIBMGA014189	11.807	2.305	-2.357	0.0328
BGIBMGA005195	2.832	0.557	-2.346	0.0078
BGIBMGA008579	19.539	3.866	-2.337	0.0008
BGIBMGA001891	2.617	0.518	-2.336	0.0233
BGIBMGA007947	337.117	69.504	-2.278	0.0015
BGIBMGA006274	6.652	1.372	-2.278	0.0008
BGIBMGA014622	2.510	0.518	-2.277	0.0212
BGIBMGA003572	104.106	21.570	-2.271	0.0008
BGIBMGA000896	22.222	4.614	-2.268	0.0008
BGIBMGA004397	209.112	43.680	-2.259	0.0028
BGIBMGA007901	157.433	33.205	-2.245	0.0008
BGIBMGA014511	156.046	32.949	-2.244	0.0346
BGIBMGA001146	6.593	1.399	-2.236	0.0177
BGIBMGA013482	64.501	13.799	-2.225	0.0078
BGIBMGA008827	269.938	58.636	-2.203	0.0349
BGIBMGA009467	154.072	33.659	-2.195	0.0008
BGIBMGA007046	2.537	0.555	-2.191	0.0328
BGIBMGA002541	3.290	0.733	-2.166	0.0215
BGIBMGA000932	10.921	2.438	-2.164	0.0008
BGIBMGA001862	35753.700	7993.090	-2.161	0.0078
BGIBMGA010888	322.200	72.273	-2.156	0.0008
BGIBMGA002210	5.277	1.185	-2.154	0.0059
BGIBMGA014198	619.893	139.575	-2.151	0.0382
BGIBMGA011456	301.451	68.595	-2.136	0.0033
BGIBMGA013708	15.022	3.431	-2.131	0.0103
BGIBMGA005899	125.057	28.677	-2.125	0.0008
BGIBMGA000402	42.977	9.866	-2.123	0.0008
BGIBMGA005680	8.347	1.929	-2.113	0.0033
BGIBMGA013353	4.086	0.945	-2.112	0.0289
BGIBMGA010429	4.022	0.932	-2.109	0.0107
BGIBMGA006905	129.273	29.970	-2.109	0.0107
BGIBMGA011128	1090.410	253.463	-2.105	0.0008
BGIBMGA012839	85.376	20.065	-2.089	0.0180
BGIBMGA004205	48.179	11.332	-2.088	0.0008
BGIBMGA008859	5.968	1.412	-2.080	0.0245
BGIBMGA007424	24.472	5.849	-2.065	0.0008
BGIBMGA001825	33.832	8.172	-2.050	0.0137
BGIBMGA013244	802.491	194.067	-2.048	0.0022
BGIBMGA007425	113.958	27.639	-2.044	0.0008
BGIBMGA002546	8.558	2.107	-2.022	0.0359
BGIBMGA006683	21.129	5.208	-2.020	0.0049
BGIBMGA003679	7.525	1.858	-2.018	0.0008
BGIBMGA004476	119.975	30.027	-1.998	0.0091
BGIBMGA007256	257.519	64.504	-1.997	0.0008
BGIBMGA000337	24.919	6.294	-1.985	0.0115
BGIBMGA003547	5.183	1.317	-1.977	0.0247
BGIBMGA007656	110.911	28.312	-1.970	0.0008
BGIBMGA014510	23.492	6.070	-1.952	0.0115
BGIBMGA003349	5.941	1.541	-1.947	0.0028
BGIBMGA001338	70.361	18.259	-1.946	0.0008
BGIBMGA012526	349.682	91.262	-1.938	0.0008
BGIBMGA008910	26.901	7.025	-1.937	0.0073
BGIBMGA010403	457.220	119.486	-1.936	0.0044
BGIBMGA008990	7.156	1.871	-1.935	0.0349
BGIBMGA005493	875.641	229.992	-1.929	0.0033
BGIBMGA012346	3.435	0.908	-1.920	0.0411
BGIBMGA008439	11.763	3.111	-1.919	0.0294

BGIBMGA002576	12.740	3.370	-1.919	0.0096
BGIBMGA013006	9.948	2.635	-1.917	0.0033
BGIBMGA006707	5.108	1.356	-1.914	0.0096
BGIBMGA013483	32.616	8.697	-1.907	0.0303
BGIBMGA007586	95.184	25.554	-1.897	0.0008
BGIBMGA005281	2.490	0.671	-1.891	0.0212
BGIBMGA007767	81.012	22.047	-1.878	0.0008
BGIBMGA001803	27.955	7.686	-1.863	0.0091
BGIBMGA000527	16.752	4.609	-1.862	0.0123
BGIBMGA005482	46.319	12.789	-1.857	0.0008
BGIBMGA005814	59.781	16.559	-1.852	0.0044
BGIBMGA013018	15.024	4.176	-1.847	0.0212
BGIBMGA003717	79.768	22.191	-1.846	0.0039
BGIBMGA010621	25.771	7.194	-1.841	0.0033
BGIBMGA006032	883.877	249.306	-1.826	0.0028
BGIBMGA006943	6.696	1.893	-1.823	0.0096
BGIBMGA002629	366.552	103.718	-1.821	0.0064
BGIBMGA012133	63.377	18.012	-1.815	0.0054
BGIBMGA003065	7.945	2.262	-1.812	0.0262
BGIBMGA009160	17.785	5.070	-1.811	0.0039
BGIBMGA004452	85.102	24.310	-1.808	0.0033
BGIBMGA004001	15.375	4.398	-1.806	0.0078
BGIBMGA003592	2782.450	800.034	-1.798	0.0008
BGIBMGA014469	5.549	1.599	-1.795	0.0210
BGIBMGA004878	4.498	1.297	-1.794	0.0230
BGIBMGA010409	3515.660	1014.350	-1.793	0.0078
BGIBMGA006115	370.147	106.938	-1.791	0.0039
BGIBMGA012773	59.080	17.207	-1.780	0.0015
BGIBMGA004130	60.149	17.588	-1.774	0.0233
BGIBMGA010920	5.753	1.682	-1.774	0.0411
BGIBMGA005042	115.208	33.980	-1.761	0.0064
BGIBMGA007553	29.110	8.593	-1.760	0.0149
BGIBMGA002508	462.254	136.853	-1.756	0.0008
BGIBMGA006176	53.919	16.062	-1.747	0.0028
BGIBMGA005442	109.825	32.954	-1.737	0.0186
BGIBMGA009675	15.355	4.632	-1.729	0.0152
BGIBMGA011399	4091.080	1236.670	-1.726	0.0008
BGIBMGA003160	97.150	29.483	-1.720	0.0008
BGIBMGA008152	6.923	2.117	-1.710	0.0212
BGIBMGA004243	33.700	10.313	-1.708	0.0215
BGIBMGA012863	4.055	1.243	-1.706	0.0376
BGIBMGA014453	186.284	57.252	-1.702	0.0227
BGIBMGA000305	24.743	7.624	-1.698	0.0044
BGIBMGA010717	4.679	1.442	-1.698	0.0346
BGIBMGA006371	90.749	27.983	-1.697	0.0044
BGIBMGA005908	102.524	31.640	-1.696	0.0008
BGIBMGA009063	256.314	79.200	-1.694	0.0059
BGIBMGA003210	2.685	0.834	-1.687	0.0291
BGIBMGA007187	28.138	8.757	-1.684	0.0054
BGIBMGA009614	1135.460	354.062	-1.681	0.0044
BGIBMGA004695	270.238	84.651	-1.675	0.0218
BGIBMGA008355	169.940	53.668	-1.663	0.0044
BGIBMGA006073	510.196	161.707	-1.658	0.0087
BGIBMGA013510	57.218	18.169	-1.655	0.0183
BGIBMGA000587	1.898	0.604	-1.653	0.0300
BGIBMGA010976	10.012	3.200	-1.646	0.0489
BGIBMGA006144	21.685	6.934	-1.645	0.0022
BGIBMGA004000	147.449	47.543	-1.633	0.0277
BGIBMGA013280	10.982	3.548	-1.630	0.0174
BGIBMGA011461	23.038	7.447	-1.629	0.0054
BGIBMGA000324	17434.000	5654.290	-1.624	0.0247
BGIBMGA008153	18.388	5.972	-1.622	0.0253
BGIBMGA008433	38.810	12.701	-1.611	0.0083

BGIBMGA003660	189.809	62.429	-1.604	0.0212
BGIBMGA002755	90.250	29.834	-1.597	0.0044
BGIBMGA000418	239.800	79.453	-1.594	0.0028
BGIBMGA001176	76.887	25.513	-1.591	0.0163
BGIBMGA008934	22.628	7.527	-1.588	0.0049
BGIBMGA012122	39.573	13.168	-1.587	0.0033
BGIBMGA005701	132.410	44.172	-1.584	0.0059
BGIBMGA011047	137.931	46.050	-1.583	0.0015
BGIBMGA011573	3592.360	1202.400	-1.579	0.0111
BGIBMGA005882	26.281	8.804	-1.578	0.0383
BGIBMGA003719	197.919	66.336	-1.577	0.0119
BGIBMGA008064	76.890	25.967	-1.566	0.0431
BGIBMGA000738	121.246	40.966	-1.565	0.0049
BGIBMGA006662	35.235	11.937	-1.562	0.0279
BGIBMGA000910	45.025	15.332	-1.554	0.0054
BGIBMGA004041	3616.730	1235.480	-1.550	0.0224
BGIBMGA007950	386.678	132.492	-1.545	0.0391
BGIBMGA005812	7159.690	2457.350	-1.543	0.0312
BGIBMGA014057	42.734	14.669	-1.543	0.0028
BGIBMGA010294	42.002	14.451	-1.539	0.0212
BGIBMGA003112	163.321	56.227	-1.538	0.0317
BGIBMGA011084	4.407	1.519	-1.537	0.0039
BGIBMGA004793	547.571	189.325	-1.532	0.0130
BGIBMGA007681	310.176	107.496	-1.529	0.0111
BGIBMGA000065	8.226	2.853	-1.528	0.0315
BGIBMGA005203	24.511	8.517	-1.525	0.0039
BGIBMGA000559	447.924	156.137	-1.520	0.0317
BGIBMGA012203	596.379	208.119	-1.519	0.0039
BGIBMGA012859	168.043	58.689	-1.518	0.0250
BGIBMGA012948	61.235	21.389	-1.517	0.0049
BGIBMGA009184	2541.690	889.544	-1.515	0.0326
BGIBMGA006933	9.626	3.374	-1.512	0.0444
BGIBMGA002746	20.180	7.090	-1.509	0.0472
BGIBMGA006523	118.767	41.733	-1.509	0.0199
BGIBMGA012336	250.461	88.010	-1.509	0.0137
BGIBMGA005156	78.552	27.665	-1.506	0.0087
BGIBMGA010597	2.535	0.895	-1.503	0.0174
BGIBMGA003591	1048.210	370.878	-1.499	0.0059
BGIBMGA005500	57.715	20.516	-1.492	0.0371
BGIBMGA006509	24.790	8.813	-1.492	0.0177
BGIBMGA004221	135.448	48.276	-1.488	0.0100
BGIBMGA012019	52.756	18.814	-1.488	0.0174
BGIBMGA005966	48.247	17.258	-1.483	0.0239
BGIBMGA009800	46.339	16.600	-1.481	0.0310
BGIBMGA004663	24.544	8.807	-1.479	0.0103
BGIBMGA009959	438.606	157.426	-1.478	0.0119
BGIBMGA013021	1474.680	529.443	-1.478	0.0458
BGIBMGA000339	56.232	20.299	-1.470	0.0033
BGIBMGA012831	1372.620	495.794	-1.469	0.0274
BGIBMGA004074	5219.650	1885.880	-1.469	0.0133
BGIBMGA002573	26.850	9.703	-1.468	0.0111
BGIBMGA009043	226.874	82.103	-1.466	0.0152
BGIBMGA002713	468.225	169.999	-1.462	0.0068
BGIBMGA014303	49.979	18.190	-1.458	0.0218
BGIBMGA001275	52.425	19.102	-1.457	0.0312
BGIBMGA008072	287.684	104.955	-1.455	0.0091
BGIBMGA011314	37.633	13.805	-1.447	0.0068
BGIBMGA002655	8.052	2.955	-1.446	0.0480
BGIBMGA012191	41.812	15.368	-1.444	0.0100
BGIBMGA002501	32.878	12.144	-1.437	0.0433
BGIBMGA007286	461.727	170.766	-1.435	0.0497
BGIBMGA012558	9.444	3.509	-1.428	0.0152
BGIBMGA000475	731.294	271.753	-1.428	0.0222

BGIBMGA003321	9.172	3.413	-1.426	0.0180
BGIBMGA013243	48.010	17.881	-1.425	0.0247
BGIBMGA010041	126.347	47.280	-1.418	0.0059
BGIBMGA012045	384.983	144.097	-1.418	0.0308
BGIBMGA007151	8.235	3.093	-1.413	0.0250
BGIBMGA014337	30.173	11.336	-1.412	0.0163
BGIBMGA007098	340.113	128.167	-1.408	0.0123
BGIBMGA002898	77.134	29.087	-1.407	0.0356
BGIBMGA013916	48.673	18.390	-1.404	0.0137
BGIBMGA011237	101.695	38.554	-1.399	0.0091
BGIBMGA014139	7.281	2.770	-1.394	0.0152
BGIBMGA009595	36.357	13.848	-1.393	0.0149
BGIBMGA012075	19.218	7.352	-1.386	0.0437
BGIBMGA005162	24.035	9.202	-1.385	0.0279
BGIBMGA014087	605.432	231.945	-1.384	0.0149
BGIBMGA010070	52.519	20.133	-1.383	0.0202
BGIBMGA011908	7.420	2.854	-1.378	0.0222
BGIBMGA011219	5.713	2.198	-1.378	0.0283
BGIBMGA002211	102.661	39.520	-1.377	0.0464
BGIBMGA001959	318.974	122.868	-1.376	0.0398
BGIBMGA012931	96.433	37.372	-1.368	0.0205
BGIBMGA013435	9.068	3.514	-1.368	0.0482
BGIBMGA007453	132.888	51.532	-1.367	0.0177
BGIBMGA007451	170.055	65.972	-1.366	0.0245
BGIBMGA010544	616.948	240.212	-1.361	0.0344
BGIBMGA002406	135.618	52.835	-1.360	0.0159
BGIBMGA012594	173.834	67.728	-1.360	0.0130
BGIBMGA011599	161.928	63.315	-1.355	0.0159
BGIBMGA002580	67.365	26.341	-1.355	0.0315
BGIBMGA006771	40.125	15.696	-1.354	0.0446
BGIBMGA002814	327.663	128.450	-1.351	0.0294
BGIBMGA002034	1.637	0.642	-1.350	0.0236
BGIBMGA001648	46.239	18.149	-1.349	0.0208
BGIBMGA009220	33.264	13.109	-1.343	0.0323
BGIBMGA001185	22.494	8.874	-1.342	0.0210
BGIBMGA003049	70.311	27.787	-1.339	0.0130
BGIBMGA004024	196.816	77.954	-1.336	0.0152
BGIBMGA010464	390.606	154.818	-1.335	0.0127
BGIBMGA001136	286.506	113.654	-1.334	0.0224
BGIBMGA004147	18.438	7.319	-1.333	0.0189
BGIBMGA002574	52.159	20.763	-1.329	0.0159
BGIBMGA004210	37.941	15.121	-1.327	0.0174
BGIBMGA009554	100.098	39.939	-1.326	0.0174
BGIBMGA002581	51.684	20.663	-1.323	0.0208
BGIBMGA011028	9.142	3.657	-1.322	0.0177
BGIBMGA002650	75.753	30.311	-1.321	0.0407
BGIBMGA007720	406.230	163.220	-1.315	0.0460
BGIBMGA008441	41.207	16.589	-1.313	0.0401
BGIBMGA001490	170.452	68.656	-1.312	0.0107
BGIBMGA010495	21.433	8.634	-1.312	0.0305
BGIBMGA007450	93.155	37.668	-1.306	0.0245
BGIBMGA010566	114.386	46.263	-1.306	0.0195
BGIBMGA013895	34.901	14.131	-1.304	0.0208
BGIBMGA002593	645.214	262.281	-1.299	0.0230
BGIBMGA012632	201.133	81.912	-1.296	0.0210
BGIBMGA010361	146.450	59.739	-1.294	0.0268
BGIBMGA001842	76.117	31.155	-1.289	0.0208
BGIBMGA003840	203.216	83.195	-1.288	0.0363
BGIBMGA005664	382.361	157.388	-1.281	0.0376
BGIBMGA012031	55.928	23.028	-1.280	0.0365
BGIBMGA005328	153.564	63.303	-1.279	0.0133
BGIBMGA000741	80.125	33.091	-1.276	0.0227
BGIBMGA012505	56.447	23.314	-1.276	0.0342

BGIBMGA005799	20.306	8.390	-1.275	0.0373
BGIBMGA011550	170.782	70.943	-1.267	0.0205
BGIBMGA007393	137.928	57.307	-1.267	0.0283
BGIBMGA011707	43.548	18.110	-1.266	0.0247
BGIBMGA010723	149.574	62.279	-1.264	0.0497
BGIBMGA011742	170.034	70.902	-1.262	0.0386
BGIBMGA003519	57.411	24.081	-1.253	0.0277
BGIBMGA005878	28.573	11.999	-1.252	0.0394
BGIBMGA005977	245.606	103.168	-1.251	0.0331
BGIBMGA003279	15.704	6.643	-1.241	0.0253
BGIBMGA001241	36.198	15.321	-1.240	0.0208
BGIBMGA006848	20.318	8.616	-1.238	0.0156
BGIBMGA013917	18.755	7.986	-1.232	0.0336
BGIBMGA010423	524.114	224.678	-1.222	0.0410
BGIBMGA003655	78.321	33.582	-1.222	0.0448
BGIBMGA011607	88.588	37.992	-1.221	0.0344

BGIBMGA013891	43.823	18.800	-1.221	0.0268
BGIBMGA003259	25.612	11.014	-1.217	0.0291
BGIBMGA014049	12.572	5.416	-1.215	0.0331
BGIBMGA006813	16.528	7.125	-1.214	0.0305
BGIBMGA007571	38.976	16.805	-1.214	0.0224
BGIBMGA009181	41.518	17.904	-1.213	0.0215
BGIBMGA001084	61.903	26.718	-1.212	0.0305
BGIBMGA000104	80.281	34.699	-1.210	0.0257
BGIBMGA002639	87.900	37.998	-1.210	0.0491
BGIBMGA004949	17.812	7.752	-1.200	0.0242
BGIBMGA003152	17.840	7.776	-1.198	0.0470
BGIBMGA013364	49.965	21.817	-1.195	0.0388
BGIBMGA007829	18.533	8.108	-1.193	0.0448
BGIBMGA001126	62.085	27.171	-1.192	0.0257
BGIBMGA005559	212.671	93.076	-1.192	0.0497
BGIBMGA007082	56.041	24.527	-1.192	0.0410
BGIBMGA013449	561.865	246.096	-1.191	0.0186
BGIBMGA003155	73.981	32.507	-1.186	0.0305
BGIBMGA001219	19.355	8.513	-1.185	0.0466
BGIBMGA011511	24.404	10.761	-1.181	0.0346
BGIBMGA012570	22.448	9.905	-1.180	0.0493
BGIBMGA006269	48.207	21.282	-1.180	0.0297
BGIBMGA012298	169.361	74.826	-1.178	0.0336
BGIBMGA006919	80.016	35.404	-1.176	0.0286
BGIBMGA009355	115.767	51.302	-1.174	0.0371
BGIBMGA004023	47.750	21.162	-1.174	0.0383
BGIBMGA013273	53.507	23.720	-1.174	0.0339
BGIBMGA002640	325.421	144.488	-1.171	0.0491
BGIBMGA003301	578.258	256.844	-1.171	0.0499
BGIBMGA000946	4.929	2.192	-1.169	0.0491
BGIBMGA010309	33.185	14.760	-1.169	0.0497
BGIBMGA000623	4.568	2.034	-1.167	0.0493
BGIBMGA004865	201.950	89.952	-1.167	0.0460
BGIBMGA002651	179.513	79.961	-1.167	0.0320
BGIBMGA003864	229.102	102.112	-1.166	0.0428
BGIBMGA011194	2522.050	1125.270	-1.164	0.0433
BGIBMGA003480	19.741	8.819	-1.163	0.0368
BGIBMGA004838	70.822	31.644	-1.162	0.0359
BGIBMGA011675	11.851	5.308	-1.159	0.0354
BGIBMGA005549	18.464	8.272	-1.158	0.0383
BGIBMGA010958	18.277	8.194	-1.157	0.0265
BGIBMGA006680	55.108	24.796	-1.152	0.0442
BGIBMGA013553	37.587	16.957	-1.148	0.0397
BGIBMGA000452	110.002	49.838	-1.142	0.0484
BGIBMGA014008	8.190	3.712	-1.142	0.0305
BGIBMGA009594	43.107	19.595	-1.137	0.0371
BGIBMGA001175	68.698	31.268	-1.136	0.0425
BGIBMGA000964	5.899	2.686	-1.135	0.0411
BGIBMGA013513	112.461	51.333	-1.131	0.0423
BGIBMGA011014	118.664	54.347	-1.127	0.0425
BGIBMGA006209	429.282	197.031	-1.124	0.0354
BGIBMGA007196	30.455	14.019	-1.119	0.0401
BGIBMGA007502	34.917	16.247	-1.104	0.0442
BGIBMGA003004	368.474	171.780	-1.101	0.0376
BGIBMGA009760	103.315	48.180	-1.101	0.0496
BGIBMGA012116	37.369	17.465	-1.097	0.0480
BGIBMGA004932	60.684	28.391	-1.096	0.0363
BGIBMGA000759	2891.850	1354.450	-1.094	0.0446
BGIBMGA003048	191.144	89.766	-1.090	0.0482
BGIBMGA001464	45.572	21.430	-1.089	0.0420
BGIBMGA002956	12.580	6.014	-1.065	0.0411
BGIBMGA008930	37.836	18.207	-1.055	0.0468
BGIBMGA005552	28.280	13.677	-1.048	0.0466