

Supplementary table S5. Information of the differentially expressed genes in brains of the wild and domestic silkworm at the mid-point of the final larvae stage (Mid\_L).

GeneID	FPKM_wild	FPKM_dome	$\log_2^{(FPKM\_dome/FPKM\_wild)}$	Corrected <i>P</i> -value
Up regulated in domestic silkworm				
BGIBMGA004397	0.855	3457.000	11.981	0.0368
BGIBMGA004457	1.031	2245.760	11.089	0.0058
BGIBMGA004396	1.771	3221.530	10.829	0.0010
BGIBMGA004394	1.119	1307.230	10.190	0.0229
BGIBMGA013778	55.464	26332.700	8.891	0.0010
BGIBMGA013098	0.879	328.092	8.545	0.0031
BGIBMGA012675	2.101	595.504	8.147	0.0088
BGIBMGA005012	0.391	43.355	6.794	0.0010
BGIBMGA012997	3.254	274.435	6.398	0.0010
BGIBMGA008687	0.850	68.957	6.342	0.0031
BGIBMGA010030	19.647	1507.400	6.262	0.0010
BGIBMGA009027	17.806	1060.960	5.897	0.0010
BGIBMGA009028	23.734	1343.630	5.823	0.0010
BGIBMGA005302	13.282	681.231	5.681	0.0010
BGIBMGA014278	10.814	452.289	5.386	0.0010
BGIBMGA010400	1.534	56.191	5.195	0.0042
BGIBMGA014495	20.686	721.772	5.125	0.0018
BGIBMGA013238	1.592	47.373	4.896	0.0010
BGIBMGA010439	14.350	416.919	4.861	0.0010
BGIBMGA007902	0.918	25.390	4.790	0.0010
BGIBMGA008736	1.126	30.697	4.769	0.0110
BGIBMGA013361	1.207	31.936	4.725	0.0025
BGIBMGA007286	1.425	37.620	4.723	0.0160
BGIBMGA008021	4.507	116.490	4.692	0.0010
BGIBMGA010313	3.372	86.412	4.680	0.0010
BGIBMGA014246	0.334	8.428	4.659	0.0480
BGIBMGA001480	1.918	47.483	4.630	0.0062
BGIBMGA004793	27.715	663.456	4.581	0.0018
BGIBMGA013991	7.588	169.711	4.483	0.0010
BGIBMGA002252	0.899	19.079	4.408	0.0383
BGIBMGA000558	0.161	3.245	4.332	0.0346
BGIBMGA004465	3.843	75.921	4.304	0.0010
BGIBMGA008179	0.999	19.567	4.292	0.0383
BGIBMGA013803	1.521	29.275	4.267	0.0353
BGIBMGA012651	7.054	134.340	4.251	0.0010
BGIBMGA003057	0.315	6.002	4.251	0.0480
BGIBMGA014178	2.599	49.441	4.250	0.0010
BGIBMGA014375	0.307	5.669	4.207	0.0224
BGIBMGA014050	2.049	36.456	4.153	0.0010
BGIBMGA003781	0.308	5.434	4.141	0.0351
BGIBMGA012305	12.233	214.322	4.131	0.0271
BGIBMGA014204	1.121	18.798	4.067	0.0144
BGIBMGA014203	5.080	84.761	4.061	0.0010
BGIBMGA011086	6.230	103.001	4.047	0.0031
BGIBMGA013628	1.526	23.718	3.958	0.0484
BGIBMGA002747	1.846	27.278	3.885	0.0366
BGIBMGA011549	1.037	15.232	3.876	0.0330
BGIBMGA005942	1.858	25.049	3.753	0.0058
BGIBMGA002430	13.791	183.329	3.733	0.0010
BGIBMGA007240	1.233	16.134	3.710	0.0010
BGIBMGA014091	5.677	73.923	3.703	0.0010
BGIBMGA004613	10.159	131.158	3.690	0.0010
BGIBMGA010168	4.228	54.473	3.688	0.0010
BGIBMGA011728	2.334	29.341	3.652	0.0088
BGIBMGA014288	83.685	1021.090	3.609	0.0042
BGIBMGA000908	0.799	9.720	3.604	0.0417
BGIBMGA012106	1.343	16.133	3.587	0.0195
BGIBMGA004401	0.838	10.059	3.586	0.0072
BGIBMGA001983	31.983	383.360	3.583	0.0010
BGIBMGA007994	15.085	178.872	3.568	0.0010
BGIBMGA003816	0.318	3.691	3.538	0.0184
BGIBMGA012758	1.242	14.385	3.534	0.0010
BGIBMGA003508	24.038	275.998	3.521	0.0010
BGIBMGA006643	0.179	2.053	3.521	0.0128
BGIBMGA013455	4.650	53.355	3.520	0.0084
BGIBMGA008677	0.803	9.125	3.506	0.0221
BGIBMGA011298	0.470	5.243	3.481	0.0062
BGIBMGA005695	1.088	12.085	3.474	0.0025
BGIBMGA003253	89.156	945.411	3.407	0.0010
BGIBMGA013657	9.060	92.295	3.349	0.0010
BGIBMGA014587	2.138	21.654	3.340	0.0407
BGIBMGA010919	5.085	51.209	3.332	0.0010
BGIBMGA009944	5.307	53.144	3.324	0.0010
BGIBMGA009271	1.713	16.908	3.303	0.0380
BGIBMGA013932	0.813	7.938	3.287	0.0128
BGIBMGA011226	6.724	64.339	3.258	0.0010
BGIBMGA008164	5.749	54.925	3.256	0.0010
BGIBMGA014477	1.498	14.284	3.253	0.0052
BGIBMGA014376	0.916	8.522	3.218	0.0267
BGIBMGA014586	4.493	41.520	3.208	0.0025
BGIBMGA011209	21.076	192.420	3.191	0.0010
BGIBMGA011000	2.129	19.065	3.163	0.0076
BGIBMGA004867	3.474	29.670	3.095	0.0167
BGIBMGA012195	6.595	55.514	3.073	0.0010
BGIBMGA014481	46.207	387.440	3.068	0.0010
BGIBMGA004606	4.846	40.385	3.059	0.0018
BGIBMGA008204	0.740	6.141	3.053	0.0110
BGIBMGA004546	0.474	3.901	3.040	0.0010
BGIBMGA009542	17.298	142.137	3.039	0.0010
BGIBMGA010161	0.568	4.647	3.032	0.0224

BGIBMGA003570	1.866	15.254	3.031	0.0213
BGIBMGA008676	31.016	251.492	3.019	0.0010
BGIBMGA012294	84.601	683.500	3.014	0.0010
BGIBMGA002447	3.147	25.284	3.006	0.0300
BGIBMGA009238	1.036	8.292	3.001	0.0081
BGIBMGA012645	3.755	29.959	2.996	0.0239
BGIBMGA002160	0.617	4.874	2.982	0.0158
BGIBMGA008887	98.585	778.139	2.981	0.0010
BGIBMGA000667	7.926	62.365	2.976	0.0211
BGIBMGA009162	2.446	19.231	2.975	0.0158
BGIBMGA001613	2.543	19.942	2.971	0.0010
BGIBMGA013242	3.557	27.722	2.962	0.0010
BGIBMGA001595	8.100	62.371	2.945	0.0010
BGIBMGA004463	2.919	22.327	2.935	0.0052
BGIBMGA012289	4.231	31.741	2.907	0.0018
BGIBMGA011769	1635.360	11984.500	2.873	0.0010
BGIBMGA013062	4.279	31.325	2.872	0.0235
BGIBMGA008038	21.037	153.423	2.867	0.0010
BGIBMGA000133	5.792	41.331	2.835	0.0036
BGIBMGA008663	133.071	948.962	2.834	0.0010
BGIBMGA008165	7.280	50.741	2.801	0.0010
BGIBMGA013993	6.130	42.594	2.797	0.0173
BGIBMGA009502	0.341	2.320	2.766	0.0283
BGIBMGA014242	0.636	4.309	2.759	0.0176
BGIBMGA004866	1.968	13.274	2.754	0.0218
BGIBMGA003321	11.549	77.721	2.751	0.0010
BGIBMGA014032	5.358	35.916	2.745	0.0010
BGIBMGA002329	1.010	6.673	2.723	0.0229
BGIBMGA011542	6.485	42.393	2.709	0.0010
BGIBMGA012486	0.622	3.925	2.659	0.0286
BGIBMGA014116	0.828	5.194	2.650	0.0332
BGIBMGA014505	5.914	36.926	2.642	0.0010
BGIBMGA002015	85.102	528.008	2.633	0.0010
BGIBMGA006239	51.645	318.669	2.625	0.0249
BGIBMGA004999	4.471	27.560	2.624	0.0327
BGIBMGA010878	2.442	15.024	2.621	0.0337
BGIBMGA004515	46.181	279.706	2.599	0.0010
BGIBMGA006693	6.305	38.110	2.596	0.0010
BGIBMGA013163	20.432	122.717	2.586	0.0010
BGIBMGA013782	70.455	421.206	2.580	0.0010
BGIBMGA014245	1.131	6.734	2.574	0.0289
BGIBMGA009047	2.586	15.340	2.568	0.0355
BGIBMGA009936	1.764	10.441	2.565	0.0241
BGIBMGA006692	14.154	83.698	2.564	0.0010
BGIBMGA001684	8.064	47.273	2.551	0.0010
BGIBMGA011834	90.227	525.530	2.542	0.0010
BGIBMGA003276	12.613	72.972	2.532	0.0031
BGIBMGA001773	7.821	45.208	2.531	0.0010
BGIBMGA005471	3.073	17.707	2.527	0.0067
BGIBMGA013114	22.735	130.798	2.524	0.0010
BGIBMGA009136	1.256	7.225	2.524	0.0268
BGIBMGA005941	1.381	7.901	2.516	0.0368
BGIBMGA012371	3.985	22.788	2.516	0.0052
BGIBMGA000336	63.358	360.834	2.510	0.0010
BGIBMGA002111	1.840	10.328	2.489	0.0398
BGIBMGA001367	34.277	191.537	2.482	0.0010
BGIBMGA006694	36.359	202.116	2.475	0.0010
BGIBMGA002238	2.854	15.844	2.473	0.0323
BGIBMGA006514	107.225	594.661	2.471	0.0010
BGIBMGA013587	0.990	5.350	2.435	0.0341
BGIBMGA013237	9.841	52.671	2.420	0.0010
BGIBMGA013545	11.393	60.968	2.420	0.0095
BGIBMGA012290	0.602	3.200	2.411	0.0306
BGIBMGA013385	1.301	6.894	2.405	0.0036
BGIBMGA009601	2.066	10.855	2.393	0.0036
BGIBMGA013236	7.976	41.791	2.389	0.0010
BGIBMGA002175	22.167	116.067	2.388	0.0010
BGIBMGA004950	19.483	101.691	2.384	0.0010
BGIBMGA009338	6.491	33.806	2.381	0.0047
BGIBMGA012972	5.974	30.694	2.361	0.0010
BGIBMGA000496	9.300	47.603	2.356	0.0010
BGIBMGA005781	56.018	285.241	2.348	0.0010
BGIBMGA011764	692.391	3523.180	2.347	0.0010
BGIBMGA012362	2.068	10.472	2.340	0.0406
BGIBMGA001919	2.949	14.922	2.339	0.0047
BGIBMGA013688	2.436	12.266	2.332	0.0010
BGIBMGA004197	8.144	40.518	2.315	0.0010
BGIBMGA009624	10.305	51.174	2.312	0.0025
BGIBMGA012783	0.476	2.344	2.301	0.0467
BGIBMGA005742	1.430	7.015	2.295	0.0492
BGIBMGA009137	0.983	4.789	2.285	0.0081
BGIBMGA007855	2.263	10.948	2.275	0.0323
BGIBMGA000311	41.179	198.153	2.267	0.0010
BGIBMGA009576	28.686	137.681	2.263	0.0010
BGIBMGA008006	6.900	33.029	2.259	0.0010
BGIBMGA003299	0.490	2.340	2.257	0.0323
BGIBMGA004464	34.879	166.326	2.254	0.0010
BGIBMGA013274	6.072	28.917	2.252	0.0010
BGIBMGA006296	5.550	26.409	2.251	0.0114
BGIBMGA009802	14.817	70.429	2.249	0.0010
BGIBMGA009056	45.561	216.517	2.249	0.0010
BGIBMGA013061	13.784	65.311	2.244	0.0128
BGIBMGA002207	6.186	29.223	2.240	0.0018

BGIBMGA006338	0.762	3.595	2.237	0.0031
BGIBMGA010877	3.585	16.898	2.237	0.0110
BGIBMGA010216	5.198	24.497	2.237	0.0042
BGIBMGA014494	491.174	2311.900	2.235	0.0010
BGIBMGA004206	0.906	4.255	2.232	0.0499
BGIBMGA007025	1.988	9.254	2.219	0.0466
BGIBMGA005589	3.845	17.861	2.216	0.0010
BGIBMGA012841	48.007	222.003	2.209	0.0010
BGIBMGA000144	1.570	7.256	2.208	0.0025
BGIBMGA011525	18.041	83.061	2.203	0.0010
BGIBMGA010996	0.913	4.201	2.202	0.0380
BGIBMGA012293	39.692	182.214	2.199	0.0467
BGIBMGA005144	33.829	155.244	2.198	0.0025
BGIBMGA012386	4.215	19.293	2.194	0.0099
BGIBMGA011128	28.350	129.164	2.188	0.0010
BGIBMGA013372	7.882	35.773	2.182	0.0135
BGIBMGA012453	2.843	12.902	2.182	0.0154
BGIBMGA006337	0.871	3.945	2.180	0.0439
BGIBMGA009571	5.737	25.792	2.169	0.0088
BGIBMGA003219	2.140	9.453	2.144	0.0135
BGIBMGA003944	25.453	111.924	2.137	0.0010
BGIBMGA004614	16.706	73.247	2.132	0.0010
BGIBMGA006255	8.206	35.959	2.132	0.0164
BGIBMGA000838	9.571	41.784	2.126	0.0031
BGIBMGA000346	94.168	409.512	2.121	0.0018
BGIBMGA011681	26.656	114.943	2.108	0.0010
BGIBMGA010977	24.168	103.606	2.100	0.0010
BGIBMGA009565	6.424	27.321	2.088	0.0010
BGIBMGA013781	973.551	4104.000	2.076	0.0010
BGIBMGA004412	3.634	15.274	2.072	0.0036
BGIBMGA006447	5.556	23.337	2.070	0.0178
BGIBMGA007616	10.397	43.534	2.066	0.0010
BGIBMGA012426	35.231	147.095	2.062	0.0010
BGIBMGA003341	10.285	42.679	2.053	0.0010
BGIBMGA011266	5.293	21.866	2.047	0.0052
BGIBMGA004882	77.286	316.982	2.036	0.0010
BGIBMGA014536	1.511	6.195	2.035	0.0235
BGIBMGA006456	37.501	152.243	2.021	0.0010
BGIBMGA009731	257.118	1042.810	2.020	0.0010
BGIBMGA005736	1.500	6.064	2.015	0.0067
BGIBMGA005648	479.439	1917.900	2.000	0.0031
BGIBMGA009697	1.764	7.032	1.995	0.0170
BGIBMGA008672	1638.700	6525.160	1.993	0.0010
BGIBMGA005447	15.078	59.974	1.992	0.0010
BGIBMGA005080	4.477	17.730	1.986	0.0067
BGIBMGA006623	3.840	15.202	1.985	0.0251
BGIBMGA001162	114.147	451.798	1.985	0.0010
BGIBMGA009800	46.322	182.651	1.979	0.0010
BGIBMGA002600	5.638	22.094	1.970	0.0259
BGIBMGA010943	11.165	43.715	1.969	0.0076
BGIBMGA002768	47.242	184.955	1.969	0.0010
BGIBMGA004577	12.319	48.028	1.963	0.0010
BGIBMGA012706	2.167	8.436	1.961	0.0092
BGIBMGA002534	1.819	7.078	1.960	0.0268
BGIBMGA010579	1.895	7.339	1.953	0.0261
BGIBMGA001705	14.915	57.576	1.949	0.0010
BGIBMGA014533	31.053	118.998	1.938	0.0106
BGIBMGA012137	6.946	26.514	1.932	0.0010
BGIBMGA012968	6.756	25.747	1.930	0.0036
BGIBMGA012764	6.354	24.149	1.926	0.0031
BGIBMGA010143	7.350	27.837	1.921	0.0267
BGIBMGA001845	7.507	28.218	1.910	0.0084
BGIBMGA009159	43.142	161.747	1.907	0.0010
BGIBMGA003342	13.285	49.772	1.906	0.0106
BGIBMGA001278	65.101	241.847	1.893	0.0010
BGIBMGA010122	2.289	8.487	1.890	0.0262
BGIBMGA001653	5.071	18.772	1.888	0.0135
BGIBMGA011424	36.739	135.847	1.887	0.0010
BGIBMGA012197	16.883	62.267	1.883	0.0010
BGIBMGA005893	3.257	11.972	1.878	0.0469
BGIBMGA012698	11.911	42.978	1.851	0.0025
BGIBMGA000402	2.049	7.387	1.850	0.0271
BGIBMGA009085	1.704	6.119	1.845	0.0254
BGIBMGA008521	93.580	335.513	1.842	0.0010
BGIBMGA013034	6.489	23.122	1.833	0.0332
BGIBMGA010407	14.578	51.911	1.832	0.0031
BGIBMGA003847	44.896	159.458	1.829	0.0010
BGIBMGA003340	115.743	409.836	1.824	0.0010
BGIBMGA000473	3.170	11.188	1.819	0.0135
BGIBMGA004276	2.880	10.152	1.818	0.0184
BGIBMGA004537	1.948	6.820	1.808	0.0121
BGIBMGA003339	162.149	566.686	1.805	0.0010
BGIBMGA005190	1.542	5.377	1.802	0.0264
BGIBMGA009498	0.947	3.285	1.795	0.0167
BGIBMGA001477	77.469	268.061	1.791	0.0010
BGIBMGA011713	2171.730	7505.480	1.789	0.0018
BGIBMGA013774	31.283	108.091	1.789	0.0018
BGIBMGA011726	23.712	81.872	1.788	0.0325
BGIBMGA005013	110.233	379.933	1.785	0.0010
BGIBMGA006083	3.847	13.241	1.783	0.0401
BGIBMGA014052	10.710	36.803	1.781	0.0025
BGIBMGA000170	18.016	61.857	1.780	0.0251
BGIBMGA013937	10.420	35.759	1.779	0.0366

BGIBMGA003481	33.483	113.561	1.762	0.0010
BGIBMGA003658	21.288	72.068	1.759	0.0148
BGIBMGA010257	50.364	170.096	1.756	0.0010
BGIBMGA000348	10.023	33.720	1.750	0.0187
BGIBMGA002462	113.320	380.065	1.746	0.0010
BGIBMGA011930	232.789	780.679	1.746	0.0031
BGIBMGA012212	1.777	5.947	1.743	0.0366
BGIBMGA001830	20.249	67.623	1.740	0.0213
BGIBMGA014169	8.139	27.141	1.738	0.0010
BGIBMGA003414	75.869	251.422	1.729	0.0010
BGIBMGA014551	175.570	578.499	1.720	0.0010
BGIBMGA009611	3.475	11.354	1.708	0.0018
BGIBMGA006872	34.896	113.338	1.700	0.0036
BGIBMGA002383	3.773	12.216	1.695	0.0497
BGIBMGA005346	18.463	59.740	1.694	0.0114
BGIBMGA011543	18.182	58.804	1.693	0.0010
BGIBMGA000719	3.877	12.521	1.691	0.0261
BGIBMGA001237	23.460	75.689	1.690	0.0010
BGIBMGA001781	2.516	8.090	1.685	0.0106
BGIBMGA002324	4.119	13.220	1.682	0.0195
BGIBMGA012441	8.312	26.666	1.682	0.0254
BGIBMGA002890	14.662	47.031	1.682	0.0211
BGIBMGA008221	118.204	378.798	1.680	0.0018
BGIBMGA014618	23.510	75.171	1.677	0.0010
BGIBMGA013341	33.272	106.250	1.675	0.0062
BGIBMGA012924	34.405	109.532	1.671	0.0018
BGIBMGA004224	16.657	52.925	1.668	0.0010
BGIBMGA008771	11.746	37.153	1.661	0.0031
BGIBMGA014405	13.695	43.241	1.659	0.0289
BGIBMGA004305	4.612	14.555	1.658	0.0476
BGIBMGA010759	15.174	47.585	1.649	0.0018
BGIBMGA004554	2.876	9.009	1.647	0.0461
BGIBMGA001755	98.565	307.761	1.643	0.0010
BGIBMGA003318	41.976	130.794	1.640	0.0010
BGIBMGA001473	2.585	8.052	1.639	0.0221
BGIBMGA013652	5.187	16.118	1.636	0.0355
BGIBMGA013448	289.899	892.718	1.623	0.0010
BGIBMGA012347	303.322	932.105	1.620	0.0010
BGIBMGA004990	3.457	10.563	1.611	0.0287
BGIBMGA014411	44.441	135.028	1.603	0.0295
BGIBMGA010057	142.042	430.728	1.600	0.0010
BGIBMGA010876	5.333	16.059	1.590	0.0173
BGIBMGA007893	2.245	6.725	1.583	0.0042
BGIBMGA000127	61.611	184.132	1.579	0.0031
BGIBMGA009563	5.611	16.731	1.576	0.0268
BGIBMGA003344	21.250	62.967	1.567	0.0010
BGIBMGA013456	12.610	37.295	1.564	0.0334
BGIBMGA000398	45.369	134.091	1.563	0.0010
BGIBMGA000845	9.742	28.687	1.558	0.0339
BGIBMGA011386	8.512	25.007	1.555	0.0025
BGIBMGA009707	24.979	73.190	1.551	0.0010
BGIBMGA007177	7.648	22.392	1.550	0.0362
ENSRNA022710108	684.984	2004.340	1.549	0.0118
BGIBMGA011230	63.207	184.546	1.546	0.0010
BGIBMGA005996	12.911	37.618	1.543	0.0158
BGIBMGA004561	5.505	16.018	1.541	0.0318
BGIBMGA006021	74.283	215.127	1.534	0.0018
BGIBMGA002020	25.082	72.273	1.527	0.0010
BGIBMGA003783	2.793	8.026	1.523	0.0190
BGIBMGA004321	8.209	23.399	1.511	0.0031
BGIBMGA009810	7.504	21.334	1.508	0.0347
BGIBMGA005010	20.050	56.994	1.507	0.0052
BGIBMGA002195	44.164	125.394	1.506	0.0076
BGIBMGA008954	55.649	157.646	1.502	0.0010
BGIBMGA010913	96.131	271.572	1.498	0.0010
BGIBMGA001476	72.276	203.338	1.492	0.0010
BGIBMGA010476	11.294	31.721	1.490	0.0018
BGIBMGA010401	13.430	37.589	1.485	0.0261
BGIBMGA012763	19.378	54.228	1.485	0.0010
BGIBMGA013593	7.944	22.221	1.484	0.0286
BGIBMGA010998	155.884	435.324	1.482	0.0010
BGIBMGA014573	20.828	57.970	1.477	0.0076
BGIBMGA014416	44.483	123.705	1.476	0.0010
BGIBMGA010912	80.351	222.490	1.469	0.0010
BGIBMGA004306	6.857	18.927	1.465	0.0062
BGIBMGA012138	17.137	47.210	1.462	0.0135
BGIBMGA012133	38.827	106.678	1.458	0.0072
BGIBMGA001436	47.821	130.426	1.448	0.0010
BGIBMGA007282	7.271	19.784	1.444	0.0229
BGIBMGA011840	7.832	21.261	1.441	0.0268
BGIBMGA010732	15.640	42.317	1.436	0.0259
BGIBMGA006647	6.271	16.890	1.430	0.0271
BGIBMGA013115	52.537	141.029	1.425	0.0010
BGIBMGA004832	4.177	11.207	1.424	0.0052
BGIBMGA011727	178.105	477.797	1.424	0.0010
BGIBMGA005414	41.036	109.855	1.421	0.0010
BGIBMGA005381	137.129	367.045	1.420	0.0010
BGIBMGA009180	13.418	35.888	1.419	0.0244
BGIBMGA000774	6.016	15.986	1.410	0.0499
BGIBMGA014140	49.213	130.617	1.408	0.0010
BGIBMGA001627	976.857	2592.360	1.408	0.0010
BGIBMGA013656	138.708	367.768	1.407	0.0010
BGIBMGA004346	111.991	295.132	1.398	0.0103

BGIBMGA012088	44.846	118.129	1.397	0.0025
BGIBMGA006291	622.593	1628.780	1.387	0.0198
BGIBMGA007435	21.952	57.357	1.386	0.0058
BGIBMGA000090	18.101	47.225	1.383	0.0218
BGIBMGA009003	8.977	23.390	1.382	0.0010
BGIBMGA003203	126.099	328.268	1.380	0.0369
BGIBMGA009115	48.101	125.169	1.380	0.0293
BGIBMGA000152	3.172	8.234	1.376	0.0295
BGIBMGA002998	26.000	67.366	1.374	0.0224
BGIBMGA014064	201.416	521.275	1.372	0.0010
BGIBMGA012754	264.654	682.409	1.367	0.0121
BGIBMGA006423	12.289	31.686	1.366	0.0395
BGIBMGA014159	4.793	12.349	1.365	0.0211
BGIBMGA004667	32.601	83.942	1.364	0.0018
BGIBMGA013776	6.377	16.416	1.364	0.0251
BGIBMGA008174	113.228	291.368	1.364	0.0010
BGIBMGA013069	31.091	79.786	1.360	0.0170
BGIBMGA009558	4.842	12.420	1.359	0.0103
BGIBMGA001461	21.218	54.234	1.354	0.0047
BGIBMGA009708	17.482	44.634	1.352	0.0138
BGIBMGA001854	39.500	100.702	1.350	0.0058
BGIBMGA010069	38.207	96.822	1.342	0.0369
BGIBMGA006011	54.562	138.244	1.341	0.0010
BGIBMGA004713	4.560	11.511	1.336	0.0226
BGIBMGA005586	90.389	227.850	1.334	0.0010
BGIBMGA014120	32.884	82.846	1.333	0.0062
BGIBMGA009417	5.903	14.825	1.329	0.0076
BGIBMGA004805	1006.220	2524.410	1.327	0.0010
BGIBMGA001500	107.211	268.428	1.324	0.0025
BGIBMGA005755	783.986	1962.060	1.323	0.0010
BGIBMGA007192	129.161	322.645	1.321	0.0010
BGIBMGA008705	221.536	552.587	1.319	0.0010
BGIBMGA009589	10.199	25.300	1.311	0.0088
BGIBMGA002145	167.110	414.445	1.310	0.0170
BGIBMGA009863	5928.510	14689.400	1.309	0.0025
BGIBMGA007905	4.505	11.143	1.306	0.0095
BGIBMGA012567	8.405	20.754	1.304	0.0218
BGIBMGA006742	39.171	96.710	1.304	0.0431
BGIBMGA008011	873.860	2155.720	1.303	0.0018
BGIBMGA007848	32.226	79.451	1.302	0.0010
BGIBMGA004332	46.154	113.520	1.298	0.0010
BGIBMGA009953	345.701	850.238	1.298	0.0010
BGIBMGA011132	4.647	11.415	1.297	0.0218
BGIBMGA005748	10.257	25.143	1.294	0.0325
BGIBMGA004329	225.677	550.168	1.286	0.0010
BGIBMGA007873	944.411	2292.730	1.280	0.0018
BGIBMGA001806	80.783	196.087	1.279	0.0010
BGIBMGA001383	33.840	82.058	1.278	0.0095
BGIBMGA013339	744.619	1800.930	1.274	0.0010
BGIBMGA009411	9442.160	22815.900	1.273	0.0121
BGIBMGA005220	65.290	157.071	1.266	0.0439
BGIBMGA013930	186.489	448.344	1.266	0.0010
BGIBMGA001497	3.436	8.249	1.263	0.0092
BGIBMGA004137	3.678	8.828	1.263	0.0281
BGIBMGA004541	233.346	551.591	1.241	0.0031
BGIBMGA001276	46.831	110.507	1.239	0.0031
BGIBMGA006056	46.932	110.530	1.236	0.0244
BGIBMGA012187	33.971	79.897	1.234	0.0164
BGIBMGA004454	478.171	1123.840	1.233	0.0010
BGIBMGA003739	29.678	69.574	1.229	0.0042
BGIBMGA002439	65.663	153.917	1.229	0.0042
BGIBMGA004680	52.079	121.928	1.227	0.0042
BGIBMGA002950	6.998	16.358	1.225	0.0497
BGIBMGA011851	25.858	60.429	1.225	0.0047
BGIBMGA002461	89.609	209.304	1.224	0.0103
BGIBMGA003897	18.821	43.863	1.221	0.0110
BGIBMGA009776	230.724	535.079	1.214	0.0092
BGIBMGA012218	20.576	47.643	1.211	0.0062
BGIBMGA004270	35.608	82.430	1.211	0.0176
BGIBMGA007509	81.591	188.378	1.207	0.0042
BGIBMGA001736	20.890	48.137	1.204	0.0072
BGIBMGA013534	16.702	38.341	1.199	0.0262
BGIBMGA013054	69.655	159.707	1.197	0.0042
BGIBMGA010490	137.452	314.826	1.196	0.0036
BGIBMGA011972	998.336	2284.220	1.194	0.0084
BGIBMGA014177	232.941	531.927	1.191	0.0010
BGIBMGA012581	23.753	54.103	1.188	0.0446
BGIBMGA014347	77.684	176.745	1.186	0.0110
BGIBMGA008718	12.583	28.604	1.185	0.0259
BGIBMGA004427	83.659	190.125	1.184	0.0121
BGIBMGA004586	38.025	86.413	1.184	0.0042
BGIBMGA012178	54.405	123.531	1.183	0.0067
BGIBMGA011357	381.400	860.376	1.174	0.0010
BGIBMGA012399	44.023	99.138	1.171	0.0106
BGIBMGA008785	21.191	47.652	1.169	0.0148
BGIBMGA005784	1217.810	2730.940	1.165	0.0018
BGIBMGA007013	139.604	312.965	1.165	0.0261
BGIBMGA009656	32.894	73.696	1.164	0.0067
BGIBMGA012995	152.191	340.836	1.163	0.0088
BGIBMGA010017	33.795	75.682	1.163	0.0283
BGIBMGA010163	79.465	177.859	1.162	0.0010
BGIBMGA002348	147.008	328.936	1.162	0.0099
BGIBMGA004496	52.411	116.660	1.154	0.0084

BGIBMGA011362	14.217	31.593	1.152	0.0138
BGIBMGA000293	68.687	152.616	1.152	0.0110
BGIBMGA008666	16.789	37.242	1.149	0.0347
BGIBMGA005699	56.516	125.178	1.147	0.0329
BGIBMGA012268	188.419	416.102	1.143	0.0025
BGIBMGA011174	19.639	43.290	1.140	0.0342
BGIBMGA009732	56.735	124.939	1.139	0.0036
BGIBMGA003375	46.750	102.938	1.139	0.0135
BGIBMGA013295	31.146	68.468	1.136	0.0081
BGIBMGA005615	63.903	139.718	1.129	0.0110
BGIBMGA009344	16.718	36.472	1.125	0.0036
BGIBMGA011667	128.289	279.574	1.124	0.0205
BGIBMGA011198	22.900	49.677	1.117	0.0047
BGIBMGA011111	31.245	67.725	1.116	0.0081
BGIBMGA001351	231.999	502.272	1.114	0.0025
BGIBMGA013712	35.427	76.536	1.111	0.0052
BGIBMGA004159	19.873	42.924	1.111	0.0369
BGIBMGA007132	28.710	61.979	1.110	0.0221
BGIBMGA006739	74.082	159.668	1.108	0.0276
BGIBMGA013635	47.783	102.786	1.105	0.0088
BGIBMGA007723	327.710	704.799	1.105	0.0031
BGIBMGA003202	99.076	212.993	1.104	0.0036
BGIBMGA000867	4176.730	8978.600	1.104	0.0239
BGIBMGA001472	15.894	34.133	1.103	0.0141
BGIBMGA009572	11.160	23.958	1.102	0.0128
BGIBMGA005412	86.867	185.840	1.097	0.0031
BGIBMGA009893	62.279	133.099	1.096	0.0181
BGIBMGA007729	74.718	159.634	1.095	0.0095
BGIBMGA003260	12.948	27.617	1.093	0.0492
BGIBMGA005270	79.736	170.024	1.092	0.0025
BGIBMGA004359	19.506	41.499	1.089	0.0249
BGIBMGA006347	14.391	30.534	1.085	0.0353
BGIBMGA013849	110.168	233.716	1.085	0.0042
BGIBMGA011328	36.367	77.127	1.085	0.0154
BGIBMGA009794	53.510	113.320	1.083	0.0058
BGIBMGA012057	53.762	113.705	1.081	0.0148
BGIBMGA005973	4.954	10.458	1.078	0.0362
BGIBMGA006325	34.725	73.255	1.077	0.0118
BGIBMGA003654	9.778	20.620	1.076	0.0181
BGIBMGA004858	29.520	62.097	1.073	0.0103
BGIBMGA011475	29.905	62.895	1.073	0.0178
BGIBMGA014209	171.469	360.199	1.071	0.0095
BGIBMGA009057	21.452	45.029	1.070	0.0420
BGIBMGA002322	6.836	14.348	1.070	0.0343
BGIBMGA013369	24.547	51.461	1.068	0.0138
BGIBMGA009910	36.221	75.761	1.065	0.0128
BGIBMGA004323	12.662	26.469	1.064	0.0176
BGIBMGA001711	256.685	536.160	1.063	0.0047
BGIBMGA013705	36.880	76.638	1.055	0.0303
BGIBMGA002647	44.116	91.497	1.052	0.0295
BGIBMGA003156	50.739	105.170	1.052	0.0144
BGIBMGA003592	243.531	504.754	1.051	0.0268
BGIBMGA010528	9.671	20.009	1.049	0.0476
BGIBMGA000646	49.544	102.371	1.047	0.0151
BGIBMGA004540	1680.090	3470.420	1.047	0.0287
BGIBMGA001036	40.193	82.764	1.042	0.0311
BGIBMGA003688	250.585	515.987	1.042	0.0144
BGIBMGA014402	195.971	403.329	1.041	0.0067
BGIBMGA014521	29.077	59.842	1.041	0.0190
BGIBMGA003989	30.526	62.773	1.040	0.0289
BGIBMGA007951	54.366	111.678	1.039	0.0118
BGIBMGA002510	36.156	74.240	1.038	0.0262
BGIBMGA008699	136.724	280.499	1.037	0.0121
BGIBMGA013699	39.498	80.827	1.033	0.0323
BGIBMGA014215	30.789	62.923	1.031	0.0195
BGIBMGA004814	18.243	37.151	1.026	0.0325
BGIBMGA012028	41.449	84.392	1.026	0.0190
BGIBMGA014241	306.423	623.161	1.024	0.0170
BGIBMGA014593	112.342	228.319	1.023	0.0132
BGIBMGA002150	49.988	101.180	1.017	0.0213
BGIBMGA012802	16.665	33.725	1.017	0.0417
BGIBMGA008307	25.018	50.525	1.014	0.0259
BGIBMGA000125	47.891	96.598	1.012	0.0464
BGIBMGA006867	7990.420	16110.600	1.012	0.0313
BGIBMGA009355	178.577	359.825	1.011	0.0176
BGIBMGA000034	0.000	1.471	∞	0.0099
BGIBMGA000037	0.000	249.228	∞	0.0010
BGIBMGA000184	0.000	1.558	∞	0.0167
BGIBMGA000260	0.000	1.884	∞	0.0076
BGIBMGA000263	0.000	3.331	∞	0.0010
BGIBMGA000266	0.000	1.445	∞	0.0010
BGIBMGA000331	0.000	2.357	∞	0.0018
BGIBMGA000433	0.000	3.217	∞	0.0018
BGIBMGA000860	0.000	12.481	∞	0.0343
BGIBMGA001700	0.000	289.916	∞	0.0010
BGIBMGA001762	0.000	4.310	∞	0.0010
BGIBMGA001959	0.000	40.389	∞	0.0018
BGIBMGA002055	0.000	1.899	∞	0.0010
BGIBMGA002221	0.000	11.481	∞	0.0010
BGIBMGA002441	0.000	105.453	∞	0.0010
BGIBMGA003249	0.000	5.113	∞	0.0052
BGIBMGA003332	0.000	20.805	∞	0.0010
BGIBMGA003764	0.000	1.303	∞	0.0103

BGIBMGA003988	0.000	24.426	∞	0.0010
BGIBMGA004044	0.000	4.456	∞	0.0018
BGIBMGA004068	0.000	5.779	∞	0.0010
BGIBMGA004256	0.000	1.410	∞	0.0167
BGIBMGA004291	0.000	6.251	∞	0.0042
BGIBMGA004627	0.000	7.331	∞	0.0025
BGIBMGA004670	0.000	1.985	∞	0.0450
BGIBMGA004860	0.000	48.805	∞	0.0010
BGIBMGA005073	0.000	1.081	∞	0.0062
BGIBMGA005098	0.000	139.663	∞	0.0010
BGIBMGA005256	0.000	2.586	∞	0.0241
BGIBMGA006135	0.000	55.476	∞	0.0010
BGIBMGA006312	0.000	10.146	∞	0.0195
BGIBMGA006520	0.000	2.073	∞	0.0010
BGIBMGA006578	0.000	5.619	∞	0.0031
BGIBMGA008120	0.000	20437.800	∞	0.0010
BGIBMGA008187	0.000	1.736	∞	0.0010
BGIBMGA008205	0.000	837.392	∞	0.0010
BGIBMGA008535	0.000	104.982	∞	0.0010
BGIBMGA008708	0.000	157.555	∞	0.0010
BGIBMGA008711	0.000	23.903	∞	0.0010
BGIBMGA008859	0.000	9.180	∞	0.0010
BGIBMGA009143	0.000	2.232	∞	0.0018
BGIBMGA009455	0.000	1.757	∞	0.0144
BGIBMGA010208	0.000	274.641	∞	0.0010
BGIBMGA010504	0.000	2.552	∞	0.0058
BGIBMGA010715	0.000	5.760	∞	0.0378
BGIBMGA010750	0.000	6.250	∞	0.0398
BGIBMGA011203	0.000	8.327	∞	0.0010
BGIBMGA011494	0.000	8.491	∞	0.0305
BGIBMGA011559	0.000	1.456	∞	0.0018
BGIBMGA012141	0.000	0.930	∞	0.0010
BGIBMGA012205	0.000	4.884	∞	0.0010
BGIBMGA012256	0.000	4.677	∞	0.0128
BGIBMGA012714	0.000	2.896	∞	0.0010
BGIBMGA012906	0.000	1.372	∞	0.0190
BGIBMGA013220	0.000	12.929	∞	0.0010
BGIBMGA013225	0.000	6745.150	∞	0.0025
BGIBMGA013350	0.000	144.342	∞	0.0141
BGIBMGA013753	0.000	2.909	∞	0.0160
BGIBMGA013760	0.000	6.940	∞	0.0010
BGIBMGA013942	0.000	4.413	∞	0.0010
BGIBMGA013984	0.000	86.818	∞	0.0031
BGIBMGA014452	0.000	4.522	∞	0.0144
BGIBMGA009885	82.272	165.126	1.005	0.0095

**Down regulated in domestic silkworm**

BGIBMGA010327	35.195	17.568	-1.002	0.0491
BGIBMGA002140	57.306	28.604	-1.003	0.0103
BGIBMGA006461	35.396	17.667	-1.003	0.0154
BGIBMGA007581	49.362	24.637	-1.003	0.0216
BGIBMGA002412	12.180	6.057	-1.008	0.0281
BGIBMGA003561	60.031	29.816	-1.010	0.0483
BGIBMGA000724	755.250	374.966	-1.010	0.0261
BGIBMGA010212	106.057	52.630	-1.011	0.0176
BGIBMGA007090	170.862	84.775	-1.011	0.0154
BGIBMGA011037	50.406	25.001	-1.012	0.0118
BGIBMGA003484	46.416	23.015	-1.012	0.0084
BGIBMGA002532	98.451	48.812	-1.012	0.0095
BGIBMGA010670	61.915	30.647	-1.015	0.0088
BGIBMGA001105	64.496	31.915	-1.015	0.0499
BGIBMGA003700	37.865	18.730	-1.015	0.0121
BGIBMGA009234	122.111	60.384	-1.016	0.0276
BGIBMGA005999	202.228	99.986	-1.016	0.0092
BGIBMGA005810	234.965	116.124	-1.017	0.0295
BGIBMGA014270	234.229	115.727	-1.017	0.0058
BGIBMGA013885	100.330	49.513	-1.019	0.0486
BGIBMGA003635	22.165	10.935	-1.019	0.0455
BGIBMGA006582	320.206	157.814	-1.021	0.0184
BGIBMGA007755	102.398	50.460	-1.021	0.0321
BGIBMGA005797	77.381	38.113	-1.022	0.0469
BGIBMGA006214	212.744	104.758	-1.022	0.0132
BGIBMGA008002	109.322	53.827	-1.022	0.0151
BGIBMGA009170	94.729	46.630	-1.023	0.0216
BGIBMGA009609	42.281	20.800	-1.023	0.0499
BGIBMGA013532	73.849	36.327	-1.024	0.0187
BGIBMGA002840	49.338	24.265	-1.024	0.0118
BGIBMGA009172	33.056	16.256	-1.024	0.0151
BGIBMGA006180	53.359	26.235	-1.024	0.0103
BGIBMGA000204	64.301	31.605	-1.025	0.0099
BGIBMGA012092	134.291	65.998	-1.025	0.0103
BGIBMGA010839	184.241	90.478	-1.026	0.0141
BGIBMGA012107	50.759	24.920	-1.026	0.0151
BGIBMGA002556	67.714	33.181	-1.029	0.0154
BGIBMGA013512	33.651	16.482	-1.030	0.0095
BGIBMGA010721	43.387	21.240	-1.030	0.0438
BGIBMGA006891	38.131	18.646	-1.032	0.0103
BGIBMGA005418	74.997	36.668	-1.032	0.0095
BGIBMGA007863	50.589	24.729	-1.033	0.0409
BGIBMGA013544	66.714	32.595	-1.033	0.0076
BGIBMGA006728	55.489	27.081	-1.035	0.0081
BGIBMGA008426	313.125	152.796	-1.035	0.0081
BGIBMGA007318	174.577	85.186	-1.035	0.0141
BGIBMGA011331	13.122	6.399	-1.036	0.0380

BGIBMGA012021	26.406	12.877	-1.036	0.0095
BGIBMGA010404	50.218	24.430	-1.040	0.0401
BGIBMGA006245	664.519	323.178	-1.040	0.0382
BGIBMGA009382	46.887	22.792	-1.041	0.0213
BGIBMGA005477	33.857	16.454	-1.041	0.0187
BGIBMGA007609	18.438	8.959	-1.041	0.0187
BGIBMGA000825	44.799	21.761	-1.042	0.0432
BGIBMGA012922	139.100	67.427	-1.045	0.0031
BGIBMGA005124	46.482	22.444	-1.050	0.0158
BGIBMGA008479	62.291	30.076	-1.050	0.0072
BGIBMGA002929	91.850	44.346	-1.051	0.0422
BGIBMGA007565	183.404	88.531	-1.051	0.0184
BGIBMGA005269	10.375	5.008	-1.051	0.0499
BGIBMGA012082	202.755	97.790	-1.052	0.0099
BGIBMGA002779	119.020	57.400	-1.052	0.0047
BGIBMGA007975	39.497	19.036	-1.053	0.0154
BGIBMGA003134	173.644	83.663	-1.053	0.0239
BGIBMGA010379	85.688	41.281	-1.054	0.0342
BGIBMGA010366	62.851	30.274	-1.054	0.0424
BGIBMGA013447	88.532	42.557	-1.057	0.0187
BGIBMGA003744	133.452	64.148	-1.057	0.0106
BGIBMGA006028	30.670	14.742	-1.057	0.0176
BGIBMGA011976	501.757	240.961	-1.058	0.0031
BGIBMGA004198	63.939	30.696	-1.059	0.0298
BGIBMGA006813	61.051	29.306	-1.059	0.0062
BGIBMGA005794	227.579	109.198	-1.059	0.0283
BGIBMGA003087	19.498	9.352	-1.060	0.0398
BGIBMGA003564	342.957	164.383	-1.061	0.0092
BGIBMGA005052	60.610	28.988	-1.064	0.0360
BGIBMGA006032	93.171	44.544	-1.065	0.0385
BGIBMGA003044	8.093	3.868	-1.065	0.0305
BGIBMGA000316	45.205	21.603	-1.065	0.0261
BGIBMGA006815	63.060	30.129	-1.066	0.0114
BGIBMGA000480	48.305	23.067	-1.066	0.0342
BGIBMGA006677	98.502	47.014	-1.067	0.0184
BGIBMGA007911	48.563	23.170	-1.068	0.0135
BGIBMGA012076	89.832	42.853	-1.068	0.0380
BGIBMGA003451	116.273	55.455	-1.068	0.0347
BGIBMGA002839	112.316	53.486	-1.070	0.0092
BGIBMGA012235	31.439	14.962	-1.071	0.0499
BGIBMGA012455	38.369	18.226	-1.074	0.0110
BGIBMGA007000	101.377	48.133	-1.075	0.0092
BGIBMGA000792	28.950	13.741	-1.075	0.0092
BGIBMGA003146	53.251	25.263	-1.076	0.0128
BGIBMGA005116	83.280	39.508	-1.076	0.0088
BGIBMGA006327	43.641	20.699	-1.076	0.0076
BGIBMGA000188	837.112	396.436	-1.078	0.0221
BGIBMGA011662	83.395	39.419	-1.081	0.0081
BGIBMGA007840	71.539	33.793	-1.082	0.0067
BGIBMGA004920	45.125	21.265	-1.085	0.0385
BGIBMGA009201	185.794	87.511	-1.086	0.0025
BGIBMGA013704	46.133	21.692	-1.089	0.0088
BGIBMGA009225	15.832	7.441	-1.089	0.0114
BGIBMGA007220	30.662	14.410	-1.089	0.0446
BGIBMGA001126	545.185	256.175	-1.090	0.0067
BGIBMGA013922	14.798	6.951	-1.090	0.0382
BGIBMGA001142	94.587	44.432	-1.090	0.0081
BGIBMGA009659	80.917	37.984	-1.091	0.0426
BGIBMGA005473	49.321	23.146	-1.091	0.0099
BGIBMGA001877	34.454	16.158	-1.092	0.0151
BGIBMGA002586	124.374	58.318	-1.093	0.0036
BGIBMGA007906	51.065	23.939	-1.093	0.0081
BGIBMGA002494	35.668	16.720	-1.093	0.0232
BGIBMGA007964	677.080	317.386	-1.093	0.0025
BGIBMGA002926	29.769	13.935	-1.095	0.0205
BGIBMGA011103	163.061	76.311	-1.095	0.0429
BGIBMGA003401	207.943	97.087	-1.099	0.0052
BGIBMGA000448	40.943	19.114	-1.099	0.0287
BGIBMGA006830	39.574	18.467	-1.100	0.0072
BGIBMGA007539	74.263	34.643	-1.100	0.0062
BGIBMGA009825	41.200	19.202	-1.101	0.0306
BGIBMGA007343	4507.150	2097.600	-1.103	0.0400
BGIBMGA002070	43.453	20.217	-1.104	0.0072
BGIBMGA011735	35.275	16.401	-1.105	0.0268
BGIBMGA010991	65.275	30.339	-1.105	0.0081
BGIBMGA006348	51.338	23.849	-1.106	0.0058
BGIBMGA005268	14.210	6.601	-1.106	0.0420
BGIBMGA004939	107.355	49.836	-1.107	0.0036
BGIBMGA001460	180.132	83.570	-1.108	0.0058
BGIBMGA006128	214.797	99.652	-1.108	0.0036
BGIBMGA003910	24.567	11.393	-1.109	0.0181
BGIBMGA004658	86.227	39.900	-1.112	0.0025
BGIBMGA003640	171.440	79.331	-1.112	0.0031
BGIBMGA012908	46.657	21.572	-1.113	0.0072
BGIBMGA004936	65.656	30.342	-1.114	0.0047
BGIBMGA012055	198.150	91.565	-1.114	0.0404
BGIBMGA001933	76.986	35.565	-1.114	0.0289
BGIBMGA012172	73.729	34.055	-1.114	0.0387
BGIBMGA006603	211.186	97.528	-1.115	0.0095
BGIBMGA000308	44.393	20.498	-1.115	0.0446
BGIBMGA010911	77.349	35.695	-1.116	0.0088
BGIBMGA000309	113.358	52.308	-1.116	0.0103
BGIBMGA000871	27.629	12.740	-1.117	0.0441



BGIBMGA001448	69.909	32.195	-1.119	0.0067
BGIBMGA006411	28.069	12.926	-1.119	0.0138
BGIBMGA006796	323.387	148.715	-1.121	0.0042
BGIBMGA011405	17.017	7.814	-1.123	0.0268
BGIBMGA005562	29.665	13.609	-1.124	0.0067
BGIBMGA004275	24.738	11.342	-1.125	0.0341
BGIBMGA008403	37.438	17.156	-1.126	0.0193
BGIBMGA008966	530.633	243.098	-1.126	0.0306
BGIBMGA004812	112.342	51.440	-1.127	0.0103
BGIBMGA003532	10.121	4.633	-1.127	0.0387
BGIBMGA003629	49.318	22.557	-1.129	0.0132
BGIBMGA006725	84.177	38.493	-1.129	0.0128
BGIBMGA012255	52.251	23.894	-1.129	0.0132
BGIBMGA000136	87.880	40.171	-1.129	0.0047
BGIBMGA011813	65.092	29.709	-1.132	0.0181
BGIBMGA009970	34.623	15.801	-1.132	0.0018
BGIBMGA003705	28.955	13.214	-1.132	0.0181
BGIBMGA001450	32.613	14.877	-1.132	0.0369
BGIBMGA004021	351.370	160.242	-1.133	0.0081
BGIBMGA003555	98.681	44.987	-1.133	0.0241
BGIBMGA006929	71.017	32.354	-1.134	0.0095
BGIBMGA011675	43.830	19.958	-1.135	0.0010
BGIBMGA009375	256.865	116.942	-1.135	0.0095
BGIBMGA012449	14.881	6.772	-1.136	0.0495
BGIBMGA009372	21.497	9.780	-1.136	0.0095
BGIBMGA003864	58.256	26.491	-1.137	0.0173
BGIBMGA001030	887.676	403.374	-1.138	0.0327
BGIBMGA011237	235.324	106.792	-1.140	0.0058
BGIBMGA014068	34.876	15.826	-1.140	0.0072
BGIBMGA012407	65.628	29.756	-1.141	0.0385
BGIBMGA000779	36.485	16.525	-1.143	0.0128
BGIBMGA008317	413.870	187.266	-1.144	0.0099
BGIBMGA011445	87.046	39.292	-1.148	0.0118
BGIBMGA004570	133.591	60.283	-1.148	0.0018
BGIBMGA008642	64.409	29.047	-1.149	0.0483
BGIBMGA013842	40.384	18.193	-1.150	0.0042
BGIBMGA001352	111.011	49.963	-1.152	0.0241
BGIBMGA010182	27.943	12.573	-1.152	0.0241
BGIBMGA000447	97.602	43.907	-1.152	0.0042
BGIBMGA006851	116.886	52.565	-1.153	0.0025
BGIBMGA004877	17.215	7.742	-1.153	0.0360
BGIBMGA012183	20.529	9.227	-1.154	0.0114
BGIBMGA014370	13.614	6.117	-1.154	0.0218
BGIBMGA007089	47.572	21.351	-1.156	0.0025
BGIBMGA005078	885.263	397.077	-1.157	0.0036
BGIBMGA007551	119.824	53.722	-1.157	0.0036
BGIBMGA011860	368.656	165.242	-1.158	0.0031
BGIBMGA011180	66.188	29.637	-1.159	0.0076
BGIBMGA012978	17.739	7.926	-1.162	0.0088
BGIBMGA004573	6835.820	3053.920	-1.162	0.0062
BGIBMGA010574	32.847	14.666	-1.163	0.0106
BGIBMGA010942	22.939	10.211	-1.168	0.0343
BGIBMGA007912	76.021	33.785	-1.170	0.0198
BGIBMGA004523	30.158	13.394	-1.171	0.0062
BGIBMGA002098	41.089	18.234	-1.172	0.0264
BGIBMGA006619	28.505	12.633	-1.174	0.0254
BGIBMGA005183	37.706	16.702	-1.175	0.0208
BGIBMGA001328	32.899	14.559	-1.176	0.0329
BGIBMGA000244	90.494	40.014	-1.177	0.0036
BGIBMGA008679	21.561	9.528	-1.178	0.0321
BGIBMGA000132	320.883	141.800	-1.178	0.0025
BGIBMGA011081	32.214	14.233	-1.178	0.0031
BGIBMGA002952	50.705	22.394	-1.179	0.0076
BGIBMGA009829	7.283	3.216	-1.179	0.0276
BGIBMGA002069	54.082	23.839	-1.182	0.0062
BGIBMGA006189	131.001	57.733	-1.182	0.0036
BGIBMGA011674	134.401	59.224	-1.182	0.0010
BGIBMGA005271	93.346	41.110	-1.183	0.0244
BGIBMGA003243	142.774	62.773	-1.186	0.0491
BGIBMGA007044	58.824	25.852	-1.186	0.0184
BGIBMGA013096	610.450	267.955	-1.188	0.0018
BGIBMGA004362	304.381	133.447	-1.190	0.0499
BGIBMGA005835	17.939	7.859	-1.191	0.0106
BGIBMGA003717	143.454	62.774	-1.192	0.0036
BGIBMGA003154	67.868	29.695	-1.193	0.0072
BGIBMGA007020	37.319	16.328	-1.193	0.0221
BGIBMGA008249	16.285	7.125	-1.193	0.0446
BGIBMGA000964	110.283	48.204	-1.194	0.0025
BGIBMGA009373	36.520	15.963	-1.194	0.0432
BGIBMGA003916	32.515	14.196	-1.196	0.0221
BGIBMGA014233	62.941	27.457	-1.197	0.0383
BGIBMGA011033	74.496	32.453	-1.199	0.0036
BGIBMGA006187	39.693	17.288	-1.199	0.0103
BGIBMGA001528	62.601	27.260	-1.199	0.0047
BGIBMGA007419	73.683	32.056	-1.201	0.0047
BGIBMGA014515	37.093	16.134	-1.201	0.0278
BGIBMGA008727	32.599	14.169	-1.202	0.0415
BGIBMGA011964	72.013	31.285	-1.203	0.0084
BGIBMGA010249	78.506	34.105	-1.203	0.0025
BGIBMGA003345	75.581	32.828	-1.203	0.0329
BGIBMGA013063	448.224	194.569	-1.204	0.0025
BGIBMGA005587	30.265	13.135	-1.204	0.0047
BGIBMGA012019	87.524	37.983	-1.204	0.0058

BGIBMGA010361	408.933	177.323	-1.205	0.0010
BGIBMGA005772	195.402	84.703	-1.206	0.0042
BGIBMGA011965	166.620	72.092	-1.209	0.0018
BGIBMGA000516	199.691	86.394	-1.209	0.0025
BGIBMGA008511	69.909	30.237	-1.209	0.0422
BGIBMGA000442	20.224	8.746	-1.209	0.0141
BGIBMGA012412	17.405	7.518	-1.211	0.0295
BGIBMGA000321	75.256	32.500	-1.211	0.0095
BGIBMGA005594	17.520	7.566	-1.211	0.0184
BGIBMGA010711	93.910	40.551	-1.212	0.0025
BGIBMGA005530	644.433	278.176	-1.212	0.0300
BGIBMGA007730	103.481	44.646	-1.213	0.0025
BGIBMGA003630	69.691	30.045	-1.214	0.0110
BGIBMGA007206	271.162	116.821	-1.215	0.0018
BGIBMGA004091	140.555	60.525	-1.216	0.0283
BGIBMGA003716	117.813	50.627	-1.219	0.0031
BGIBMGA010766	116.943	50.237	-1.219	0.0084
BGIBMGA001731	1064.100	456.394	-1.221	0.0052
BGIBMGA005097	87.327	37.401	-1.223	0.0047
BGIBMGA003284	56.428	24.161	-1.224	0.0259
BGIBMGA008884	58.918	25.218	-1.224	0.0036
BGIBMGA013677	299.903	128.184	-1.226	0.0232
BGIBMGA011825	56.436	24.114	-1.227	0.0084
BGIBMGA001297	16.763	7.149	-1.229	0.0377
BGIBMGA001396	86.239	36.730	-1.231	0.0076
BGIBMGA012753	357.308	152.125	-1.232	0.0010
BGIBMGA013025	162.306	69.066	-1.233	0.0010
BGIBMGA014294	37.024	15.752	-1.233	0.0154
BGIBMGA002930	92.984	39.497	-1.235	0.0036
BGIBMGA000896	45.690	19.391	-1.236	0.0187
BGIBMGA005474	21.479	9.114	-1.237	0.0184
BGIBMGA001770	53.082	22.524	-1.237	0.0025
BGIBMGA011528	48.761	20.678	-1.238	0.0052
BGIBMGA012096	94.907	40.243	-1.238	0.0092
BGIBMGA003730	57.562	24.406	-1.238	0.0303
BGIBMGA011512	45.754	19.395	-1.238	0.0306
BGIBMGA003446	20.971	8.889	-1.238	0.0062
BGIBMGA0006043	1062.300	450.234	-1.238	0.0010
BGIBMGA009532	27.273	11.548	-1.240	0.0391
BGIBMGA011084	64.752	27.363	-1.243	0.0031
BGIBMGA009133	461.685	195.069	-1.243	0.0031
BGIBMGA003152	34.187	14.434	-1.244	0.0164
BGIBMGA005522	62.477	26.373	-1.244	0.0025
BGIBMGA006217	82.139	34.635	-1.246	0.0095
BGIBMGA003072	77.785	32.794	-1.246	0.0195
BGIBMGA001408	11.493	4.842	-1.247	0.0286
BGIBMGA003464	53.226	22.412	-1.248	0.0036
BGIBMGA000738	68.720	28.934	-1.248	0.0264
BGIBMGA004739	77.865	32.768	-1.249	0.0042
BGIBMGA004534	200.357	84.243	-1.250	0.0018
BGIBMGA006935	63.268	26.582	-1.251	0.0031
BGIBMGA006162	94.166	39.519	-1.253	0.0025
BGIBMGA005875	17.135	7.188	-1.253	0.0170
BGIBMGA005667	44.741	18.762	-1.254	0.0088
BGIBMGA004231	4526.410	1897.470	-1.254	0.0010
BGIBMGA005733	75.930	31.762	-1.257	0.0132
BGIBMGA003178	110.995	46.395	-1.258	0.0010
BGIBMGA004118	5.885	2.453	-1.263	0.0281
BGIBMGA006637	37.897	15.787	-1.263	0.0154
BGIBMGA007360	39.843	16.596	-1.264	0.0387
BGIBMGA014269	169.876	70.694	-1.265	0.0018
BGIBMGA000420	18.555	7.711	-1.267	0.0330
BGIBMGA003659	24.749	10.282	-1.267	0.0193
BGIBMGA005512	24.072	9.996	-1.268	0.0211
BGIBMGA005747	12.578	5.223	-1.268	0.0125
BGIBMGA006844	12.167	5.049	-1.269	0.0360
BGIBMGA004062	18.615	7.721	-1.270	0.0305
BGIBMGA013030	24.636	10.215	-1.270	0.0072
BGIBMGA004000	46.842	19.421	-1.270	0.0202
BGIBMGA013801	173.940	71.999	-1.273	0.0010
BGIBMGA010874	11.186	4.625	-1.274	0.0099
BGIBMGA008105	19.334	7.978	-1.277	0.0311
BGIBMGA000759	12626.600	5205.530	-1.278	0.0010
BGIBMGA000060	13.715	5.653	-1.279	0.0164
BGIBMGA004616	19.415	8.003	-1.279	0.0141
BGIBMGA006036	22.413	9.211	-1.283	0.0125
BGIBMGA000456	29.725	12.208	-1.284	0.0010
BGIBMGA010925	86.790	35.637	-1.284	0.0031
BGIBMGA014500	1087.920	446.680	-1.284	0.0160
BGIBMGA008491	107.968	44.309	-1.285	0.0036
BGIBMGA009164	20.238	8.285	-1.288	0.0499
BGIBMGA006171	60.349	24.663	-1.291	0.0025
BGIBMGA005534	77.448	31.647	-1.291	0.0076
BGIBMGA001579	37.270	15.217	-1.292	0.0205
BGIBMGA013485	12.595	5.141	-1.293	0.0306
BGIBMGA012672	81.587	33.301	-1.293	0.0135
BGIBMGA007009	4.619	1.885	-1.293	0.0432
BGIBMGA001350	20.060	8.177	-1.295	0.0305
BGIBMGA003995	15.058	6.134	-1.296	0.0327
BGIBMGA000233	196.183	79.883	-1.296	0.0106
BGIBMGA002851	70.105	28.539	-1.297	0.0025
BGIBMGA002280	3416.230	1389.950	-1.297	0.0025
BGIBMGA007109	178.006	72.397	-1.298	0.0036

BGIBMGA012668	73.821	30.001	-1.299	0.0025
BGIBMGA002483	12.628	5.127	-1.300	0.0072
BGIBMGA001167	172.518	70.021	-1.301	0.0010
BGIBMGA001270	95.068	38.580	-1.301	0.0031
BGIBMGA008576	12.359	5.015	-1.301	0.0400
BGIBMGA002658	31.090	12.601	-1.303	0.0306
BGIBMGA013442	16.792	6.805	-1.303	0.0018
BGIBMGA005601	63.777	25.830	-1.304	0.0010
BGIBMGA010331	17.737	7.180	-1.305	0.0474
BGIBMGA002990	60.419	24.428	-1.306	0.0267
BGIBMGA002660	40.013	16.173	-1.307	0.0084
BGIBMGA010558	11.771	4.756	-1.308	0.0138
BGIBMGA008490	11.897	4.801	-1.309	0.0274
BGIBMGA010477	30.653	12.366	-1.310	0.0154
BGIBMGA004514	8.097	3.264	-1.311	0.0218
BGIBMGA013713	6300.240	2536.230	-1.313	0.0241
BGIBMGA001580	41.206	16.565	-1.315	0.0160
BGIBMGA002762	58.013	23.284	-1.317	0.0446
BGIBMGA012856	20.006	8.029	-1.317	0.0018
BGIBMGA010135	63.262	25.384	-1.317	0.0010
BGIBMGA001428	43.393	17.394	-1.319	0.0036
BGIBMGA013768	63.041	25.243	-1.320	0.0106
BGIBMGA002692	64.368	25.687	-1.325	0.0025
BGIBMGA001136	1030.980	410.708	-1.328	0.0036
BGIBMGA001552	169.393	67.445	-1.329	0.0010
BGIBMGA011587	26.236	10.439	-1.330	0.0010
BGIBMGA008658	34.436	13.700	-1.330	0.0010
BGIBMGA003690	4.925	1.957	-1.332	0.0062
BGIBMGA003732	37.107	14.734	-1.332	0.0173
BGIBMGA007067	77.669	30.825	-1.333	0.0226
BGIBMGA000072	132.825	52.650	-1.335	0.0010
BGIBMGA010333	167.679	66.337	-1.338	0.0036
BGIBMGA012660	22.063	8.715	-1.340	0.0413
BGIBMGA001344	38.109	15.042	-1.341	0.0422
BGIBMGA000928	12.553	4.920	-1.351	0.0374
BGIBMGA010461	40.032	15.683	-1.352	0.0047
BGIBMGA001281	78.493	30.737	-1.353	0.0047
BGIBMGA002896	46.932	18.370	-1.353	0.0148
BGIBMGA011030	17.302	6.770	-1.354	0.0106
BGIBMGA014057	603.509	236.090	-1.354	0.0010
BGIBMGA003722	85.241	33.334	-1.355	0.0218
BGIBMGA006202	14.372	5.618	-1.355	0.0132
BGIBMGA000200	22.876	8.941	-1.355	0.0076
BGIBMGA011459	154.945	60.524	-1.356	0.0047
BGIBMGA005540	11.207	4.377	-1.356	0.0353
BGIBMGA008190	45.549	17.772	-1.358	0.0025
BGIBMGA006613	237.662	92.571	-1.360	0.0010
BGIBMGA009467	310.422	120.834	-1.361	0.0010
BGIBMGA002731	23.717	9.227	-1.362	0.0095
BGIBMGA008551	136.179	52.975	-1.362	0.0010
BGIBMGA014231	9.406	3.659	-1.362	0.0369
BGIBMGA000551	381.678	148.188	-1.365	0.0084
BGIBMGA012960	252.205	97.884	-1.365	0.0092
BGIBMGA012831	54.789	21.263	-1.366	0.0110
BGIBMGA008238	207.628	80.577	-1.366	0.0010
BGIBMGA012506	81.616	31.660	-1.366	0.0067
BGIBMGA014496	4476.670	1736.550	-1.366	0.0010
BGIBMGA000217	28.387	11.006	-1.367	0.0364
BGIBMGA004022	530.349	205.547	-1.367	0.0010
BGIBMGA006846	46.833	18.151	-1.368	0.0010
BGIBMGA008648	169.081	65.479	-1.369	0.0025
BGIBMGA002180	18.474	7.151	-1.369	0.0084
BGIBMGA000544	55.747	21.579	-1.369	0.0010
BGIBMGA003709	11.641	4.501	-1.371	0.0415
BGIBMGA004947	19.034	7.351	-1.373	0.0160
BGIBMGA001873	1917.840	740.634	-1.373	0.0047
BGIBMGA000971	740.337	285.742	-1.373	0.0010
BGIBMGA009335	15.152	5.843	-1.375	0.0306
BGIBMGA007182	13.815	5.327	-1.375	0.0351
BGIBMGA007107	92.143	35.490	-1.376	0.0010
BGIBMGA010580	60.492	23.297	-1.377	0.0010
BGIBMGA006689	11.852	4.559	-1.378	0.0164
BGIBMGA010330	14.792	5.688	-1.379	0.0067
BGIBMGA001330	63.388	24.363	-1.380	0.0018
BGIBMGA008757	15.966	6.125	-1.382	0.0349
BGIBMGA003512	22.657	8.652	-1.389	0.0241
BGIBMGA000788	221.508	84.556	-1.389	0.0010
BGIBMGA002547	47.718	18.191	-1.391	0.0010
BGIBMGA000974	95.679	36.463	-1.392	0.0306
BGIBMGA002476	80.271	30.568	-1.393	0.0010
BGIBMGA004417	133.886	50.939	-1.394	0.0031
BGIBMGA005787	68.592	26.048	-1.397	0.0327
BGIBMGA003697	95.481	36.255	-1.397	0.0010
BGIBMGA013028	20.053	7.614	-1.397	0.0342
BGIBMGA014601	113.769	43.193	-1.397	0.0181
BGIBMGA004666	225.004	85.386	-1.398	0.0025
BGIBMGA011017	26.784	10.156	-1.399	0.0216
BGIBMGA011531	221.736	84.035	-1.400	0.0010
BGIBMGA007205	492.609	186.678	-1.400	0.0067
BGIBMGA012958	21.451	8.125	-1.401	0.0377
BGIBMGA010180	39.769	15.033	-1.403	0.0018
BGIBMGA011571	154.914	58.401	-1.407	0.0042
BGIBMGA001797	78.541	29.601	-1.408	0.0058

BGIBMGA002413	70.353	26.510	-1.408	0.0010
BGIBMGA010272	69.675	26.253	-1.408	0.0110
BGIBMGA010603	40.052	15.089	-1.408	0.0010
BGIBMGA014423	22.518	8.476	-1.410	0.0259
BGIBMGA008634	11.212	4.216	-1.411	0.0293
BGIBMGA003867	37.820	14.221	-1.411	0.0062
BGIBMGA011672	75.243	28.291	-1.411	0.0010
BGIBMGA009605	97.030	36.354	-1.416	0.0010
BGIBMGA007847	40.132	15.002	-1.420	0.0031
BGIBMGA002845	30.126	11.260	-1.420	0.0010
BGIBMGA010389	20.675	7.724	-1.421	0.0499
BGIBMGA001373	91.244	34.063	-1.422	0.0010
BGIBMGA000401	10.157	3.791	-1.422	0.0274
BGIBMGA009945	12.906	4.816	-1.422	0.0088
BGIBMGA011360	30.854	11.506	-1.423	0.0031
BGIBMGA008592	29.000	10.807	-1.424	0.0092
BGIBMGA008374	41.786	15.568	-1.424	0.0132
BGIBMGA012631	7.283	2.713	-1.425	0.0072
BGIBMGA008926	39.405	14.642	-1.428	0.0010
BGIBMGA004450	7.004	2.600	-1.430	0.0287
BGIBMGA004579	38.655	14.297	-1.435	0.0018
BGIBMGA009883	31.416	11.619	-1.435	0.0010
BGIBMGA011663	72.393	26.751	-1.436	0.0132
BGIBMGA013199	45.479	16.802	-1.437	0.0010
BGIBMGA013997	26.235	9.687	-1.437	0.0010
BGIBMGA012095	71.067	26.233	-1.438	0.0010
BGIBMGA000529	85.089	31.394	-1.438	0.0010
BGIBMGA005299	3815.230	1405.510	-1.441	0.0349
BGIBMGA012548	25.017	9.198	-1.444	0.0278
BGIBMGA006601	173.132	63.649	-1.444	0.0010
BGIBMGA000218	204.934	75.141	-1.447	0.0084
BGIBMGA005213	248.364	90.984	-1.449	0.0276
BGIBMGA000645	7.615	2.789	-1.449	0.0439
BGIBMGA004989	390.276	142.879	-1.450	0.0018
BGIBMGA013381	56.617	20.724	-1.450	0.0226
BGIBMGA013824	12.662	4.634	-1.450	0.0058
BGIBMGA007242	135.503	49.590	-1.450	0.0010
BGIBMGA000615	10.869	3.965	-1.455	0.0052
BGIBMGA007656	157.662	57.447	-1.457	0.0154
BGIBMGA009967	134.333	48.945	-1.457	0.0010
BGIBMGA001814	53.294	19.398	-1.458	0.0010
BGIBMGA004781	53.928	19.570	-1.462	0.0276
BGIBMGA011826	16.466	5.973	-1.463	0.0486
BGIBMGA012416	27.024	9.797	-1.464	0.0067
BGIBMGA010592	11.200	4.058	-1.465	0.0494
BGIBMGA011095	46.536	16.856	-1.465	0.0216
BGIBMGA003301	2543.080	920.934	-1.465	0.0010
BGIBMGA013728	123.941	44.807	-1.468	0.0121
BGIBMGA002120	15.957	5.766	-1.468	0.0313
BGIBMGA007181	58.171	21.006	-1.469	0.0261
BGIBMGA003422	5713.260	2061.750	-1.470	0.0010
BGIBMGA005146	48.454	17.471	-1.472	0.0052
BGIBMGA012909	56.192	20.254	-1.472	0.0103
BGIBMGA009916	67.272	24.211	-1.474	0.0239
BGIBMGA002857	41.310	14.858	-1.475	0.0072
BGIBMGA013983	145.401	52.271	-1.476	0.0125
BGIBMGA010710	85.076	30.579	-1.476	0.0010
BGIBMGA009323	61.186	21.990	-1.476	0.0128
BGIBMGA003034	21.924	7.879	-1.476	0.0237
BGIBMGA002591	5.305	1.905	-1.478	0.0393
BGIBMGA011918	11.908	4.272	-1.479	0.0426
BGIBMGA010899	184.429	66.125	-1.480	0.0010
BGIBMGA011814	18.533	6.640	-1.481	0.0018
BGIBMGA013336	4.743	1.699	-1.481	0.0497
BGIBMGA006330	49.731	17.810	-1.481	0.0010
BGIBMGA003515	233.840	83.710	-1.482	0.0010
BGIBMGA007380	37.481	13.414	-1.482	0.0018
BGIBMGA004035	497.725	178.087	-1.483	0.0031
BGIBMGA004753	47.332	16.935	-1.483	0.0247
BGIBMGA004343	674.252	240.911	-1.485	0.0058
BGIBMGA002451	12.870	4.595	-1.486	0.0237
BGIBMGA005899	66.548	23.698	-1.490	0.0010
BGIBMGA005362	90.377	32.173	-1.490	0.0429
BGIBMGA007875	175.287	62.373	-1.491	0.0010
BGIBMGA007352	67.974	24.186	-1.491	0.0114
BGIBMGA008650	209.029	74.370	-1.491	0.0424
BGIBMGA013245	75.631	26.900	-1.491	0.0010
BGIBMGA005582	87.936	31.272	-1.492	0.0031
BGIBMGA008277	24.869	8.840	-1.492	0.0141
BGIBMGA003385	127.656	45.222	-1.497	0.0010
BGIBMGA007034	21.178	7.500	-1.498	0.0099
BGIBMGA002631	38.652	13.685	-1.498	0.0052
BGIBMGA007271	45.933	16.221	-1.502	0.0047
BGIBMGA002760	262.154	92.513	-1.503	0.0067
BGIBMGA006636	10.939	3.860	-1.503	0.0176
BGIBMGA003107	23.132	8.160	-1.503	0.0239
BGIBMGA001588	114.511	40.310	-1.506	0.0067
BGIBMGA009522	23.515	8.277	-1.506	0.0237
BGIBMGA013979	28.880	10.165	-1.506	0.0160
BGIBMGA003388	34.355	12.075	-1.509	0.0114
BGIBMGA013851	14.979	5.260	-1.510	0.0025
BGIBMGA003660	344.758	120.953	-1.511	0.0010
BGIBMGA004178	16.474	5.778	-1.512	0.0160

BGIBMGA008981	49.944	17.516	-1.512	0.0406
BGIBMGA005310	66.606	23.324	-1.514	0.0010
BGIBMGA008130	19.108	6.683	-1.516	0.0010
BGIBMGA003955	45.286	15.826	-1.517	0.0010
BGIBMGA000643	7.744	2.703	-1.518	0.0469
BGIBMGA011939	49.878	17.385	-1.521	0.0072
BGIBMGA001751	117.827	41.039	-1.522	0.0025
BGIBMGA004545	8.572	2.985	-1.522	0.0081
BGIBMGA012794	62.089	21.579	-1.525	0.0010
BGIBMGA009385	223.290	77.601	-1.525	0.0213
BGIBMGA010138	17.015	5.905	-1.527	0.0025
BGIBMGA008734	20.644	7.156	-1.528	0.0397
BGIBMGA007394	21.736	7.525	-1.530	0.0446
BGIBMGA001045	31.972	11.050	-1.533	0.0173
BGIBMGA003223	44.627	15.365	-1.538	0.0010
BGIBMGA004120	52.456	18.007	-1.543	0.0010
BGIBMGA000843	17.953	6.157	-1.544	0.0173
BGIBMGA007868	610.315	209.155	-1.545	0.0010
BGIBMGA011326	3.285	1.125	-1.546	0.0406
BGIBMGA003486	16.784	5.746	-1.546	0.0141
BGIBMGA006798	25.953	8.883	-1.547	0.0424
BGIBMGA006729	50.808	17.385	-1.547	0.0125
BGIBMGA013795	4.871	1.665	-1.549	0.0400
BGIBMGA011108	73.100	24.984	-1.549	0.0031
BGIBMGA011572	122.222	41.674	-1.552	0.0010
BGIBMGA008715	78.561	26.783	-1.553	0.0195
BGIBMGA011406	46.465	15.824	-1.554	0.0181
BGIBMGA011117	147.630	50.273	-1.554	0.0178
BGIBMGA001245	30.501	10.386	-1.554	0.0025
BGIBMGA003399	117.220	39.860	-1.556	0.0010
BGIBMGA011261	257.547	87.568	-1.556	0.0010
BGIBMGA009101	619.169	210.315	-1.558	0.0010
BGIBMGA005536	179.441	60.800	-1.561	0.0047
BGIBMGA011290	13.480	4.556	-1.565	0.0072
BGIBMGA001338	50.432	17.009	-1.568	0.0067
BGIBMGA009524	9.765	3.292	-1.569	0.0135
BGIBMGA008543	44.366	14.939	-1.570	0.0262
BGIBMGA010932	31.718	10.678	-1.571	0.0276
BGIBMGA010194	23.168	7.794	-1.572	0.0018
BGIBMGA002419	29.715	9.996	-1.572	0.0010
BGIBMGA010246	6585.080	2212.290	-1.574	0.0018
BGIBMGA003147	73.584	24.714	-1.574	0.0052
BGIBMGA002531	84.468	28.323	-1.576	0.0144
BGIBMGA007117	6.012	2.015	-1.577	0.0347
BGIBMGA002217	78.505	26.311	-1.577	0.0141
BGIBMGA001282	106.338	35.635	-1.577	0.0010
BGIBMGA010158	39.504	13.232	-1.578	0.0042
BGIBMGA009612	24.558	8.216	-1.580	0.0339
BGIBMGA000942	40.946	13.688	-1.581	0.0167
BGIBMGA011057	93.221	31.157	-1.581	0.0010
BGIBMGA007467	92.151	30.755	-1.583	0.0018
BGIBMGA000137	57.486	19.159	-1.585	0.0036
BGIBMGA013328	162.601	54.110	-1.587	0.0010
BGIBMGA005708	17.853	5.941	-1.587	0.0342
BGIBMGA001488	18.867	6.271	-1.589	0.0334
BGIBMGA005433	33.038	10.977	-1.590	0.0018
BGIBMGA013655	62.268	20.686	-1.590	0.0010
BGIBMGA013298	4.063	1.345	-1.595	0.0332
BGIBMGA011231	25.443	8.422	-1.595	0.0010
BGIBMGA001018	61.099	20.225	-1.595	0.0047
BGIBMGA011306	18.748	6.205	-1.595	0.0010
BGIBMGA009317	16.074	5.317	-1.596	0.0148
BGIBMGA007528	62.885	20.796	-1.596	0.0346
BGIBMGA008721	149.293	49.299	-1.599	0.0010
BGIBMGA006467	5.259	1.734	-1.601	0.0349
BGIBMGA007604	73.755	24.312	-1.601	0.0010
BGIBMGA005091	78.737	25.951	-1.601	0.0010
BGIBMGA004826	42.307	13.923	-1.603	0.0259
BGIBMGA004243	97.665	32.120	-1.604	0.0010
BGIBMGA006678	13.326	4.380	-1.605	0.0018
BGIBMGA001493	4.741	1.557	-1.606	0.0309
BGIBMGA002678	23.919	7.847	-1.608	0.0047
BGIBMGA002745	24.078	7.896	-1.609	0.0158
BGIBMGA005033	20.088	6.584	-1.609	0.0330
BGIBMGA011738	19.094	6.244	-1.613	0.0121
BGIBMGA005529	39.880	13.019	-1.615	0.0018
BGIBMGA012526	70.477	22.985	-1.616	0.0010
BGIBMGA012391	9.137	2.973	-1.620	0.0261
BGIBMGA005790	292.805	95.227	-1.621	0.0184
BGIBMGA009191	24.076	7.807	-1.625	0.0010
BGIBMGA009923	88.475	28.655	-1.626	0.0052
BGIBMGA010125	25.216	8.135	-1.632	0.0121
BGIBMGA006617	46.854	15.114	-1.632	0.0010
BGIBMGA011449	10.707	3.450	-1.634	0.0278
BGIBMGA010869	7.902	2.546	-1.634	0.0121
BGIBMGA013394	18.844	6.065	-1.636	0.0121
BGIBMGA009228	102.009	32.825	-1.636	0.0010
BGIBMGA005058	1411.480	453.765	-1.637	0.0036
BGIBMGA003295	14.407	4.629	-1.638	0.0088
BGIBMGA008001	57.850	18.587	-1.638	0.0010
BGIBMGA014129	51.657	16.573	-1.640	0.0138
BGIBMGA005685	4.962	1.588	-1.643	0.0239
BGIBMGA011745	156.329	50.003	-1.645	0.0261

BGIBMGA010343	37.305	11.919	-1.646	0.0010
BGIBMGA011498	21.253	6.780	-1.648	0.0110
BGIBMGA011301	45.328	14.444	-1.650	0.0081
BGIBMGA014379	24.902	7.933	-1.650	0.0121
BGIBMGA010567	32.726	10.390	-1.655	0.0247
BGIBMGA001598	30.577	9.703	-1.656	0.0226
BGIBMGA000410	55.357	17.562	-1.656	0.0010
BGIBMGA000418	65.370	20.727	-1.657	0.0018
BGIBMGA003011	41.563	13.155	-1.660	0.0018
BGIBMGA011536	21.247	6.709	-1.663	0.0092
BGIBMGA008904	36.941	11.658	-1.664	0.0018
BGIBMGA013971	267.683	84.168	-1.669	0.0010
BGIBMGA012773	141.391	44.380	-1.672	0.0010
BGIBMGA003145	32.914	10.328	-1.672	0.0010
BGIBMGA007209	142.276	44.625	-1.673	0.0010
BGIBMGA007606	83.316	26.113	-1.674	0.0025
BGIBMGA001008	35.773	11.202	-1.675	0.0042
BGIBMGA008273	32.662	10.228	-1.675	0.0031
BGIBMGA000568	18.632	5.830	-1.676	0.0181
BGIBMGA012641	70.516	22.063	-1.676	0.0244
BGIBMGA011085	14.512	4.539	-1.677	0.0010
BGIBMGA012624	13.470	4.207	-1.679	0.0095
BGIBMGA005682	22.229	6.942	-1.679	0.0110
BGIBMGA005077	17.910	5.590	-1.680	0.0251
BGIBMGA006126	32.307	10.083	-1.680	0.0254
BGIBMGA011723	69.933	21.796	-1.682	0.0398
BGIBMGA001934	136.257	42.306	-1.687	0.0010
BGIBMGA008467	71.969	22.334	-1.688	0.0010
BGIBMGA003526	31.426	9.707	-1.695	0.0036
BGIBMGA001250	23.826	7.347	-1.697	0.0088
BGIBMGA003750	40.635	12.530	-1.697	0.0311
BGIBMGA001935	167.453	51.596	-1.698	0.0010
BGIBMGA011755	91.755	28.176	-1.703	0.0010
BGIBMGA014084	20.141	6.174	-1.706	0.0042
BGIBMGA005380	221.929	67.974	-1.707	0.0072
BGIBMGA003775	20.864	6.380	-1.709	0.0076
BGIBMGA003795	18.438	5.624	-1.713	0.0346
BGIBMGA010764	10.828	3.297	-1.716	0.0213
BGIBMGA010810	10.838	3.297	-1.717	0.0471
BGIBMGA009139	253.771	77.047	-1.720	0.0010
BGIBMGA006839	184.075	55.777	-1.723	0.0010
BGIBMGA008546	36.323	10.992	-1.724	0.0364
BGIBMGA005680	4.388	1.327	-1.725	0.0239
BGIBMGA001098	43.633	13.168	-1.728	0.0010
BGIBMGA002946	13.197	3.976	-1.731	0.0010
BGIBMGA012173	81.576	24.528	-1.734	0.0221
BGIBMGA003199	56.076	16.859	-1.734	0.0010
BGIBMGA002528	35.918	10.792	-1.735	0.0208
BGIBMGA006005	19.853	5.961	-1.736	0.0018
BGIBMGA009256	20.941	6.280	-1.738	0.0413
BGIBMGA004511	6.056	1.809	-1.743	0.0450
BGIBMGA012748	42.960	12.830	-1.744	0.0461
BGIBMGA014448	286.182	85.199	-1.748	0.0010
BGIBMGA012488	14.334	4.264	-1.749	0.0010
BGIBMGA005316	1722.690	512.233	-1.750	0.0010
BGIBMGA010092	13.175	3.917	-1.750	0.0216
BGIBMGA010568	66.176	19.637	-1.753	0.0010
BGIBMGA004432	10.093	2.993	-1.754	0.0213
BGIBMGA013185	72.333	21.448	-1.754	0.0072
BGIBMGA014261	18.817	5.575	-1.755	0.0178
BGIBMGA007462	24.785	7.343	-1.755	0.0018
BGIBMGA004325	23.314	6.896	-1.757	0.0010
BGIBMGA010855	30.328	8.969	-1.758	0.0178
BGIBMGA003778	12.854	3.795	-1.760	0.0497
BGIBMGA006466	10.849	3.202	-1.761	0.0480
BGIBMGA009015	4.470	1.317	-1.763	0.0484
BGIBMGA008876	16.460	4.849	-1.763	0.0190
BGIBMGA000057	48.731	14.346	-1.764	0.0164
BGIBMGA013889	28.210	8.301	-1.765	0.0072
BGIBMGA011807	64.659	18.997	-1.767	0.0010
BGIBMGA013156	15.799	4.637	-1.768	0.0173
BGIBMGA005526	27.873	8.177	-1.769	0.0010
BGIBMGA006905	153.273	44.902	-1.771	0.0010
BGIBMGA007610	45.067	13.192	-1.772	0.0193
BGIBMGA008430	43.876	12.840	-1.773	0.0144
BGIBMGA008841	30.187	8.815	-1.776	0.0052
BGIBMGA003255	47.014	13.682	-1.781	0.0018
BGIBMGA001482	1371.440	398.909	-1.782	0.0025
BGIBMGA002847	450.958	130.964	-1.784	0.0010
BGIBMGA003639	12.481	3.621	-1.785	0.0031
BGIBMGA006416	63.145	18.316	-1.786	0.0135
BGIBMGA011193	29.523	8.521	-1.793	0.0010
BGIBMGA005553	31.240	9.015	-1.793	0.0450
BGIBMGA008882	20.756	5.985	-1.794	0.0010
BGIBMGA011535	17.648	5.072	-1.799	0.0010
BGIBMGA014255	13.927	3.977	-1.808	0.0391
BGIBMGA013940	20.589	5.861	-1.813	0.0283
BGIBMGA013755	22.797	6.478	-1.815	0.0160
BGIBMGA007397	289.787	82.297	-1.816	0.0010
BGIBMGA006331	412.584	117.130	-1.817	0.0382
BGIBMGA001269	35.105	9.935	-1.821	0.0178
BGIBMGA013812	14.303	4.040	-1.824	0.0339
BGIBMGA003099	13.839	3.903	-1.826	0.0158

BGIBMGA011415	14.519	4.091	-1.827	0.0406
BGIBMGA006569	3.315	0.930	-1.833	0.0355
BGIBMGA005051	54.694	15.347	-1.833	0.0018
BGIBMGA007627	39.528	11.064	-1.837	0.0419
BGIBMGA014541	16.217	4.513	-1.845	0.0369
BGIBMGA004702	19.082	5.304	-1.847	0.0084
BGIBMGA007486	46.603	12.907	-1.852	0.0025
BGIBMGA001547	86.696	24.010	-1.852	0.0010
BGIBMGA009199	403.173	111.458	-1.855	0.0010
BGIBMGA002148	1.589	0.439	-1.857	0.0325
BGIBMGA000639	17.715	4.890	-1.857	0.0309
BGIBMGA007899	138.589	38.204	-1.859	0.0010
BGIBMGA011902	41.585	11.458	-1.860	0.0010
BGIBMGA002886	230.397	63.468	-1.860	0.0010
BGIBMGA000241	6.636	1.817	-1.868	0.0128
BGIBMGA010599	13.511	3.696	-1.870	0.0099
BGIBMGA006100	841.337	230.123	-1.870	0.0110
BGIBMGA001224	6.465	1.766	-1.872	0.0366
BGIBMGA006167	34.826	9.473	-1.878	0.0099
BGIBMGA008065	5.285	1.436	-1.880	0.0264
BGIBMGA006112	4.436	1.203	-1.882	0.0349
BGIBMGA012524	478.051	129.628	-1.883	0.0254
BGIBMGA005365	32.918	8.918	-1.884	0.0010
BGIBMGA011253	9234.250	2500.800	-1.885	0.0010
BGIBMGA000827	17.399	4.707	-1.886	0.0114
BGIBMGA013770	7.701	2.083	-1.886	0.0313
BGIBMGA006492	38.600	10.426	-1.888	0.0047
BGIBMGA008633	14.495	3.903	-1.893	0.0160
BGIBMGA010185	12.867	3.465	-1.893	0.0036
BGIBMGA005908	87.143	23.435	-1.895	0.0025
BGIBMGA009459	45.845	12.233	-1.906	0.0072
BGIBMGA002809	76.352	20.356	-1.907	0.0106
BGIBMGA003364	47.329	12.610	-1.908	0.0106
BGIBMGA003516	497.236	131.739	-1.916	0.0095
BGIBMGA005277	525.495	139.130	-1.917	0.0018
BGIBMGA014029	70.229	18.529	-1.922	0.0010
BGIBMGA012359	9.136	2.409	-1.923	0.0300
BGIBMGA012667	56.746	14.930	-1.926	0.0084
BGIBMGA008132	487.438	127.949	-1.930	0.0010
BGIBMGA009654	553.218	144.869	-1.933	0.0291
BGIBMGA012588	21.253	5.555	-1.936	0.0088
BGIBMGA009621	8.327	2.175	-1.936	0.0264
BGIBMGA005851	27.365	7.127	-1.941	0.0010
BGIBMGA007510	42.641	11.091	-1.943	0.0018
BGIBMGA010374	444.288	115.521	-1.943	0.0088
BGIBMGA006101	22.826	5.933	-1.944	0.0072
BGIBMGA006675	21.452	5.539	-1.953	0.0121
BGIBMGA010813	28.207	7.271	-1.956	0.0264
BGIBMGA002746	275.047	70.559	-1.963	0.0010
BGIBMGA007372	15.844	4.060	-1.964	0.0025
BGIBMGA011289	13.465	3.439	-1.969	0.0084
BGIBMGA007598	7.988	2.039	-1.970	0.0268
BGIBMGA007249	21.958	5.592	-1.973	0.0088
BGIBMGA002183	18.069	4.592	-1.976	0.0268
BGIBMGA007273	32.743	8.316	-1.977	0.0010
BGIBMGA006577	40.098	10.123	-1.986	0.0018
BGIBMGA010508	38.603	9.733	-1.988	0.0047
BGIBMGA003254	3096.980	779.461	-1.990	0.0010
BGIBMGA012589	83.013	20.857	-1.993	0.0084
BGIBMGA000624	11.579	2.907	-1.994	0.0010
BGIBMGA001410	4.270	1.070	-1.997	0.0198
BGIBMGA005172	31.773	7.957	-1.998	0.0110
BGIBMGA011740	31.927	7.992	-1.998	0.0241
BGIBMGA002617	4.115	1.029	-2.000	0.0211
BGIBMGA006473	24.340	6.087	-2.000	0.0081
BGIBMGA010699	73.086	18.237	-2.003	0.0010
BGIBMGA002738	1168.790	290.408	-2.009	0.0010
BGIBMGA013312	24.318	6.041	-2.009	0.0216
BGIBMGA009834	248.175	61.552	-2.011	0.0010
BGIBMGA013168	35.231	8.714	-2.015	0.0052
BGIBMGA011077	71.842	17.749	-2.017	0.0010
BGIBMGA005344	25.023	6.180	-2.018	0.0239
BGIBMGA012382	10.685	2.636	-2.019	0.0264
BGIBMGA012513	51.923	12.804	-2.020	0.0010
BGIBMGA001782	182.469	44.926	-2.022	0.0218
BGIBMGA013411	88.897	21.849	-2.025	0.0018
BGIBMGA004177	21.592	5.306	-2.025	0.0232
BGIBMGA002573	8.070	1.980	-2.027	0.0076
BGIBMGA007677	310.304	76.063	-2.028	0.0010
BGIBMGA006268	29.946	7.276	-2.041	0.0176
BGIBMGA004533	132.624	32.210	-2.042	0.0010
BGIBMGA005054	2041.640	494.953	-2.044	0.0211
BGIBMGA007046	30.141	7.272	-2.051	0.0047
BGIBMGA002503	127.538	30.736	-2.053	0.0081
BGIBMGA012114	53.354	12.854	-2.053	0.0010
BGIBMGA004371	48.808	11.691	-2.062	0.0010
BGIBMGA012139	79.645	19.051	-2.064	0.0072
BGIBMGA006954	157.022	37.532	-2.065	0.0010
BGIBMGA007492	21.401	5.101	-2.069	0.0148
BGIBMGA001260	239.654	57.081	-2.070	0.0062
BGIBMGA012838	167.704	39.890	-2.072	0.0010
BGIBMGA010332	5.041	1.198	-2.073	0.0084
BGIBMGA003773	8.955	2.125	-2.075	0.0283

BGIBMGA010237	27.295	6.475	-2.076	0.0235
BGIBMGA007678	128.429	30.455	-2.076	0.0010
BGIBMGA004242	143.227	33.881	-2.080	0.0018
BGIBMGA007588	42.081	9.940	-2.082	0.0042
BGIBMGA009235	335.189	78.861	-2.088	0.0010
BGIBMGA008512	64.232	15.097	-2.089	0.0025
BGIBMGA014260	15.641	3.672	-2.091	0.0072
BGIBMGA004228	19.729	4.627	-2.092	0.0118
BGIBMGA009652	798.430	186.549	-2.098	0.0058
BGIBMGA007016	25.376	5.921	-2.100	0.0036
BGIBMGA000885	241.661	56.385	-2.100	0.0010
BGIBMGA009854	45.165	10.530	-2.101	0.0010
BGIBMGA005627	20.046	4.670	-2.102	0.0010
BGIBMGA006740	31.201	7.256	-2.104	0.0010
BGIBMGA001424	130.937	30.421	-2.106	0.0042
BGIBMGA006781	797.849	185.365	-2.106	0.0138
BGIBMGA001878	105.362	24.445	-2.108	0.0010
BGIBMGA005525	9.661	2.236	-2.111	0.0042
BGIBMGA006745	7.809	1.793	-2.123	0.0198
BGIBMGA000988	21.426	4.904	-2.127	0.0010
BGIBMGA000580	22.159	5.056	-2.132	0.0135
BGIBMGA003479	32.260	7.355	-2.133	0.0010
BGIBMGA008298	616.049	139.757	-2.140	0.0170
BGIBMGA002565	1215.560	275.633	-2.141	0.0010
BGIBMGA011265	23.385	5.268	-2.150	0.0010
BGIBMGA001332	38.066	8.525	-2.159	0.0047
BGIBMGA003229	79.143	17.723	-2.159	0.0010
BGIBMGA001589	85.387	19.055	-2.164	0.0010
BGIBMGA012564	37.491	8.353	-2.166	0.0148
BGIBMGA006961	20.926	4.656	-2.168	0.0010
BGIBMGA003870	12.529	2.782	-2.171	0.0042
BGIBMGA009750	7.494	1.662	-2.173	0.0141
BGIBMGA004119	41.390	9.153	-2.177	0.0036
BGIBMGA006406	5.267	1.161	-2.181	0.0138
BGIBMGA008942	16.967	3.732	-2.185	0.0154
BGIBMGA006283	2.434	0.535	-2.186	0.0164
BGIBMGA002499	44.936	9.864	-2.188	0.0010
BGIBMGA006057	31.559	6.925	-2.188	0.0031
BGIBMGA003950	30.232	6.615	-2.192	0.0010
BGIBMGA008012	17.018	3.723	-2.192	0.0160
BGIBMGA011124	22.491	4.900	-2.198	0.0010
BGIBMGA004324	17.590	3.784	-2.217	0.0353
BGIBMGA012796	134.801	28.915	-2.221	0.0018
BGIBMGA014449	5.111	1.096	-2.221	0.0099
BGIBMGA003287	11.544	2.473	-2.223	0.0154
BGIBMGA007154	22.602	4.830	-2.226	0.0010
BGIBMGA012688	29.384	6.266	-2.229	0.0010
BGIBMGA006272	7.515	1.602	-2.230	0.0360
BGIBMGA003719	359.754	76.408	-2.235	0.0010
BGIBMGA010779	9.060	1.921	-2.238	0.0010
BGIBMGA013130	5.252	1.109	-2.244	0.0491
BGIBMGA007993	15.684	3.293	-2.252	0.0128
BGIBMGA006885	11.094	2.328	-2.253	0.0148
BGIBMGA012839	338.281	70.932	-2.254	0.0144
BGIBMGA013421	48.082	10.070	-2.255	0.0010
BGIBMGA001246	25.391	5.298	-2.261	0.0031
BGIBMGA002584	476.233	98.777	-2.269	0.0010
ENSRNA022710634	130.795	26.982	-2.277	0.0010
BGIBMGA001261	295.451	60.933	-2.278	0.0010
BGIBMGA001087	215.919	44.381	-2.282	0.0467
BGIBMGA012062	19.081	3.916	-2.285	0.0010
BGIBMGA010918	13.733	2.816	-2.286	0.0460
BGIBMGA002077	16.541	3.385	-2.289	0.0018
BGIBMGA005511	24027.000	4914.280	-2.290	0.0010
BGIBMGA008583	8.942	1.827	-2.292	0.0401
BGIBMGA007757	25.305	5.141	-2.299	0.0121
BGIBMGA003511	123.276	25.032	-2.300	0.0010
BGIBMGA005773	516.043	104.691	-2.301	0.0010
BGIBMGA012280	117.254	23.518	-2.318	0.0148
BGIBMGA005776	248.430	49.816	-2.318	0.0471
BGIBMGA002603	1434.890	287.469	-2.319	0.0010
BGIBMGA003835	4.647	0.928	-2.325	0.0135
BGIBMGA000181	31.190	6.215	-2.327	0.0010
BGIBMGA010949	22.050	4.379	-2.332	0.0088
BGIBMGA009032	2850.050	564.309	-2.336	0.0298
BGIBMGA009529	9.496	1.876	-2.340	0.0439
BGIBMGA007589	14.355	2.815	-2.350	0.0489
BGIBMGA006300	164.672	32.146	-2.357	0.0081
BGIBMGA004887	4.391	0.856	-2.358	0.0047
BGIBMGA004013	154.048	30.045	-2.358	0.0010
BGIBMGA005914	20.739	4.043	-2.359	0.0010
BGIBMGA007952	21.274	4.145	-2.360	0.0076
BGIBMGA004065	611.958	118.930	-2.363	0.0010
BGIBMGA010948	13.234	2.561	-2.369	0.0010
BGIBMGA011260	5.649	1.090	-2.374	0.0058
BGIBMGA008432	4.485	0.864	-2.376	0.0474
BGIBMGA012923	15.964	3.060	-2.383	0.0114
BGIBMGA013602	46.216	8.835	-2.387	0.0114
BGIBMGA006715	7.960	1.518	-2.391	0.0313
BGIBMGA001434	58.417	11.129	-2.392	0.0325
BGIBMGA004418	69.727	13.161	-2.405	0.0010
BGIBMGA006127	185.501	34.858	-2.412	0.0369
BGIBMGA008616	2.436	0.458	-2.412	0.0364



BGIBMGA008811	36.194	6.798	-2.413	0.0010
BGIBMGA002937	10.698	1.995	-2.423	0.0018
BGIBMGA003160	50.034	9.321	-2.424	0.0010
BGIBMGA001331	146.573	27.247	-2.427	0.0010
BGIBMGA001969	2.041	0.378	-2.431	0.0378
BGIBMGA007415	415.221	76.823	-2.434	0.0400
BGIBMGA007675	1483.240	273.765	-2.438	0.0018
BGIBMGA008402	76.597	14.111	-2.440	0.0099
BGIBMGA003861	220.845	40.586	-2.444	0.0010
BGIBMGA010026	98.258	18.019	-2.447	0.0084
BGIBMGA013041	352.573	64.536	-2.450	0.0202
BGIBMGA008234	174.344	31.776	-2.456	0.0047
BGIBMGA007124	11.230	2.040	-2.461	0.0429
BGIBMGA000114	30.618	5.562	-2.461	0.0018
BGIBMGA004085	15.389	2.795	-2.461	0.0072
BGIBMGA007861	696.921	126.160	-2.466	0.0010
BGIBMGA003349	7.377	1.334	-2.467	0.0042
BGIBMGA000165	74.038	13.362	-2.470	0.0287
BGIBMGA001694	42.566	7.673	-2.472	0.0010
BGIBMGA013186	98.794	17.772	-2.475	0.0025
BGIBMGA007804	34.268	6.163	-2.475	0.0010
BGIBMGA000089	33.266	5.953	-2.482	0.0010
BGIBMGA013002	7.618	1.362	-2.484	0.0052
BGIBMGA010945	17.892	3.198	-2.484	0.0058
BGIBMGA002362	19.311	3.444	-2.487	0.0342
BGIBMGA013738	4.550	0.810	-2.490	0.0369
BGIBMGA001013	5.528	0.982	-2.492	0.0441
BGIBMGA011747	79.764	14.115	-2.499	0.0010
BGIBMGA011489	5.626	0.994	-2.500	0.0351
BGIBMGA000313	8.380	1.480	-2.501	0.0291
BGIBMGA002265	73.046	12.799	-2.513	0.0010
BGIBMGA003824	169.299	29.568	-2.517	0.0067
BGIBMGA006804	12.837	2.234	-2.522	0.0010
BGIBMGA003062	208.418	35.930	-2.536	0.0010
BGIBMGA004257	4.564	0.786	-2.538	0.0058
BGIBMGA012150	78.638	13.430	-2.550	0.0342
BGIBMGA009701	25299.500	4318.780	-2.550	0.0010
BGIBMGA008803	114.857	19.453	-2.562	0.0076
BGIBMGA003014	23.430	3.968	-2.562	0.0311
BGIBMGA013869	11.277	1.903	-2.567	0.0264
BGIBMGA006067	12.826	2.164	-2.567	0.0047
BGIBMGA005633	126.200	21.282	-2.568	0.0010
BGIBMGA009645	23.314	3.919	-2.573	0.0176
BGIBMGA007334	4149.230	690.963	-2.586	0.0010
BGIBMGA006013	169.676	28.212	-2.588	0.0010
BGIBMGA011761	36.266	6.022	-2.590	0.0291
BGIBMGA011607	63.676	10.560	-2.592	0.0010
BGIBMGA000388	66.880	11.019	-2.602	0.0010
BGIBMGA001419	6.375	1.041	-2.615	0.0229
BGIBMGA004703	28.668	4.667	-2.619	0.0170
BGIBMGA001051	1581.740	257.286	-2.620	0.0047
BGIBMGA005217	466.732	75.791	-2.622	0.0018
BGIBMGA009757	43.639	6.995	-2.641	0.0036
BGIBMGA003918	2.242	0.357	-2.649	0.0366
BGIBMGA003572	2.775	0.442	-2.651	0.0257
BGIBMGA000242	14.932	2.369	-2.656	0.0010
BGIBMGA010066	24.648	3.905	-2.658	0.0289
BGIBMGA002234	3.083	0.485	-2.668	0.0360
BGIBMGA010071	209.865	32.722	-2.681	0.0289
BGIBMGA012766	28.324	4.414	-2.682	0.0031
BGIBMGA014028	47.189	7.336	-2.685	0.0226
BGIBMGA001891	22.938	3.536	-2.697	0.0010
BGIBMGA009544	7.347	1.131	-2.700	0.0088
BGIBMGA004861	8.054	1.237	-2.703	0.0193
BGIBMGA006922	5.235	0.803	-2.704	0.0267
BGIBMGA001745	31.318	4.781	-2.712	0.0010
BGIBMGA005920	34.969	5.307	-2.720	0.0010
BGIBMGA014011	14.815	2.245	-2.723	0.0036
BGIBMGA009951	19.172	2.886	-2.732	0.0330
BGIBMGA011425	107.509	16.142	-2.736	0.0010
BGIBMGA004498	1058.560	157.324	-2.750	0.0010
BGIBMGA008441	252.304	37.324	-2.757	0.0010
BGIBMGA004624	6.199	0.915	-2.760	0.0190
BGIBMGA002581	11.781	1.739	-2.760	0.0047
BGIBMGA007351	192.181	28.351	-2.761	0.0237
BGIBMGA012422	21.926	3.226	-2.765	0.0031
BGIBMGA001012	2.631	0.387	-2.766	0.0332
BGIBMGA013482	58.882	8.581	-2.779	0.0010
BGIBMGA014073	6.672	0.969	-2.784	0.0247
BGIBMGA007737	574.842	83.342	-2.786	0.0218
BGIBMGA003754	5.964	0.862	-2.791	0.0411
BGIBMGA004875	88.457	12.753	-2.794	0.0287
BGIBMGA008039	3.592	0.517	-2.796	0.0431
BGIBMGA001140	8.557	1.223	-2.806	0.0025
BGIBMGA013671	22.890	3.267	-2.809	0.0025
BGIBMGA001164	219.892	30.821	-2.835	0.0010
BGIBMGA011018	19.038	2.666	-2.836	0.0010
BGIBMGA004744	815.538	114.113	-2.837	0.0025
BGIBMGA008800	10.174	1.418	-2.843	0.0251
BGIBMGA003720	13.185	1.815	-2.861	0.0010
BGIBMGA005286	47.795	6.550	-2.867	0.0010
BGIBMGA002479	12.631	1.712	-2.883	0.0195
BGIBMGA007508	26.438	3.581	-2.884	0.0010

BGIBMGA008910	87.245	11.808	-2.885	0.0010
BGIBMGA001435	85.965	11.561	-2.894	0.0010
BGIBMGA009552	85.505	11.479	-2.897	0.0018
BGIBMGA001274	17.310	2.311	-2.905	0.0018
BGIBMGA006165	18.411	2.452	-2.909	0.0158
BGIBMGA005730	14.290	1.890	-2.918	0.0176
BGIBMGA008724	253.790	32.919	-2.947	0.0237
BGIBMGA005573	67.333	8.680	-2.955	0.0025
BGIBMGA011504	541.204	69.640	-2.958	0.0010
BGIBMGA001336	143.123	18.193	-2.976	0.0010
BGIBMGA004355	1.585	0.201	-2.979	0.0195
BGIBMGA000353	4.030	0.511	-2.979	0.0293
BGIBMGA008987	16.008	2.012	-2.992	0.0128
BGIBMGA003316	17.428	2.174	-3.003	0.0341
BGIBMGA011172	21.135	2.602	-3.022	0.0010
BGIBMGA009198	342.881	41.930	-3.032	0.0010
BGIBMGA008720	1109.550	135.251	-3.036	0.0010
BGIBMGA013483	49.087	5.969	-3.040	0.0018
BGIBMGA007900	36.743	4.457	-3.043	0.0010
BGIBMGA010854	16.551	1.951	-3.085	0.0010
BGIBMGA013789	13.629	1.591	-3.099	0.0018
BGIBMGA006382	4.723	0.548	-3.108	0.0106
BGIBMGA013177	163.334	18.938	-3.108	0.0106
BGIBMGA006102	593.363	67.867	-3.128	0.0018
BGIBMGA009412	163.348	18.600	-3.135	0.0010
BGIBMGA000274	28.993	3.294	-3.138	0.0018
BGIBMGA012606	27.603	3.126	-3.143	0.0010
BGIBMGA012491	5.128	0.578	-3.148	0.0148
BGIBMGA007920	79.711	8.956	-3.154	0.0010
BGIBMGA006916	135.682	15.006	-3.177	0.0010
BGIBMGA008045	6.340	0.697	-3.185	0.0128
BGIBMGA009892	5.704	0.627	-3.186	0.0076
BGIBMGA013307	41.669	4.505	-3.209	0.0095
BGIBMGA001135	8.890	0.959	-3.213	0.0010
BGIBMGA007774	28.133	3.008	-3.226	0.0010
BGIBMGA009306	11.759	1.254	-3.229	0.0058
BGIBMGA009763	32777.100	3494.430	-3.230	0.0010
BGIBMGA009193	6.580	0.699	-3.234	0.0010
BGIBMGA014537	8.991	0.954	-3.237	0.0114
BGIBMGA008233	629.309	64.368	-3.289	0.0436
BGIBMGA011551	55.764	5.702	-3.290	0.0010
BGIBMGA004906	2.391	0.241	-3.310	0.0193
BGIBMGA010433	25.378	2.557	-3.311	0.0010
BGIBMGA009617	95.474	9.561	-3.320	0.0010
BGIBMGA011778	67.325	6.718	-3.325	0.0081
BGIBMGA014051	89.087	8.805	-3.339	0.0010
BGIBMGA000280	1.855	0.179	-3.371	0.0329
BGIBMGA010251	8.980	0.864	-3.378	0.0262
BGIBMGA003065	36.149	3.467	-3.382	0.0052
BGIBMGA002529	16.356	1.569	-3.382	0.0160
BGIBMGA013068	25.754	2.464	-3.386	0.0099
BGIBMGA012451	85.335	8.002	-3.415	0.0010
BGIBMGA011158	82.360	7.655	-3.427	0.0047
BGIBMGA003333	66.357	6.148	-3.432	0.0010
BGIBMGA002045	10.098	0.934	-3.434	0.0062
BGIBMGA007337	15.030	1.376	-3.449	0.0237
BGIBMGA006168	107.913	9.880	-3.449	0.0450
BGIBMGA003002	2.743	0.240	-3.513	0.0010
BGIBMGA011750	2.828	0.247	-3.519	0.0088
BGIBMGA004075	1616.870	140.127	-3.528	0.0010
BGIBMGA003461	162.286	13.742	-3.562	0.0010
BGIBMGA001807	29.694	2.510	-3.564	0.0010
BGIBMGA000784	13.862	1.160	-3.579	0.0254
ENSRNA022711201	1291.190	108.027	-3.579	0.0389
BGIBMGA003661	54.071	4.490	-3.590	0.0010
BGIBMGA013333	5.642	0.461	-3.612	0.0084
BGIBMGA011094	488.207	39.093	-3.643	0.0010
BGIBMGA013620	5.480	0.438	-3.646	0.0237
BGIBMGA013734	8.729	0.688	-3.666	0.0406
BGIBMGA014292	12.180	0.942	-3.693	0.0224
BGIBMGA000006	43.053	3.325	-3.695	0.0244
BGIBMGA012751	38.176	2.833	-3.752	0.0151
BGIBMGA010915	4.853	0.355	-3.774	0.0291
BGIBMGA001146	8.266	0.588	-3.813	0.0342
BGIBMGA009867	4.054	0.288	-3.815	0.0268
BGIBMGA000054	9.776	0.679	-3.848	0.0042
BGIBMGA012208	470.723	32.160	-3.872	0.0042
BGIBMGA014470	10.578	0.708	-3.902	0.0010
BGIBMGA012735	10.039	0.671	-3.903	0.0018
BGIBMGA014164	2.731	0.179	-3.929	0.0469
BGIBMGA014383	1.481	0.097	-3.936	0.0281
BGIBMGA003679	9.354	0.609	-3.941	0.0010
BGIBMGA013846	1.514	0.096	-3.985	0.0268
BGIBMGA000856	19.123	1.199	-3.995	0.0036
BGIBMGA009245	30.366	1.886	-4.009	0.0062
BGIBMGA013530	10.594	0.640	-4.049	0.0010
BGIBMGA013093	10.443	0.618	-4.079	0.0278
BGIBMGA010429	8.575	0.492	-4.124	0.0092
BGIBMGA013788	3.163	0.179	-4.143	0.0486
BGIBMGA013113	80.429	4.340	-4.212	0.0010
BGIBMGA014303	179.892	9.699	-4.213	0.0202
BGIBMGA002664	157.902	8.281	-4.253	0.0010
BGIBMGA003848	56.373	2.780	-4.342	0.0010

BGIBMGA014493	40.172	1.948	-4.366	0.0351
BGIBMGA005948	40.086	1.933	-4.374	0.0347
BGIBMGA000012	8.387	0.403	-4.380	0.0062
BGIBMGA010357	1.101	0.053	-4.387	0.0387
BGIBMGA004756	15.873	0.732	-4.438	0.0364
BGIBMGA001906	90.220	4.143	-4.445	0.0010
BGIBMGA006971	1.728	0.074	-4.537	0.0332
BGIBMGA005478	4.745	0.198	-4.581	0.0025
BGIBMGA009739	94.382	3.902	-4.596	0.0193
BGIBMGA013976	3.275	0.130	-4.654	0.0262
BGIBMGA000319	4.688	0.182	-4.684	0.0058
BGIBMGA006288	9.158	0.341	-4.748	0.0397
BGIBMGA013006	3.498	0.120	-4.869	0.0439
BGIBMGA000065	9.884	0.315	-4.971	0.0400
BGIBMGA002848	199.654	6.239	-5.000	0.0428
BGIBMGA005048	2.154	0.067	-5.000	0.0010
BGIBMGA007829	43.410	1.352	-5.005	0.0025
BGIBMGA008181	11.292	0.348	-5.020	0.0106
BGIBMGA006425	7.010	0.215	-5.028	0.0262
BGIBMGA010717	34.199	1.045	-5.032	0.0135
BGIBMGA009990	13.320	0.407	-5.032	0.0052
BGIBMGA010678	6.679	0.201	-5.057	0.0287
BGIBMGA006746	2.895	0.084	-5.108	0.0262
BGIBMGA013000	8.738	0.253	-5.109	0.0195
BGIBMGA003060	234.712	6.680	-5.135	0.0036
BGIBMGA008709	105.880	2.838	-5.221	0.0010
BGIBMGA002624	5.930	0.157	-5.242	0.0144
BGIBMGA006874	21.286	0.558	-5.253	0.0010
BGIBMGA010716	120.982	3.051	-5.309	0.0010
BGIBMGA010240	115.857	2.819	-5.361	0.0010
BGIBMGA009801	31.287	0.760	-5.363	0.0343
BGIBMGA010506	3.045	0.073	-5.389	0.0262
BGIBMGA009688	160.335	3.507	-5.515	0.0010
BGIBMGA000832	7.192	0.154	-5.547	0.0262
BGIBMGA014056	3447.830	73.138	-5.559	0.0010
BGIBMGA000010	46.896	0.994	-5.561	0.0241
BGIBMGA000045	38.024	0.790	-5.588	0.0259
BGIBMGA003527	146.396	3.030	-5.595	0.0018
BGIBMGA007828	38.783	0.772	-5.651	0.0464
BGIBMGA006972	3.591	0.063	-5.833	0.0262
BGIBMGA007065	96.703	1.646	-5.876	0.0010
BGIBMGA001444	37.353	0.632	-5.885	0.0287
BGIBMGA006274	850.841	12.279	-6.115	0.0010
BGIBMGA006731	251.232	3.344	-6.231	0.0010
BGIBMGA007650	103.578	1.111	-6.542	0.0118
BGIBMGA014163	5.630	0.058	-6.608	0.0262
BGIBMGA006371	104.582	1.052	-6.636	0.0010
BGIBMGA002725	158.932	1.154	-7.105	0.0173
BGIBMGA008571	3.377	0.019	-7.441	0.0262
BGIBMGA004881	83.671	0.376	-7.800	0.0387
BGIBMGA011845	9.280	0.032	-8.165	0.0262
BGIBMGA001388	1061.620	3.540	-8.228	0.0291
BGIBMGA000043	32.503	0.000	-∞	0.0010
BGIBMGA000051	5.521	0.000	-∞	0.0010
BGIBMGA000052	44.713	0.000	-∞	0.0010
BGIBMGA000168	1.476	0.000	-∞	0.0010
BGIBMGA000171	7.443	0.000	-∞	0.0249
BGIBMGA000172	1.771	0.000	-∞	0.0010
BGIBMGA000264	1.436	0.000	-∞	0.0010
BGIBMGA000376	2.418	0.000	-∞	0.0010
BGIBMGA000700	1.970	0.000	-∞	0.0018
BGIBMGA000794	7.373	0.000	-∞	0.0318
BGIBMGA000842	1.577	0.000	-∞	0.0084
BGIBMGA001016	15.597	0.000	-∞	0.0010
BGIBMGA001317	2.329	0.000	-∞	0.0010
BGIBMGA002389	2.275	0.000	-∞	0.0010
BGIBMGA002536	517.079	0.000	-∞	0.0141
BGIBMGA002549	257.361	0.000	-∞	0.0010
BGIBMGA002564	180.519	0.000	-∞	0.0010
BGIBMGA002688	612.208	0.000	-∞	0.0010
BGIBMGA002729	1.232	0.000	-∞	0.0010
BGIBMGA002866	1927.650	0.000	-∞	0.0010
BGIBMGA002991	4.384	0.000	-∞	0.0106
BGIBMGA003092	30.889	0.000	-∞	0.0031
BGIBMGA003227	35.015	0.000	-∞	0.0010
BGIBMGA003883	1.219	0.000	-∞	0.0010
BGIBMGA003888	6.947	0.000	-∞	0.0010
BGIBMGA003903	39.039	0.000	-∞	0.0010
BGIBMGA004033	2.025	0.000	-∞	0.0389
BGIBMGA004046	9.581	0.000	-∞	0.0010
BGIBMGA004049	3.652	0.000	-∞	0.0327
BGIBMGA004117	9.490	0.000	-∞	0.0474
BGIBMGA004130	2.985	0.000	-∞	0.0010
BGIBMGA004235	8.224	0.000	-∞	0.0010
BGIBMGA004717	1.485	0.000	-∞	0.0036
BGIBMGA004780	5.229	0.000	-∞	0.0031
BGIBMGA004864	2.094	0.000	-∞	0.0092
BGIBMGA005405	1.973	0.000	-∞	0.0389
BGIBMGA005693	2.410	0.000	-∞	0.0167
BGIBMGA005915	2.966	0.000	-∞	0.0135
BGIBMGA005919	19.062	0.000	-∞	0.0010
BGIBMGA006008	1.707	0.000	-∞	0.0052
BGIBMGA006033	1.316	0.000	-∞	0.0010

BGIBMGA006096	4.010	0.000	-∞	0.0198
BGIBMGA006148	6.128	0.000	-∞	0.0010
BGIBMGA006286	4.345	0.000	-∞	0.0010
BGIBMGA006363	13.142	0.000	-∞	0.0010
BGIBMGA006410	3.311	0.000	-∞	0.0018
BGIBMGA006418	5.947	0.000	-∞	0.0289
BGIBMGA006469	7.100	0.000	-∞	0.0010
BGIBMGA006663	63.767	0.000	-∞	0.0249
BGIBMGA006974	4.420	0.000	-∞	0.0010
BGIBMGA007033	35.045	0.000	-∞	0.0010
BGIBMGA007105	1.082	0.000	-∞	0.0010
BGIBMGA007115	23.768	0.000	-∞	0.0393
BGIBMGA007143	1.146	0.000	-∞	0.0010
BGIBMGA007165	2.187	0.000	-∞	0.0036
BGIBMGA007232	224.008	0.000	-∞	0.0010
BGIBMGA007292	2.512	0.000	-∞	0.0295
BGIBMGA007335	2.840	0.000	-∞	0.0010
BGIBMGA007714	1.546	0.000	-∞	0.0010
BGIBMGA007827	76.117	0.000	-∞	0.0010
BGIBMGA007888	8.991	0.000	-∞	0.0010
BGIBMGA008125	5.109	0.000	-∞	0.0010
BGIBMGA008197	15.069	0.000	-∞	0.0010
BGIBMGA008465	2.415	0.000	-∞	0.0010
BGIBMGA008466	3.361	0.000	-∞	0.0010
BGIBMGA008843	2.079	0.000	-∞	0.0010
BGIBMGA009484	3.815	0.000	-∞	0.0062
BGIBMGA009628	2.253	0.000	-∞	0.0467
BGIBMGA009687	327.581	0.000	-∞	0.0010
BGIBMGA009713	4.860	0.000	-∞	0.0114
BGIBMGA009777	0.918	0.000	-∞	0.0010
BGIBMGA009869	5.019	0.000	-∞	0.0205
BGIBMGA010031	1.386	0.000	-∞	0.0010
BGIBMGA010053	4.329	0.000	-∞	0.0036
BGIBMGA010109	34.539	0.000	-∞	0.0499
BGIBMGA010190	51.077	0.000	-∞	0.0010
BGIBMGA010341	1.338	0.000	-∞	0.0329
BGIBMGA010369	6.701	0.000	-∞	0.0018
BGIBMGA010530	1.018	0.000	-∞	0.0010
BGIBMGA010531	1.455	0.000	-∞	0.0010
BGIBMGA010692	3.814	0.000	-∞	0.0099
BGIBMGA010705	2.557	0.000	-∞	0.0330
BGIBMGA010883	1.937	0.000	-∞	0.0300
BGIBMGA010894	1.085	0.000	-∞	0.0010
BGIBMGA011035	1.332	0.000	-∞	0.0010
BGIBMGA011171	43.344	0.000	-∞	0.0036
BGIBMGA011384	3.761	0.000	-∞	0.0010
BGIBMGA011561	1.818	0.000	-∞	0.0099
BGIBMGA011634	5.845	0.000	-∞	0.0010
BGIBMGA011661	4.754	0.000	-∞	0.0176
BGIBMGA011763	303.400	0.000	-∞	0.0010
BGIBMGA011766	7.568	0.000	-∞	0.0010
BGIBMGA011816	18.720	0.000	-∞	0.0010
BGIBMGA011817	5.060	0.000	-∞	0.0010
BGIBMGA012243	2.425	0.000	-∞	0.0419
BGIBMGA012432	2.348	0.000	-∞	0.0010
BGIBMGA012438	7.479	0.000	-∞	0.0419
BGIBMGA012497	69.686	0.000	-∞	0.0025
BGIBMGA012595	1.791	0.000	-∞	0.0010
BGIBMGA012696	2.232	0.000	-∞	0.0351
BGIBMGA012736	330.891	0.000	-∞	0.0018
BGIBMGA012811	1176.670	0.000	-∞	0.0010
BGIBMGA013009	10.190	0.000	-∞	0.0010
BGIBMGA013040	1.418	0.000	-∞	0.0036
BGIBMGA013162	1.189	0.000	-∞	0.0010
BGIBMGA013189	3.665	0.000	-∞	0.0237
BGIBMGA013270	1.996	0.000	-∞	0.0010
BGIBMGA013393	7.914	0.000	-∞	0.0010
BGIBMGA013428	175.581	0.000	-∞	0.0474
BGIBMGA013611	14.945	0.000	-∞	0.0010
BGIBMGA013650	2.815	0.000	-∞	0.0010
BGIBMGA013692	6.164	0.000	-∞	0.0088
BGIBMGA013716	27.700	0.000	-∞	0.0397
BGIBMGA013847	3.828	0.000	-∞	0.0309
BGIBMGA013878	16.725	0.000	-∞	0.0010
BGIBMGA013970	6.528	0.000	-∞	0.0010
BGIBMGA014047	1.976	0.000	-∞	0.0010
BGIBMGA014115	1.531	0.000	-∞	0.0010
BGIBMGA014165	9.217	0.000	-∞	0.0415
BGIBMGA014180	14.538	0.000	-∞	0.0330
BGIBMGA014297	852.926	0.000	-∞	0.0010
BGIBMGA014321	23.583	0.000	-∞	0.0010
BGIBMGA014439	1.340	0.000	-∞	0.0330
BGIBMGA014447	1672.650	0.000	-∞	0.0010
BGIBMGA014490	2.811	0.000	-∞	0.0018