

## Supplementary Material

for

### Restoring polyamines protects from age-induced memory impairment in an autophagy-dependent manner

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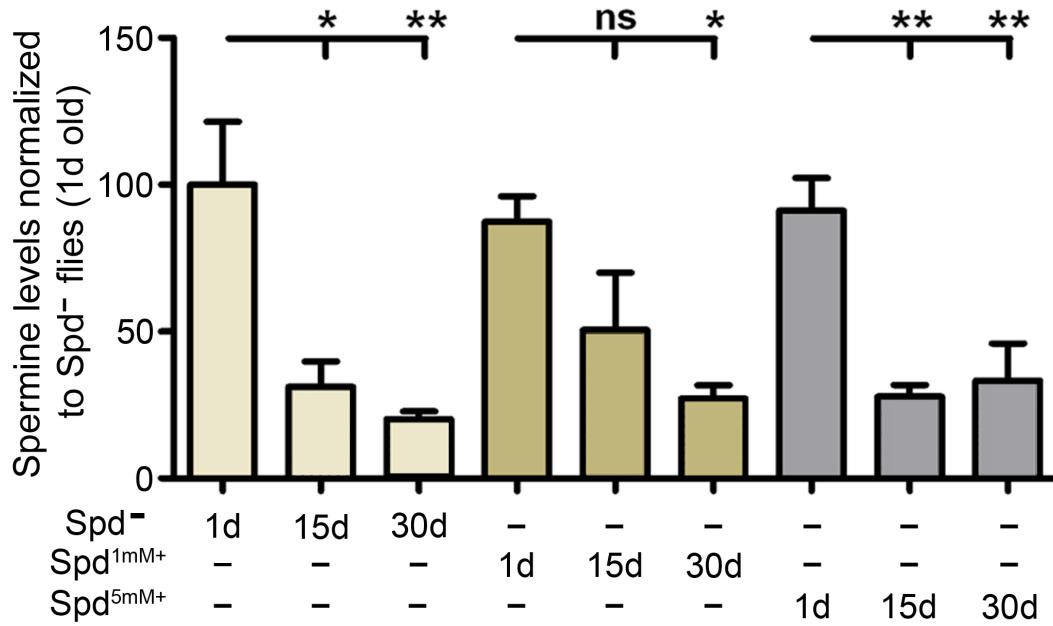
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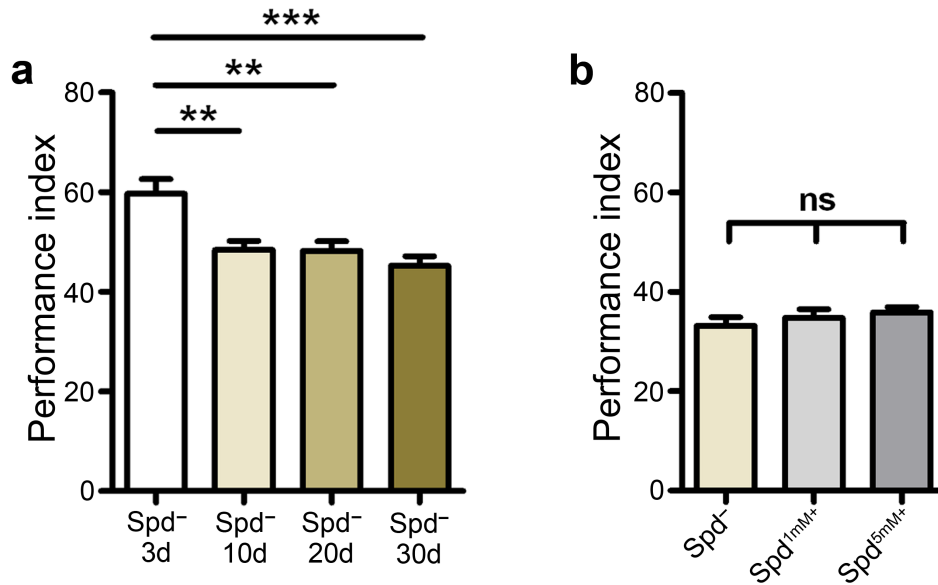
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**Fig. S1: Effect of spermidine feeding on spermine levels.**



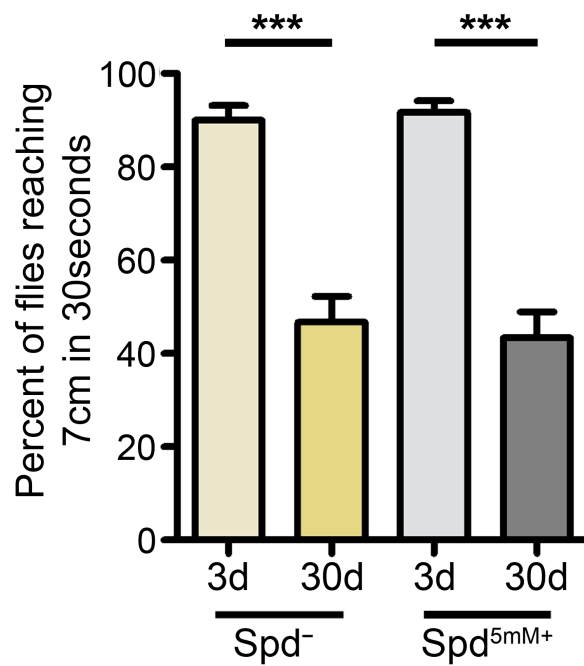
Endogenous level of Spermine in chronologically aging wild-type flies fed with food supplemented by 1 mM or 5mM spermidine (Spd<sup>1mM+</sup> or Spd<sup>5mM+</sup> respectively), compared with normal food (Spd<sup>-</sup>). Data are shown normalized to spermine levels of 1-day old (1d) flies on Spd<sup>-</sup> food (or Spd<sup>-</sup>, 1d; n=4 independent experiments; F=10.37 for Spd<sup>-</sup> flies, F=5.78 for Spd<sup>1mM+</sup> flies, F=12.31 for Spd<sup>5mM+</sup> flies; one-way-ANOVA with Bonferroni correction). \*:p<0.05; \*\*:p<0.01, ns: p>0.05, not significant; all values are mean ± SEM.

**Fig. S2: Effect of spermidine on 3d old wild-type flies trained with 2-electric shocks.**



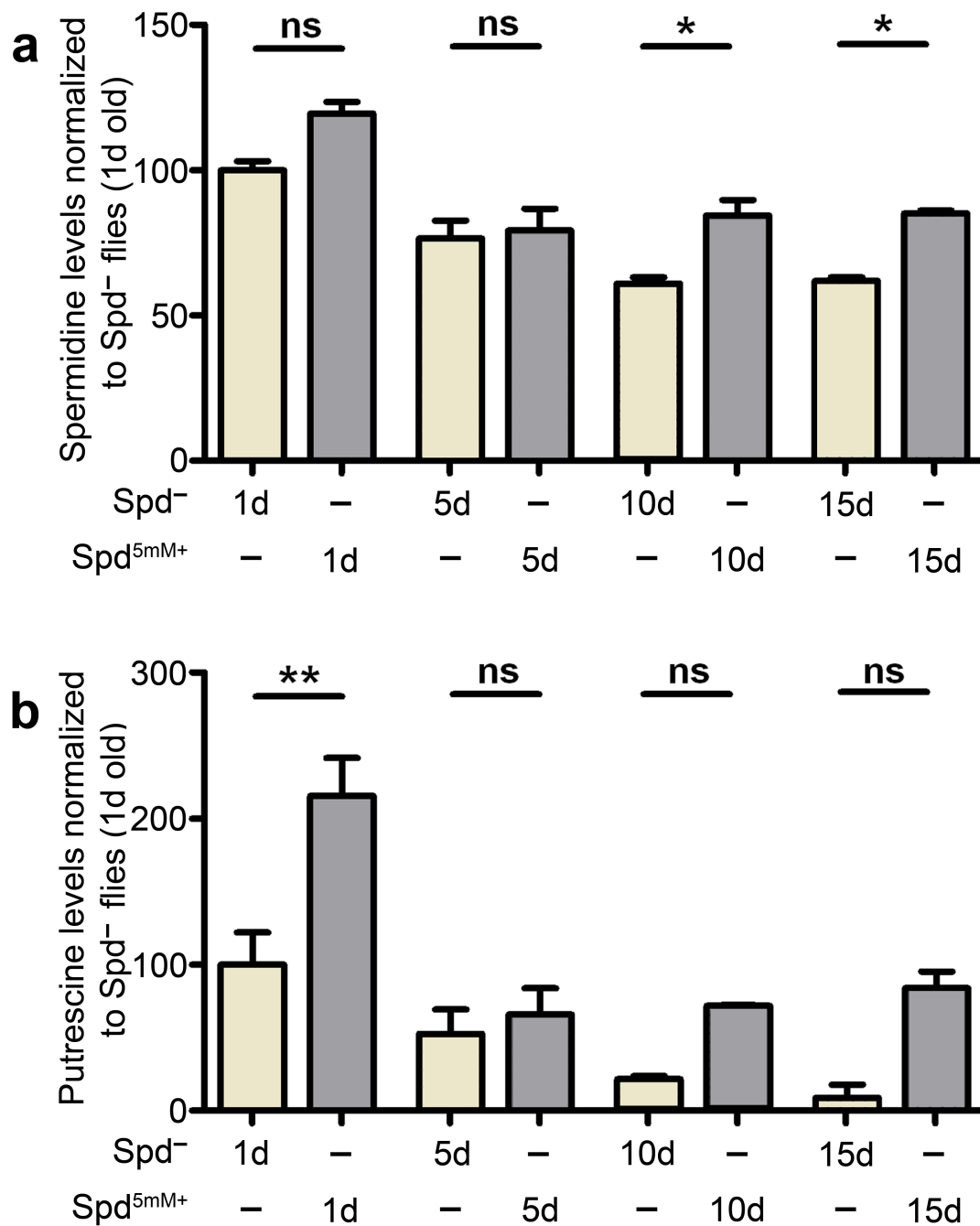
(a) Aversive olfactory-associative memory performance in 3-min after training (STM) deficit in chronologically aging wild-type ( $n=10$  independent experiments;  $F=8.50$ ; one-way-ANOVA with Bonferroni correction). (b) Short-term memory (STM) performance 3min after training (training under non-saturating conditions, 2-shocks instead of 12 electric-shocks) of 3d-  $Spd^{1mM+}$  and  $Spd^{5mM+}$  as compared to  $Spd^{-}$  flies with ( $n=8-9$  independent experiments;  $F=0.77$ ; one-way-ANOVA with Bonferroni correction). \*\*:  $p<0.01$ ; \*\*\*:  $p<0.001$ , ns:  $p>0.05$ , not significant; all values are mean  $\pm$  SEM.

**Fig. S3: Climbing ability of aged flies is not rescued by spermidine feeding.**



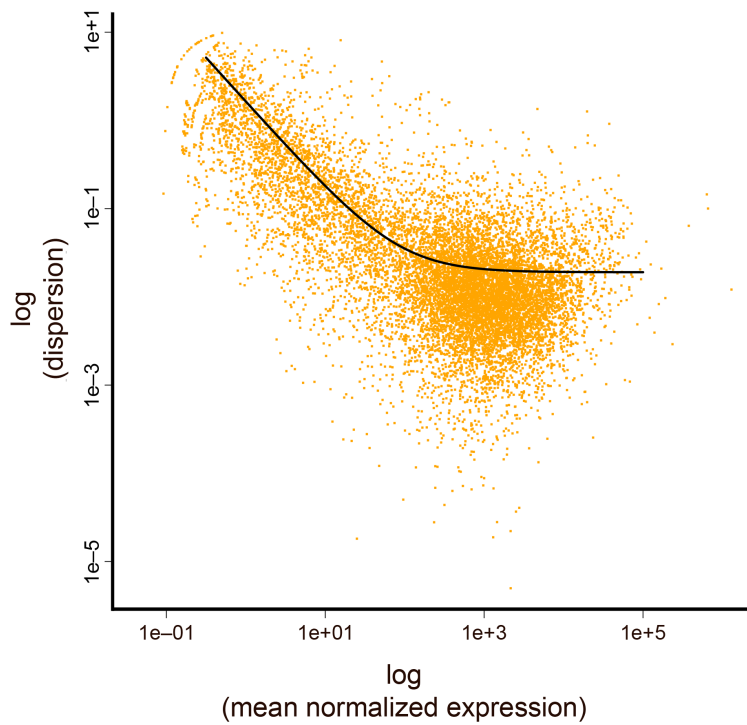
Climbing ability of aged Spd<sup>5mM+</sup> as compared to to Spd<sup>-</sup> flies (n=6 independent experiments; F=35.87; one-way-ANOVA with Bonferroni correction). \*\*\*:p<0.001, ns: p>0.05, not significant; all values are mean ± SEM.

**Fig. S4: Kinetics of age-related decline of polyamines.**



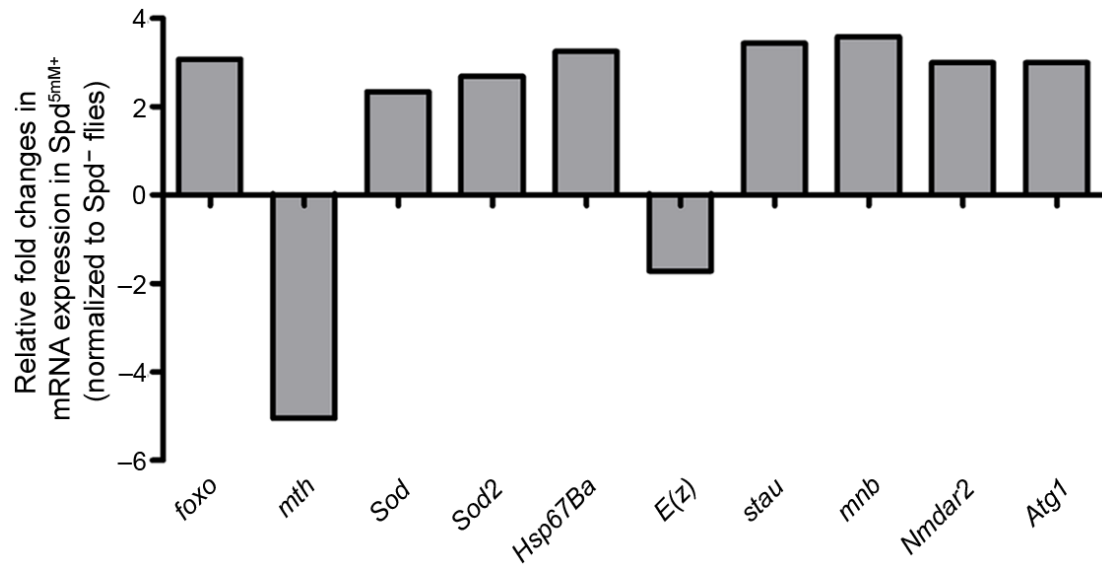
Level of Spermidine (a) and Putrescine (b) in chronologically aging wild-type flies fed with food supplemented with 5mM spermidine (Spd<sup>5mM+</sup>), and compared to age-matched control flies (Spd<sup>-</sup>). Data are shown normalized to the level of respective polyamines found in 1-day old (1d) flies on Spd<sup>-</sup> food (or Spd<sup>-</sup>, 1d; n=3 independent experiments; F=19.32 for (a) and F=16.31 for (b) respectively; one-way-ANOVA with Bonferroni correction). \*: p<0.05; ns: p>0.05, not significant; all values are mean ± SEM.

**Fig. S5: Graph of estimated dispersion versus base mean expression values.**



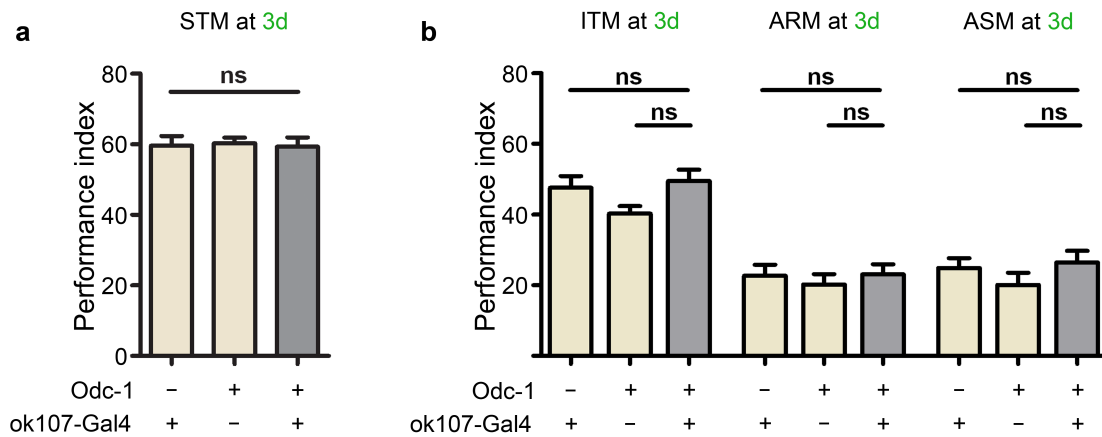
Per gene dispersion values (orange dots) and estimated dispersion values (black line) determined using DESeq, plotted against the base mean expression level. In cases where the per-gene dispersion was greater than estimated, we used the per-gene dispersion value to determine the probability of differential expression.

**Fig. S6: Changes in gene expression under spermidine treatment as determined by RNA-seq as well as quantitative real-time PCR (qPCR).**



Several of the genes found to be modulated by spermidine feeding (by RNA-seq) were analyzed and validated by quantitative real-time PCR (qPCR; data represent the mean of two independent aging experiments for both 10 day old *Spd*<sup>5mM+</sup> as well as *Spd*<sup>-</sup> flies).

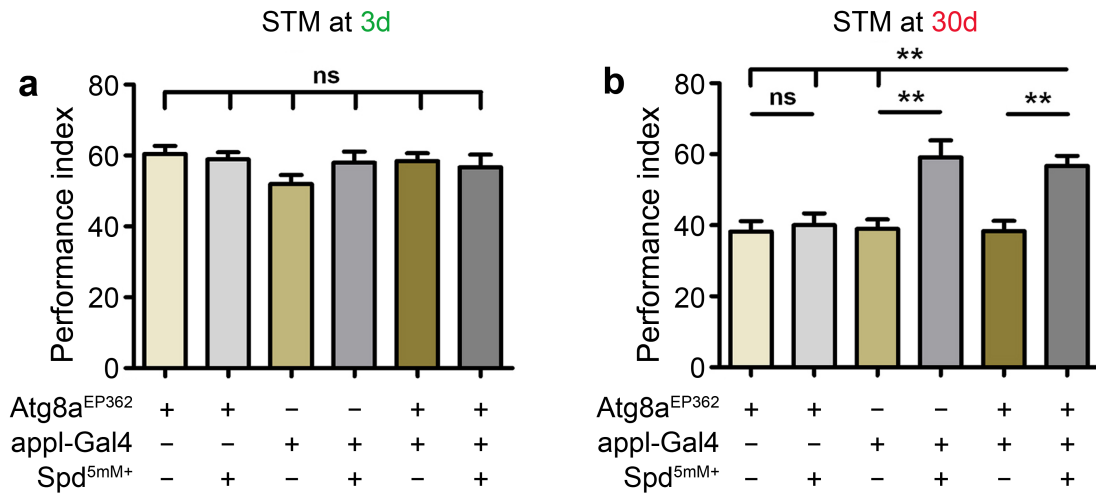
**Fig. S7: Mushroom-body specific expression of *Odc-1* in 3-day old flies.**



**(a)** Aversive associative memory performance in 3 min after training (STM) in 3 day-old female flies expressing *UAS-Odc-1* only in mushroom body ( $n=7-8$  independent experiments;  $F=0.05$ ; one-way-ANOVA with Bonferroni correction) **(b)** Aversive associative memory performance in 3hr after training (ITM), anesthesia-resistant memory (ARM) and anesthesia-sensitive memory (ASM) in 3 day-old female flies with *UAS-Odc-1* expressed specifically in mushroom body ( $n=7$  independent experiments;  $F=2.81$  for ITM,  $F=0.27$  for ARM,  $F=1.12$  for ASM; one-way-ANOVA with Bonferroni correction). ns:  $p>0.05$ , not significant; all values are mean  $\pm$  SEM.

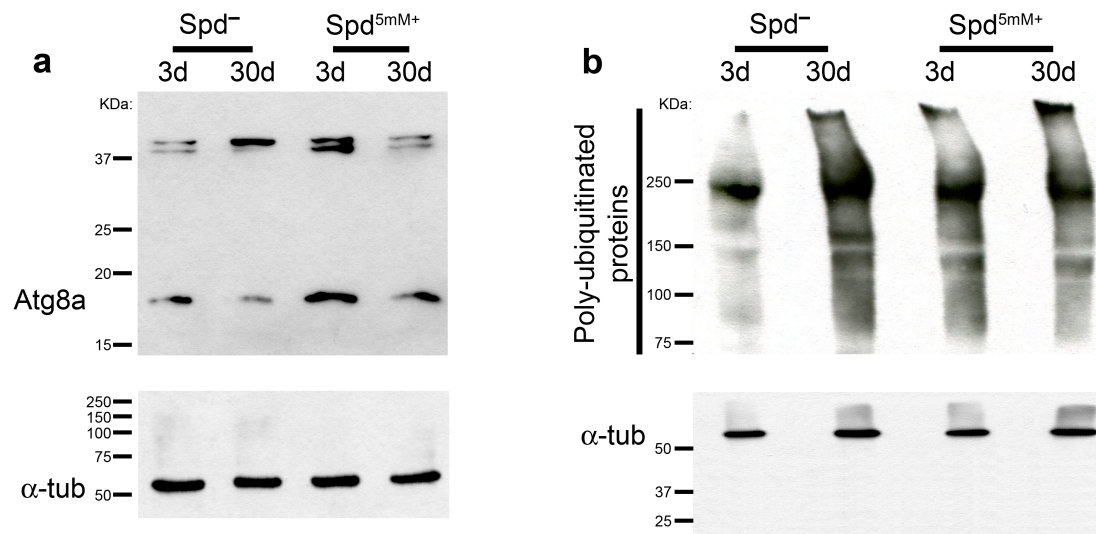


**Fig. S8: Up-regulation of autophagy is not sufficient to suppress AMI.**



(a) Aversive associative memory performance in 3 min after training (STM) in 3d-female flies pan-neuronal expression of Atg8a (n=8 independent experiments; F=1.21; one-way-ANOVA with Bonferroni correction) (b) Pan-neuronal expression of Atg8a in a wild-type background (using appl-Gal4) did not suppress AMI in 30d-female flies (n=8 independent experiments; F=8.66; one-way-ANOVA with Bonferroni correction). \*\*:p<0.01; ns: p>0.05, not significant; all values are mean ± SEM.

**Fig. S9: Full-length image of the blots presented in the main figure 4.**



**Table S1: RNA-seq depth, alignment and mapping efficiency.**

	<b>Spd<sup>-</sup></b>		<b>Spd<sup>-</sup></b>		<b>Spd<sup>5mM+</sup></b>		<b>Spd<sup>5mM+</sup></b>	
	<b>3d-Rep 1</b>	<b>3d-Rep 2</b>	<b>10d-Rep 1</b>	<b>10d-Rep 2</b>	<b>3d-Rep 1</b>	<b>3d-Rep 2</b>	<b>10d-Rep 1</b>	<b>10d-Rep 2</b>
<b>Total reads</b>	<b>30063143</b>	<b>65849882</b>	<b>36497037</b>	<b>29405330</b>	<b>32092542</b>	<b>32527880</b>	<b>28559644</b>	<b>29135804</b>
<b>% Aligned</b>	<b>75%</b>	<b>73%</b>	<b>70%</b>	<b>71%</b>	<b>70%</b>	<b>73%</b>	<b>82%</b>	<b>80%</b>
<b>% Aligned reads mapped to exons</b>	<b>96%</b>	<b>97%</b>	<b>95%</b>	<b>96%</b>	<b>96%</b>	<b>96%</b>	<b>97%</b>	<b>97%</b>
<b>% Aligned reads mapped unambiguously to exons</b>	<b>93%</b>	<b>95%</b>	<b>92%</b>	<b>93%</b>	<b>94%</b>	<b>94%</b>	<b>95%</b>	<b>94%</b>
<b># of reads mapped unambiguously to exons</b>	<b>20982569</b>	<b>45496989</b>	<b>23508654</b>	<b>19551345</b>	<b>21134655</b>	<b>22296243</b>	<b>22142880</b>	<b>22069666</b>

**Table S2: Raw data to Fig. 5-Transcriptome Analysis of aged Spd<sup>5mM+</sup> flies versus Spd<sup>-</sup> flies.**

**Table S2.1: Genes with altered expression in 3d Spd<sup>5mM+</sup> as compared to Spd<sup>-</sup> flies.**

id	baseMean	baseMeanA	baseMeanB	foldChange	log2FoldChange	p-value	padj
FBgn0010401	48.476	96.353	0.599	0.006	-7.330	0.004	0.029
FBgn0010403	43.057	85.516	0.599	0.007	-7.158	0.006	0.043
FBgn0264353	31.504	62.427	0.580	0.009	-6.749	0.000	0.000
FBgn0034199	1493.850	2949.812	37.888	0.013	-6.283	0.000	0.000
FBgn0085209	462.447	911.995	12.899	0.014	-6.144	0.000	0.000
FBgn0035636	14.711	28.843	0.580	0.020	-5.635	0.000	0.000
FBgn0085334	72.667	142.357	2.976	0.021	-5.580	0.000	0.000
FBgn0039108	11.401	22.221	0.580	0.026	-5.259	0.000	0.000
FBgn0034627	49.830	96.721	2.939	0.030	-5.040	0.000	0.000
FBgn0085322	382.037	739.889	24.186	0.033	-4.935	0.000	0.002
FBgn0033547	198.090	382.608	13.572	0.035	-4.817	0.000	0.000
FBgn0262539	647.746	1248.768	46.724	0.037	-4.740	0.000	0.000
FBgn0050172	1256.406	2417.590	95.221	0.039	-4.666	0.000	0.000
FBgn0039237	7.395	14.209	0.580	0.041	-4.613	0.007	0.045
FBgn0263650	36.853	70.767	2.939	0.042	-4.590	0.001	0.008
FBgn0085285	7.237	13.875	0.599	0.043	-4.534	0.001	0.013
FBgn0250847	7.047	13.494	0.599	0.044	-4.494	0.004	0.028
FBgn0262881	215.046	411.802	18.290	0.044	-4.493	0.000	0.000
FBgn0051467	13.986	26.774	1.198	0.045	-4.482	0.000	0.001
FBgn0032847	183.195	350.478	15.912	0.045	-4.461	0.000	0.000
FBgn0011227	1708.025	3267.313	148.737	0.046	-4.457	0.000	0.000
FBgn0042206	84.103	160.643	7.564	0.047	-4.409	0.000	0.000
FBgn0034165	108.020	206.025	10.015	0.049	-4.363	0.000	0.000
FBgn0034945	86.751	164.759	8.743	0.053	-4.236	0.000	0.000
FBgn0262789	5.709	10.837	0.580	0.054	-4.223	0.005	0.039
FBgn0263476	5.740	10.881	0.599	0.055	-4.183	0.001	0.010
FBgn0040972	328.875	620.813	36.937	0.059	-4.071	0.000	0.000
FBgn0032193	168.305	317.704	18.907	0.060	-4.071	0.000	0.000

FBgn0033134	496.203	936.203	56.203	0.060	-4.058	0.000	0.000
FBgn0036145	1203.290	2269.791	136.789	0.060	-4.053	0.000	0.000
FBgn0259991	30.921	58.304	3.538	0.061	-4.043	0.000	0.000
FBgn0033527	54.897	103.335	6.459	0.063	-4.000	0.000	0.000
FBgn0052068	955.731	1798.879	112.584	0.063	-3.998	0.000	0.000
FBgn0259831	9.750	18.339	1.161	0.063	-3.982	0.000	0.004
FBgn0000594	14.223	26.685	1.760	0.066	-3.923	0.000	0.002
FBgn0032494	3156.407	5921.903	390.911	0.066	-3.921	0.000	0.000
FBgn0022224	126.809	237.836	15.783	0.066	-3.914	0.000	0.000
FBgn0035109	83.870	157.108	10.633	0.068	-3.885	0.000	0.000
FBgn0260004	128.442	240.335	16.548	0.069	-3.860	0.000	0.000
FBgn0040255	27.603	51.649	3.557	0.069	-3.860	0.000	0.000
FBgn0085279	153.436	286.898	19.975	0.070	-3.844	0.000	0.000
FBgn0037009	225.467	421.450	29.484	0.070	-3.837	0.000	0.000
FBgn0031403	85.015	158.890	11.139	0.070	-3.834	0.000	0.000
FBgn0051189	52.661	98.320	7.002	0.071	-3.812	0.000	0.000
FBgn0035861	4.358	8.135	0.580	0.071	-3.809	0.007	0.048
FBgn0034198	741.892	1383.537	100.247	0.072	-3.787	0.000	0.000
FBgn0034232	90.654	168.914	12.393	0.073	-3.769	0.000	0.000
FBgn0037708	73.118	136.220	10.015	0.074	-3.766	0.000	0.000
FBgn0010039	314.984	586.572	43.396	0.074	-3.757	0.000	0.000
FBgn0037008	101.552	189.063	14.041	0.074	-3.751	0.000	0.000
FBgn0033354	8.517	15.855	1.179	0.074	-3.749	0.000	0.001
FBgn0033523	190.413	354.373	26.453	0.075	-3.744	0.000	0.000
FBgn0031610	24.932	46.382	3.483	0.075	-3.735	0.000	0.000
FBgn0030694	162.678	302.515	22.840	0.076	-3.727	0.000	0.000
FBgn0053307	302.115	561.451	42.779	0.076	-3.714	0.000	0.000
FBgn0033222	8.442	15.685	1.198	0.076	-3.711	0.002	0.018
FBgn0039836	20.769	38.580	2.958	0.077	-3.705	0.000	0.000
FBgn0260763	20.884	38.791	2.976	0.077	-3.704	0.000	0.000
FBgn0264350	20.532	38.125	2.939	0.077	-3.697	0.000	0.005
FBgn0031561	7981.156	14808.867	1153.444	0.078	-3.682	0.000	0.000
FBgn0039371	12.161	22.562	1.760	0.078	-3.680	0.000	0.005
FBgn0037789	79.802	147.884	11.720	0.079	-3.657	0.000	0.000

FBgn0027073	447.801	829.384	66.218	0.080	-3.647	0.000	0.000
FBgn0033357	919.773	1703.281	136.264	0.080	-3.644	0.000	0.000
FBgn0085229	1508.099	2792.295	223.902	0.080	-3.641	0.000	0.000
FBgn0034481	11.739	21.718	1.760	0.081	-3.625	0.001	0.007
FBgn0000500	543.473	1004.026	82.921	0.083	-3.598	0.000	0.000
FBgn0050151	161.150	297.625	24.674	0.083	-3.592	0.000	0.000
FBgn0037818	125.425	231.547	19.302	0.083	-3.584	0.000	0.000
FBgn0040968	141.254	260.736	21.772	0.084	-3.582	0.000	0.000
FBgn0038420	832.859	1536.296	129.423	0.084	-3.569	0.000	0.000
FBgn0030684	7.453	13.746	1.161	0.084	-3.566	0.006	0.042
FBgn0085244	274.815	506.647	42.982	0.085	-3.559	0.000	0.000
FBgn0015299	153.294	282.365	24.223	0.086	-3.543	0.000	0.000
FBgn0051776	29.691	54.684	4.699	0.086	-3.541	0.000	0.000
FBgn0040512	578.968	1066.049	91.887	0.086	-3.536	0.000	0.000
FBgn0032637	11.158	20.537	1.778	0.087	-3.530	0.003	0.026
FBgn0034523	21.977	40.435	3.520	0.087	-3.522	0.000	0.000
FBgn0029672	36.440	67.001	5.878	0.088	-3.511	0.000	0.000
FBgn0040588	108.503	199.186	17.820	0.089	-3.483	0.000	0.000
FBgn0031873	116.680	214.095	19.265	0.090	-3.474	0.000	0.000
FBgn0031270	64.090	117.547	10.633	0.090	-3.467	0.000	0.000
FBgn0052196	17.640	32.340	2.939	0.091	-3.460	0.000	0.000
FBgn0033303	28.602	52.431	4.773	0.091	-3.457	0.007	0.048
FBgn0085302	17.147	31.374	2.921	0.093	-3.425	0.000	0.001
FBgn0032244	24.342	44.528	4.156	0.093	-3.422	0.000	0.000
FBgn0035998	92.188	168.464	15.912	0.094	-3.404	0.000	0.000
FBgn0034443	467.521	854.172	80.870	0.095	-3.401	0.000	0.000
FBgn0051014	6.924	12.650	1.198	0.095	-3.401	0.003	0.025
FBgn0039083	43.652	79.740	7.564	0.095	-3.398	0.000	0.000
FBgn0034833	6.819	12.439	1.198	0.096	-3.376	0.007	0.045
FBgn0039835	159.253	290.405	28.101	0.097	-3.369	0.000	0.000
FBgn0050197	3656.421	6663.757	649.085	0.097	-3.360	0.000	0.000
FBgn0037670	55.885	101.828	9.941	0.098	-3.357	0.000	0.000
FBgn0050105	13.182	23.987	2.377	0.099	-3.335	0.000	0.003
FBgn0031904	311.546	566.593	56.499	0.100	-3.326	0.000	0.000

FBgn0034299	32.805	59.658	5.952	0.100	-3.325	0.000	0.000
FBgn0020416	677.731	1230.375	125.088	0.102	-3.298	0.000	0.000
FBgn0034512	7424.294	13459.372	1389.216	0.103	-3.276	0.000	0.000
FBgn0263604	131.041	237.389	24.693	0.104	-3.265	0.004	0.028
FBgn0042179	12.292	22.262	2.322	0.104	-3.261	0.001	0.014
FBgn0029950	459.473	831.666	87.280	0.105	-3.252	0.000	0.000
FBgn0052407	278.884	504.715	53.053	0.105	-3.250	0.000	0.000
FBgn0037345	49.216	89.015	9.416	0.106	-3.241	0.000	0.000
FBgn0031227	15.454	27.951	2.958	0.106	-3.240	0.000	0.002
FBgn0032253	40.430	73.112	7.749	0.106	-3.238	0.000	0.000
FBgn0035355	73.005	131.949	14.060	0.107	-3.230	0.000	0.002
FBgn0034027	157.641	284.804	30.479	0.107	-3.224	0.000	0.000
FBgn0037824	15.099	27.277	2.921	0.107	-3.223	0.000	0.003
FBgn0039355	45.522	82.227	8.818	0.107	-3.221	0.000	0.000
FBgn0030711	274.958	496.431	53.486	0.108	-3.214	0.000	0.000
FBgn0036255	57.113	103.050	11.176	0.108	-3.205	0.000	0.000
FBgn0262537	344.031	620.164	67.897	0.109	-3.191	0.000	0.000
FBgn0036696	35.592	64.126	7.058	0.110	-3.184	0.000	0.000
FBgn0037611	41.148	74.133	8.163	0.110	-3.183	0.000	0.000
FBgn0066084	29838.570	53749.695	5927.446	0.110	-3.181	0.000	0.003
FBgn0035159	29.452	53.044	5.860	0.110	-3.178	0.000	0.000
FBgn0052706	23.414	42.167	4.662	0.111	-3.177	0.000	0.000
FBgn0038919	46.634	83.870	9.398	0.112	-3.158	0.000	0.000
FBgn0261815	64.474	115.901	13.047	0.113	-3.151	0.000	0.000
FBgn0031753	300.727	539.540	61.914	0.115	-3.123	0.000	0.000
FBgn0036094	288.246	517.090	59.401	0.115	-3.122	0.000	0.000
FBgn0262477	549.368	985.195	113.541	0.115	-3.117	0.000	0.000
FBgn0028380	270.043	484.241	55.844	0.115	-3.116	0.000	0.000
FBgn0029942	426.891	765.039	88.744	0.116	-3.108	0.000	0.000
FBgn0032986	263.158	471.522	54.795	0.116	-3.105	0.000	0.000
FBgn0026417	14.203	25.430	2.976	0.117	-3.095	0.000	0.002
FBgn0033799	408.226	730.746	85.706	0.117	-3.092	0.000	0.000
FBgn0033261	162.497	290.847	34.146	0.117	-3.090	0.000	0.000
FBgn0040786	159.813	285.986	33.640	0.118	-3.088	0.000	0.005

FBgn0040773	4056.251	7254.311	858.192	0.118	-3.079	0.002	0.018
FBgn0035356	105.694	188.999	22.390	0.118	-3.077	0.000	0.000
FBgn0035674	231.177	413.264	49.089	0.119	-3.074	0.000	0.000
FBgn0050033	498.872	891.612	106.132	0.119	-3.071	0.001	0.011
FBgn0036306	68.377	122.059	14.696	0.120	-3.054	0.000	0.000
FBgn0004911	21.899	39.080	4.717	0.121	-3.050	0.000	0.001
FBgn0033032	266.061	474.722	57.401	0.121	-3.048	0.000	0.000
FBgn0066292	43.274	77.205	9.342	0.121	-3.047	0.000	0.000
FBgn0038795	221.219	394.454	47.984	0.122	-3.039	0.000	0.000
FBgn0047135	1909.221	3403.691	414.751	0.122	-3.037	0.000	0.000
FBgn0085468	1116.164	1989.506	242.823	0.122	-3.034	0.000	0.000
FBgn0085339	72.511	129.146	15.875	0.123	-3.024	0.000	0.000
FBgn0085284	135.508	241.266	29.750	0.123	-3.020	0.000	0.000
FBgn0036192	58.734	104.512	12.955	0.124	-3.012	0.000	0.000
FBgn0034076	29.387	52.278	6.496	0.124	-3.009	0.000	0.000
FBgn0027074	82.375	146.516	18.234	0.124	-3.006	0.000	0.000
FBgn0034963	282.805	502.294	63.316	0.126	-2.988	0.000	0.000
FBgn0036820	443.418	786.792	100.043	0.127	-2.975	0.000	0.000
FBgn0062449	91.092	161.554	20.630	0.128	-2.969	0.000	0.000
FBgn0037935	311.007	551.547	70.466	0.128	-2.968	0.000	0.000
FBgn0038850	10.227	18.132	2.322	0.128	-2.965	0.000	0.004
FBgn0032205	67.649	119.928	15.369	0.128	-2.964	0.000	0.000
FBgn0034293	36.095	63.952	8.237	0.129	-2.957	0.000	0.000
FBgn0032248	112.893	199.989	25.798	0.129	-2.955	0.000	0.000
FBgn0063495	28.045	49.669	6.422	0.129	-2.951	0.000	0.000
FBgn0264718	168.958	299.127	38.790	0.130	-2.947	0.000	0.001
FBgn0038960	15.533	27.492	3.575	0.130	-2.943	0.000	0.004
FBgn0038083	58.169	102.913	13.424	0.130	-2.939	0.000	0.000
FBgn0034326	12.558	22.214	2.902	0.131	-2.936	0.002	0.015
FBgn0040373	17.597	31.074	4.119	0.133	-2.916	0.000	0.005
FBgn0037061	163.825	288.934	38.716	0.134	-2.900	0.000	0.000
FBgn0042174	1733.875	3055.283	412.466	0.135	-2.889	0.000	0.000
FBgn0037936	49.516	87.239	11.794	0.135	-2.887	0.000	0.000
FBgn0035335	296.708	522.702	70.713	0.135	-2.886	0.000	0.000



FBgn0038395	75.984	133.808	18.160	0.136	-2.881	0.000	0.003
FBgn0058045	458.723	807.369	110.077	0.136	-2.875	0.000	0.000
FBgn0031419	24.319	42.796	5.841	0.136	-2.873	0.000	0.000
FBgn0040813	35664.994	62761.478	8568.511	0.137	-2.873	0.000	0.000
FBgn0025334	17.008	29.897	4.119	0.138	-2.860	0.000	0.004
FBgn0042129	51.325	90.201	12.448	0.138	-2.857	0.000	0.000
FBgn0031361	106.185	186.140	26.230	0.141	-2.827	0.000	0.000
FBgn0040256	54.453	95.445	13.461	0.141	-2.826	0.000	0.000
FBgn0033900	185.160	323.984	46.335	0.143	-2.806	0.000	0.000
FBgn0053260	39.667	69.393	9.941	0.143	-2.803	0.000	0.001
FBgn0035528	366.138	639.982	92.294	0.144	-2.794	0.000	0.000
FBgn0037696	93.287	163.004	23.569	0.145	-2.790	0.000	0.000
FBgn0010217	15306.005	26714.383	3897.627	0.146	-2.777	0.000	0.000
FBgn0051248	347.115	605.283	88.947	0.147	-2.767	0.000	0.000
FBgn0027780	121.466	211.632	31.300	0.148	-2.757	0.000	0.000
FBgn0014469	578.137	1007.104	149.170	0.148	-2.755	0.000	0.000
FBgn0263607	117.584	204.725	30.442	0.149	-2.750	0.000	0.000
FBgn0263967	11.338	19.738	2.939	0.149	-2.747	0.001	0.011
FBgn0053635	60.967	106.078	15.857	0.149	-2.742	0.000	0.000
FBgn0028546	615.004	1068.538	161.470	0.151	-2.726	0.000	0.000
FBgn0032034	119.838	208.185	31.491	0.151	-2.725	0.000	0.000
FBgn0026570	113.206	196.661	29.750	0.151	-2.725	0.000	0.000
FBgn0028697	4246.792	7374.969	1118.616	0.152	-2.721	0.000	0.000
FBgn0052373	17.903	31.071	4.736	0.152	-2.714	0.001	0.011
FBgn0053987	44.218	76.735	11.701	0.152	-2.713	0.000	0.000
FBgn0033754	11.157	19.357	2.958	0.153	-2.710	0.000	0.006
FBgn0027864	66.348	115.060	17.635	0.153	-2.706	0.001	0.012
FBgn0040392	15.467	26.815	4.119	0.154	-2.703	0.000	0.006
FBgn0031986	17.853	30.952	4.755	0.154	-2.703	0.000	0.005
FBgn0031558	271.825	471.220	72.430	0.154	-2.702	0.000	0.000
FBgn0037552	106.053	183.837	28.268	0.154	-2.701	0.000	0.000
FBgn0053108	164.804	285.668	43.940	0.154	-2.701	0.000	0.000
FBgn0038766	30.594	53.007	8.182	0.154	-2.696	0.000	0.000
FBgn0038363	131.156	227.116	35.196	0.155	-2.690	0.000	0.000

FBgn0054039	162.122	280.452	43.791	0.156	-2.679	0.000	0.000
FBgn0259985	927.334	1603.492	251.176	0.157	-2.674	0.000	0.000
FBgn0034264	38.591	66.661	10.522	0.158	-2.663	0.000	0.000
FBgn0034438	141.782	244.757	38.808	0.159	-2.657	0.000	0.003
FBgn0039766	136.763	235.990	37.536	0.159	-2.652	0.000	0.000
FBgn0035089	342.221	590.184	94.257	0.160	-2.646	0.000	0.000
FBgn0051785	42.253	72.860	11.646	0.160	-2.645	0.000	0.000
FBgn0032124	31.991	55.147	8.836	0.160	-2.642	0.000	0.000
FBgn0050005	88.284	151.967	24.600	0.162	-2.627	0.000	0.000
FBgn0039356	27.080	46.597	7.564	0.162	-2.623	0.000	0.000
FBgn0038893	81.662	140.503	22.822	0.162	-2.622	0.000	0.004
FBgn0085218	49.900	85.833	13.967	0.163	-2.619	0.001	0.011
FBgn0051674	25.323	43.514	7.132	0.164	-2.609	0.000	0.000
FBgn0031563	302.625	519.372	85.879	0.165	-2.596	0.000	0.002
FBgn0083972	181.985	312.262	51.707	0.166	-2.594	0.000	0.000
FBgn0032746	347.033	594.541	99.525	0.167	-2.579	0.000	0.000
FBgn0015037	396.979	680.041	113.918	0.168	-2.578	0.000	0.000
FBgn0050055	585.146	1002.171	168.120	0.168	-2.576	0.000	0.000
FBgn0032791	56.636	96.891	16.382	0.169	-2.564	0.000	0.000
FBgn0034541	20.044	34.283	5.804	0.169	-2.562	0.000	0.002
FBgn0028664	394.469	674.495	114.443	0.170	-2.559	0.000	0.000
FBgn0053170	481.151	822.234	140.068	0.170	-2.553	0.000	0.000
FBgn0030480	30.137	51.475	8.799	0.171	-2.548	0.000	0.000
FBgn0034246	409.773	699.317	120.229	0.172	-2.540	0.000	0.000
FBgn0037150	117.519	200.459	34.579	0.172	-2.535	0.000	0.000
FBgn0032613	137.511	234.527	40.494	0.173	-2.534	0.000	0.000
FBgn0028707	23.722	40.442	7.002	0.173	-2.530	0.000	0.001
FBgn0000229	741.153	1261.788	220.519	0.175	-2.516	0.000	0.000
FBgn0028526	2660.403	4529.167	791.638	0.175	-2.516	0.000	0.000
FBgn0051159	104.379	177.663	31.096	0.175	-2.514	0.000	0.000
FBgn0051205	567.349	964.850	169.848	0.176	-2.506	0.000	0.000
FBgn0034729	21.570	36.682	6.459	0.176	-2.506	0.000	0.003
FBgn0032873	119.559	202.816	36.301	0.179	-2.482	0.000	0.000
FBgn0030704	172.976	293.361	52.591	0.179	-2.480	0.000	0.000

FBgn0036359	369.876	627.266	112.486	0.179	-2.479	0.000	0.000
FBgn0039335	151.657	257.163	46.150	0.179	-2.478	0.000	0.000
FBgn0052182	15.337	25.974	4.699	0.181	-2.467	0.005	0.035
FBgn0250753	2372.804	4018.458	727.150	0.181	-2.466	0.000	0.000
FBgn0037661	21.311	36.090	6.533	0.181	-2.466	0.001	0.007
FBgn0050054	315.308	533.901	96.715	0.181	-2.465	0.001	0.011
FBgn0052221	207.667	351.622	63.711	0.181	-2.464	0.000	0.000
FBgn0058198	95.638	161.809	29.466	0.182	-2.457	0.000	0.000
FBgn0063493	93.013	157.362	28.663	0.182	-2.457	0.000	0.003
FBgn0026314	690.810	1167.195	214.425	0.184	-2.445	0.000	0.000
FBgn0032032	130.880	220.907	40.852	0.185	-2.435	0.000	0.000
FBgn0051111	28.146	47.474	8.818	0.186	-2.429	0.000	0.001
FBgn0035691	55.748	93.897	17.598	0.187	-2.416	0.000	0.000
FBgn0051371	22.388	37.699	7.076	0.188	-2.413	0.000	0.001
FBgn0039045	46.265	77.889	14.640	0.188	-2.411	0.000	0.000
FBgn0023000	44.883	75.521	14.245	0.189	-2.406	0.000	0.000
FBgn0034177	51.834	87.194	16.474	0.189	-2.404	0.000	0.000
FBgn0040780	52.065	87.582	16.548	0.189	-2.404	0.000	0.000
FBgn0038324	75.437	126.891	23.983	0.189	-2.404	0.000	0.000
FBgn0011762	20.493	34.453	6.533	0.190	-2.399	0.000	0.003
FBgn0002791	130.350	219.009	41.692	0.190	-2.393	0.000	0.000
FBgn0032215	138.245	232.273	44.217	0.190	-2.393	0.004	0.030
FBgn0023170	942.342	1583.215	301.469	0.190	-2.393	0.000	0.000
FBgn0004118	472.889	794.082	151.695	0.191	-2.388	0.000	0.000
FBgn0051105	18.204	30.567	5.841	0.191	-2.388	0.006	0.041
FBgn0032728	40.241	67.545	12.936	0.192	-2.384	0.000	0.000
FBgn0013746	378.353	634.687	122.019	0.192	-2.379	0.000	0.000
FBgn0041336	21.694	36.386	7.002	0.192	-2.377	0.001	0.009
FBgn0031693	172.913	289.926	55.900	0.193	-2.375	0.000	0.000
FBgn0037309	182.490	305.931	59.049	0.193	-2.373	0.000	0.000
FBgn0028422	30.969	51.904	10.034	0.193	-2.371	0.000	0.001
FBgn0259992	135.982	227.876	44.088	0.193	-2.370	0.000	0.000
FBgn0036667	45.238	75.799	14.677	0.194	-2.369	0.001	0.010
FBgn0031560	211.532	354.135	68.929	0.195	-2.361	0.008	0.050

FBgn0063494	695.847	1164.815	226.880	0.195	-2.360	0.000	0.000
FBgn0034965	14.409	24.120	4.699	0.195	-2.360	0.004	0.031
FBgn0037934	150.454	251.781	49.126	0.195	-2.358	0.000	0.000
FBgn0002901	30.519	51.060	9.978	0.195	-2.355	0.000	0.000
FBgn0058042	377.187	630.182	124.192	0.197	-2.343	0.000	0.000
FBgn0033697	48.058	80.277	15.838	0.197	-2.342	0.000	0.006
FBgn0005666	2732.777	4564.408	901.147	0.197	-2.341	0.000	0.000
FBgn0036029	14.278	23.820	4.736	0.199	-2.330	0.005	0.035
FBgn0033962	188.980	314.435	63.526	0.202	-2.307	0.000	0.005
FBgn0040571	216.763	360.591	72.936	0.202	-2.306	0.000	0.000
FBgn0037635	259.665	431.653	87.676	0.203	-2.300	0.000	0.000
FBgn0033615	45.208	75.122	15.295	0.204	-2.296	0.003	0.024
FBgn0053995	114.271	189.826	38.716	0.204	-2.294	0.000	0.000
FBgn0054008	24.310	40.383	8.237	0.204	-2.294	0.005	0.034
FBgn0052281	143.206	237.736	48.676	0.205	-2.288	0.000	0.000
FBgn0035073	180.777	299.831	61.723	0.206	-2.280	0.000	0.000
FBgn0259711	58.378	96.725	20.031	0.207	-2.272	0.000	0.000
FBgn0035791	371.902	616.159	127.645	0.207	-2.271	0.000	0.000
FBgn0000239	1579.373	2616.627	542.119	0.207	-2.271	0.000	0.000
FBgn0262115	328.279	543.844	112.713	0.207	-2.271	0.000	0.000
FBgn0032381	40.686	67.368	14.004	0.208	-2.266	0.005	0.037
FBgn0025874	194.381	321.833	66.928	0.208	-2.266	0.000	0.000
FBgn0263745	37.252	61.642	12.862	0.209	-2.261	0.000	0.000
FBgn0261882	37.494	62.034	12.955	0.209	-2.260	0.002	0.022
FBgn0263831	16.805	27.788	5.823	0.210	-2.255	0.002	0.017
FBgn0027093	188.229	311.025	65.434	0.210	-2.249	0.000	0.000
FBgn0031936	226.384	373.917	78.851	0.211	-2.246	0.000	0.000
FBgn0083973	25.239	41.660	8.818	0.212	-2.240	0.000	0.004
FBgn0263385	20.078	33.136	7.021	0.212	-2.239	0.004	0.033
FBgn0260874	16.757	27.618	5.897	0.214	-2.228	0.001	0.009
FBgn0033453	323.153	532.321	113.985	0.214	-2.223	0.000	0.000
FBgn0015035	135.995	223.932	48.058	0.215	-2.220	0.000	0.000
FBgn0029508	124.423	204.851	43.995	0.215	-2.219	0.000	0.000
FBgn0034951	857.730	1411.692	303.768	0.215	-2.216	0.000	0.000

FBgn0039116	110.756	182.252	39.259	0.215	-2.215	0.000	0.000
FBgn0041147	51.358	84.500	18.215	0.216	-2.214	0.000	0.000
FBgn0042177	246.465	405.482	87.447	0.216	-2.213	0.000	0.000
FBgn0052442	90.563	148.962	32.164	0.216	-2.211	0.000	0.000
FBgn0040514	21.536	35.416	7.657	0.216	-2.210	0.001	0.012
FBgn0031676	62.929	103.468	22.390	0.216	-2.208	0.000	0.000
FBgn0040805	153.820	252.900	54.739	0.216	-2.208	0.000	0.000
FBgn0035855	27.777	45.630	9.923	0.217	-2.201	0.001	0.013
FBgn0264427	16.389	26.900	5.878	0.219	-2.194	0.003	0.027
FBgn0262003	123.549	202.726	44.372	0.219	-2.192	0.000	0.000
FBgn0039024	1041.359	1708.640	374.078	0.219	-2.191	0.000	0.000
FBgn0036116	1526.851	2504.765	548.937	0.219	-2.190	0.002	0.015
FBgn0261020	247.808	406.106	89.509	0.220	-2.182	0.000	0.000
FBgn0032196	123.500	202.313	44.687	0.221	-2.179	0.000	0.000
FBgn0027507	209.266	342.656	75.875	0.221	-2.175	0.000	0.000
FBgn0042213	125.907	206.151	45.662	0.221	-2.175	0.000	0.000
FBgn0037014	14.448	23.654	5.242	0.222	-2.174	0.005	0.035
FBgn0013771	438.264	717.051	159.476	0.222	-2.169	0.000	0.000
FBgn0051156	161.048	263.479	58.617	0.222	-2.168	0.000	0.000
FBgn0033467	72.008	117.785	26.230	0.223	-2.167	0.007	0.047
FBgn0041164	90.017	147.159	32.874	0.223	-2.162	0.000	0.000
FBgn0023541	70.962	115.959	25.965	0.224	-2.159	0.000	0.000
FBgn0263076	33.590	54.861	12.319	0.225	-2.155	0.000	0.001
FBgn0015025	87.989	143.702	32.275	0.225	-2.155	0.000	0.000
FBgn0003141	893.723	1459.159	328.286	0.225	-2.152	0.000	0.001
FBgn0028523	253.425	413.747	93.103	0.225	-2.152	0.000	0.000
FBgn0259482	94.289	153.630	34.949	0.227	-2.136	0.000	0.000
FBgn0038665	1346.249	2191.119	501.379	0.229	-2.128	0.000	0.000
FBgn0032484	191.871	312.170	71.572	0.229	-2.125	0.000	0.000
FBgn0032218	231.279	376.278	86.279	0.229	-2.125	0.000	0.000
FBgn0029664	406.796	661.793	151.799	0.229	-2.124	0.000	0.000
FBgn0026255	86.856	141.215	32.498	0.230	-2.119	0.000	0.000
FBgn0025456	338.412	550.193	126.632	0.230	-2.119	0.000	0.005
FBgn0039911	1260.116	2048.388	471.844	0.230	-2.118	0.000	0.000

FBgn0035907	65.548	106.551	24.545	0.230	-2.118	0.000	0.001
FBgn0031548	55.091	89.552	20.630	0.230	-2.118	0.000	0.000
FBgn0038194	3778.657	6141.047	1416.267	0.231	-2.116	0.000	0.000
FBgn0026432	236.585	384.470	88.700	0.231	-2.116	0.000	0.000
FBgn0022213	161.321	261.851	60.791	0.232	-2.107	0.000	0.000
FBgn0010198	6480.050	10512.334	2447.766	0.233	-2.103	0.000	0.000
FBgn0036889	204.996	332.486	77.505	0.233	-2.101	0.000	0.000
FBgn0038292	281.796	456.979	106.613	0.233	-2.100	0.000	0.000
FBgn0250907	26.263	42.585	9.941	0.233	-2.099	0.000	0.003
FBgn0051812	40.204	65.187	15.221	0.233	-2.099	0.000	0.001
FBgn0263408	21.743	35.249	8.237	0.234	-2.097	0.001	0.006
FBgn0031874	29.340	47.559	11.121	0.234	-2.096	0.001	0.008
FBgn0262481	72.005	116.718	27.292	0.234	-2.096	0.000	0.000
FBgn0038429	157.188	254.506	59.870	0.235	-2.088	0.000	0.000
FBgn0026309	93.817	151.783	35.851	0.236	-2.082	0.000	0.000
FBgn0031662	322.900	522.385	123.415	0.236	-2.082	0.000	0.000
FBgn0036723	51.771	83.734	19.809	0.237	-2.080	0.001	0.013
FBgn0032473	21.614	34.953	8.274	0.237	-2.079	0.002	0.018
FBgn0037960	114.873	185.770	43.977	0.237	-2.079	0.000	0.000
FBgn0037371	177.534	286.564	68.503	0.239	-2.065	0.000	0.000
FBgn0034176	241.450	389.594	93.307	0.239	-2.062	0.000	0.000
FBgn0034054	95.972	154.747	37.197	0.240	-2.057	0.000	0.000
FBgn0262035	327.145	527.355	126.935	0.241	-2.055	0.000	0.001
FBgn0037076	123.751	199.445	48.058	0.241	-2.053	0.000	0.000
FBgn0031701	1922.165	3096.734	747.596	0.241	-2.050	0.000	0.003
FBgn0039735	457.910	737.623	178.198	0.242	-2.049	0.000	0.000
FBgn0024733	2676.817	4311.820	1041.813	0.242	-2.049	0.000	0.000
FBgn0039485	57.429	92.506	22.353	0.242	-2.049	0.000	0.000
FBgn0026634	213.846	344.321	83.372	0.242	-2.046	0.000	0.000
FBgn0085271	367.746	590.317	145.175	0.246	-2.024	0.000	0.002
FBgn0038037	1637.821	2627.091	648.552	0.247	-2.018	0.000	0.000
FBgn0032018	651.649	1044.977	258.321	0.247	-2.016	0.000	0.000
FBgn0039821	99.081	158.867	39.296	0.247	-2.015	0.000	0.000
FBgn0036036	25.247	40.479	10.015	0.247	-2.015	0.000	0.005

FBgn0032002	76.722	122.947	30.497	0.248	-2.011	0.000	0.000
FBgn0039703	1068.155	1711.521	424.790	0.248	-2.010	0.000	0.001
FBgn0039415	16.372	26.230	6.514	0.248	-2.010	0.004	0.029
FBgn0037228	314.849	504.116	125.582	0.249	-2.005	0.000	0.000
FBgn0031894	54.317	86.898	21.735	0.250	-1.999	0.000	0.000
FBgn0039132	410.892	657.289	164.495	0.250	-1.998	0.000	0.000
FBgn0034475	172.689	276.164	69.213	0.251	-1.996	0.000	0.000
FBgn0036911	419.782	671.234	168.330	0.251	-1.996	0.000	0.000
FBgn0263606	34.829	55.616	14.041	0.252	-1.986	0.000	0.004
FBgn0031564	153.677	245.384	61.970	0.253	-1.985	0.000	0.000
FBgn0046322	24.957	39.843	10.071	0.253	-1.984	0.001	0.010
FBgn0039172	862.425	1376.000	348.850	0.254	-1.980	0.000	0.000
FBgn0036062	69.797	111.345	28.249	0.254	-1.979	0.000	0.000
FBgn0262286	33.421	53.306	13.535	0.254	-1.978	0.007	0.048
FBgn0053095	190.200	303.326	77.073	0.254	-1.977	0.001	0.009
FBgn0011829	54.597	86.953	22.241	0.256	-1.967	0.000	0.000
FBgn0037646	192.363	306.015	78.710	0.257	-1.959	0.000	0.000
FBgn0261530	268.240	426.496	109.984	0.258	-1.955	0.000	0.000
FBgn0030813	45.543	72.401	18.685	0.258	-1.954	0.000	0.001
FBgn0036550	167.624	266.387	68.861	0.259	-1.952	0.000	0.000
FBgn0026431	22.859	36.301	9.416	0.259	-1.947	0.002	0.016
FBgn0050428	223.664	354.663	92.664	0.261	-1.936	0.000	0.000
FBgn0030562	340.551	539.948	141.155	0.261	-1.936	0.006	0.044
FBgn0036331	66.525	105.473	27.576	0.261	-1.935	0.001	0.013
FBgn0032217	115.105	182.455	47.755	0.262	-1.934	0.000	0.001
FBgn0051278	107.491	170.313	44.668	0.262	-1.931	0.000	0.000
FBgn0033215	22.547	35.716	9.379	0.263	-1.929	0.003	0.024
FBgn0024698	94.366	149.473	39.259	0.263	-1.929	0.000	0.000
FBgn0051368	256.115	405.537	106.694	0.263	-1.926	0.000	0.000
FBgn0039908	2182.294	3455.172	909.417	0.263	-1.926	0.000	0.000
FBgn0036210	130.793	207.032	54.554	0.264	-1.924	0.000	0.000
FBgn0032603	224.054	354.592	93.517	0.264	-1.923	0.000	0.000
FBgn0036745	722.385	1142.533	302.237	0.265	-1.918	0.000	0.000
FBgn0039065	78.686	124.441	32.930	0.265	-1.918	0.000	0.000

FBgn0039924	372.881	589.672	156.091	0.265	-1.918	0.000	0.000
FBgn0001612	203.567	321.824	85.310	0.265	-1.915	0.000	0.000
FBgn0261387	237.844	375.663	100.025	0.266	-1.909	0.000	0.000
FBgn0032836	2998.832	4735.627	1262.038	0.266	-1.908	0.000	0.000
FBgn0032224	74.307	117.333	31.281	0.267	-1.907	0.000	0.000
FBgn0041181	930.299	1468.563	392.034	0.267	-1.905	0.000	0.000
FBgn0036587	138.403	218.419	58.388	0.267	-1.903	0.000	0.000
FBgn0051778	359.330	567.010	151.651	0.267	-1.903	0.000	0.000
FBgn0039145	233.597	368.423	98.771	0.268	-1.899	0.000	0.000
FBgn0037687	151.205	238.457	63.952	0.268	-1.899	0.000	0.000
FBgn0028647	313.191	493.804	132.578	0.268	-1.897	0.000	0.000
FBgn0031213	382.434	602.936	161.932	0.269	-1.897	0.000	0.000
FBgn0046999	151.495	238.810	64.181	0.269	-1.896	0.000	0.000
FBgn0052218	147.850	232.908	62.791	0.270	-1.891	0.001	0.013
FBgn0039958	264.072	415.986	112.158	0.270	-1.891	0.000	0.000
FBgn0036300	292.495	460.476	124.514	0.270	-1.887	0.000	0.000
FBgn0038472	192.513	303.062	81.964	0.270	-1.887	0.000	0.000
FBgn0031694	36.005	56.678	15.332	0.271	-1.886	0.001	0.007
FBgn0065032	42.638	67.116	18.160	0.271	-1.886	0.000	0.002
FBgn0005390	19.217	30.234	8.200	0.271	-1.882	0.005	0.037
FBgn0023096	53.537	84.214	22.859	0.271	-1.881	0.000	0.003
FBgn0010389	384.599	604.962	164.236	0.271	-1.881	0.000	0.000
FBgn0003041	189.591	298.176	81.007	0.272	-1.880	0.000	0.000
FBgn0002899	32.764	51.523	14.004	0.272	-1.879	0.001	0.011
FBgn0039298	314.808	494.939	134.677	0.272	-1.878	0.000	0.000
FBgn0037376	166.630	261.965	71.294	0.272	-1.878	0.002	0.018
FBgn0035443	80.706	126.833	34.579	0.273	-1.875	0.000	0.000
FBgn0037305	370.448	582.167	158.729	0.273	-1.875	0.000	0.000
FBgn0035805	213.717	335.603	91.831	0.274	-1.870	0.000	0.000
FBgn0038627	130.840	205.440	56.240	0.274	-1.869	0.000	0.000
FBgn0063498	166.316	261.141	71.491	0.274	-1.869	0.000	0.000
FBgn0033021	621.447	975.625	267.268	0.274	-1.868	0.000	0.000
FBgn0032974	762.894	1197.311	328.478	0.274	-1.866	0.000	0.000
FBgn0002466	23.130	36.301	9.960	0.274	-1.866	0.004	0.029



FBgn0260744	1661.445	2606.681	716.210	0.275	-1.864	0.000	0.000
FBgn0036433	656.456	1029.838	283.075	0.275	-1.863	0.000	0.000
FBgn0035703	107.256	168.251	46.261	0.275	-1.863	0.000	0.000
FBgn0263110	2521.819	3954.153	1089.484	0.276	-1.860	0.000	0.000
FBgn0030163	297.915	466.988	128.843	0.276	-1.858	0.000	0.000
FBgn0037583	53.208	83.390	23.026	0.276	-1.857	0.000	0.001
FBgn0085216	70.137	109.889	30.386	0.277	-1.855	0.002	0.020
FBgn0035721	124.874	195.589	54.159	0.277	-1.853	0.000	0.000
FBgn0032896	446.754	699.695	193.814	0.277	-1.852	0.000	0.000
FBgn0031232	89.511	140.177	38.845	0.277	-1.851	0.001	0.009
FBgn0033633	33.687	52.752	14.622	0.277	-1.851	0.001	0.009
FBgn0260962	479.045	750.137	207.953	0.277	-1.851	0.000	0.000
FBgn0015562	175.179	274.180	76.178	0.278	-1.848	0.000	0.000
FBgn0038034	112.978	176.773	49.182	0.278	-1.846	0.000	0.000
FBgn0083983	167.104	261.364	72.843	0.279	-1.843	0.003	0.027
FBgn0031549	47.261	73.911	20.611	0.279	-1.842	0.000	0.003
FBgn0053145	314.548	491.480	137.616	0.280	-1.836	0.000	0.000
FBgn0035960	51.381	80.281	22.482	0.280	-1.836	0.000	0.001
FBgn0034007	48.319	75.483	21.155	0.280	-1.835	0.004	0.030
FBgn0013563	199.868	312.216	87.521	0.280	-1.835	0.000	0.000
FBgn0052026	24.140	37.703	10.577	0.281	-1.834	0.001	0.014
FBgn0015925	89.971	140.480	39.463	0.281	-1.832	0.000	0.000
FBgn0030757	271.974	423.966	119.981	0.283	-1.821	0.000	0.000
FBgn0261403	488.670	761.008	216.332	0.284	-1.815	0.000	0.000
FBgn0003943	1292.706	2012.296	573.117	0.285	-1.812	0.000	0.001
FBgn0053178	2108.692	3276.947	940.436	0.287	-1.801	0.006	0.042
FBgn0032247	72.204	112.188	32.220	0.287	-1.800	0.000	0.000
FBgn0032189	106.318	165.158	47.478	0.287	-1.799	0.000	0.000
FBgn0260749	447.418	694.890	199.945	0.288	-1.797	0.000	0.000
FBgn0010173	528.090	820.033	236.147	0.288	-1.796	0.000	0.000
FBgn0031695	47.351	73.493	21.210	0.289	-1.793	0.000	0.003
FBgn0036988	104.868	162.745	46.990	0.289	-1.792	0.000	0.000
FBgn0032908	28.947	44.902	12.992	0.289	-1.789	0.005	0.036
FBgn0039609	770.819	1194.790	346.848	0.290	-1.784	0.001	0.008

FBgn0037017	50.546	78.345	22.748	0.290	-1.784	0.000	0.002
FBgn0004107	165.638	256.685	74.591	0.291	-1.783	0.003	0.022
FBgn0037513	1004.782	1556.886	452.677	0.291	-1.782	0.000	0.000
FBgn0051133	54.509	84.455	24.563	0.291	-1.782	0.000	0.001
FBgn0051514	24.712	38.284	11.139	0.291	-1.781	0.004	0.031
FBgn0032973	27.169	42.074	12.263	0.291	-1.779	0.001	0.013
FBgn0003353	523.473	810.578	236.369	0.292	-1.778	0.000	0.000
FBgn0051300	45.798	70.910	20.685	0.292	-1.777	0.000	0.002
FBgn0261843	22.251	34.450	10.052	0.292	-1.777	0.005	0.035
FBgn0026190	27.354	42.333	12.374	0.292	-1.774	0.002	0.016
FBgn0033113	42.604	65.905	19.302	0.293	-1.772	0.000	0.003
FBgn0033683	302.681	468.201	137.160	0.293	-1.771	0.001	0.007
FBgn0031678	24.617	38.077	11.158	0.293	-1.771	0.003	0.025
FBgn0262518	1262.968	1952.945	572.992	0.293	-1.769	0.000	0.004
FBgn0032387	34.926	53.977	15.875	0.294	-1.766	0.001	0.013
FBgn0033348	28.466	43.977	12.955	0.295	-1.763	0.002	0.015
FBgn0033742	51.420	79.437	23.402	0.295	-1.763	0.000	0.004
FBgn0037490	76.259	117.792	34.727	0.295	-1.762	0.000	0.001
FBgn0052038	135.853	209.798	61.908	0.295	-1.761	0.000	0.000
FBgn0038972	294.571	454.786	134.356	0.295	-1.759	0.000	0.000
FBgn0053180	762.835	1177.266	348.404	0.296	-1.757	0.000	0.000
FBgn0032266	138.783	214.176	63.390	0.296	-1.756	0.000	0.000
FBgn0036714	274.823	423.785	125.860	0.297	-1.752	0.000	0.000
FBgn0036887	938.584	1447.146	430.023	0.297	-1.751	0.004	0.029
FBgn0025806	255.738	394.149	117.326	0.298	-1.748	0.000	0.000
FBgn0037384	77.952	120.127	35.777	0.298	-1.747	0.000	0.000
FBgn0032079	90.577	139.517	41.636	0.298	-1.745	0.006	0.042
FBgn0033557	116.257	178.918	53.597	0.300	-1.739	0.000	0.000
FBgn0032876	952.045	1465.115	438.974	0.300	-1.739	0.000	0.000
FBgn0036818	65.854	101.284	30.423	0.300	-1.735	0.000	0.001
FBgn0030588	118.357	181.939	54.776	0.301	-1.732	0.000	0.000
FBgn0036105	45.001	69.032	20.970	0.304	-1.719	0.001	0.012
FBgn0058378	38.049	58.352	17.746	0.304	-1.717	0.001	0.010
FBgn0039914	366.875	562.506	171.244	0.304	-1.716	0.002	0.019

FBgn0037338	66.416	101.791	31.041	0.305	-1.713	0.000	0.001
FBgn0036876	965.226	1478.762	451.689	0.305	-1.711	0.000	0.000
FBgn0031834	136.770	209.496	64.044	0.306	-1.710	0.000	0.001
FBgn0037647	189.868	290.789	88.947	0.306	-1.709	0.000	0.000
FBgn0037556	1336.167	2045.777	626.558	0.306	-1.707	0.000	0.000
FBgn0011802	68.135	104.298	31.973	0.307	-1.706	0.005	0.038
FBgn0038110	417.129	638.456	195.801	0.307	-1.705	0.000	0.000
FBgn0051108	218.551	334.287	102.816	0.308	-1.701	0.000	0.000
FBgn0032955	1233.548	1886.446	580.650	0.308	-1.700	0.000	0.000
FBgn0034972	157.582	240.975	74.189	0.308	-1.700	0.000	0.000
FBgn0052195	85.859	131.279	40.438	0.308	-1.699	0.002	0.016
FBgn0036985	200.163	305.958	94.368	0.308	-1.697	0.000	0.000
FBgn0050423	802.827	1226.821	378.834	0.309	-1.695	0.000	0.001
FBgn0261574	912.259	1393.286	431.231	0.310	-1.692	0.000	0.000
FBgn0039313	54.355	82.986	25.724	0.310	-1.690	0.000	0.001
FBgn0063492	57.861	88.331	27.391	0.310	-1.689	0.005	0.036
FBgn0039084	278.589	425.262	131.917	0.310	-1.689	0.000	0.000
FBgn0004435	9829.027	15003.729	4654.326	0.310	-1.689	0.000	0.000
FBgn0030614	73.653	112.295	35.011	0.312	-1.681	0.002	0.020
FBgn0051974	418.954	638.655	199.253	0.312	-1.680	0.000	0.000
FBgn0051860	75.261	114.690	35.832	0.312	-1.678	0.000	0.003
FBgn0039006	121.584	185.243	57.925	0.313	-1.677	0.000	0.001
FBgn0035892	216.629	330.048	103.211	0.313	-1.677	0.000	0.000
FBgn0038303	570.649	869.245	272.053	0.313	-1.676	0.000	0.000
FBgn0034032	238.438	363.181	113.696	0.313	-1.676	0.000	0.000
FBgn0032246	607.904	925.118	290.689	0.314	-1.670	0.000	0.000
FBgn0260474	377.696	574.329	181.063	0.315	-1.665	0.000	0.004
FBgn0033821	664.565	1010.513	318.617	0.315	-1.665	0.000	0.000
FBgn0031999	321.378	488.455	154.301	0.316	-1.662	0.000	0.000
FBgn0030723	348.243	529.267	167.218	0.316	-1.662	0.000	0.000
FBgn0035838	24.319	36.937	11.701	0.317	-1.658	0.004	0.033
FBgn0036509	803.195	1219.740	386.651	0.317	-1.657	0.000	0.000
FBgn0031655	116.478	176.865	56.092	0.317	-1.657	0.005	0.038
FBgn0045073	499.044	757.606	240.482	0.317	-1.656	0.000	0.000

FBgn0039732	159.252	241.672	76.832	0.318	-1.653	0.000	0.000
FBgn0027082	112.109	170.077	54.140	0.318	-1.651	0.000	0.000
FBgn0033762	724.990	1099.847	350.132	0.318	-1.651	0.000	0.000
FBgn0037288	1371.525	2080.442	662.608	0.318	-1.651	0.000	0.001
FBgn0036536	36.170	54.817	17.524	0.320	-1.645	0.002	0.015
FBgn0031925	36.287	54.976	17.598	0.320	-1.643	0.003	0.023
FBgn0041087	352.647	534.001	171.293	0.321	-1.640	0.000	0.000
FBgn0032880	1110.227	1681.021	539.432	0.321	-1.640	0.000	0.000
FBgn0034271	363.961	550.874	177.049	0.321	-1.638	0.000	0.000
FBgn0032250	133.367	201.843	64.891	0.321	-1.637	0.000	0.000
FBgn0051251	60.404	91.417	29.392	0.322	-1.637	0.005	0.036
FBgn0003891	5443.811	8236.516	2651.106	0.322	-1.635	0.000	0.000
FBgn0033982	99.456	150.446	48.465	0.322	-1.634	0.000	0.000
FBgn0030693	394.312	596.454	192.170	0.322	-1.634	0.000	0.000
FBgn0039244	112.868	170.639	55.097	0.323	-1.631	0.000	0.000
FBgn0051643	86.174	130.205	42.143	0.324	-1.627	0.000	0.001
FBgn0264501	36.256	54.766	17.746	0.324	-1.626	0.003	0.024
FBgn0261049	354.584	535.498	173.671	0.324	-1.625	0.000	0.000
FBgn0037778	159.885	241.455	78.315	0.324	-1.624	0.000	0.004
FBgn0051460	91.952	138.840	45.063	0.325	-1.623	0.000	0.001
FBgn0037742	22.743	34.327	11.158	0.325	-1.621	0.004	0.028
FBgn0004419	384.172	579.353	188.991	0.326	-1.616	0.000	0.000
FBgn0032987	20335.255	30641.315	10029.195	0.327	-1.611	0.000	0.002
FBgn0027341	1996.584	3007.113	986.055	0.328	-1.609	0.001	0.008
FBgn0037022	246.440	371.139	121.741	0.328	-1.608	0.000	0.000
FBgn0036839	81.896	123.243	40.550	0.329	-1.604	0.000	0.003
FBgn0037369	148.644	223.680	73.609	0.329	-1.603	0.000	0.000
FBgn0035968	308.266	463.855	152.677	0.329	-1.603	0.000	0.003
FBgn0038435	65.852	99.015	32.689	0.330	-1.599	0.001	0.014
FBgn0034452	63.964	96.140	31.788	0.331	-1.597	0.000	0.001
FBgn0033540	135.256	203.269	67.243	0.331	-1.596	0.000	0.000
FBgn0036117	90.864	136.553	45.174	0.331	-1.596	0.000	0.006
FBgn0035420	542.969	815.948	269.990	0.331	-1.596	0.000	0.000
FBgn0011771	444.572	667.840	221.303	0.331	-1.593	0.000	0.000

FBgn0263738	206.997	310.930	103.063	0.331	-1.593	0.002	0.016
FBgn0038020	310.072	465.467	154.678	0.332	-1.589	0.000	0.000
FBgn0038965	515.185	773.008	257.362	0.333	-1.587	0.000	0.000
FBgn0260720	34.091	51.146	17.036	0.333	-1.586	0.003	0.022
FBgn0032033	161.408	242.106	80.710	0.333	-1.585	0.007	0.045
FBgn0263608	45.648	68.437	22.859	0.334	-1.582	0.002	0.021
FBgn0003969	640.623	960.037	321.210	0.335	-1.580	0.000	0.001
FBgn0039270	242.841	363.793	121.889	0.335	-1.578	0.007	0.048
FBgn0036770	445.559	667.370	223.749	0.335	-1.577	0.000	0.005
FBgn0050062	72.281	108.225	36.338	0.336	-1.574	0.002	0.021
FBgn0259214	2574.321	3852.349	1296.292	0.336	-1.571	0.001	0.013
FBgn0002939	105.333	157.496	53.171	0.338	-1.567	0.002	0.015
FBgn0031253	75.970	113.584	38.357	0.338	-1.566	0.000	0.002
FBgn0033924	1398.399	2089.815	706.983	0.338	-1.564	0.000	0.000
FBgn0038814	39.785	59.447	20.123	0.339	-1.563	0.002	0.020
FBgn0040466	249.544	372.618	126.471	0.339	-1.559	0.000	0.000
FBgn0028940	1694.541	2530.128	858.955	0.339	-1.559	0.000	0.000
FBgn0036579	623.329	930.362	316.295	0.340	-1.557	0.000	0.000
FBgn0261984	1347.668	2011.088	684.248	0.340	-1.555	0.000	0.000
FBgn0032404	1170.736	1746.108	595.365	0.341	-1.552	0.007	0.045
FBgn0028645	282.499	421.282	143.717	0.341	-1.552	0.000	0.003
FBgn0039684	103.251	153.937	52.565	0.341	-1.550	0.000	0.002
FBgn0032683	261.987	390.513	133.461	0.342	-1.549	0.000	0.000
FBgn0015572	27.645	41.156	14.134	0.343	-1.542	0.005	0.036
FBgn0032922	130.333	193.960	66.706	0.344	-1.540	0.006	0.043
FBgn0026315	29.947	44.562	15.332	0.344	-1.539	0.005	0.038
FBgn0035710	1666.832	2480.290	853.374	0.344	-1.539	0.000	0.000
FBgn0024806	1136.602	1691.007	582.198	0.344	-1.538	0.000	0.000
FBgn0000055	74.464	110.774	38.154	0.344	-1.538	0.000	0.002
FBgn0000317	729.283	1084.803	373.763	0.345	-1.537	0.000	0.000
FBgn0033439	166.686	247.926	85.446	0.345	-1.537	0.000	0.000
FBgn0032704	1619.155	2407.504	830.805	0.345	-1.535	0.000	0.000
FBgn0032447	496.487	738.197	254.776	0.345	-1.535	0.001	0.013
FBgn0052113	306.524	455.671	157.376	0.345	-1.534	0.000	0.004

FBgn0051495	74.342	110.511	38.172	0.345	-1.534	0.000	0.004
FBgn0034154	71.197	105.796	36.598	0.346	-1.531	0.000	0.002
FBgn0031170	1639.542	2436.251	842.833	0.346	-1.531	0.000	0.000
FBgn0039325	435.002	646.300	223.705	0.346	-1.531	0.000	0.000
FBgn0035695	933.930	1386.891	480.969	0.347	-1.528	0.000	0.000
FBgn0036959	34.051	50.560	17.543	0.347	-1.527	0.002	0.017
FBgn0035975	923.502	1371.133	475.870	0.347	-1.527	0.000	0.000
FBgn0030707	150.372	223.183	77.561	0.348	-1.525	0.000	0.003
FBgn0032398	853.524	1266.448	440.599	0.348	-1.523	0.000	0.000
FBgn0032168	191.178	283.604	98.753	0.348	-1.522	0.000	0.000
FBgn0038889	199.485	295.914	103.056	0.348	-1.522	0.000	0.000
FBgn0063368	60.618	89.899	31.337	0.349	-1.520	0.000	0.002
FBgn0027052	167.844	248.895	86.792	0.349	-1.520	0.000	0.000
FBgn0039165	221.837	328.910	114.764	0.349	-1.519	0.000	0.000
FBgn0037551	833.362	1235.220	431.505	0.349	-1.517	0.000	0.003
FBgn0050203	167.320	247.929	86.712	0.350	-1.516	0.000	0.000
FBgn0027103	345.582	512.041	179.123	0.350	-1.515	0.000	0.000
FBgn0036225	25.958	38.454	13.461	0.350	-1.514	0.005	0.035
FBgn0031689	4070.750	6029.694	2111.806	0.350	-1.514	0.002	0.022
FBgn0034380	233.641	346.047	121.235	0.350	-1.513	0.000	0.001
FBgn0036101	130.268	192.935	67.601	0.350	-1.513	0.000	0.001
FBgn0262741	83.163	123.158	43.167	0.351	-1.512	0.000	0.002
FBgn0037108	822.884	1217.994	427.775	0.351	-1.510	0.000	0.001
FBgn0051773	38.458	56.886	20.031	0.352	-1.506	0.002	0.018
FBgn0036356	119.852	177.246	62.458	0.352	-1.505	0.003	0.025
FBgn0037950	226.002	334.110	117.895	0.353	-1.503	0.000	0.004
FBgn0011693	24833.463	36697.514	12969.412	0.353	-1.501	0.000	0.000
FBgn0035689	88.127	130.222	46.033	0.353	-1.500	0.001	0.012
FBgn0032482	2558.453	3779.838	1337.068	0.354	-1.499	0.000	0.000
FBgn0051648	104.982	155.076	54.887	0.354	-1.498	0.000	0.001
FBgn0031738	450.316	665.147	235.486	0.354	-1.498	0.005	0.036
FBgn0014000	1937.177	2860.477	1013.877	0.354	-1.496	0.000	0.000
FBgn0085351	172.024	253.866	90.182	0.355	-1.493	0.001	0.008
FBgn0050476	153.512	226.412	80.611	0.356	-1.490	0.005	0.038

FBgn0003278	101.349	149.435	53.264	0.356	-1.488	0.000	0.001
FBgn0032721	679.540	1001.507	357.572	0.357	-1.486	0.000	0.000
FBgn0031974	44.596	65.698	23.495	0.358	-1.483	0.001	0.014
FBgn0037921	42.277	62.275	22.279	0.358	-1.483	0.002	0.018
FBgn0033981	161.171	237.401	84.940	0.358	-1.483	0.000	0.000
FBgn0033906	1264.356	1862.189	666.523	0.358	-1.482	0.000	0.002
FBgn0028955	1591.213	2343.368	839.059	0.358	-1.482	0.000	0.000
FBgn0035959	609.862	897.564	322.161	0.359	-1.478	0.000	0.001
FBgn0030159	1163.479	1710.749	616.209	0.360	-1.473	0.000	0.000
FBgn0038195	1703.133	2504.148	902.119	0.360	-1.473	0.000	0.000
FBgn0260243	254.734	374.439	135.029	0.361	-1.471	0.000	0.000
FBgn0039004	127.326	187.124	67.527	0.361	-1.470	0.000	0.000
FBgn0036305	841.302	1234.980	447.625	0.362	-1.464	0.000	0.000
FBgn0037911	219.685	322.477	116.894	0.362	-1.464	0.000	0.000
FBgn0033775	77.068	112.988	41.148	0.364	-1.457	0.000	0.006
FBgn0002645	726.401	1064.627	388.175	0.365	-1.456	0.000	0.000
FBgn0037184	172.406	252.519	92.294	0.365	-1.452	0.000	0.000
FBgn0036553	316.908	463.949	169.867	0.366	-1.450	0.000	0.000
FBgn0034888	99.159	145.128	53.189	0.367	-1.448	0.000	0.001
FBgn0023416	1699.587	2486.943	912.232	0.367	-1.447	0.000	0.000
FBgn0033065	669.212	979.189	359.234	0.367	-1.447	0.000	0.000
FBgn0053234	122.776	179.618	65.934	0.367	-1.446	0.000	0.001
FBgn0039874	201.337	294.469	108.206	0.367	-1.444	0.000	0.006
FBgn0026760	102.607	149.912	55.301	0.369	-1.439	0.001	0.011
FBgn0051161	45.573	66.583	24.563	0.369	-1.439	0.002	0.019
FBgn0029714	174.112	254.237	93.986	0.370	-1.436	0.000	0.004
FBgn0039925	58.914	86.003	31.825	0.370	-1.434	0.003	0.024
FBgn0015569	160.584	234.401	86.767	0.370	-1.434	0.000	0.000
FBgn0000147	27.266	39.798	14.733	0.370	-1.434	0.008	0.049
FBgn0032242	534.554	780.129	288.978	0.370	-1.433	0.000	0.000
FBgn0033131	91.608	133.621	49.596	0.371	-1.430	0.003	0.026
FBgn0033240	113.438	165.376	61.501	0.372	-1.427	0.000	0.001
FBgn0034967	1420.185	2070.295	770.075	0.372	-1.427	0.000	0.000
FBgn0031389	175.459	255.771	95.147	0.372	-1.427	0.001	0.013

FBgn0031970	249.249	363.184	135.313	0.373	-1.424	0.000	0.000
FBgn0032446	34.519	50.298	18.740	0.373	-1.424	0.007	0.046
FBgn0051633	82.499	120.181	44.816	0.373	-1.423	0.000	0.002
FBgn0039111	157.383	229.246	85.520	0.373	-1.423	0.004	0.030
FBgn0032477	747.273	1088.478	406.069	0.373	-1.423	0.000	0.000
FBgn0037236	59.561	86.735	32.386	0.373	-1.421	0.001	0.008
FBgn0031598	327.185	476.259	178.110	0.374	-1.419	0.000	0.000
FBgn0262647	226.638	329.897	123.378	0.374	-1.419	0.000	0.001
FBgn0024320	854.078	1242.296	465.859	0.375	-1.415	0.000	0.000
FBgn0024913	402.567	585.420	219.715	0.375	-1.414	0.000	0.001
FBgn0036290	208.035	302.485	113.585	0.376	-1.413	0.000	0.006
FBgn0263988	33.388	48.543	18.234	0.376	-1.413	0.005	0.037
FBgn0034136	205.762	299.106	112.417	0.376	-1.412	0.000	0.004
FBgn0038446	311.097	452.196	169.998	0.376	-1.411	0.008	0.049
FBgn0039640	281.443	408.999	153.887	0.376	-1.410	0.000	0.004
FBgn0034248	1576.100	2290.389	861.812	0.376	-1.410	0.005	0.037
FBgn0038551	283.830	412.428	155.233	0.376	-1.410	0.000	0.000
FBgn0040070	3422.939	4966.708	1879.171	0.378	-1.402	0.002	0.017
FBgn0051436	146.488	212.476	80.500	0.379	-1.400	0.000	0.000
FBgn0041191	1435.205	2080.848	789.561	0.379	-1.398	0.000	0.001
FBgn0260861	243.289	352.734	133.844	0.379	-1.398	0.003	0.023
FBgn0033569	139.273	201.887	76.659	0.380	-1.397	0.000	0.001
FBgn0031518	65.967	95.558	36.375	0.381	-1.393	0.004	0.032
FBgn0050491	242.395	351.125	133.664	0.381	-1.393	0.000	0.000
FBgn0035851	246.036	356.382	135.690	0.381	-1.393	0.000	0.000
FBgn0033809	220.622	319.558	121.686	0.381	-1.393	0.001	0.010
FBgn0062978	2838.388	4111.106	1565.671	0.381	-1.393	0.001	0.012
FBgn0036581	240.557	348.382	132.732	0.381	-1.392	0.000	0.000
FBgn0026620	2866.592	4149.868	1583.316	0.382	-1.390	0.000	0.000
FBgn0052262	260.527	377.042	144.013	0.382	-1.389	0.000	0.000
FBgn0036570	143.896	208.250	79.543	0.382	-1.389	0.000	0.001
FBgn0016983	833.256	1205.431	461.082	0.383	-1.386	0.001	0.011
FBgn0034509	264.564	382.675	146.452	0.383	-1.386	0.000	0.003
FBgn0044812	839.473	1214.229	464.717	0.383	-1.386	0.000	0.000



FBgn0004513	967.541	1399.220	535.862	0.383	-1.385	0.000	0.000
FBgn0263864	489.792	708.284	271.299	0.383	-1.384	0.000	0.000
FBgn0261241	200.722	289.848	111.596	0.385	-1.377	0.000	0.000
FBgn0039218	349.312	504.397	194.228	0.385	-1.377	0.006	0.043
FBgn0051739	700.388	1011.224	389.553	0.385	-1.376	0.000	0.000
FBgn0027620	561.233	810.141	312.325	0.386	-1.375	0.000	0.001
FBgn0035213	286.028	412.816	159.240	0.386	-1.374	0.000	0.000
FBgn0027578	1234.774	1781.534	688.015	0.386	-1.373	0.000	0.000
FBgn0037105	116.873	168.615	65.131	0.386	-1.372	0.000	0.003
FBgn0031881	142.136	205.045	79.228	0.386	-1.372	0.000	0.001
FBgn0032008	2028.272	2924.779	1131.764	0.387	-1.370	0.007	0.045
FBgn0038173	285.339	411.327	159.352	0.387	-1.368	0.000	0.000
FBgn0038680	173.469	250.056	96.882	0.387	-1.368	0.000	0.000
FBgn0031634	59.965	86.439	33.492	0.387	-1.368	0.001	0.012
FBgn0037741	206.092	297.068	115.116	0.388	-1.368	0.000	0.000
FBgn0034705	46.244	66.654	25.835	0.388	-1.367	0.002	0.020
FBgn0051453	73.774	106.306	41.241	0.388	-1.366	0.001	0.007
FBgn0028552	1379.573	1987.760	771.385	0.388	-1.366	0.000	0.000
FBgn0025697	876.548	1262.506	490.589	0.389	-1.364	0.000	0.000
FBgn0034742	2029.852	2923.218	1136.486	0.389	-1.363	0.000	0.000
FBgn0034436	258.574	372.326	144.822	0.389	-1.362	0.000	0.000
FBgn0039907	1430.169	2057.972	802.365	0.390	-1.359	0.000	0.000
FBgn0038854	310.442	446.670	174.214	0.390	-1.358	0.000	0.000
FBgn0033542	125.404	180.361	70.448	0.391	-1.356	0.005	0.037
FBgn0037290	1341.167	1928.289	754.044	0.391	-1.355	0.000	0.000
FBgn0028961	185.059	265.976	104.143	0.392	-1.353	0.000	0.001
FBgn0036906	76.458	109.878	43.038	0.392	-1.352	0.000	0.006
FBgn0260461	39.563	56.848	22.279	0.392	-1.351	0.004	0.029
FBgn0032845	391.202	561.897	220.507	0.392	-1.349	0.001	0.007
FBgn0035170	1000.213	1436.359	564.068	0.393	-1.348	0.000	0.000
FBgn0038849	147.926	212.333	83.520	0.393	-1.346	0.001	0.012
FBgn0032943	297.446	426.896	167.996	0.394	-1.345	0.000	0.004
FBgn0032198	1557.242	2233.990	880.495	0.394	-1.343	0.000	0.000
FBgn0035906	1702.419	2442.013	962.825	0.394	-1.343	0.002	0.016

FBgn0014007	242.919	348.185	137.653	0.395	-1.339	0.000	0.000
FBgn0022936	114.749	164.429	65.069	0.396	-1.337	0.000	0.003
FBgn0038547	121.134	173.562	68.706	0.396	-1.337	0.001	0.009
FBgn0036022	3651.389	5226.549	2076.229	0.397	-1.332	0.000	0.000
FBgn0260486	1612.995	2308.541	917.449	0.397	-1.331	0.000	0.000
FBgn0040339	139.221	199.220	79.222	0.398	-1.330	0.000	0.001
FBgn0000629	444.029	635.327	252.732	0.398	-1.330	0.000	0.002
FBgn0035461	99.588	142.491	56.684	0.398	-1.330	0.000	0.002
FBgn0013997	1249.573	1787.765	711.381	0.398	-1.329	0.000	0.001
FBgn0026787	320.001	457.798	182.204	0.398	-1.329	0.000	0.000
FBgn0011335	308.750	441.667	175.832	0.398	-1.329	0.000	0.000
FBgn0051032	41.393	59.199	23.587	0.398	-1.328	0.005	0.038
FBgn0037703	255.789	365.669	145.909	0.399	-1.325	0.006	0.044
FBgn0031631	127.193	181.790	72.596	0.399	-1.324	0.000	0.001
FBgn0040011	391.821	559.988	223.655	0.399	-1.324	0.000	0.002
FBgn0002924	152.757	218.185	87.329	0.400	-1.321	0.000	0.001
FBgn0031968	619.141	884.216	354.066	0.400	-1.320	0.000	0.005
FBgn0039637	1457.521	2079.153	835.890	0.402	-1.315	0.000	0.004
FBgn0036386	257.037	366.627	147.447	0.402	-1.314	0.000	0.000
FBgn0028539	888.146	1266.400	509.891	0.403	-1.312	0.000	0.000
FBgn0261999	847.830	1208.812	486.847	0.403	-1.312	0.000	0.000
FBgn0035936	1206.955	1720.586	693.325	0.403	-1.311	0.000	0.000
FBgn0263336	152.865	217.831	87.898	0.404	-1.309	0.003	0.026
FBgn0039302	2459.527	3503.073	1415.981	0.404	-1.307	0.000	0.001
FBgn0033194	2109.969	3004.847	1215.091	0.404	-1.306	0.000	0.001
FBgn0032498	141.299	201.221	81.377	0.404	-1.306	0.000	0.001
FBgn0035462	125.008	177.883	72.133	0.406	-1.302	0.000	0.003
FBgn0014342	41.630	59.203	24.057	0.406	-1.299	0.004	0.029
FBgn0034002	437.543	622.033	253.054	0.407	-1.298	0.000	0.005
FBgn0052076	168.631	239.715	97.548	0.407	-1.297	0.000	0.003
FBgn0002872	104.234	148.166	60.303	0.407	-1.297	0.001	0.012
FBgn0262473	1439.314	2044.637	833.991	0.408	-1.294	0.000	0.000
FBgn0023076	737.836	1047.732	427.941	0.408	-1.292	0.000	0.000
FBgn0034689	493.833	701.232	286.434	0.408	-1.292	0.000	0.000

FBgn0004580	2648.606	3760.711	1536.502	0.409	-1.291	0.001	0.008
FBgn0015576	2222.538	3155.500	1289.576	0.409	-1.291	0.000	0.000
FBgn0031515	374.404	531.531	217.277	0.409	-1.291	0.000	0.005
FBgn0039115	117.998	167.512	68.484	0.409	-1.290	0.002	0.021
FBgn0032699	749.118	1061.843	436.393	0.411	-1.283	0.000	0.000
FBgn0034484	244.078	345.885	142.272	0.411	-1.282	0.000	0.001
FBgn0031752	1459.058	2067.613	850.502	0.411	-1.282	0.000	0.000
FBgn0002021	525.389	744.394	306.384	0.412	-1.281	0.000	0.000
FBgn0050424	73.910	104.707	43.112	0.412	-1.280	0.001	0.007
FBgn0051800	154.226	218.436	90.016	0.412	-1.279	0.003	0.024
FBgn0039993	258.427	365.877	150.978	0.413	-1.277	0.002	0.015
FBgn0019948	4369.752	6184.614	2554.890	0.413	-1.275	0.000	0.000
FBgn0033755	452.345	640.183	264.507	0.413	-1.275	0.000	0.000
FBgn0259247	260.415	368.549	152.282	0.413	-1.275	0.001	0.009
FBgn0041180	3486.170	4932.759	2039.582	0.413	-1.274	0.000	0.000
FBgn0035977	111.807	158.180	65.434	0.414	-1.273	0.007	0.045
FBgn0032017	45.196	63.922	26.471	0.414	-1.272	0.003	0.023
FBgn0037548	84.412	119.364	49.460	0.414	-1.271	0.001	0.011
FBgn0086895	247.495	349.846	145.144	0.415	-1.269	0.000	0.001
FBgn0037817	235.509	332.895	138.123	0.415	-1.269	0.000	0.001
FBgn0039932	87.488	123.645	51.330	0.415	-1.268	0.000	0.005
FBgn0037896	587.514	830.322	344.705	0.415	-1.268	0.000	0.000
FBgn0032243	160.607	226.950	94.264	0.415	-1.268	0.005	0.034
FBgn0031045	88.501	125.036	51.966	0.416	-1.267	0.002	0.016
FBgn0032472	634.867	896.879	372.855	0.416	-1.266	0.000	0.000
FBgn0031907	814.496	1149.207	479.785	0.417	-1.260	0.002	0.018
FBgn0013810	48.898	68.985	28.811	0.418	-1.260	0.005	0.037
FBgn0020392	338.369	477.250	199.487	0.418	-1.258	0.000	0.000
FBgn0033996	386.373	544.398	228.349	0.419	-1.253	0.000	0.003
FBgn0032644	282.359	397.666	167.052	0.420	-1.251	0.002	0.016
FBgn0000541	1638.497	2307.567	969.427	0.420	-1.251	0.000	0.000
FBgn0036000	123.666	174.130	73.202	0.420	-1.250	0.004	0.028
FBgn0038733	850.218	1196.924	503.512	0.421	-1.249	0.000	0.000
FBgn0034142	1570.477	2210.557	930.396	0.421	-1.248	0.000	0.000

FBgn0038463	578.363	813.712	343.014	0.422	-1.246	0.000	0.001
FBgn0037028	1747.419	2457.133	1037.704	0.422	-1.244	0.001	0.011
FBgn0025355	184.497	259.250	109.744	0.423	-1.240	0.001	0.009
FBgn0046113	52.579	73.877	31.281	0.423	-1.240	0.005	0.037
FBgn0035518	159.426	223.823	95.029	0.425	-1.236	0.000	0.002
FBgn0052220	93.783	131.556	56.011	0.426	-1.232	0.001	0.008
FBgn0031734	1830.626	2567.149	1094.103	0.426	-1.230	0.000	0.000
FBgn0034479	406.548	569.862	243.235	0.427	-1.228	0.000	0.000
FBgn0035812	73.077	102.424	43.729	0.427	-1.228	0.001	0.014
FBgn0029507	488.751	684.992	292.511	0.427	-1.228	0.002	0.015
FBgn0037106	118.954	166.713	71.195	0.427	-1.228	0.000	0.006
FBgn0261788	32952.075	46165.923	19738.227	0.428	-1.226	0.000	0.000
FBgn0000307	1560.455	2186.104	934.807	0.428	-1.226	0.000	0.000
FBgn0039904	747.623	1045.409	449.837	0.430	-1.217	0.000	0.001
FBgn0032956	890.122	1244.491	535.753	0.430	-1.216	0.000	0.002
FBgn0038140	75.886	106.092	45.681	0.431	-1.216	0.002	0.017
FBgn0033029	1188.649	1661.768	715.530	0.431	-1.216	0.001	0.007
FBgn0039203	104.215	145.638	62.791	0.431	-1.214	0.001	0.010
FBgn0028996	3038.465	4245.683	1831.248	0.431	-1.213	0.000	0.002
FBgn0034529	425.249	594.104	256.393	0.432	-1.212	0.000	0.000
FBgn0035150	135.406	189.132	81.680	0.432	-1.211	0.002	0.019
FBgn0259152	228.479	319.040	137.919	0.432	-1.210	0.000	0.005
FBgn0040010	539.044	751.783	326.304	0.434	-1.204	0.000	0.000
FBgn0031876	115.740	161.371	70.108	0.434	-1.203	0.001	0.007
FBgn0036888	1322.526	1843.731	801.321	0.435	-1.202	0.000	0.000
FBgn0039916	175.660	244.873	106.446	0.435	-1.202	0.003	0.024
FBgn0036886	198.116	276.139	120.092	0.435	-1.201	0.000	0.002
FBgn0030703	837.048	1166.587	507.509	0.435	-1.201	0.000	0.000
FBgn0037679	436.563	608.371	264.755	0.435	-1.200	0.000	0.002
FBgn0045035	163.596	227.821	99.370	0.436	-1.197	0.000	0.003
FBgn0033387	161.372	224.690	98.055	0.436	-1.196	0.000	0.003
FBgn0003719	50.488	70.257	30.719	0.437	-1.194	0.002	0.021
FBgn0035090	3124.481	4347.530	1901.432	0.437	-1.193	0.000	0.000
FBgn0036727	244.251	339.809	148.694	0.438	-1.192	0.000	0.002

FBgn0039656	158.031	219.723	96.338	0.438	-1.190	0.000	0.004
FBgn0027512	1004.698	1396.553	612.844	0.439	-1.188	0.000	0.006
FBgn0028886	279.096	387.875	170.318	0.439	-1.187	0.000	0.001
FBgn0039965	547.879	761.290	334.467	0.439	-1.187	0.000	0.000
FBgn0039909	2814.261	3909.831	1718.690	0.440	-1.186	0.000	0.000
FBgn0038087	106.552	147.955	65.150	0.440	-1.183	0.001	0.012
FBgn0030706	4614.414	6407.032	2821.797	0.440	-1.183	0.004	0.030
FBgn0027783	95.050	131.933	58.166	0.441	-1.182	0.005	0.036
FBgn0000326	422.154	585.949	258.358	0.441	-1.181	0.001	0.009
FBgn0031216	312.691	433.983	191.398	0.441	-1.181	0.001	0.012
FBgn0031948	439.504	609.850	269.158	0.441	-1.180	0.000	0.001
FBgn0032881	857.888	1189.930	525.847	0.442	-1.178	0.001	0.012
FBgn0036205	75.916	105.292	46.539	0.442	-1.178	0.003	0.024
FBgn0067779	420.534	583.229	257.838	0.442	-1.178	0.000	0.003
FBgn0034365	189.261	262.475	116.048	0.442	-1.177	0.000	0.003
FBgn0003210	993.355	1377.326	609.384	0.442	-1.176	0.000	0.000
FBgn0025781	146.883	203.626	90.139	0.443	-1.176	0.000	0.004
FBgn0034075	1258.252	1744.306	772.198	0.443	-1.176	0.000	0.000
FBgn0038202	290.135	402.197	178.073	0.443	-1.175	0.000	0.002
FBgn0053653	1301.139	1801.471	800.808	0.445	-1.170	0.006	0.044
FBgn0015570	1123.961	1556.001	691.922	0.445	-1.169	0.000	0.000
FBgn0036892	954.730	1321.092	588.367	0.445	-1.167	0.000	0.000
FBgn0003742	321.573	444.967	198.178	0.445	-1.167	0.000	0.002
FBgn0037633	147.180	203.653	90.707	0.445	-1.167	0.001	0.006
FBgn0034602	552.503	764.443	340.562	0.446	-1.166	0.003	0.026
FBgn0004620	98.403	136.115	60.691	0.446	-1.165	0.001	0.010
FBgn0032054	190.075	262.767	117.382	0.447	-1.163	0.000	0.004
FBgn0034716	1079.367	1491.443	667.291	0.447	-1.160	0.000	0.000
FBgn0036993	596.906	824.762	369.051	0.447	-1.160	0.000	0.001
FBgn0002736	456.444	630.634	282.254	0.448	-1.160	0.000	0.001
FBgn0033980	298.999	413.078	184.921	0.448	-1.160	0.000	0.001
FBgn0261268	1069.003	1476.425	661.581	0.448	-1.158	0.000	0.001
FBgn0030695	347.184	479.097	215.270	0.449	-1.154	0.001	0.009
FBgn0010407	64.276	88.675	39.877	0.450	-1.153	0.005	0.038

FBgn0032509	1312.123	1808.830	815.416	0.451	-1.149	0.000	0.003
FBgn0038366	161.837	223.051	100.624	0.451	-1.148	0.001	0.008
FBgn0032907	72.268	99.589	44.946	0.451	-1.148	0.003	0.024
FBgn0037794	118.027	162.593	73.461	0.452	-1.146	0.004	0.029
FBgn0032924	598.578	824.565	372.591	0.452	-1.146	0.000	0.004
FBgn0037240	1528.789	2105.738	951.841	0.452	-1.146	0.000	0.000
FBgn0003169	1276.763	1758.510	795.016	0.452	-1.145	0.000	0.000
FBgn0035113	188.569	259.589	117.549	0.453	-1.143	0.001	0.008
FBgn0033698	669.149	920.787	417.511	0.453	-1.141	0.000	0.000
FBgn0036462	386.796	532.221	241.371	0.454	-1.141	0.000	0.001
FBgn0038862	1070.374	1472.529	668.218	0.454	-1.140	0.000	0.001
FBgn0052112	557.194	766.212	348.176	0.454	-1.138	0.004	0.031
FBgn0039930	805.532	1107.537	503.526	0.455	-1.137	0.007	0.046
FBgn0028992	267.991	368.351	167.632	0.455	-1.136	0.006	0.042
FBgn0032264	443.691	609.716	277.666	0.455	-1.135	0.000	0.001
FBgn0040259	908.368	1248.131	568.606	0.456	-1.134	0.000	0.001
FBgn0036020	432.442	594.140	270.744	0.456	-1.134	0.000	0.002
FBgn0052104	85.781	117.854	53.708	0.456	-1.134	0.002	0.019
FBgn0037489	179.654	246.809	112.498	0.456	-1.133	0.006	0.042
FBgn0051957	65.770	90.355	41.186	0.456	-1.133	0.006	0.040
FBgn0262955	658.717	904.831	412.602	0.456	-1.133	0.000	0.001
FBgn0026374	333.677	458.313	209.040	0.456	-1.133	0.000	0.001
FBgn0011660	87.022	119.490	54.554	0.457	-1.131	0.003	0.026
FBgn0039234	439.472	603.372	275.573	0.457	-1.131	0.000	0.001
FBgn0032258	346.845	476.037	217.654	0.457	-1.129	0.000	0.006
FBgn0026427	754.561	1035.076	474.047	0.458	-1.127	0.000	0.001
FBgn0032169	210.273	288.431	132.115	0.458	-1.126	0.000	0.005
FBgn0034053	286.513	392.996	180.030	0.458	-1.126	0.000	0.001
FBgn0032116	116.615	159.935	73.294	0.458	-1.126	0.007	0.047
FBgn0050007	84.334	115.652	53.016	0.458	-1.125	0.005	0.037
FBgn0031589	1203.281	1649.855	756.708	0.459	-1.125	0.000	0.000
FBgn0036198	493.141	676.027	310.256	0.459	-1.124	0.000	0.002
FBgn0008651	89.051	122.036	56.066	0.459	-1.122	0.001	0.014
FBgn0038681	1120.009	1534.227	705.791	0.460	-1.120	0.000	0.000

FBgn0020240	1199.463	1642.941	755.985	0.460	-1.120	0.000	0.000
FBgn0034182	274.103	375.177	173.028	0.461	-1.117	0.000	0.004
FBgn0002431	2926.788	4005.416	1848.161	0.461	-1.116	0.000	0.000
FBgn0038279	459.146	628.239	290.052	0.462	-1.115	0.001	0.011
FBgn0051068	146.862	200.887	92.837	0.462	-1.114	0.001	0.009
FBgn0034114	235.729	322.381	149.077	0.462	-1.113	0.005	0.034
FBgn0010424	65.276	89.219	41.334	0.463	-1.110	0.003	0.027
FBgn0038233	135.676	185.369	85.983	0.464	-1.108	0.001	0.007
FBgn0036715	162.444	221.925	102.964	0.464	-1.108	0.001	0.008
FBgn0086906	10252.123	14004.148	6500.099	0.464	-1.107	0.000	0.000
FBgn0033491	118.370	161.650	75.091	0.465	-1.106	0.002	0.017
FBgn0050104	379.080	517.597	240.562	0.465	-1.105	0.000	0.002
FBgn0263600	132.278	180.591	83.964	0.465	-1.105	0.001	0.013
FBgn0036376	531.179	724.816	337.543	0.466	-1.103	0.000	0.001
FBgn0261274	588.249	802.581	373.917	0.466	-1.102	0.000	0.001
FBgn0027565	609.455	831.488	387.421	0.466	-1.102	0.006	0.040
FBgn0020440	968.009	1320.463	615.555	0.466	-1.101	0.000	0.003
FBgn0019650	1037.459	1415.036	659.883	0.466	-1.101	0.008	0.050
FBgn0037619	97.962	133.583	62.340	0.467	-1.100	0.002	0.018
FBgn0038376	1174.461	1600.777	748.144	0.467	-1.097	0.000	0.001
FBgn0031995	3094.073	4216.894	1971.253	0.467	-1.097	0.000	0.001
FBgn0037012	94.150	128.299	60.000	0.468	-1.096	0.006	0.042
FBgn0039727	256.259	349.091	163.426	0.468	-1.095	0.000	0.003
FBgn0032259	430.070	585.747	274.393	0.468	-1.094	0.000	0.002
FBgn0032208	5850.211	7964.699	3735.724	0.469	-1.092	0.000	0.001
FBgn0032030	483.378	657.792	308.965	0.470	-1.090	0.000	0.001
FBgn0039711	194.459	264.570	124.347	0.470	-1.089	0.001	0.010
FBgn0032409	433.190	589.140	277.240	0.471	-1.087	0.000	0.002
FBgn0083969	757.028	1029.346	484.710	0.471	-1.087	0.000	0.001
FBgn0035515	411.477	559.477	263.476	0.471	-1.086	0.000	0.002
FBgn0036124	381.632	518.763	244.502	0.471	-1.085	0.000	0.005
FBgn0037652	192.768	261.923	123.612	0.472	-1.083	0.001	0.006
FBgn0034628	589.792	801.375	378.209	0.472	-1.083	0.000	0.001
FBgn0037739	183.702	249.596	117.808	0.472	-1.083	0.001	0.012

FBgn0013953	143.499	194.933	92.065	0.472	-1.082	0.001	0.012
FBgn0030366	3424.201	4649.977	2198.424	0.473	-1.081	0.000	0.001
FBgn0263852	232.810	316.141	149.479	0.473	-1.081	0.007	0.046
FBgn0020616	449.512	610.393	288.632	0.473	-1.081	0.000	0.004
FBgn0039296	270.327	367.076	173.578	0.473	-1.080	0.000	0.004
FBgn0033757	358.723	487.023	230.423	0.473	-1.080	0.000	0.004
FBgn0036771	133.673	181.456	85.891	0.473	-1.079	0.001	0.015
FBgn0037098	4278.050	5805.346	2750.753	0.474	-1.078	0.000	0.001
FBgn0053056	576.973	782.598	371.349	0.475	-1.075	0.001	0.012
FBgn0037447	818.992	1110.723	527.260	0.475	-1.075	0.000	0.001
FBgn0022238	1846.487	2504.095	1188.879	0.475	-1.075	0.001	0.014
FBgn0034494	747.457	1013.384	481.531	0.475	-1.073	0.000	0.001
FBgn0024491	272.390	369.158	175.622	0.476	-1.072	0.005	0.036
FBgn0040079	807.225	1093.715	520.734	0.476	-1.071	0.000	0.001
FBgn0038465	1035.347	1402.457	668.238	0.476	-1.070	0.001	0.011
FBgn0031906	96.526	130.712	62.340	0.477	-1.068	0.004	0.028
FBgn0038857	331.989	449.547	214.430	0.477	-1.068	0.000	0.004
FBgn0000559	50187.561	67940.937	32434.185	0.477	-1.067	0.007	0.044
FBgn0027582	650.895	881.087	420.703	0.477	-1.066	0.000	0.001
FBgn0037894	388.667	526.096	251.238	0.478	-1.066	0.000	0.002
FBgn0035833	628.572	850.712	406.433	0.478	-1.066	0.000	0.004
FBgn0002931	171.912	232.604	111.219	0.478	-1.064	0.002	0.019
FBgn0036893	381.312	515.882	246.742	0.478	-1.064	0.000	0.003
FBgn0039595	94.432	127.721	61.142	0.479	-1.063	0.004	0.030
FBgn0038532	161.803	218.753	104.853	0.479	-1.061	0.001	0.010
FBgn0014075	844.932	1142.177	547.687	0.480	-1.060	0.000	0.001
FBgn0036662	328.317	443.734	212.899	0.480	-1.060	0.004	0.032
FBgn0035849	459.763	621.291	298.235	0.480	-1.059	0.005	0.034
FBgn0036772	85.200	115.119	55.282	0.480	-1.058	0.003	0.026
FBgn0034214	91.339	123.406	59.271	0.480	-1.058	0.005	0.039
FBgn0037368	79.436	107.313	51.559	0.480	-1.058	0.008	0.049
FBgn0002778	596.823	805.693	387.953	0.482	-1.054	0.000	0.001
FBgn0022029	503.995	680.233	327.756	0.482	-1.053	0.000	0.003
FBgn0010482	1502.852	2027.900	977.803	0.482	-1.052	0.000	0.001



FBgn0033347	370.396	499.725	241.068	0.482	-1.052	0.000	0.003
FBgn0040283	783.928	1057.618	510.238	0.482	-1.052	0.000	0.001
FBgn0034109	180.934	244.061	117.808	0.483	-1.051	0.001	0.009
FBgn0036571	261.251	352.344	170.158	0.483	-1.050	0.000	0.005
FBgn0031985	2204.389	2971.961	1436.816	0.483	-1.049	0.000	0.001
FBgn0023479	8953.680	12057.961	5849.399	0.485	-1.044	0.000	0.001
FBgn0064237	389.238	524.119	254.356	0.485	-1.043	0.000	0.002
FBgn0011230	6980.790	9398.569	4563.012	0.486	-1.042	0.000	0.001
FBgn0034073	92.359	124.342	60.377	0.486	-1.042	0.006	0.040
FBgn0038638	157.304	211.755	102.853	0.486	-1.042	0.002	0.015
FBgn0028406	366.170	492.883	239.456	0.486	-1.041	0.003	0.025
FBgn0035923	115.291	155.175	75.406	0.486	-1.041	0.002	0.017
FBgn0016078	1021.559	1374.778	668.340	0.486	-1.041	0.001	0.006
FBgn0015338	385.072	518.097	252.047	0.486	-1.040	0.006	0.040
FBgn0085420	302.678	407.085	198.271	0.487	-1.038	0.001	0.007
FBgn0037963	1286.678	1730.463	842.893	0.487	-1.038	0.000	0.001
FBgn0003268	94.018	126.425	61.612	0.487	-1.037	0.003	0.022
FBgn0031251	181.929	244.612	119.246	0.487	-1.037	0.001	0.012
FBgn0024230	401.319	539.551	263.087	0.488	-1.036	0.002	0.015
FBgn0053506	126.305	169.714	82.896	0.488	-1.034	0.002	0.020
FBgn0038968	168.266	226.004	110.528	0.489	-1.032	0.001	0.012
FBgn0038436	87.100	116.973	57.227	0.489	-1.031	0.004	0.029
FBgn0015765	194.601	261.287	127.916	0.490	-1.030	0.001	0.013
FBgn0033376	245.951	330.191	161.710	0.490	-1.030	0.002	0.020
FBgn0037792	171.729	230.386	113.072	0.491	-1.027	0.001	0.013
FBgn0038639	326.595	438.086	215.103	0.491	-1.026	0.001	0.013
FBgn0022268	1006.819	1350.397	663.241	0.491	-1.026	0.000	0.002
FBgn0000370	12168.717	16320.780	8016.655	0.491	-1.026	0.000	0.001
FBgn0064225	9274.147	12429.259	6119.036	0.492	-1.022	0.001	0.006
FBgn0027055	428.773	574.459	283.087	0.493	-1.021	0.001	0.008
FBgn0032790	151.006	202.302	99.710	0.493	-1.021	0.002	0.020
FBgn0051040	508.784	681.459	336.109	0.493	-1.020	0.000	0.003
FBgn0004698	1197.399	1603.610	791.187	0.493	-1.019	0.001	0.009
FBgn0032014	114.772	153.539	76.005	0.495	-1.014	0.002	0.017

FBgn0086757	640.915	857.124	424.705	0.496	-1.013	0.001	0.007
FBgn0030418	179.965	240.665	119.265	0.496	-1.013	0.002	0.016
FBgn0024921	1586.822	2119.994	1053.651	0.497	-1.009	0.000	0.003
FBgn0003076	4516.484	6032.653	3000.314	0.497	-1.008	0.001	0.009
FBgn0037536	2232.481	2980.508	1484.455	0.498	-1.006	0.000	0.002
FBgn0030217	100.674	134.383	66.965	0.498	-1.005	0.004	0.032
FBgn0260407	271.915	362.910	180.920	0.499	-1.004	0.002	0.015
FBgn0263316	439.714	586.820	292.609	0.499	-1.004	0.000	0.004
FBgn0027603	1222.357	1631.012	813.701	0.499	-1.003	0.000	0.002
FBgn0024836	1690.997	2255.221	1126.772	0.500	-1.001	0.001	0.008
FBgn0085378	301.853	402.404	201.303	0.500	-0.999	0.005	0.039
FBgn0033075	315.617	420.699	210.534	0.500	-0.999	0.000	0.006
FBgn0034400	2433.992	3244.213	1623.771	0.501	-0.999	0.000	0.001
FBgn0032204	158.141	210.737	105.545	0.501	-0.998	0.002	0.020
FBgn0014018	1299.226	1731.308	867.145	0.501	-0.998	0.001	0.009
FBgn0033989	497.346	662.732	331.960	0.501	-0.997	0.001	0.009
FBgn0036627	113.259	150.871	75.646	0.501	-0.996	0.004	0.028
FBgn0004366	2053.160	2734.688	1371.632	0.502	-0.995	0.002	0.019
FBgn0021856	651.190	867.153	435.227	0.502	-0.995	0.000	0.005
FBgn0010339	382.437	508.981	255.894	0.503	-0.992	0.001	0.008
FBgn0015609	5070.077	6745.136	3395.018	0.503	-0.990	0.000	0.001
FBgn0036615	159.072	211.604	106.539	0.503	-0.990	0.003	0.026
FBgn0036333	308.504	410.382	206.626	0.503	-0.990	0.004	0.030
FBgn0052645	96.255	128.021	64.489	0.504	-0.989	0.004	0.030
FBgn0032723	465.740	619.348	312.133	0.504	-0.989	0.000	0.004
FBgn0037808	6224.856	8276.545	4173.167	0.504	-0.988	0.000	0.003
FBgn0027111	3462.245	4603.109	2321.382	0.504	-0.988	0.000	0.004
FBgn0038296	153.615	204.229	103.001	0.504	-0.988	0.002	0.016
FBgn0032940	1615.725	2147.392	1084.057	0.505	-0.986	0.000	0.003
FBgn0032120	819.870	1089.065	550.675	0.506	-0.984	0.000	0.003
FBgn0038816	1499.893	1991.618	1008.168	0.506	-0.982	0.002	0.016
FBgn0033897	1237.969	1643.403	832.536	0.507	-0.981	0.001	0.009
FBgn0263986	387.043	513.752	260.333	0.507	-0.981	0.001	0.007
FBgn0026060	125.371	166.291	84.452	0.508	-0.978	0.006	0.041

FBgn0034270	87.216	115.666	58.765	0.508	-0.977	0.008	0.049
FBgn0037831	297.437	394.306	200.567	0.509	-0.975	0.001	0.007
FBgn0031972	724.420	960.104	488.736	0.509	-0.974	0.000	0.005
FBgn0024248	1252.539	1659.866	845.211	0.509	-0.974	0.002	0.019
FBgn0262707	798.306	1057.910	538.702	0.509	-0.974	0.000	0.003
FBgn0039164	243.391	322.473	164.310	0.510	-0.973	0.001	0.014
FBgn0036317	1140.491	1510.318	770.663	0.510	-0.971	0.002	0.021
FBgn0036974	994.759	1317.090	672.428	0.511	-0.970	0.000	0.003
FBgn0012051	940.948	1245.286	636.610	0.511	-0.968	0.006	0.040
FBgn0036448	3037.915	4019.740	2056.090	0.511	-0.967	0.000	0.002
FBgn0039265	526.993	697.266	356.721	0.512	-0.967	0.001	0.007
FBgn0001075	299.841	396.712	202.970	0.512	-0.967	0.001	0.010
FBgn0001179	329.482	435.908	223.056	0.512	-0.967	0.001	0.009
FBgn0033132	10358.517	13703.589	7013.446	0.512	-0.966	0.003	0.022
FBgn0031229	371.900	491.636	252.164	0.513	-0.963	0.001	0.009
FBgn0262512	2306.939	3048.711	1565.168	0.513	-0.962	0.004	0.034
FBgn0040271	1440.481	1902.864	978.098	0.514	-0.960	0.001	0.006
FBgn0004227	1857.687	2453.807	1261.567	0.514	-0.960	0.000	0.005
FBgn0037250	228.268	301.494	155.041	0.514	-0.959	0.001	0.011
FBgn0086690	2814.584	3716.007	1913.161	0.515	-0.958	0.000	0.002
FBgn0086475	310.094	409.359	210.830	0.515	-0.957	0.001	0.009
FBgn0034474	1458.566	1925.372	991.760	0.515	-0.957	0.001	0.007
FBgn0023528	1448.728	1912.141	985.315	0.515	-0.957	0.001	0.007
FBgn0021761	238.369	314.577	162.161	0.515	-0.956	0.001	0.010
FBgn0037378	345.440	455.869	235.011	0.516	-0.956	0.003	0.026
FBgn0032979	994.885	1312.900	676.870	0.516	-0.956	0.004	0.030
FBgn0015477	1241.640	1638.206	845.075	0.516	-0.955	0.003	0.022
FBgn0030717	256.377	338.244	174.510	0.516	-0.955	0.002	0.015
FBgn0035702	111.604	147.241	75.968	0.516	-0.955	0.006	0.040
FBgn0037117	334.569	441.382	227.755	0.516	-0.955	0.001	0.011
FBgn0002938	71959.052	94925.816	48992.288	0.516	-0.954	0.000	0.004
FBgn0263048	137.360	181.061	93.658	0.517	-0.951	0.003	0.027
FBgn0041710	99.794	131.518	68.070	0.518	-0.950	0.008	0.050
FBgn0003732	841.011	1108.198	573.824	0.518	-0.950	0.000	0.004

FBgn0085335	4699.688	6192.470	3206.906	0.518	-0.949	0.000	0.002
FBgn0031692	6169.090	8127.021	4211.159	0.518	-0.949	0.000	0.002
FBgn0263241	351.719	463.284	240.154	0.518	-0.948	0.001	0.009
FBgn0036614	198.927	262.015	135.838	0.518	-0.948	0.002	0.018
FBgn0029114	257.116	338.543	175.690	0.519	-0.946	0.002	0.015
FBgn0032194	122.078	160.735	83.421	0.519	-0.946	0.005	0.037
FBgn0027526	316.649	416.397	216.900	0.521	-0.941	0.002	0.017
FBgn0052441	855.056	1124.408	585.704	0.521	-0.941	0.001	0.006
FBgn0030854	410.277	539.498	281.056	0.521	-0.941	0.001	0.009
FBgn0035206	762.403	1002.299	522.507	0.521	-0.940	0.001	0.011
FBgn0036973	92.134	121.107	63.161	0.522	-0.939	0.007	0.046
FBgn0033039	307.660	404.262	211.059	0.522	-0.938	0.001	0.009
FBgn0036211	3418.085	4489.213	2346.956	0.523	-0.936	0.000	0.006
FBgn0033055	481.176	631.892	330.460	0.523	-0.935	0.001	0.009
FBgn0032016	130.859	171.820	89.898	0.523	-0.935	0.006	0.040
FBgn0032524	711.396	933.677	489.115	0.524	-0.933	0.003	0.025
FBgn0037526	210.841	276.694	144.989	0.524	-0.932	0.002	0.019
FBgn0263120	7844.836	10293.735	5395.937	0.524	-0.932	0.000	0.004
FBgn0032358	406.849	533.625	280.073	0.525	-0.930	0.001	0.012
FBgn0053202	1093.061	1433.559	752.563	0.525	-0.930	0.000	0.005
FBgn0030041	3699.970	4850.868	2549.072	0.525	-0.928	0.000	0.004
FBgn0052702	833.846	1093.213	574.479	0.525	-0.928	0.000	0.006
FBgn0032338	426.661	559.208	294.115	0.526	-0.927	0.001	0.013
FBgn0003862	3490.754	4574.978	2406.531	0.526	-0.927	0.000	0.003
FBgn0029512	297.386	389.710	205.063	0.526	-0.926	0.001	0.012
FBgn0037142	762.230	998.749	525.711	0.526	-0.926	0.000	0.005
FBgn0031182	263.231	344.831	181.630	0.527	-0.925	0.002	0.020
FBgn0026378	290.968	381.011	200.926	0.527	-0.923	0.005	0.037
FBgn0260049	994.442	1301.309	687.576	0.528	-0.920	0.001	0.011
FBgn0032752	793.407	1037.868	548.947	0.529	-0.919	0.001	0.007
FBgn0033846	564.392	738.072	390.712	0.529	-0.918	0.001	0.008
FBgn0039056	933.733	1221.009	646.458	0.529	-0.917	0.000	0.005
FBgn0259221	3936.418	5147.025	2725.811	0.530	-0.917	0.000	0.004
FBgn0029863	551.596	721.100	382.092	0.530	-0.916	0.001	0.009

FBgn0027505	496.044	648.266	343.822	0.530	-0.915	0.001	0.011
FBgn0086371	451.692	590.231	313.153	0.531	-0.914	0.006	0.039
FBgn0034439	150.660	196.862	104.458	0.531	-0.914	0.006	0.040
FBgn0000313	27976.236	36547.477	19404.996	0.531	-0.913	0.000	0.003
FBgn0037544	428.969	560.296	297.641	0.531	-0.913	0.002	0.017
FBgn0002914	1497.338	1954.861	1039.814	0.532	-0.911	0.002	0.017
FBgn0030733	5566.114	7264.239	3867.989	0.532	-0.909	0.001	0.008
FBgn0030863	1104.827	1441.226	768.428	0.533	-0.907	0.000	0.005
FBgn0030734	944.725	1232.334	657.116	0.533	-0.907	0.001	0.012
FBgn0052944	406.646	530.428	282.864	0.533	-0.907	0.001	0.010
FBgn0001990	197.105	257.007	137.203	0.534	-0.906	0.003	0.023
FBgn0010220	247.115	322.170	172.059	0.534	-0.905	0.003	0.024
FBgn0038767	114.106	148.724	79.487	0.534	-0.904	0.006	0.043
FBgn0050394	358.549	467.312	249.786	0.535	-0.904	0.002	0.017
FBgn0053113	9139.937	11908.455	6371.420	0.535	-0.902	0.001	0.008
FBgn0263046	184.074	239.688	128.459	0.536	-0.900	0.007	0.046
FBgn0039117	393.655	512.527	274.782	0.536	-0.899	0.001	0.014
FBgn0000497	691.593	899.464	483.721	0.538	-0.895	0.001	0.009
FBgn0027948	4121.436	5359.528	2883.344	0.538	-0.894	0.000	0.004
FBgn0263973	588.211	764.678	411.744	0.538	-0.893	0.002	0.015
FBgn0035916	219.331	285.060	153.603	0.539	-0.892	0.006	0.040
FBgn0032456	5091.058	6614.299	3567.818	0.539	-0.891	0.002	0.022
FBgn0033038	477.457	620.213	334.701	0.540	-0.890	0.002	0.017
FBgn0028530	200.598	260.473	140.722	0.540	-0.888	0.007	0.044
FBgn0031670	1494.398	1939.821	1048.976	0.541	-0.887	0.001	0.012
FBgn0262509	1005.075	1303.984	706.167	0.542	-0.885	0.001	0.013
FBgn0039942	189.186	245.442	132.929	0.542	-0.885	0.004	0.030
FBgn0036263	91.585	118.793	64.378	0.542	-0.884	0.008	0.049
FBgn0026737	173.321	224.789	121.852	0.542	-0.883	0.003	0.027
FBgn0025830	294.229	381.394	207.063	0.543	-0.881	0.002	0.019
FBgn0035023	1625.082	2105.578	1144.586	0.544	-0.879	0.003	0.023
FBgn0036760	760.198	984.810	535.585	0.544	-0.879	0.001	0.012
FBgn0030603	843.343	1092.205	594.481	0.544	-0.878	0.008	0.050
FBgn0035231	1448.668	1875.386	1021.951	0.545	-0.876	0.001	0.007

FBgn0034158	1142.299	1478.633	805.965	0.545	-0.875	0.007	0.045
FBgn0043362	3672.605	4753.524	2591.685	0.545	-0.875	0.000	0.005
FBgn0262167	400.721	518.615	282.827	0.545	-0.875	0.001	0.014
FBgn0031601	240.091	310.722	169.460	0.545	-0.875	0.005	0.036
FBgn0015039	2433.573	3149.294	1717.852	0.545	-0.874	0.007	0.047
FBgn0032671	133.016	172.126	93.906	0.546	-0.874	0.008	0.049
FBgn0032744	325.844	421.543	230.144	0.546	-0.873	0.002	0.017
FBgn0039620	1407.869	1820.689	995.050	0.547	-0.872	0.001	0.009
FBgn0052022	151.128	195.440	106.817	0.547	-0.872	0.006	0.042
FBgn0038662	2163.425	2797.168	1529.683	0.547	-0.871	0.001	0.010
FBgn0016715	476.443	615.942	336.944	0.547	-0.870	0.007	0.046
FBgn0027562	1033.300	1335.135	731.465	0.548	-0.868	0.001	0.012
FBgn0033205	128.939	166.560	91.318	0.548	-0.867	0.005	0.034
FBgn0039023	176.171	227.525	124.817	0.549	-0.866	0.006	0.040
FBgn0262742	29268.559	37795.227	20741.892	0.549	-0.866	0.001	0.007
FBgn0032156	4825.826	6231.534	3420.118	0.549	-0.866	0.001	0.010
FBgn0086451	308.832	398.719	218.944	0.549	-0.865	0.002	0.022
FBgn0030801	151.133	195.110	107.156	0.549	-0.865	0.006	0.040
FBgn0261671	5951.386	7678.202	4224.570	0.550	-0.862	0.001	0.007
FBgn0052647	2769.058	3571.122	1966.995	0.551	-0.860	0.004	0.028
FBgn0259978	911.258	1174.483	648.032	0.552	-0.858	0.001	0.012
FBgn0015279	837.767	1079.727	595.807	0.552	-0.858	0.004	0.030
FBgn0033088	249.257	321.232	177.283	0.552	-0.858	0.003	0.024
FBgn0031673	1218.880	1570.820	866.940	0.552	-0.858	0.002	0.017
FBgn0034180	2841.453	3661.464	2021.441	0.552	-0.857	0.004	0.029
FBgn0026376	1058.769	1364.257	753.281	0.552	-0.857	0.001	0.009
FBgn0036668	974.838	1256.032	693.645	0.552	-0.857	0.001	0.013
FBgn0038752	408.604	526.378	290.830	0.553	-0.856	0.003	0.025
FBgn0027490	172.147	221.639	122.655	0.553	-0.854	0.004	0.032
FBgn0036289	881.080	1134.350	627.810	0.553	-0.853	0.002	0.015
FBgn0039602	314.107	404.145	224.069	0.554	-0.851	0.004	0.030
FBgn0038890	1053.655	1355.610	751.700	0.555	-0.851	0.001	0.011
FBgn0043005	304.227	391.201	217.252	0.555	-0.849	0.007	0.046
FBgn0037846	260.509	334.863	186.156	0.556	-0.847	0.003	0.022

FBgn0038593	335.572	431.032	240.111	0.557	-0.844	0.002	0.021
FBgn0033160	1144.526	1469.894	819.158	0.557	-0.843	0.001	0.008
FBgn0032614	291.178	373.939	208.416	0.557	-0.843	0.005	0.034
FBgn0037798	276.610	355.196	198.024	0.558	-0.843	0.003	0.025
FBgn0262517	703.478	903.282	503.673	0.558	-0.843	0.003	0.023
FBgn0034728	241.375	309.919	172.831	0.558	-0.843	0.005	0.036
FBgn0039183	289.985	372.282	207.687	0.558	-0.842	0.003	0.028
FBgn0023216	385.609	494.984	276.234	0.558	-0.841	0.006	0.042
FBgn0259896	309.832	397.689	221.976	0.558	-0.841	0.004	0.028
FBgn0015546	360.696	462.855	258.537	0.559	-0.840	0.003	0.027
FBgn0029167	2403.732	3083.229	1724.235	0.559	-0.838	0.001	0.013
FBgn0029828	914.128	1171.894	656.363	0.560	-0.836	0.002	0.019
FBgn0035411	809.577	1037.747	581.407	0.560	-0.836	0.001	0.012
FBgn0037120	1210.577	1551.294	869.860	0.561	-0.835	0.001	0.013
FBgn0086909	688.468	881.975	494.961	0.561	-0.833	0.002	0.018
FBgn0036191	352.236	451.222	253.251	0.561	-0.833	0.003	0.024
FBgn0037081	894.175	1145.127	643.222	0.562	-0.832	0.002	0.016
FBgn0035981	869.950	1113.790	626.111	0.562	-0.831	0.002	0.016
FBgn0022787	3000.051	3840.884	2159.218	0.562	-0.831	0.001	0.008
FBgn0044452	2308.599	2954.288	1662.911	0.563	-0.829	0.001	0.010
FBgn0036239	1771.684	2266.979	1276.390	0.563	-0.829	0.001	0.011
FBgn0036846	227.445	290.994	163.896	0.563	-0.828	0.004	0.034
FBgn0031842	2330.793	2981.649	1679.936	0.563	-0.828	0.002	0.017
FBgn0034964	728.105	931.358	524.853	0.564	-0.827	0.002	0.017
FBgn0026147	1201.583	1536.108	867.057	0.564	-0.825	0.004	0.030
FBgn0010014	1033.612	1321.346	745.877	0.564	-0.825	0.002	0.016
FBgn0050392	312.675	399.614	225.736	0.565	-0.824	0.004	0.030
FBgn0035110	356.016	454.903	257.128	0.565	-0.823	0.005	0.035
FBgn0013433	298.341	381.146	215.536	0.565	-0.822	0.005	0.036
FBgn0032633	996.906	1273.504	720.307	0.566	-0.822	0.002	0.018
FBgn0037074	2525.074	3225.641	1824.507	0.566	-0.822	0.005	0.037
FBgn0034660	898.799	1147.757	649.841	0.566	-0.821	0.002	0.019
FBgn0034958	1313.026	1676.713	949.338	0.566	-0.821	0.002	0.016
FBgn0027086	550.112	702.194	398.030	0.567	-0.819	0.002	0.021

FBgn0039726	337.582	430.841	244.322	0.567	-0.818	0.004	0.031
FBgn0037440	598.408	763.486	433.331	0.568	-0.817	0.004	0.031
FBgn0038035	199.266	254.217	144.316	0.568	-0.817	0.006	0.042
FBgn0025676	283.507	361.619	205.396	0.568	-0.816	0.005	0.036
FBgn0038349	1828.995	2332.655	1325.334	0.568	-0.816	0.001	0.014
FBgn0037019	228.617	291.468	165.767	0.569	-0.814	0.004	0.031
FBgn0036299	729.788	930.357	529.219	0.569	-0.814	0.003	0.023
FBgn0040322	710.337	905.089	515.584	0.570	-0.812	0.002	0.016
FBgn0040372	1064.936	1356.653	773.219	0.570	-0.811	0.002	0.020
FBgn0040323	334.979	426.606	243.353	0.570	-0.810	0.003	0.027
FBgn0046296	229.588	292.342	166.835	0.571	-0.809	0.006	0.043
FBgn0263199	2167.479	2759.651	1575.307	0.571	-0.809	0.001	0.013
FBgn0032938	1283.585	1633.827	933.344	0.571	-0.808	0.005	0.035
FBgn0001247	948.672	1207.504	689.841	0.571	-0.808	0.002	0.018
FBgn0034346	382.835	486.688	278.981	0.573	-0.803	0.007	0.045
FBgn0029899	2588.511	3290.677	1886.345	0.573	-0.803	0.001	0.014
FBgn0011232	751.848	955.194	548.502	0.574	-0.800	0.004	0.033
FBgn0036752	587.696	746.594	428.797	0.574	-0.800	0.004	0.032
FBgn0036262	6345.539	8060.142	4630.937	0.575	-0.800	0.002	0.016
FBgn0016081	7419.502	9414.318	5424.686	0.576	-0.795	0.006	0.040
FBgn0031573	175.843	223.116	128.570	0.576	-0.795	0.007	0.049
FBgn0030344	520.638	660.183	381.092	0.577	-0.793	0.004	0.029
FBgn0033434	671.221	850.804	491.639	0.578	-0.791	0.005	0.035
FBgn0036980	1785.782	2263.099	1308.464	0.578	-0.790	0.001	0.015
FBgn0015575	4051.854	5131.919	2971.790	0.579	-0.788	0.002	0.018
FBgn0015269	2407.056	3048.175	1765.937	0.579	-0.788	0.002	0.018
FBgn0036512	390.808	494.782	286.835	0.580	-0.787	0.006	0.041
FBgn0013984	1184.865	1499.567	870.162	0.580	-0.785	0.002	0.019
FBgn0032513	836.391	1058.441	614.342	0.580	-0.785	0.002	0.020
FBgn0032727	614.885	777.952	451.818	0.581	-0.784	0.004	0.030
FBgn0020503	5778.601	7309.811	4247.392	0.581	-0.783	0.002	0.015
FBgn0034572	566.517	716.498	416.536	0.581	-0.783	0.003	0.026
FBgn0086779	570.936	722.001	419.870	0.582	-0.782	0.007	0.048
FBgn0262109	68140.319	86131.056	50149.582	0.582	-0.780	0.001	0.013



FBgn0053110	1022.051	1291.710	752.391	0.582	-0.780	0.003	0.026
FBgn0034543	590.719	746.175	435.264	0.583	-0.778	0.007	0.048
FBgn0034345	1741.843	2198.947	1284.739	0.584	-0.775	0.003	0.024
FBgn0031893	705.825	890.836	520.814	0.585	-0.774	0.003	0.022
FBgn0259680	1058.971	1336.124	781.819	0.585	-0.773	0.005	0.035
FBgn0033544	5122.775	6463.197	3782.354	0.585	-0.773	0.003	0.027
FBgn0015565	804.948	1015.368	594.528	0.586	-0.772	0.003	0.026
FBgn0085414	3727.203	4701.338	2753.068	0.586	-0.772	0.002	0.021
FBgn0037073	552.595	696.867	408.324	0.586	-0.771	0.007	0.045
FBgn0010741	547.564	688.971	406.157	0.590	-0.762	0.008	0.049
FBgn0040260	363.856	457.741	269.972	0.590	-0.762	0.007	0.046
FBgn0263133	561.822	706.484	417.160	0.590	-0.760	0.006	0.042
FBgn0027547	2313.720	2909.292	1718.148	0.591	-0.760	0.004	0.029
FBgn0033902	1742.901	2190.513	1295.289	0.591	-0.758	0.005	0.037
FBgn0033889	915.554	1150.053	681.055	0.592	-0.756	0.004	0.033
FBgn0032899	1244.178	1561.544	926.813	0.594	-0.753	0.004	0.032
FBgn0011589	1202.895	1509.708	896.083	0.594	-0.753	0.007	0.045
FBgn0263599	1042.609	1308.319	776.900	0.594	-0.752	0.004	0.030
FBgn0051414	627.960	787.858	468.063	0.594	-0.751	0.004	0.028
FBgn0036053	1682.785	2108.653	1256.917	0.596	-0.746	0.003	0.026
FBgn0037897	921.011	1153.946	688.076	0.596	-0.746	0.005	0.034
FBgn0041604	1000.159	1252.714	747.605	0.597	-0.745	0.006	0.042
FBgn0051195	1183.041	1480.532	885.550	0.598	-0.741	0.005	0.036
FBgn0015509	2990.690	3741.849	2239.532	0.599	-0.741	0.003	0.023
FBgn0035111	614.421	768.707	460.134	0.599	-0.740	0.006	0.041
FBgn0039321	4042.117	5055.172	3029.062	0.599	-0.739	0.004	0.028
FBgn0031914	1424.162	1780.299	1068.024	0.600	-0.737	0.006	0.040
FBgn0020497	1653.419	2066.760	1240.079	0.600	-0.737	0.007	0.044
FBgn0034184	3028.987	3780.739	2277.234	0.602	-0.731	0.006	0.040
FBgn0037138	10482.274	13080.464	7884.084	0.603	-0.730	0.005	0.038
FBgn0040273	1017.732	1268.784	766.680	0.604	-0.727	0.004	0.030
FBgn0022153	1218.562	1518.657	918.466	0.605	-0.725	0.003	0.026
FBgn0051344	1003.876	1250.433	757.319	0.606	-0.723	0.005	0.039
FBgn0033225	574.773	715.895	433.651	0.606	-0.723	0.007	0.046

FBgn0032222	1063.874	1324.951	802.796	0.606	-0.723	0.007	0.048
FBgn0259682	5676.746	7069.604	4283.887	0.606	-0.723	0.004	0.029
FBgn0005410	2782.031	3464.089	2099.973	0.606	-0.722	0.003	0.026
FBgn0037347	561.986	699.731	424.241	0.606	-0.722	0.005	0.037
FBgn0039081	2333.658	2905.574	1761.741	0.606	-0.722	0.005	0.038
FBgn0039466	1720.657	2140.015	1301.299	0.608	-0.718	0.004	0.029
FBgn0032167	558.697	694.634	422.759	0.609	-0.716	0.006	0.040
FBgn0016123	1646.888	2047.252	1246.525	0.609	-0.716	0.007	0.047
FBgn0032879	1452.003	1804.539	1099.467	0.609	-0.715	0.007	0.045
FBgn0263601	1203.109	1490.739	915.479	0.614	-0.703	0.005	0.038
FBgn0260942	1177.101	1454.006	900.196	0.619	-0.692	0.006	0.044
FBgn0052311	7501.335	9259.969	5742.702	0.620	-0.689	0.005	0.037
FBgn0000283	1918.496	2362.816	1474.175	0.624	-0.681	0.006	0.044
FBgn0005632	7277.980	8951.002	5604.959	0.626	-0.675	0.006	0.041
FBgn0001208	6406.709	7839.602	4973.815	0.634	-0.656	0.006	0.041
FBgn0010213	3848.844	3052.843	4644.846	1.521	0.605	0.007	0.044
FBgn0000259	2743.792	2170.287	3317.297	1.529	0.612	0.008	0.049
FBgn0037270	5877.202	4610.493	7143.911	1.549	0.632	0.004	0.029
FBgn0030079	2173.846	1704.045	2643.647	1.551	0.634	0.006	0.042
FBgn0086355	10353.527	8102.611	12604.442	1.556	0.637	0.007	0.047
FBgn0031883	5925.796	4636.052	7215.539	1.556	0.638	0.007	0.047
FBgn0001257	1908.269	1492.309	2324.230	1.557	0.639	0.007	0.044
FBgn0024183	5106.722	3979.872	6233.572	1.566	0.647	0.008	0.049
FBgn0038515	1116.699	869.587	1363.811	1.568	0.649	0.008	0.049
FBgn0039561	2352.802	1831.777	2873.827	1.569	0.650	0.006	0.041
FBgn0027057	2084.858	1618.843	2550.873	1.576	0.656	0.006	0.040
FBgn0261642	6812.313	5289.225	8335.401	1.576	0.656	0.005	0.038
FBgn0037892	683.099	529.207	836.991	1.582	0.661	0.005	0.038
FBgn0036488	968.153	749.868	1186.437	1.582	0.662	0.005	0.035
FBgn0051549	692.712	536.338	849.086	1.583	0.663	0.006	0.040
FBgn0032059	732.973	567.250	898.695	1.584	0.664	0.006	0.044
FBgn0003941	49557.922	38191.999	60923.844	1.595	0.674	0.003	0.022
FBgn0000567	1568.287	1208.604	1927.971	1.595	0.674	0.004	0.032
FBgn0003386	3256.176	2503.917	4008.435	1.601	0.679	0.006	0.040

FBgn0039481	1730.349	1330.028	2130.671	1.602	0.680	0.006	0.041
FBgn0030328	7262.642	5581.267	8944.017	1.603	0.680	0.003	0.024
FBgn0002940	952097.829	730793.405	1173402.252	1.606	0.683	0.005	0.038
FBgn0023167	894.966	686.750	1103.182	1.606	0.684	0.006	0.043
FBgn0032651	563.194	432.010	694.378	1.607	0.685	0.007	0.047
FBgn0026089	1112.411	852.224	1372.597	1.611	0.688	0.006	0.040
FBgn0011766	2735.328	2095.139	3375.516	1.611	0.688	0.004	0.032
FBgn0029937	999.670	765.166	1234.174	1.613	0.690	0.005	0.038
FBgn0031818	1845.674	1412.698	2278.651	1.613	0.690	0.006	0.041
FBgn0028703	6495.516	4971.325	8019.708	1.613	0.690	0.006	0.044
FBgn0032420	731.956	560.074	903.837	1.614	0.690	0.004	0.033
FBgn0030838	1964.756	1503.166	2426.346	1.614	0.691	0.003	0.026
FBgn0040375	1007.799	770.179	1245.419	1.617	0.693	0.008	0.049
FBgn0038774	2364.179	1805.146	2923.212	1.619	0.695	0.003	0.028
FBgn0037102	1080.497	824.726	1336.267	1.620	0.696	0.005	0.037
FBgn0031836	6014.229	4590.232	7438.226	1.620	0.696	0.002	0.021
FBgn0030593	15598.272	11903.017	19293.528	1.621	0.697	0.005	0.037
FBgn0036152	1477.455	1127.414	1827.497	1.621	0.697	0.002	0.021
FBgn0022160	9495.287	7243.932	11746.643	1.622	0.697	0.006	0.042
FBgn0005694	1697.496	1294.592	2100.400	1.622	0.698	0.005	0.036
FBgn0031106	822.515	627.058	1017.971	1.623	0.699	0.006	0.042
FBgn0036489	340.678	259.350	422.005	1.627	0.702	0.004	0.034
FBgn0004362	1402.256	1067.074	1737.437	1.628	0.703	0.004	0.032
FBgn0031011	1431.652	1089.356	1773.948	1.628	0.703	0.004	0.029
FBgn0036111	3792.043	2882.974	4701.112	1.631	0.705	0.005	0.039
FBgn0037130	1187.437	902.752	1472.122	1.631	0.705	0.008	0.049
FBgn0033919	4268.953	3244.621	5293.285	1.631	0.706	0.006	0.043
FBgn0030974	2931.276	2225.986	3636.565	1.634	0.708	0.005	0.037
FBgn0030114	1161.145	881.153	1441.137	1.636	0.710	0.007	0.045
FBgn0020496	4003.883	3038.088	4969.678	1.636	0.710	0.003	0.023
FBgn0039102	3915.162	2970.709	4859.616	1.636	0.710	0.005	0.035
FBgn0019947	1020.695	774.453	1266.938	1.636	0.710	0.007	0.049
FBgn0035639	1028.915	780.679	1277.150	1.636	0.710	0.006	0.044
FBgn0038948	620.816	470.743	770.890	1.638	0.712	0.004	0.029

FBgn0062440	2342.803	1776.160	2909.446	1.638	0.712	0.002	0.015
FBgn0004855	789.906	598.655	981.158	1.639	0.713	0.006	0.044
FBgn0028991	2604.365	1973.156	3235.573	1.640	0.714	0.006	0.042
FBgn0001114	23495.241	17797.349	29193.132	1.640	0.714	0.003	0.027
FBgn0011205	1266.733	959.486	1573.979	1.640	0.714	0.004	0.031
FBgn0083961	1212.565	918.356	1506.775	1.641	0.714	0.003	0.028
FBgn0017566	14147.906	10712.520	17583.293	1.641	0.715	0.004	0.029
FBgn0039966	994.850	752.509	1237.191	1.644	0.717	0.004	0.029
FBgn0030329	2987.088	2258.600	3715.575	1.645	0.718	0.003	0.027
FBgn0020910	33077.702	25010.119	41145.285	1.645	0.718	0.008	0.050
FBgn0014869	10183.452	7694.888	12672.017	1.647	0.720	0.003	0.025
FBgn0031791	422.966	319.488	526.445	1.648	0.721	0.007	0.045
FBgn0040877	590.509	446.022	734.997	1.648	0.721	0.006	0.043
FBgn0263993	4776.250	3605.833	5946.666	1.649	0.722	0.006	0.039
FBgn0028420	2862.009	2158.085	3565.934	1.652	0.725	0.004	0.033
FBgn0029504	4994.833	3765.867	6223.799	1.653	0.725	0.004	0.028
FBgn0040340	2279.263	1718.125	2840.400	1.653	0.725	0.002	0.021
FBgn0038771	1649.669	1243.124	2056.214	1.654	0.726	0.001	0.014
FBgn0039494	1142.192	860.684	1423.699	1.654	0.726	0.007	0.046
FBgn0033812	1967.729	1482.617	2452.841	1.654	0.726	0.007	0.044
FBgn0037930	1040.803	783.974	1297.632	1.655	0.727	0.002	0.019
FBgn0039186	1583.036	1192.229	1973.842	1.656	0.727	0.007	0.044
FBgn0015321	1389.105	1045.989	1732.221	1.656	0.728	0.003	0.025
FBgn0025335	918.575	691.282	1145.868	1.658	0.729	0.003	0.024
FBgn0039451	2321.844	1747.083	2896.605	1.658	0.729	0.007	0.044
FBgn0262114	6086.146	4577.548	7594.743	1.659	0.730	0.004	0.031
FBgn0000286	2272.819	1709.298	2836.339	1.659	0.731	0.003	0.027
FBgn0039767	1326.502	997.220	1655.783	1.660	0.732	0.005	0.034
FBgn0034611	1314.207	987.772	1640.641	1.661	0.732	0.005	0.034
FBgn0030584	2273.897	1708.638	2839.156	1.662	0.733	0.006	0.042
FBgn0003475	6410.949	4816.932	8004.967	1.662	0.733	0.006	0.043
FBgn0024362	1514.382	1137.700	1891.064	1.662	0.733	0.004	0.033
FBgn0085410	585.027	439.418	730.636	1.663	0.734	0.007	0.047
FBgn0031896	1243.299	933.581	1553.017	1.664	0.734	0.004	0.031

FBgn0027493	4326.522	3248.569	5404.476	1.664	0.734	0.004	0.030
FBgn0025638	1730.394	1298.929	2161.860	1.664	0.735	0.002	0.019
FBgn0033814	2322.129	1741.958	2902.301	1.666	0.736	0.005	0.038
FBgn0024983	581.452	436.096	726.808	1.667	0.737	0.003	0.027
FBgn0033403	3120.234	2339.583	3900.886	1.667	0.738	0.004	0.030
FBgn0041775	5342.180	4005.398	6678.961	1.667	0.738	0.003	0.025
FBgn0030011	2862.762	2146.068	3579.457	1.668	0.738	0.003	0.022
FBgn0024556	2927.205	2194.245	3660.166	1.668	0.738	0.004	0.029
FBgn0011236	821.378	615.518	1027.239	1.669	0.739	0.005	0.035
FBgn0038546	1083.332	811.762	1354.903	1.669	0.739	0.002	0.018
FBgn0028862	1376.378	1031.344	1721.413	1.669	0.739	0.005	0.036
FBgn0029148	776.857	582.082	971.633	1.669	0.739	0.004	0.030
FBgn0030269	588.486	440.927	736.045	1.669	0.739	0.002	0.021
FBgn0051855	469.470	351.632	587.309	1.670	0.740	0.007	0.044
FBgn0040529	9413.537	7050.233	11776.841	1.670	0.740	0.002	0.021
FBgn0052772	1096.394	821.043	1371.746	1.671	0.740	0.005	0.038
FBgn0025373	474.436	355.252	593.620	1.671	0.741	0.006	0.042
FBgn0014184	46350.328	34692.816	58007.840	1.672	0.742	0.003	0.024
FBgn0030894	462.516	346.188	578.843	1.672	0.742	0.006	0.042
FBgn0030658	698.767	522.953	874.582	1.672	0.742	0.003	0.026
FBgn0000045	2406.265	1800.698	3011.833	1.673	0.742	0.003	0.024
FBgn0052675	2724.909	2038.617	3411.200	1.673	0.743	0.002	0.018
FBgn0030403	2131.837	1594.612	2669.061	1.674	0.743	0.006	0.039
FBgn0014868	1583.679	1184.046	1983.311	1.675	0.744	0.002	0.018
FBgn0041585	1346.446	1006.538	1686.353	1.675	0.745	0.003	0.024
FBgn0250746	2042.763	1526.817	2558.709	1.676	0.745	0.002	0.019
FBgn0035473	1878.755	1404.202	2353.308	1.676	0.745	0.006	0.040
FBgn0015320	848.044	633.678	1062.410	1.677	0.746	0.002	0.018
FBgn0024285	1766.269	1319.486	2213.051	1.677	0.746	0.004	0.032
FBgn0034118	642.949	480.294	805.604	1.677	0.746	0.004	0.030
FBgn0259938	1486.122	1109.937	1862.308	1.678	0.747	0.004	0.032
FBgn0036106	9799.433	7314.881	12283.986	1.679	0.748	0.002	0.018
FBgn0013720	912.586	681.071	1144.102	1.680	0.748	0.002	0.019
FBgn0024360	397.852	296.910	498.794	1.680	0.748	0.008	0.050

FBgn0263072	5484.712	4092.244	6877.179	1.681	0.749	0.002	0.021
FBgn0027791	394.389	294.177	494.602	1.681	0.750	0.003	0.024
FBgn0263995	9990.381	7449.961	12530.800	1.682	0.750	0.003	0.027
FBgn0033083	508.940	379.467	638.412	1.682	0.751	0.006	0.043
FBgn0020510	1012.546	754.240	1270.851	1.685	0.753	0.006	0.043
FBgn0029715	1142.637	850.918	1434.357	1.686	0.753	0.002	0.021
FBgn0041210	4055.562	3019.442	5091.681	1.686	0.754	0.004	0.032
FBgn0039492	2855.363	2125.860	3584.866	1.686	0.754	0.005	0.036
FBgn0038787	1615.688	1202.843	2028.534	1.686	0.754	0.003	0.026
FBgn0261619	32802.482	24419.783	41185.181	1.687	0.754	0.002	0.022
FBgn0038876	896.145	667.058	1125.232	1.687	0.754	0.005	0.036
FBgn0013770	22583.259	16809.917	28356.601	1.687	0.754	0.003	0.023
FBgn0001168	953.669	709.795	1197.544	1.687	0.755	0.002	0.019
FBgn0038586	332.369	247.357	417.380	1.687	0.755	0.006	0.041
FBgn0263773	4608.795	3428.552	5789.039	1.688	0.756	0.002	0.020
FBgn0062442	3667.344	2727.762	4606.926	1.689	0.756	0.006	0.042
FBgn0031534	1415.718	1052.951	1778.485	1.689	0.756	0.007	0.048
FBgn0005771	1888.164	1404.254	2372.075	1.689	0.756	0.003	0.026
FBgn0039019	529.301	393.634	664.968	1.689	0.756	0.002	0.021
FBgn0031664	428.487	318.563	538.412	1.690	0.757	0.004	0.032
FBgn0085188	1265.243	939.782	1590.703	1.693	0.759	0.002	0.018
FBgn0034645	6200.765	4605.339	7796.191	1.693	0.759	0.001	0.013
FBgn0016685	2146.360	1594.052	2698.667	1.693	0.760	0.002	0.015
FBgn0037299	1092.171	810.987	1373.355	1.693	0.760	0.003	0.027
FBgn0031971	5910.578	4387.732	7433.424	1.694	0.761	0.001	0.010
FBgn0011701	1834.797	1362.063	2307.531	1.694	0.761	0.006	0.039
FBgn0030266	4397.538	3264.307	5530.769	1.694	0.761	0.005	0.038
FBgn0066114	824.812	612.196	1037.428	1.695	0.761	0.003	0.025
FBgn0004926	2150.959	1595.371	2706.546	1.696	0.763	0.004	0.031
FBgn0051057	3805.347	2822.023	4788.671	1.697	0.763	0.004	0.031
FBgn0033886	2245.240	1664.206	2826.274	1.698	0.764	0.003	0.022
FBgn0036643	1025.515	760.019	1291.010	1.699	0.764	0.004	0.029
FBgn0039509	1297.947	961.452	1634.442	1.700	0.766	0.002	0.020
FBgn0027621	11711.359	8673.867	14748.851	1.700	0.766	0.002	0.020

FBgn0034138	32226.037	23860.175	40591.899	1.701	0.767	0.002	0.016
FBgn0030966	764.768	566.117	963.418	1.702	0.767	0.002	0.019
FBgn0035589	998.106	738.705	1257.508	1.702	0.767	0.002	0.015
FBgn0030552	531.706	393.070	670.341	1.705	0.770	0.004	0.029
FBgn0024234	1004.671	742.517	1266.825	1.706	0.771	0.003	0.026
FBgn0259172	607.841	449.184	766.499	1.706	0.771	0.007	0.046
FBgn0030243	2251.541	1663.656	2839.425	1.707	0.771	0.003	0.025
FBgn0033079	1252.695	925.399	1579.991	1.707	0.772	0.004	0.028
FBgn0021875	469.570	346.854	592.286	1.708	0.772	0.003	0.026
FBgn0036514	178.279	131.667	224.890	1.708	0.772	0.008	0.049
FBgn0030350	1708.096	1261.488	2154.704	1.708	0.772	0.002	0.015
FBgn0039743	1640.927	1211.380	2070.474	1.709	0.773	0.008	0.050
FBgn0033529	1726.370	1274.216	2178.525	1.710	0.774	0.001	0.010
FBgn0033235	1188.709	877.016	1500.402	1.711	0.775	0.003	0.024
FBgn0027560	29259.922	21581.914	36937.929	1.712	0.775	0.002	0.021
FBgn0031713	1425.040	1050.893	1799.188	1.712	0.776	0.002	0.017
FBgn0010441	528.552	389.770	667.333	1.712	0.776	0.007	0.045
FBgn0040346	627.908	462.691	793.124	1.714	0.777	0.004	0.030
FBgn0011818	1293.052	952.769	1633.334	1.714	0.778	0.002	0.015
FBgn0000221	138.915	102.314	175.516	1.715	0.779	0.006	0.040
FBgn0033342	2097.577	1544.716	2650.437	1.716	0.779	0.002	0.019
FBgn0026409	25951.194	19105.088	32797.300	1.717	0.780	0.001	0.013
FBgn0003044	1225.959	902.514	1549.404	1.717	0.780	0.004	0.029
FBgn0030306	1838.463	1353.020	2323.906	1.718	0.780	0.002	0.020
FBgn0037135	7978.873	5872.058	10085.689	1.718	0.780	0.003	0.023
FBgn0040235	680.410	500.453	860.367	1.719	0.782	0.001	0.013
FBgn0052638	1354.983	996.320	1713.645	1.720	0.782	0.002	0.015
FBgn0026872	1012.092	744.086	1280.097	1.720	0.783	0.003	0.024
FBgn0015766	35782.807	26288.973	45276.642	1.722	0.784	0.003	0.024
FBgn0039136	1797.541	1319.590	2275.492	1.724	0.786	0.002	0.016
FBgn0023211	1950.676	1431.271	2470.080	1.726	0.787	0.003	0.025
FBgn0262567	246.726	180.931	312.522	1.727	0.789	0.003	0.023
FBgn0261572	378.515	277.550	479.480	1.728	0.789	0.004	0.032
FBgn0032656	1115.909	818.177	1413.641	1.728	0.789	0.002	0.018

FBgn0033166	2851.165	2090.329	3612.001	1.728	0.789	0.002	0.015
FBgn0035294	640.584	469.537	811.631	1.729	0.790	0.004	0.033
FBgn0038113	374.638	274.593	474.683	1.729	0.790	0.007	0.045
FBgn0031051	1200.808	880.132	1521.484	1.729	0.790	0.002	0.020
FBgn0011640	2483.417	1820.204	3146.629	1.729	0.790	0.001	0.010
FBgn0002930	5940.163	4352.185	7528.140	1.730	0.791	0.001	0.010
FBgn0003963	671.768	492.160	851.376	1.730	0.791	0.006	0.044
FBgn0261444	6192.614	4535.482	7849.747	1.731	0.791	0.002	0.016
FBgn0051075	890.535	652.051	1129.018	1.731	0.792	0.006	0.040
FBgn0020545	2241.819	1641.335	2842.302	1.732	0.792	0.006	0.042
FBgn0031080	157.319	115.169	199.469	1.732	0.792	0.006	0.042
FBgn0039562	4884.531	3574.848	6194.214	1.733	0.793	0.003	0.024
FBgn0020389	1439.302	1052.615	1825.988	1.735	0.795	0.006	0.039
FBgn0024364	375.785	274.818	476.751	1.735	0.795	0.005	0.035
FBgn0003997	496.315	362.876	629.753	1.735	0.795	0.003	0.024
FBgn0261461	3265.815	2386.920	4144.710	1.736	0.796	0.001	0.014
FBgn0039977	273.050	199.542	346.557	1.737	0.796	0.007	0.045
FBgn0030052	1923.072	1405.300	2440.843	1.737	0.797	0.005	0.037
FBgn0041188	6493.494	4743.798	8243.191	1.738	0.797	0.004	0.029
FBgn0028543	5959.652	4353.676	7565.629	1.738	0.797	0.001	0.012
FBgn0001123	1521.096	1111.088	1931.103	1.738	0.797	0.001	0.013
FBgn0031913	3185.740	2324.291	4047.188	1.741	0.800	0.001	0.013
FBgn0004856	1302.549	950.300	1654.798	1.741	0.800	0.001	0.014
FBgn0030000	390.773	285.042	496.504	1.742	0.801	0.002	0.020
FBgn0032405	923.892	673.542	1174.242	1.743	0.802	0.001	0.013
FBgn0259166	2113.833	1540.752	2686.913	1.744	0.802	0.002	0.015
FBgn0001145	41417.680	30187.813	52647.547	1.744	0.802	0.002	0.017
FBgn0033972	1135.155	827.350	1442.959	1.744	0.802	0.002	0.020
FBgn0034918	320.526	233.581	407.471	1.744	0.803	0.005	0.037
FBgn0005648	1031.427	751.454	1311.401	1.745	0.803	0.001	0.013
FBgn0000180	300.765	218.913	382.617	1.748	0.806	0.007	0.045
FBgn0030304	5619.016	4089.094	7148.938	1.748	0.806	0.002	0.016
FBgn0015359	658.398	479.114	837.681	1.748	0.806	0.002	0.017
FBgn0029838	340.829	247.834	433.824	1.750	0.808	0.005	0.038



FBgn0035318	859.868	625.064	1094.672	1.751	0.808	0.001	0.014
FBgn0039175	642.600	466.955	818.244	1.752	0.809	0.006	0.040
FBgn0030926	1291.327	938.363	1644.292	1.752	0.809	0.003	0.024
FBgn0034693	8598.554	6243.881	10953.226	1.754	0.811	0.001	0.011
FBgn0050127	1486.450	1079.008	1893.892	1.755	0.812	0.004	0.032
FBgn0016041	2451.315	1779.323	3123.306	1.755	0.812	0.001	0.007
FBgn0243516	2518.142	1827.185	3209.099	1.756	0.813	0.003	0.022
FBgn0011642	188.036	136.376	239.697	1.758	0.814	0.003	0.025
FBgn0033649	496.222	359.863	632.582	1.758	0.814	0.007	0.047
FBgn0002932	193.227	140.102	246.353	1.758	0.814	0.007	0.046
FBgn0031381	9155.207	6635.311	11675.103	1.760	0.815	0.001	0.007
FBgn0030347	1483.703	1074.832	1892.574	1.761	0.816	0.001	0.011
FBgn0263392	8869.419	6424.741	11314.097	1.761	0.816	0.003	0.026
FBgn0030648	2826.774	2047.592	3605.957	1.761	0.816	0.001	0.011
FBgn0029176	24938.852	18059.285	31818.418	1.762	0.817	0.003	0.023
FBgn0033349	1168.501	845.829	1491.173	1.763	0.818	0.002	0.016
FBgn0030096	499.709	361.632	637.787	1.764	0.819	0.003	0.026
FBgn0061515	3278.911	2372.244	4185.578	1.764	0.819	0.001	0.009
FBgn0025634	553.367	400.345	706.389	1.764	0.819	0.003	0.027
FBgn0029858	168.364	121.804	214.924	1.765	0.819	0.007	0.046
FBgn0025620	4944.856	3577.242	6312.470	1.765	0.819	0.002	0.021
FBgn0262782	15643.239	11316.420	19970.058	1.765	0.819	0.001	0.009
FBgn0038930	10694.507	7735.556	13653.459	1.765	0.820	0.000	0.004
FBgn0000964	446.535	322.922	570.149	1.766	0.820	0.003	0.024
FBgn0040918	1376.995	995.762	1758.228	1.766	0.820	0.001	0.009
FBgn0030530	819.935	592.766	1047.103	1.766	0.821	0.002	0.020
FBgn0034718	2422.815	1751.317	3094.313	1.767	0.821	0.002	0.015
FBgn0038312	305.201	220.573	389.829	1.767	0.822	0.002	0.018
FBgn0034646	536.178	387.418	684.938	1.768	0.822	0.002	0.018
FBgn0034789	7887.482	5699.017	10075.947	1.768	0.822	0.001	0.010
FBgn0000527	4973.456	3592.868	6354.043	1.769	0.823	0.003	0.024
FBgn0011297	486.325	351.281	621.368	1.769	0.823	0.002	0.017
FBgn0264339	1864.055	1346.410	2381.700	1.769	0.823	0.002	0.018
FBgn0039757	29745.553	21463.434	38027.673	1.772	0.825	0.001	0.006

FBgn0032751	231.452	166.974	295.930	1.772	0.826	0.001	0.011
FBgn0036641	264.211	190.523	337.900	1.774	0.827	0.003	0.024
FBgn0031093	749.918	540.493	959.342	1.775	0.828	0.003	0.027
FBgn0030056	773.198	557.125	989.272	1.776	0.828	0.002	0.016
FBgn0038950	1029.867	742.023	1317.711	1.776	0.828	0.001	0.011
FBgn0002579	48171.467	34700.637	61642.298	1.776	0.829	0.005	0.038
FBgn0030092	271.855	195.775	347.934	1.777	0.830	0.002	0.015
FBgn0033485	875.555	630.427	1120.683	1.778	0.830	0.001	0.011
FBgn0031285	22552.978	16238.794	28867.162	1.778	0.830	0.001	0.009
FBgn0029824	961.262	692.092	1230.431	1.778	0.830	0.004	0.033
FBgn0037342	889.452	640.328	1138.575	1.778	0.830	0.003	0.023
FBgn0035251	2312.425	1664.447	2960.402	1.779	0.831	0.005	0.034
FBgn0015919	308.958	222.333	395.583	1.779	0.831	0.006	0.039
FBgn0028274	615.162	442.620	787.705	1.780	0.832	0.002	0.018
FBgn0037956	1568.273	1128.086	2008.460	1.780	0.832	0.001	0.007
FBgn0032022	3140.018	2258.542	4021.493	1.781	0.832	0.001	0.014
FBgn0030511	402.765	289.625	515.904	1.781	0.833	0.001	0.011
FBgn0260855	1955.120	1405.467	2504.773	1.782	0.834	0.001	0.009
FBgn0031042	280.828	201.792	359.863	1.783	0.835	0.006	0.041
FBgn0034817	338.396	243.104	433.688	1.784	0.835	0.003	0.025
FBgn0036958	2774.412	1992.971	3555.853	1.784	0.835	0.001	0.012
FBgn0032773	12512.045	8985.340	16038.750	1.785	0.836	0.002	0.015
FBgn0016794	1428.320	1025.483	1831.156	1.786	0.836	0.002	0.019
FBgn0042696	324.415	232.814	416.016	1.787	0.837	0.006	0.043
FBgn0022959	5746.957	4122.580	7371.334	1.788	0.838	0.001	0.013
FBgn0032140	3257.762	2336.250	4179.275	1.789	0.839	0.003	0.025
FBgn0058263	125.547	90.008	161.086	1.790	0.840	0.005	0.038
FBgn0033188	5206.401	3732.054	6680.749	1.790	0.840	0.000	0.006
FBgn0042650	1794.822	1286.251	2303.394	1.791	0.841	0.001	0.013
FBgn0037121	348.408	249.660	447.156	1.791	0.841	0.001	0.011
FBgn0031895	518.697	371.628	665.765	1.791	0.841	0.003	0.024
FBgn0052479	2834.603	2029.874	3639.331	1.793	0.842	0.005	0.036
FBgn0035141	226.543	162.224	290.861	1.793	0.842	0.002	0.017
FBgn0029580	289.005	206.885	371.126	1.794	0.843	0.003	0.026

FBgn0024509	1842.561	1318.790	2366.331	1.794	0.843	0.001	0.011
FBgn0031391	662.731	474.290	851.173	1.795	0.844	0.002	0.019
FBgn0030878	1051.661	752.268	1351.055	1.796	0.845	0.001	0.009
FBgn0034588	9565.836	6841.264	12290.409	1.797	0.845	0.001	0.008
FBgn0051232	682.542	488.063	877.020	1.797	0.846	0.005	0.035
FBgn0035529	706.740	504.879	908.600	1.800	0.848	0.001	0.007
FBgn0027950	1358.474	970.316	1746.632	1.800	0.848	0.001	0.008
FBgn0040850	612.941	437.628	788.255	1.801	0.849	0.002	0.016
FBgn0027343	186.739	133.318	240.160	1.801	0.849	0.006	0.043
FBgn0259715	6875.268	4905.342	8845.193	1.803	0.851	0.001	0.008
FBgn0260648	168.807	120.405	217.208	1.804	0.851	0.004	0.029
FBgn0038819	244.086	173.960	314.213	1.806	0.853	0.007	0.046
FBgn0030057	258.057	183.871	332.243	1.807	0.854	0.004	0.029
FBgn0036285	419.674	298.614	540.733	1.811	0.857	0.001	0.011
FBgn0016693	4048.771	2880.759	5216.782	1.811	0.857	0.001	0.007
FBgn0085212	160.529	114.199	206.860	1.811	0.857	0.002	0.021
FBgn0030581	5738.532	4078.510	7398.554	1.814	0.859	0.000	0.006
FBgn0021944	411.843	292.480	531.206	1.816	0.861	0.002	0.018
FBgn0032694	1100.957	781.813	1420.100	1.816	0.861	0.002	0.016
FBgn0031682	484.329	343.932	624.727	1.816	0.861	0.005	0.039
FBgn0025678	1318.571	936.271	1700.871	1.817	0.861	0.002	0.016
FBgn0035404	5922.359	4204.440	7640.277	1.817	0.862	0.000	0.003
FBgn0033520	229.832	163.098	296.566	1.818	0.863	0.001	0.009
FBgn0010877	2051.395	1455.587	2647.202	1.819	0.863	0.001	0.011
FBgn0026879	4049.182	2872.719	5225.645	1.819	0.863	0.003	0.024
FBgn0030638	919.948	652.430	1187.466	1.820	0.864	0.004	0.029
FBgn0002622	49563.673	35134.075	63993.271	1.821	0.865	0.000	0.005
FBgn0003978	349.441	247.701	451.182	1.821	0.865	0.002	0.019
FBgn0010387	3950.188	2799.235	5101.141	1.822	0.866	0.005	0.035
FBgn0052085	1886.966	1337.078	2436.853	1.823	0.866	0.001	0.014
FBgn0040382	15916.491	11277.071	20555.910	1.823	0.866	0.000	0.004
FBgn0037374	1424.739	1008.519	1840.959	1.825	0.868	0.000	0.003
FBgn0015221	15571.646	11020.487	20122.804	1.826	0.869	0.005	0.035
FBgn0034753	9388.376	6644.282	12132.470	1.826	0.869	0.001	0.010

FBgn0029594	1226.112	867.477	1584.747	1.827	0.869	0.002	0.015
FBgn0040900	142.016	100.456	183.575	1.827	0.870	0.006	0.044
FBgn0261592	37508.772	26514.679	48502.865	1.829	0.871	0.001	0.011
FBgn0037024	1208.497	853.894	1563.100	1.831	0.872	0.000	0.005
FBgn0003068	1001.513	707.446	1295.580	1.831	0.873	0.002	0.015
FBgn0030532	1167.564	824.538	1510.590	1.832	0.873	0.001	0.014
FBgn0003651	2482.050	1751.990	3212.110	1.833	0.875	0.001	0.009
FBgn0022774	1855.659	1309.253	2402.064	1.835	0.876	0.001	0.012
FBgn0033101	1256.780	886.457	1627.102	1.836	0.876	0.001	0.008
FBgn0031805	1280.903	903.161	1658.644	1.836	0.877	0.001	0.012
FBgn0250837	202.974	143.103	262.845	1.837	0.877	0.005	0.034
FBgn0038815	971.547	684.740	1258.354	1.838	0.878	0.001	0.008
FBgn0087002	6537.083	4605.445	8468.721	1.839	0.879	0.002	0.017
FBgn0015737	6008.437	4231.073	7785.802	1.840	0.880	0.004	0.029
FBgn0026428	9434.629	6643.720	12225.538	1.840	0.880	0.000	0.005
FBgn0000097	2464.013	1732.022	3196.003	1.845	0.884	0.005	0.039
FBgn0030026	529.353	372.077	686.629	1.845	0.884	0.001	0.012
FBgn0036997	555.616	390.504	720.728	1.846	0.884	0.001	0.011
FBgn0031395	1137.118	799.026	1475.211	1.846	0.885	0.000	0.004
FBgn0039710	702.637	493.539	911.735	1.847	0.885	0.000	0.004
FBgn0039238	1247.765	876.166	1619.364	1.848	0.886	0.000	0.003
FBgn0033925	645.132	452.959	837.306	1.849	0.886	0.000	0.006
FBgn0029529	1102.054	773.583	1430.524	1.849	0.887	0.004	0.031
FBgn0014388	2947.371	2068.865	3825.876	1.849	0.887	0.000	0.004
FBgn0036342	353.399	248.003	458.795	1.850	0.887	0.000	0.005
FBgn0039525	741.079	519.733	962.424	1.852	0.889	0.000	0.002
FBgn0025682	4312.991	3023.325	5602.657	1.853	0.890	0.002	0.017
FBgn0041607	2401.507	1683.283	3119.731	1.853	0.890	0.001	0.009
FBgn0010333	2558.141	1792.929	3323.353	1.854	0.890	0.002	0.020
FBgn0029905	948.427	664.189	1232.664	1.856	0.892	0.007	0.049
FBgn0026753	7142.050	5001.033	9283.067	1.856	0.892	0.000	0.002
FBgn0015527	752.929	527.072	978.787	1.857	0.893	0.001	0.009
FBgn0000568	7548.920	5284.332	9813.509	1.857	0.893	0.001	0.012
FBgn0026721	4588.413	3211.425	5965.401	1.858	0.893	0.000	0.006

FBgn0031059	298.959	209.052	388.867	1.860	0.895	0.002	0.017
FBgn0039802	1241.163	867.114	1615.211	1.863	0.897	0.000	0.002
FBgn0033926	5252.047	3669.056	6835.038	1.863	0.898	0.000	0.003
FBgn0053558	7538.281	5259.722	9816.841	1.866	0.900	0.001	0.006
FBgn0034919	811.772	566.393	1057.151	1.866	0.900	0.001	0.011
FBgn0013303	111.399	77.654	145.144	1.869	0.902	0.005	0.038
FBgn0030773	12573.709	8763.495	16383.923	1.870	0.903	0.000	0.001
FBgn0000617	263.187	183.368	343.006	1.871	0.903	0.002	0.021
FBgn0029939	835.338	581.954	1088.721	1.871	0.904	0.002	0.015
FBgn0014857	3145.891	2191.564	4100.217	1.871	0.904	0.000	0.002
FBgn0011272	29723.705	20699.884	38747.525	1.872	0.904	0.007	0.049
FBgn0023215	4501.925	3133.961	5869.888	1.873	0.905	0.002	0.017
FBgn0030479	10284.467	7151.146	13417.788	1.876	0.908	0.007	0.044
FBgn0031061	1001.201	696.112	1306.289	1.877	0.908	0.001	0.008
FBgn0032781	537.067	373.371	700.763	1.877	0.908	0.002	0.015
FBgn0051548	1629.074	1132.319	2125.829	1.877	0.909	0.000	0.003
FBgn0010774	1928.628	1340.014	2517.242	1.879	0.910	0.000	0.004
FBgn0038834	36890.560	25628.929	48152.191	1.879	0.910	0.000	0.001
FBgn0039698	820.197	569.549	1070.844	1.880	0.911	0.001	0.013
FBgn0033351	521.048	361.684	680.412	1.881	0.912	0.004	0.032
FBgn0261394	1804.778	1251.945	2357.610	1.883	0.913	0.000	0.004
FBgn0023212	3423.695	2374.925	4472.466	1.883	0.913	0.000	0.003
FBgn0037354	1109.605	768.734	1450.475	1.887	0.916	0.000	0.002
FBgn0014859	697.977	483.453	912.500	1.887	0.916	0.001	0.011
FBgn0010531	380.768	263.686	497.850	1.888	0.917	0.001	0.013
FBgn0038829	2166.801	1499.891	2833.712	1.889	0.918	0.007	0.045
FBgn0260944	2566.544	1775.734	3357.354	1.891	0.919	0.002	0.018
FBgn0030935	74.954	51.853	98.055	1.891	0.919	0.007	0.046
FBgn0031099	1654.960	1144.851	2165.068	1.891	0.919	0.000	0.002
FBgn0259144	329.649	227.758	431.539	1.895	0.922	0.000	0.002
FBgn0030802	1220.329	842.634	1598.023	1.896	0.923	0.001	0.014
FBgn0004867	26189.128	18080.776	34297.481	1.897	0.924	0.001	0.009
FBgn0035267	1680.334	1159.324	2201.345	1.899	0.925	0.000	0.006
FBgn0034970	1013.475	698.435	1328.516	1.902	0.928	0.000	0.004

FBgn0040532	17020.002	11720.734	22319.269	1.904	0.929	0.000	0.003
FBgn0024814	3395.424	2338.146	4452.702	1.904	0.929	0.000	0.002
FBgn0019624	19871.978	13679.928	26064.028	1.905	0.930	0.000	0.006
FBgn0035147	2597.888	1787.726	3408.050	1.906	0.931	0.001	0.007
FBgn0035035	254.299	174.984	333.614	1.907	0.931	0.002	0.020
FBgn0001149	16973.596	11679.388	22267.805	1.907	0.931	0.000	0.005
FBgn0037110	982.417	675.571	1289.264	1.908	0.932	0.003	0.026
FBgn0039654	397.476	273.311	521.641	1.909	0.933	0.001	0.014
FBgn0025382	667.727	458.970	876.484	1.910	0.933	0.001	0.008
FBgn0000308	7662.382	5262.207	10062.556	1.912	0.935	0.006	0.040
FBgn0011837	2249.492	1544.509	2954.475	1.913	0.936	0.001	0.007
FBgn0000150	14425.443	9903.791	18947.095	1.913	0.936	0.000	0.006
FBgn0030012	208.290	142.984	273.596	1.913	0.936	0.004	0.032
FBgn0028906	506.442	347.379	665.505	1.916	0.938	0.008	0.050
FBgn0036732	1344.577	921.645	1767.509	1.918	0.939	0.000	0.004
FBgn0016120	15499.866	10624.054	20375.678	1.918	0.940	0.000	0.001
FBgn0029897	23755.632	16269.318	31241.946	1.920	0.941	0.002	0.015
FBgn0031020	2107.453	1442.775	2772.131	1.921	0.942	0.000	0.006
FBgn0031489	866.209	592.913	1139.504	1.922	0.943	0.002	0.022
FBgn0011758	249.639	170.826	328.451	1.923	0.943	0.008	0.049
FBgn0036157	579.644	396.641	762.647	1.923	0.943	0.006	0.043
FBgn0039406	4826.463	3301.687	6351.240	1.924	0.944	0.001	0.007
FBgn0041629	3714.388	2540.466	4888.310	1.924	0.944	0.000	0.002
FBgn0038769	259.620	177.481	341.759	1.926	0.945	0.000	0.005
FBgn0035734	1426.914	975.424	1878.404	1.926	0.945	0.000	0.004
FBgn0030305	686.106	468.849	903.363	1.927	0.946	0.000	0.006
FBgn0038868	938.804	641.217	1236.390	1.928	0.947	0.000	0.006
FBgn0013764	1640.165	1120.171	2160.159	1.928	0.947	0.000	0.004
FBgn0029755	557.172	380.453	733.891	1.929	0.948	0.000	0.004
FBgn0029854	1473.061	1005.799	1940.323	1.929	0.948	0.000	0.004
FBgn0010409	27498.929	18774.578	36223.281	1.929	0.948	0.007	0.047
FBgn0036314	606.937	413.952	799.923	1.932	0.950	0.000	0.004
FBgn0026401	369.479	251.895	487.063	1.934	0.951	0.001	0.007
FBgn0063670	150.683	102.726	198.641	1.934	0.951	0.003	0.022

FBgn0050410	1764.102	1202.449	2325.754	1.934	0.952	0.000	0.002
FBgn0032884	2914.629	1986.147	3843.110	1.935	0.952	0.004	0.030
FBgn0020279	10641.299	7243.462	14039.135	1.938	0.955	0.000	0.003
FBgn0052549	8837.348	6011.750	11662.946	1.940	0.956	0.000	0.003
FBgn0004132	971.606	660.881	1282.332	1.940	0.956	0.000	0.002
FBgn0039305	743.133	505.310	980.955	1.941	0.957	0.000	0.001
FBgn0058470	57.611	39.162	76.060	1.942	0.958	0.006	0.044
FBgn0003330	514.754	349.900	679.608	1.942	0.958	0.000	0.006
FBgn0021765	5840.431	3969.394	7711.468	1.943	0.958	0.002	0.020
FBgn0030400	4469.066	3036.789	5901.343	1.943	0.958	0.002	0.017
FBgn0034330	112.111	76.047	148.175	1.948	0.962	0.000	0.006
FBgn0261602	29769.531	20189.625	39349.437	1.949	0.963	0.001	0.007
FBgn0038043	1167.657	791.632	1543.682	1.950	0.963	0.000	0.002
FBgn0000053	3005.545	2034.224	3976.866	1.955	0.967	0.001	0.009
FBgn0261597	33581.109	22710.698	44451.521	1.957	0.969	0.006	0.040
FBgn0028480	14560.382	9843.457	19277.307	1.958	0.970	0.000	0.001
FBgn0038806	598.671	404.174	793.168	1.962	0.973	0.000	0.005
FBgn0036373	980.377	661.859	1298.896	1.962	0.973	0.001	0.007
FBgn0002941	197.991	133.662	262.321	1.963	0.973	0.002	0.020
FBgn0029799	1384.186	934.265	1834.106	1.963	0.973	0.000	0.003
FBgn0263997	1438.088	969.702	1906.474	1.966	0.975	0.000	0.005
FBgn0013954	9864.053	6648.453	13079.652	1.967	0.976	0.001	0.006
FBgn0010038	163.684	110.320	217.048	1.967	0.976	0.003	0.023
FBgn0039635	7767.896	5229.913	10305.879	1.971	0.979	0.000	0.001
FBgn0030177	612.249	412.151	812.347	1.971	0.979	0.000	0.006
FBgn0000157	520.085	350.083	690.087	1.971	0.979	0.000	0.002
FBgn0262601	183.808	123.726	243.890	1.971	0.979	0.000	0.004
FBgn0052267	1197.083	805.388	1588.777	1.973	0.980	0.002	0.016
FBgn0036341	1526.973	1027.334	2026.611	1.973	0.980	0.000	0.002
FBgn0037312	1107.075	744.412	1469.737	1.974	0.981	0.000	0.004
FBgn0033987	3185.318	2139.822	4230.814	1.977	0.983	0.000	0.002
FBgn0000153	2525.433	1696.436	3354.430	1.977	0.984	0.000	0.005
FBgn0085369	593.390	398.583	788.197	1.977	0.984	0.004	0.033
FBgn0030218	861.526	578.629	1144.424	1.978	0.984	0.000	0.004

FBgn0031022	208.243	139.833	276.653	1.978	0.984	0.000	0.004
FBgn0051997	161.441	108.347	214.535	1.980	0.986	0.001	0.011
FBgn0030839	341.222	228.879	453.564	1.982	0.987	0.007	0.047
FBgn0041184	1184.340	794.239	1574.442	1.982	0.987	0.000	0.006
FBgn0031053	245.017	164.126	325.908	1.986	0.990	0.001	0.014
FBgn0004396	761.235	509.463	1013.006	1.988	0.992	0.007	0.046
FBgn0039332	2820.964	1887.872	3754.055	1.989	0.992	0.001	0.010
FBgn0029969	2497.228	1671.108	3323.348	1.989	0.992	0.001	0.008
FBgn0264490	11240.436	7514.742	14966.130	1.992	0.994	0.004	0.032
FBgn0027087	1720.730	1149.759	2291.700	1.993	0.995	0.000	0.003
FBgn0004854	240.720	160.677	320.764	1.996	0.997	0.001	0.009
FBgn0039970	304.126	202.734	405.519	2.000	1.000	0.000	0.002
FBgn0085257	150.467	100.212	200.722	2.003	1.002	0.001	0.011
FBgn0030877	238.436	158.700	318.172	2.005	1.004	0.001	0.008
FBgn0035993	738.604	491.532	985.677	2.005	1.004	0.000	0.001
FBgn0000179	1482.363	985.672	1979.054	2.008	1.006	0.000	0.001
FBgn0046214	1996.929	1327.235	2666.623	2.009	1.007	0.000	0.001
FBgn0023214	364.451	242.172	486.729	2.010	1.007	0.000	0.004
FBgn0031315	514.480	341.781	687.179	2.011	1.008	0.000	0.002
FBgn0026238	115.761	76.888	154.634	2.011	1.008	0.005	0.036
FBgn0036825	29432.146	19521.798	39342.494	2.015	1.011	0.001	0.011
FBgn0052521	19809.884	13139.162	26480.606	2.015	1.011	0.000	0.001
FBgn0030993	839.342	556.687	1121.996	2.015	1.011	0.000	0.004
FBgn0262734	7886.638	5229.717	10543.559	2.016	1.012	0.000	0.003
FBgn0032871	192.755	127.523	257.987	2.023	1.017	0.000	0.004
FBgn0002174	1103.515	729.892	1477.137	2.024	1.017	0.000	0.001
FBgn0029857	755.453	499.486	1011.419	2.025	1.018	0.000	0.001
FBgn0037166	499.984	330.573	669.395	2.025	1.018	0.001	0.013
FBgn0086472	72004.464	47602.103	96406.825	2.025	1.018	0.000	0.001
FBgn0035348	5908.982	3904.234	7913.729	2.027	1.019	0.000	0.002
FBgn0004606	1469.678	970.583	1968.773	2.028	1.020	0.000	0.002
FBgn0030828	2338.755	1542.461	3135.049	2.032	1.023	0.000	0.001
FBgn0002031	1781.353	1174.102	2388.605	2.034	1.025	0.000	0.001
FBgn0261285	4699.503	3093.245	6305.761	2.039	1.028	0.000	0.001



FBgn0028542	592.072	389.419	794.724	2.041	1.029	0.000	0.003
FBgn0034242	1589.411	1044.813	2134.009	2.042	1.030	0.000	0.000
FBgn0000181	17251.579	11338.200	23164.958	2.043	1.031	0.000	0.000
FBgn0250814	16226.571	10657.910	21795.232	2.045	1.032	0.000	0.003
FBgn0036039	1622.499	1065.495	2179.504	2.046	1.032	0.000	0.001
FBgn0023519	625.029	410.214	839.843	2.047	1.034	0.000	0.001
FBgn0037351	46736.680	30668.455	62804.906	2.048	1.034	0.001	0.008
FBgn0030669	1609.305	1055.781	2162.829	2.049	1.035	0.000	0.000
FBgn0034915	705.092	462.438	947.747	2.049	1.035	0.000	0.001
FBgn0013263	327.271	214.482	440.060	2.052	1.037	0.006	0.041
FBgn0053993	934.534	611.512	1257.557	2.056	1.040	0.000	0.004
FBgn0034885	9786.135	6398.410	13173.860	2.059	1.042	0.000	0.006
FBgn0021906	13529.054	8844.172	18213.936	2.059	1.042	0.000	0.004
FBgn0030963	105.447	68.900	141.994	2.061	1.043	0.005	0.039
FBgn0034743	19426.458	12692.266	26160.649	2.061	1.043	0.000	0.000
FBgn0002525	1403.310	914.802	1891.817	2.068	1.048	0.000	0.001
FBgn0003714	849.656	553.813	1145.499	2.068	1.049	0.000	0.001
FBgn0033907	809.123	527.328	1090.919	2.069	1.049	0.002	0.015
FBgn0052230	579.559	377.440	781.678	2.071	1.050	0.005	0.038
FBgn0020618	58287.473	37923.347	78651.598	2.074	1.052	0.002	0.016
FBgn0035553	2216.496	1442.022	2990.971	2.074	1.053	0.000	0.001
FBgn0004654	4773.003	3103.405	6442.602	2.076	1.054	0.006	0.044
FBgn0032538	4107.823	2670.343	5545.304	2.077	1.054	0.003	0.026
FBgn0263512	401.061	260.464	541.659	2.080	1.056	0.001	0.007
FBgn0001297	5252.815	3411.243	7094.386	2.080	1.056	0.000	0.001
FBgn0263390	2398.466	1556.862	3240.071	2.081	1.057	0.007	0.046
FBgn0034069	733.194	475.871	990.517	2.081	1.058	0.000	0.002
FBgn0034501	14265.456	9257.722	19273.191	2.082	1.058	0.000	0.003
FBgn0002590	25995.151	16869.364	35120.937	2.082	1.058	0.000	0.005
FBgn0003137	14319.746	9287.196	19352.297	2.084	1.059	0.000	0.002
FBgn0021967	10173.925	6596.445	13751.404	2.085	1.060	0.000	0.000
FBgn0051390	882.941	572.442	1193.440	2.085	1.060	0.000	0.001
FBgn0086357	5823.117	3774.969	7871.265	2.085	1.060	0.000	0.001
FBgn0034758	175.775	113.940	237.609	2.085	1.060	0.000	0.001

FBgn0039212	692.164	448.461	935.867	2.087	1.061	0.000	0.001
FBgn0031376	2977.804	1927.580	4028.028	2.090	1.063	0.000	0.003
FBgn0040653	59868.478	38733.756	81003.199	2.091	1.064	0.007	0.046
FBgn0000529	198.534	128.418	268.650	2.092	1.065	0.000	0.005
FBgn0031060	294.234	190.298	398.171	2.092	1.065	0.003	0.022
FBgn0029131	1244.899	805.081	1684.717	2.093	1.065	0.000	0.001
FBgn0029929	524.518	338.875	710.161	2.096	1.067	0.000	0.001
FBgn0053481	140.180	90.549	189.812	2.096	1.068	0.001	0.011
FBgn0086446	989.305	638.646	1339.965	2.098	1.069	0.000	0.002
FBgn0015019	1516.110	978.724	2053.496	2.098	1.069	0.000	0.001
FBgn0261534	1407.770	908.312	1907.227	2.100	1.070	0.004	0.029
FBgn0263970	54.823	35.365	74.282	2.100	1.071	0.004	0.031
FBgn0261881	483.195	311.196	655.195	2.105	1.074	0.000	0.000
FBgn0013305	5726.233	3683.369	7769.096	2.109	1.077	0.001	0.010
FBgn0040660	4280.678	2751.198	5810.159	2.112	1.079	0.000	0.000
FBgn0261792	636.822	408.873	864.771	2.115	1.081	0.000	0.000
FBgn0052484	1572.817	1009.350	2136.285	2.116	1.082	0.001	0.007
FBgn0030196	418.628	268.465	568.791	2.119	1.083	0.001	0.012
FBgn0035534	702.293	450.096	954.490	2.121	1.084	0.000	0.000
FBgn0003002	206.351	131.290	281.413	2.143	1.100	0.002	0.015
FBgn0031800	1282.661	814.924	1750.399	2.148	1.103	0.000	0.000
FBgn0263239	257.533	163.619	351.447	2.148	1.103	0.000	0.002
FBgn0038808	1055.950	670.223	1441.676	2.151	1.105	0.001	0.008
FBgn0013469	185.884	117.870	253.898	2.154	1.107	0.000	0.002
FBgn0032803	1064.909	674.341	1455.476	2.158	1.110	0.000	0.002
FBgn0028926	472.103	298.849	645.358	2.159	1.111	0.000	0.000
FBgn0086680	2726.534	1720.481	3732.587	2.170	1.117	0.000	0.002
FBgn0040337	459.677	289.435	629.920	2.176	1.122	0.000	0.002
FBgn0013680	190.511	119.934	261.087	2.177	1.122	0.000	0.000
FBgn0005670	56.250	35.372	77.129	2.181	1.125	0.002	0.019
FBgn0011787	1608.713	1010.918	2206.508	2.183	1.126	0.001	0.007
FBgn0034010	1068.746	671.409	1466.082	2.184	1.127	0.000	0.001
FBgn0033162	1394.735	874.759	1914.712	2.189	1.130	0.000	0.000
FBgn0262124	105.671	66.143	145.199	2.195	1.134	0.002	0.017

FBgn0039665	404.089	252.558	555.620	2.200	1.137	0.000	0.006
FBgn0033480	1142.506	713.878	1571.134	2.201	1.138	0.000	0.005
FBgn0030915	464.371	290.071	638.670	2.202	1.139	0.000	0.001
FBgn0263083	54.268	33.895	74.640	2.202	1.139	0.001	0.011
FBgn0003462	12531.430	7808.292	17254.569	2.210	1.144	0.000	0.002
FBgn0030272	16099.793	10003.525	22196.061	2.219	1.150	0.000	0.002
FBgn0026878	171.769	106.707	236.832	2.219	1.150	0.000	0.003
FBgn0026268	5752.192	3572.460	7931.924	2.220	1.151	0.001	0.013
FBgn0036919	1513.308	938.831	2087.784	2.224	1.153	0.000	0.000
FBgn0030310	557.664	345.895	769.432	2.224	1.153	0.000	0.001
FBgn0260747	11866.031	7358.389	16373.672	2.225	1.154	0.000	0.002
FBgn0036576	777.386	481.334	1073.438	2.230	1.157	0.001	0.010
FBgn0002985	57.603	35.627	79.580	2.234	1.159	0.005	0.036
FBgn0044030	535.829	331.313	740.345	2.235	1.160	0.001	0.009
FBgn0010078	53904.433	33303.796	74505.069	2.237	1.162	0.000	0.003
FBgn0040239	2323.085	1434.429	3211.741	2.239	1.163	0.007	0.045
FBgn0000413	2476.983	1529.073	3424.893	2.240	1.163	0.002	0.021
FBgn0028993	99.733	61.424	138.042	2.247	1.168	0.001	0.007
FBgn0030239	1652.406	1016.630	2288.182	2.251	1.170	0.001	0.009
FBgn0033949	438.516	269.358	607.675	2.256	1.174	0.000	0.001
FBgn0016075	10663.732	6550.079	14777.384	2.256	1.174	0.000	0.000
FBgn0003507	3727.919	2288.795	5167.044	2.258	1.175	0.000	0.000
FBgn0034650	475.686	291.874	659.497	2.260	1.176	0.001	0.013
FBgn0037164	476.962	292.642	661.282	2.260	1.176	0.000	0.006
FBgn0264005	321.039	196.300	445.778	2.271	1.183	0.000	0.001
FBgn0032285	70805.293	43183.524	98427.061	2.279	1.189	0.002	0.017
FBgn0030995	100.171	61.046	139.296	2.282	1.190	0.000	0.006
FBgn0031312	382.663	233.046	532.281	2.284	1.192	0.000	0.000
FBgn0029823	5259.924	3202.511	7317.337	2.285	1.192	0.000	0.001
FBgn0032299	151.994	92.454	211.534	2.288	1.194	0.000	0.006
FBgn0037328	17035.924	10361.481	23710.368	2.288	1.194	0.002	0.018
FBgn0033341	1088.687	662.065	1515.308	2.289	1.195	0.000	0.000
FBgn0033122	690.291	418.958	961.625	2.295	1.199	0.000	0.005
FBgn0032812	644.911	391.319	898.502	2.296	1.199	0.000	0.000

FBgn0052667	6851.280	4156.545	9546.015	2.297	1.200	0.001	0.007
FBgn0025629	481.699	291.718	671.681	2.302	1.203	0.000	0.000
FBgn0031418	2685.433	1622.634	3748.231	2.310	1.208	0.000	0.000
FBgn0023549	1081.547	653.097	1509.998	2.312	1.209	0.000	0.000
FBgn0034139	155.438	93.816	217.060	2.314	1.210	0.000	0.005
FBgn0032350	7899.993	4767.857	11032.128	2.314	1.210	0.000	0.006
FBgn0039759	67.581	40.775	94.387	2.315	1.211	0.003	0.028
FBgn0025558	1134.173	684.141	1584.205	2.316	1.211	0.000	0.000
FBgn0250874	1571.302	946.972	2195.632	2.319	1.213	0.000	0.000
FBgn0011746	704.903	424.672	985.133	2.320	1.214	0.000	0.000
FBgn0038533	1329.117	800.274	1857.961	2.322	1.215	0.000	0.002
FBgn0030326	81.731	49.192	114.270	2.323	1.216	0.002	0.016
FBgn0034761	6977.372	4199.318	9755.426	2.323	1.216	0.000	0.000
FBgn0085320	1827.673	1099.047	2556.299	2.326	1.218	0.001	0.011
FBgn0030645	607.100	363.861	850.340	2.337	1.225	0.000	0.000
FBgn0016660	39.687	23.776	55.597	2.338	1.225	0.006	0.042
FBgn0037222	78.694	47.144	110.244	2.338	1.226	0.004	0.034
FBgn0023130	717.617	429.897	1005.336	2.339	1.226	0.002	0.017
FBgn0031097	815.719	488.001	1143.437	2.343	1.228	0.000	0.000
FBgn0030362	5939.406	3551.523	8327.289	2.345	1.229	0.001	0.007
FBgn0039407	102.302	61.172	143.433	2.345	1.229	0.000	0.004
FBgn0052695	659.381	394.192	924.570	2.345	1.230	0.001	0.011
FBgn0020653	7030.004	4193.176	9866.832	2.353	1.235	0.000	0.001
FBgn0039118	643.917	383.729	904.104	2.356	1.236	0.000	0.000
FBgn0014455	1496.234	891.578	2100.889	2.356	1.237	0.000	0.000
FBgn0040398	17493.265	10397.556	24588.973	2.365	1.242	0.001	0.009
FBgn0039820	55.733	33.048	78.419	2.373	1.247	0.003	0.023
FBgn0033000	123.630	73.101	174.158	2.382	1.252	0.000	0.001
FBgn0030251	10681.230	6303.945	15058.515	2.389	1.256	0.000	0.001
FBgn0013689	14.285	8.428	20.142	2.390	1.257	0.000	0.003
FBgn0030737	784.985	461.138	1108.833	2.405	1.266	0.000	0.000
FBgn0003062	1457.987	855.264	2060.710	2.409	1.269	0.000	0.000
FBgn0031817	1251.707	733.883	1769.530	2.411	1.270	0.000	0.000
FBgn0033340	1664.584	972.209	2356.959	2.424	1.278	0.000	0.000

FBgn0030927	304.756	177.801	431.711	2.428	1.280	0.002	0.016
FBgn0263402	47.488	27.696	67.280	2.429	1.281	0.001	0.011
FBgn0039733	1275.666	742.461	1808.871	2.436	1.285	0.001	0.009
FBgn0039827	525.073	305.455	744.691	2.438	1.286	0.000	0.000
FBgn0046706	55.535	32.292	78.777	2.440	1.287	0.001	0.010
FBgn0010385	342.626	199.204	486.048	2.440	1.287	0.000	0.000
FBgn0085256	3144.317	1824.161	4464.473	2.447	1.291	0.002	0.016
FBgn0039678	6713.005	3890.727	9535.283	2.451	1.293	0.000	0.005
FBgn0031068	593.352	342.797	843.908	2.462	1.300	0.000	0.000
FBgn0039159	572.059	330.425	813.693	2.463	1.300	0.000	0.000
FBgn0020385	8837.277	5082.636	12591.917	2.477	1.309	0.000	0.000
FBgn0026562	17232.261	9905.366	24559.156	2.479	1.310	0.000	0.000
FBgn0039664	205.288	117.962	292.614	2.481	1.311	0.000	0.000
FBgn0000358	125.863	72.295	179.431	2.482	1.311	0.003	0.026
FBgn0001995	921.520	527.140	1315.900	2.496	1.320	0.003	0.023
FBgn0024841	3904.243	2222.866	5585.620	2.513	1.329	0.000	0.000
FBgn0262538	61.768	35.157	88.379	2.514	1.330	0.000	0.004
FBgn0010638	1890.344	1072.999	2707.690	2.523	1.335	0.000	0.000
FBgn0044810	140.044	79.371	200.716	2.529	1.338	0.007	0.048
FBgn0044048	749.620	424.464	1074.775	2.532	1.340	0.000	0.003
FBgn0005391	331064.518	186817.403	475311.633	2.544	1.347	0.000	0.004
FBgn0051465	91.411	51.349	131.472	2.560	1.356	0.000	0.001
FBgn0031148	1841.387	1034.366	2648.408	2.560	1.356	0.003	0.023
FBgn0051313	6062.653	3402.279	8723.026	2.564	1.358	0.000	0.001
FBgn0033879	9454.320	5302.928	13605.712	2.566	1.359	0.000	0.001
FBgn0050269	330.640	185.153	476.127	2.572	1.363	0.000	0.000
FBgn0035806	323.097	180.612	465.581	2.578	1.366	0.000	0.003
FBgn0030160	22204.929	12393.211	32016.646	2.583	1.369	0.000	0.000
FBgn0030292	7013.277	3912.644	10113.911	2.585	1.370	0.001	0.011
FBgn0033566	601.230	334.904	867.556	2.590	1.373	0.000	0.000
FBgn0053198	89.917	50.029	129.805	2.595	1.376	0.000	0.001
FBgn0000299	16876.376	9385.104	24367.649	2.596	1.377	0.000	0.000
FBgn0013949	5594.523	3110.247	8078.799	2.597	1.377	0.000	0.000
FBgn0032293	945.491	524.017	1366.966	2.609	1.383	0.000	0.002

FBgn0040007	528.482	292.033	764.931	2.619	1.389	0.000	0.000
FBgn0025640	1775.467	981.067	2569.866	2.619	1.389	0.000	0.001
FBgn0003117	190.354	105.112	275.596	2.622	1.391	0.000	0.000
FBgn0033777	1120.640	618.575	1622.705	2.623	1.391	0.000	0.000
FBgn0033140	48.387	26.685	70.089	2.627	1.393	0.001	0.009
FBgn0052174	23.282	12.813	33.751	2.634	1.397	0.006	0.043
FBgn0037715	4484.084	2467.368	6500.799	2.635	1.398	0.000	0.001
FBgn0031049	2252.540	1235.988	3269.091	2.645	1.403	0.001	0.011
FBgn0000078	527.964	288.988	766.939	2.654	1.408	0.000	0.000
FBgn0041709	134.235	72.860	195.609	2.685	1.425	0.000	0.001
FBgn0261068	543.342	293.789	792.896	2.699	1.432	0.000	0.000
FBgn0030786	2925.160	1581.622	4268.698	2.699	1.432	0.000	0.002
FBgn0032191	3812.797	2061.557	5564.036	2.699	1.432	0.000	0.000
FBgn0004959	50.249	27.155	73.343	2.701	1.433	0.003	0.025
FBgn0030482	2815.779	1521.109	4110.450	2.702	1.434	0.000	0.000
FBgn0030120	41.948	22.643	61.253	2.705	1.436	0.004	0.030
FBgn0035181	2356.567	1271.810	3441.325	2.706	1.436	0.000	0.001
FBgn0030060	1844.086	994.783	2693.389	2.708	1.437	0.000	0.000
FBgn0027334	879.372	473.775	1284.968	2.712	1.439	0.000	0.000
FBgn0023535	114.827	61.676	167.977	2.724	1.445	0.000	0.000
FBgn0030270	212.574	113.417	311.731	2.749	1.459	0.000	0.000
FBgn0085249	450.549	239.261	661.837	2.766	1.468	0.000	0.002
FBgn0050181	34.138	18.125	50.151	2.767	1.468	0.002	0.016
FBgn0031702	3555.672	1881.094	5230.250	2.780	1.475	0.000	0.000
FBgn0040793	46931.477	24793.529	69069.424	2.786	1.478	0.001	0.013
FBgn0085485	205.374	108.211	302.537	2.796	1.483	0.001	0.013
FBgn0045823	27292.919	14339.287	40246.551	2.807	1.489	0.004	0.029
FBgn0053926	5218.113	2730.787	7705.439	2.822	1.497	0.000	0.000
FBgn0037906	571.633	296.457	846.810	2.856	1.514	0.000	0.000
FBgn0030955	606.736	313.399	900.073	2.872	1.522	0.000	0.005
FBgn0054003	664.513	342.689	986.338	2.878	1.525	0.000	0.000
FBgn0051715	41.659	21.374	61.945	2.898	1.535	0.001	0.008
FBgn0034879	495.718	251.940	739.497	2.935	1.553	0.000	0.000
FBgn0011824	1238.141	622.607	1853.676	2.977	1.574	0.000	0.001

FBgn0085483	35.459	17.829	53.090	2.978	1.574	0.000	0.004
FBgn0052817	33.446	16.740	50.151	2.996	1.583	0.007	0.045
FBgn0003060	222.954	111.331	334.577	3.005	1.587	0.001	0.010
FBgn0031313	4996.562	2490.536	7502.588	3.012	1.591	0.000	0.000
FBgn0003888	657.814	318.843	996.784	3.126	1.644	0.000	0.002
FBgn0262838	30.450	14.249	46.650	3.274	1.711	0.001	0.012
FBgn0033367	4868.901	2229.163	7508.640	3.368	1.752	0.000	0.001
FBgn0037167	1266.345	575.819	1956.872	3.398	1.765	0.000	0.002
FBgn0052368	255.912	115.704	396.121	3.424	1.776	0.000	0.000
FBgn0034328	1265.543	570.986	1960.101	3.433	1.779	0.000	0.004
FBgn0037999	718.573	324.011	1113.135	3.435	1.781	0.000	0.000
FBgn0013672	44.844	20.142	69.546	3.453	1.788	0.000	0.000
FBgn0010222	5793.918	2600.023	8987.813	3.457	1.789	0.000	0.000
FBgn0035189	1141.771	511.568	1771.974	3.464	1.792	0.000	0.000
FBgn0085411	47.820	21.211	74.430	3.509	1.811	0.001	0.007
FBgn0040735	139.516	61.454	217.578	3.540	1.824	0.000	0.000
FBgn0036607	92.124	40.557	143.692	3.543	1.825	0.003	0.022
FBgn0040733	547.063	240.384	853.743	3.552	1.828	0.000	0.000
FBgn0039027	113.609	49.336	177.882	3.606	1.850	0.000	0.000
FBgn0033307	228.950	99.402	358.499	3.607	1.851	0.000	0.001
FBgn0262886	16.547	7.165	25.928	3.618	1.855	0.002	0.022
FBgn0034201	23.719	10.241	37.197	3.632	1.861	0.001	0.010
FBgn0031261	1854.494	797.425	2911.564	3.651	1.868	0.000	0.000
FBgn0014033	978.169	420.546	1535.791	3.652	1.869	0.000	0.000
FBgn0039031	8320.553	3576.538	13064.568	3.653	1.869	0.001	0.007
FBgn0031040	1028.475	441.762	1615.188	3.656	1.870	0.000	0.000
FBgn0030653	65.780	27.947	103.612	3.707	1.890	0.000	0.002
FBgn0032281	270.547	114.562	426.531	3.723	1.897	0.000	0.000
FBgn0259936	12.257	5.100	19.413	3.806	1.928	0.001	0.012
FBgn0085195	2801.648	1153.027	4450.268	3.860	1.948	0.000	0.000
FBgn0010381	2892.685	1190.347	4595.022	3.860	1.949	0.000	0.001
FBgn0002531	64.675	26.348	103.001	3.909	1.967	0.000	0.000
FBgn0040349	862.912	350.294	1375.530	3.927	1.973	0.000	0.002
FBgn0051922	15.777	6.281	25.273	4.024	2.009	0.004	0.031

FBgn0053217	15.507	6.155	24.859	4.039	2.014	0.003	0.027
FBgn0261989	54.270	20.408	88.132	4.319	2.111	0.000	0.000
FBgn0040907	224.007	82.563	365.451	4.426	2.146	0.000	0.000
FBgn0040734	83.911	30.738	137.085	4.460	2.157	0.000	0.000
FBgn0262142	11.129	4.005	18.253	4.558	2.188	0.003	0.026
FBgn0038530	492.230	168.587	815.872	4.839	2.275	0.000	0.000
FBgn0053192	219.030	73.363	364.697	4.971	2.314	0.000	0.000
FBgn0262146	147.653	47.464	247.842	5.222	2.385	0.000	0.000
FBgn0062961	30.848	9.823	51.874	5.281	2.401	0.000	0.000
FBgn0261628	14.634	4.427	24.841	5.612	2.488	0.003	0.023
FBgn0004431	1587.883	463.799	2711.967	5.847	2.548	0.000	0.001
FBgn0031674	8.117	16.233	0.000	0.000	#DIV/0!	0.000	0.001
FBgn0034372	4.280	8.561	0.000	0.000	#DIV/0!	0.007	0.045
FBgn0038054	5.987	11.973	0.000	0.000	#DIV/0!	0.001	0.010
FBgn0038484	6.492	12.984	0.000	0.000	#DIV/0!	0.001	0.007
FBgn0050053	7.717	15.434	0.000	0.000	#DIV/0!	0.000	0.002
FBgn0262607	6.031	12.062	0.000	0.000	#DIV/0!	0.001	0.012



**Table S2.2: Genes with altered expression in 10d Spd<sup>5mM+</sup> as compared to Spd<sup>-</sup> flies.**

<b>id</b>	<b>baseMean</b>	<b>baseMeanA</b>	<b>baseMeanB</b>	<b>foldChange</b>	<b>log2FoldChange</b>	<b>p-value</b>	<b>padj</b>
FBgn0000182	91.541	182.518	0.565	0.003	-8.335	0.000	0.000
FBgn0000277	304.436	606.412	2.460	0.004	-7.945	0.000	0.001
FBgn0264353	60.566	120.499	0.632	0.005	-7.576	0.000	0.000
FBgn0263650	55.502	110.372	0.632	0.006	-7.449	0.000	0.000
FBgn0261987	44.948	89.331	0.565	0.006	-7.304	0.000	0.000
FBgn0262881	882.425	1753.512	11.338	0.006	-7.273	0.000	0.000
FBgn0035159	42.932	85.300	0.565	0.007	-7.237	0.000	0.000
FBgn0085209	608.755	1208.632	8.877	0.007	-7.089	0.000	0.000
FBgn0034199	3080.616	6111.793	49.440	0.008	-6.950	0.000	0.000
FBgn0031610	38.864	77.096	0.632	0.008	-6.931	0.000	0.000
FBgn0011761	133.500	264.739	2.261	0.009	-6.871	0.000	0.000
FBgn0085334	169.006	334.920	3.092	0.009	-6.759	0.000	0.000
FBgn0085271	806.430	1595.272	17.587	0.011	-6.503	0.000	0.000
FBgn0034329	9598.768	18938.905	258.631	0.014	-6.194	0.000	0.000
FBgn0033523	243.864	480.547	7.181	0.015	-6.064	0.000	0.000
FBgn0050172	1824.416	3591.678	57.155	0.016	-5.974	0.000	0.000
FBgn0011227	3645.346	7173.628	117.064	0.016	-5.937	0.000	0.000
FBgn0085203	36.249	71.301	1.197	0.017	-5.897	0.000	0.000
FBgn0063494	1080.117	2121.134	39.100	0.018	-5.762	0.000	0.000
FBgn0032244	32.551	63.905	1.197	0.019	-5.739	0.000	0.000
FBgn0264393	93.522	183.586	3.458	0.019	-5.730	0.000	0.001
FBgn0033357	2863.565	5612.226	114.904	0.020	-5.610	0.000	0.000
FBgn0004106	15.068	29.505	0.632	0.021	-5.546	0.000	0.000
FBgn0066084	63490.475	124284.216	2696.733	0.022	-5.526	0.000	0.000
FBgn0010039	439.063	859.041	19.084	0.022	-5.492	0.000	0.000
FBgn0023395	14.475	28.318	0.632	0.022	-5.487	0.000	0.000
FBgn0032847	335.619	656.442	14.796	0.023	-5.471	0.000	0.000
FBgn0000276	1500.866	2932.602	69.130	0.024	-5.407	0.000	0.001
FBgn0264350	12.236	23.907	0.565	0.024	-5.402	0.000	0.001
FBgn0022224	327.122	638.949	15.295	0.024	-5.385	0.000	0.000

FBgn0085284	227.483	444.327	10.640	0.024	-5.384	0.000	0.000
FBgn0085279	323.419	631.579	15.260	0.024	-5.371	0.000	0.000
FBgn0032929	11.883	23.200	0.565	0.024	-5.359	0.000	0.000
FBgn0034627	26.277	51.291	1.263	0.025	-5.343	0.000	0.000
FBgn0053307	1187.880	2317.478	58.282	0.025	-5.313	0.000	0.000
FBgn0004649	58.581	114.269	2.893	0.025	-5.304	0.000	0.000
FBgn0262481	291.665	568.835	14.496	0.025	-5.294	0.000	0.000
FBgn0029942	454.817	886.924	22.710	0.026	-5.287	0.000	0.000
FBgn0036255	188.277	367.112	9.443	0.026	-5.281	0.000	0.000
FBgn0039355	22.349	43.567	1.131	0.026	-5.268	0.000	0.000
FBgn0035355	72.204	140.752	3.657	0.026	-5.266	0.000	0.000
FBgn0067905	2824.534	5505.774	143.295	0.026	-5.264	0.000	0.000
FBgn0034187	21.947	42.763	1.131	0.026	-5.241	0.000	0.000
FBgn0036145	2859.181	5567.554	150.808	0.027	-5.206	0.000	0.000
FBgn0034326	21.320	41.509	1.131	0.027	-5.198	0.000	0.000
FBgn0031561	15598.177	30356.991	839.362	0.028	-5.177	0.000	0.000
FBgn0030085	20.724	40.318	1.131	0.028	-5.156	0.000	0.000
FBgn0026417	21.820	42.443	1.197	0.028	-5.148	0.000	0.000
FBgn0034299	44.669	86.878	2.460	0.028	-5.142	0.000	0.000
FBgn0260477	9.936	19.307	0.565	0.029	-5.094	0.000	0.001
FBgn0263981	11.095	21.558	0.632	0.029	-5.093	0.000	0.001
FBgn0034512	11484.731	22314.278	655.184	0.029	-5.090	0.000	0.000
FBgn0050053	9.791	19.016	0.565	0.030	-5.072	0.000	0.001
FBgn0032494	2784.955	5408.891	161.018	0.030	-5.070	0.000	0.000
FBgn0037009	342.895	665.874	19.915	0.030	-5.063	0.000	0.000
FBgn0085322	389.609	756.577	22.640	0.030	-5.063	0.000	0.000
FBgn0036777	19.436	37.742	1.131	0.030	-5.061	0.000	0.000
FBgn0034165	122.440	237.698	7.181	0.030	-5.049	0.000	0.000
FBgn0085229	3214.949	6241.117	188.781	0.030	-5.047	0.000	0.000
FBgn0033547	386.160	749.379	22.940	0.031	-5.030	0.000	0.000
FBgn0040972	772.547	1498.746	46.348	0.031	-5.015	0.000	0.000
FBgn0033548	384.429	745.650	23.209	0.031	-5.006	0.000	0.000
FBgn0031674	9.260	17.955	0.565	0.031	-4.989	0.000	0.001
FBgn0034945	117.033	226.885	7.181	0.032	-4.982	0.000	0.000

FBgn0039835	161.178	312.348	10.008	0.032	-4.964	0.000	0.000
FBgn0262539	684.520	1326.384	42.656	0.032	-4.959	0.000	0.000
FBgn0038420	951.351	1843.353	59.350	0.032	-4.957	0.000	0.000
FBgn0050197	5726.772	11086.923	366.622	0.033	-4.918	0.000	0.000
FBgn0031753	256.283	496.109	16.457	0.033	-4.914	0.000	0.000
FBgn0023170	3421.142	6620.292	221.991	0.034	-4.898	0.000	0.000
FBgn0085468	1473.435	2851.082	95.788	0.034	-4.896	0.000	0.000
FBgn0037345	73.927	143.000	4.854	0.034	-4.881	0.000	0.000
FBgn0039218	576.881	1115.758	38.004	0.034	-4.876	0.000	0.000
FBgn0031560	1132.727	2190.649	74.806	0.034	-4.872	0.000	0.000
FBgn0052450	8.520	16.474	0.565	0.034	-4.865	0.001	0.003
FBgn0039083	9.519	18.406	0.632	0.034	-4.865	0.000	0.000
FBgn0051189	73.636	142.352	4.920	0.035	-4.855	0.000	0.000
FBgn0031564	53.763	103.869	3.657	0.035	-4.828	0.000	0.000
FBgn0002899	24.837	47.978	1.696	0.035	-4.822	0.000	0.000
FBgn0259831	18.425	35.587	1.263	0.035	-4.816	0.000	0.000
FBgn0040588	303.431	585.950	20.913	0.036	-4.808	0.000	0.000
FBgn0037008	128.849	248.622	9.076	0.037	-4.776	0.000	0.000
FBgn0037708	107.708	207.802	7.614	0.037	-4.770	0.000	0.000
FBgn0034245	6839.928	13195.793	484.063	0.037	-4.769	0.000	0.000
FBgn0036532	7.892	15.220	0.565	0.037	-4.751	0.004	0.015
FBgn0038665	1529.656	2949.559	109.753	0.037	-4.748	0.000	0.000
FBgn0035674	185.157	356.980	13.333	0.037	-4.743	0.000	0.000
FBgn0042137	8.730	16.828	0.632	0.038	-4.736	0.001	0.004
FBgn0000278	49.576	95.561	3.591	0.038	-4.734	0.000	0.000
FBgn0262003	269.975	520.366	19.583	0.038	-4.732	0.000	0.000
FBgn0035998	154.721	298.171	11.271	0.038	-4.725	0.000	0.000
FBgn0040786	328.346	632.721	23.970	0.038	-4.722	0.000	0.000
FBgn0085244	363.754	700.843	26.664	0.038	-4.716	0.000	0.000
FBgn0033962	260.685	502.250	19.119	0.038	-4.715	0.000	0.000
FBgn0027073	439.423	846.296	32.550	0.038	-4.700	0.000	0.000
FBgn0030711	453.336	872.894	33.779	0.039	-4.692	0.000	0.000
FBgn0031403	90.862	174.909	6.815	0.039	-4.682	0.000	0.000
FBgn0032205	154.384	297.099	11.669	0.039	-4.670	0.000	0.000

FBgn0037661	16.447	31.630	1.263	0.040	-4.646	0.000	0.000
FBgn0031361	174.244	335.057	13.431	0.040	-4.641	0.000	0.000
FBgn0033778	7.314	14.062	0.565	0.040	-4.637	0.001	0.004
FBgn0034523	14.531	27.931	1.131	0.040	-4.627	0.000	0.000
FBgn0050279	7.249	13.932	0.565	0.041	-4.623	0.005	0.020
FBgn0034264	38.421	73.817	3.025	0.041	-4.609	0.000	0.000
FBgn0038395	31.074	59.688	2.460	0.041	-4.601	0.000	0.000
FBgn0085339	161.385	309.970	12.800	0.041	-4.598	0.000	0.000
FBgn0000500	1427.460	2740.949	113.972	0.042	-4.588	0.000	0.000
FBgn0025583	14380.395	27610.714	1150.076	0.042	-4.585	0.000	0.000
FBgn0052068	1572.344	3018.683	126.005	0.042	-4.582	0.000	0.000
FBgn0033134	904.072	1735.632	72.513	0.042	-4.581	0.000	0.000
FBgn0038083	85.720	164.525	6.916	0.042	-4.572	0.000	0.000
FBgn0030694	211.311	405.565	17.057	0.042	-4.572	0.000	0.000
FBgn0263852	327.224	627.984	26.465	0.042	-4.569	0.000	0.000
FBgn0039313	70.496	135.273	5.719	0.042	-4.564	0.000	0.000
FBgn0262035	635.177	1218.820	51.534	0.042	-4.564	0.000	0.000
FBgn0032973	75.314	144.511	6.117	0.042	-4.562	0.000	0.000
FBgn0053108	205.918	394.748	17.088	0.043	-4.530	0.000	0.000
FBgn0033686	71.157	136.397	5.918	0.043	-4.526	0.000	0.000
FBgn0037762	15.144	29.025	1.263	0.044	-4.522	0.000	0.000
FBgn0033555	3198.780	6128.013	269.548	0.044	-4.507	0.000	0.000
FBgn0259791	7.492	14.352	0.632	0.044	-4.506	0.015	0.047
FBgn0032193	274.524	525.808	23.240	0.044	-4.500	0.000	0.000
FBgn0030684	6.670	12.774	0.565	0.044	-4.498	0.002	0.010
FBgn0034774	6.670	12.774	0.565	0.044	-4.498	0.002	0.009
FBgn0037646	205.656	393.822	17.489	0.044	-4.493	0.000	0.000
FBgn0031558	859.808	1646.204	73.413	0.045	-4.487	0.000	0.000
FBgn0040512	837.574	1603.068	72.080	0.045	-4.475	0.000	0.000
FBgn0036820	1083.240	2073.053	93.426	0.045	-4.472	0.000	0.000
FBgn0033683	402.366	769.986	34.745	0.045	-4.470	0.000	0.000
FBgn0036667	160.523	307.115	13.930	0.045	-4.462	0.000	0.000
FBgn0036509	591.921	1132.173	51.669	0.046	-4.454	0.000	0.000
FBgn0050033	701.015	1340.753	61.276	0.046	-4.452	0.000	0.000

FBgn0034027	201.147	384.672	17.622	0.046	-4.448	0.000	0.000
FBgn0038919	40.184	76.843	3.524	0.046	-4.446	0.000	0.000
FBgn0053170	946.206	1808.928	83.484	0.046	-4.437	0.000	0.000
FBgn0037309	181.463	346.867	16.059	0.046	-4.433	0.000	0.000
FBgn0036696	59.389	113.491	5.287	0.047	-4.424	0.000	0.000
FBgn0029950	274.000	523.563	24.437	0.047	-4.421	0.000	0.000
FBgn0039172	1111.523	2123.830	99.217	0.047	-4.420	0.000	0.000
FBgn0031925	33.077	63.194	2.959	0.047	-4.417	0.000	0.000
FBgn0061198	829.155	1584.069	74.240	0.047	-4.415	0.000	0.000
FBgn0036536	32.982	63.004	2.959	0.047	-4.412	0.000	0.000
FBgn0000140	31.257	59.688	2.826	0.047	-4.400	0.000	0.000
FBgn0031873	262.641	501.476	23.806	0.047	-4.397	0.000	0.000
FBgn0016053	12.407	23.684	1.131	0.048	-4.389	0.000	0.002
FBgn0035907	121.831	232.524	11.139	0.048	-4.384	0.000	0.000
FBgn0031563	516.388	984.933	47.842	0.049	-4.364	0.000	0.000
FBgn0028380	339.515	647.513	31.518	0.049	-4.361	0.000	0.000
FBgn0262537	343.578	655.206	31.950	0.049	-4.358	0.000	0.000
FBgn0042206	82.129	156.578	7.680	0.049	-4.350	0.000	0.000
FBgn0032725	705.034	1343.802	66.266	0.049	-4.342	0.000	0.000
FBgn0263606	31.872	60.719	3.025	0.050	-4.327	0.000	0.000
FBgn0028664	482.305	918.828	45.783	0.050	-4.327	0.000	0.000
FBgn0013771	311.321	593.051	29.591	0.050	-4.325	0.000	0.000
FBgn0039108	11.892	22.653	1.131	0.050	-4.325	0.000	0.000
FBgn0035805	246.854	470.136	23.572	0.050	-4.318	0.000	0.000
FBgn0264675	6.575	12.517	0.632	0.050	-4.309	0.015	0.047
FBgn0261638	5.866	11.166	0.565	0.051	-4.304	0.013	0.043
FBgn0032192	5.849	11.133	0.565	0.051	-4.300	0.003	0.014
FBgn0022246	141.672	269.645	13.700	0.051	-4.299	0.000	0.000
FBgn0032836	3845.616	7319.072	372.160	0.051	-4.298	0.000	0.000
FBgn0037305	491.127	934.476	47.779	0.051	-4.290	0.000	0.000
FBgn0053178	1724.442	3280.941	167.943	0.051	-4.288	0.000	0.000
FBgn0039335	151.781	288.732	14.830	0.051	-4.283	0.000	0.000
FBgn0038001	6.446	12.261	0.632	0.052	-4.279	0.003	0.013
FBgn0027864	94.890	180.470	9.310	0.052	-4.277	0.000	0.000

FBgn0004107	152.889	290.682	15.096	0.052	-4.267	0.000	0.000
FBgn0263604	371.316	705.960	36.672	0.052	-4.267	0.000	0.000
FBgn0038902	11.393	21.655	1.131	0.052	-4.260	0.000	0.001
FBgn0000405	172.897	328.573	17.221	0.052	-4.254	0.000	0.000
FBgn0026190	37.240	70.757	3.723	0.053	-4.248	0.000	0.000
FBgn0040255	12.617	23.970	1.263	0.053	-4.246	0.000	0.000
FBgn0032746	455.103	864.389	45.817	0.053	-4.238	0.000	0.000
FBgn0032791	42.591	80.893	4.289	0.053	-4.237	0.000	0.000
FBgn0026570	160.663	305.135	16.192	0.053	-4.236	0.000	0.000
FBgn0051248	504.338	957.707	50.968	0.053	-4.232	0.000	0.000
FBgn0037670	94.624	179.674	9.575	0.053	-4.230	0.000	0.000
FBgn0034888	179.279	340.406	18.153	0.053	-4.229	0.000	0.000
FBgn0039356	45.832	87.008	4.655	0.054	-4.224	0.000	0.000
FBgn0036192	64.671	122.725	6.616	0.054	-4.213	0.000	0.000
FBgn0034963	368.294	698.751	37.837	0.054	-4.207	0.000	0.000
FBgn0044050	327.223	620.762	33.684	0.054	-4.204	0.000	0.000
FBgn0036359	334.618	634.556	34.679	0.055	-4.194	0.000	0.000
FBgn0086447	170.810	323.831	17.789	0.055	-4.186	0.000	0.000
FBgn0027074	51.892	98.364	5.419	0.055	-4.182	0.000	0.000
FBgn0032004	16.116	30.536	1.696	0.056	-4.170	0.000	0.000
FBgn0037228	338.577	641.479	35.674	0.056	-4.168	0.000	0.000
FBgn0052706	27.365	51.838	2.893	0.056	-4.163	0.000	0.000
FBgn0264718	209.562	396.881	22.242	0.056	-4.157	0.000	0.000
FBgn0063493	176.576	334.398	18.753	0.056	-4.156	0.000	0.000
FBgn0000564	5.931	11.230	0.632	0.056	-4.152	0.001	0.005
FBgn0033799	382.096	723.496	40.695	0.056	-4.152	0.000	0.000
FBgn0031270	74.199	140.387	8.012	0.057	-4.131	0.000	0.000
FBgn0029672	74.748	141.418	8.078	0.057	-4.130	0.000	0.000
FBgn0028894	138.496	261.932	15.061	0.057	-4.120	0.000	0.001
FBgn0037376	163.743	309.664	17.821	0.058	-4.119	0.000	0.000
FBgn0046999	202.220	382.428	22.012	0.058	-4.119	0.000	0.000
FBgn0063492	110.278	208.487	12.070	0.058	-4.110	0.000	0.000
FBgn0035335	380.851	719.841	41.860	0.058	-4.104	0.000	0.000
FBgn0036094	149.373	282.288	16.457	0.058	-4.100	0.000	0.000

FBgn0010431	26.820	50.680	2.959	0.058	-4.098	0.000	0.000
FBgn0036911	447.967	846.292	49.642	0.059	-4.092	0.000	0.000
FBgn0037635	363.611	686.558	40.663	0.059	-4.078	0.000	0.000
FBgn0037818	102.218	192.965	11.470	0.059	-4.072	0.000	0.000
FBgn0028956	10.073	19.016	1.131	0.059	-4.072	0.001	0.006
FBgn0010217	13303.230	25109.402	1497.057	0.060	-4.068	0.000	0.000
FBgn0039622	20.679	39.030	2.327	0.060	-4.068	0.000	0.000
FBgn0010198	7576.195	14287.854	864.535	0.061	-4.047	0.000	0.000
FBgn0032085	5.529	10.426	0.632	0.061	-4.045	0.014	0.045
FBgn0260004	147.998	279.073	16.924	0.061	-4.043	0.000	0.000
FBgn0034232	132.787	250.279	15.295	0.061	-4.032	0.000	0.000
FBgn0034198	814.521	1535.117	93.925	0.061	-4.031	0.000	0.000
FBgn0260874	39.926	75.198	4.655	0.062	-4.014	0.000	0.000
FBgn0037061	249.096	469.134	29.058	0.062	-4.013	0.000	0.000
FBgn0032248	122.424	230.551	14.297	0.062	-4.011	0.000	0.000
FBgn0003655	21.633	40.739	2.526	0.062	-4.011	0.000	0.000
FBgn0040773	4643.789	8743.194	544.383	0.062	-4.005	0.000	0.000
FBgn0033527	87.527	164.782	10.273	0.062	-4.004	0.000	0.000
FBgn0014469	879.122	1654.477	103.768	0.063	-3.995	0.000	0.000
FBgn0001120	35.755	67.221	4.289	0.064	-3.970	0.000	0.000
FBgn0040392	24.566	46.173	2.959	0.064	-3.964	0.000	0.000
FBgn0037685	4.692	8.818	0.565	0.064	-3.963	0.010	0.036
FBgn0063495	85.985	161.595	10.374	0.064	-3.961	0.000	0.000
FBgn0032034	177.076	332.771	21.380	0.064	-3.960	0.000	0.000
FBgn0034191	149.448	280.841	18.055	0.064	-3.959	0.000	0.000
FBgn0038914	6265.496	11773.529	757.463	0.064	-3.958	0.000	0.000
FBgn0065055	14.024	26.353	1.696	0.064	-3.958	0.002	0.009
FBgn0047000	14.461	27.160	1.762	0.065	-3.946	0.010	0.036
FBgn0035109	110.118	206.804	13.431	0.065	-3.945	0.000	0.000
FBgn0032634	77.814	146.119	9.509	0.065	-3.942	0.000	0.000
FBgn0002869	41.544	78.001	5.088	0.065	-3.938	0.001	0.006
FBgn0264678	88.387	165.935	10.839	0.065	-3.936	0.000	0.000
FBgn0036331	57.437	107.826	7.049	0.065	-3.935	0.000	0.000
FBgn0034033	390.990	733.933	48.047	0.065	-3.933	0.000	0.000

FBgn0036306	123.527	231.861	15.194	0.066	-3.932	0.000	0.000
FBgn0038850	46.784	87.782	5.786	0.066	-3.923	0.000	0.000
FBgn0036550	107.364	201.429	13.299	0.066	-3.921	0.000	0.000
FBgn0032834	179.974	337.569	22.378	0.066	-3.915	0.000	0.000
FBgn0083983	217.642	408.152	27.131	0.066	-3.911	0.000	0.000
FBgn0054039	203.046	380.757	25.334	0.067	-3.910	0.000	0.000
FBgn0028952	4.498	8.431	0.565	0.067	-3.899	0.013	0.043
FBgn0050055	650.744	1219.530	81.958	0.067	-3.895	0.000	0.000
FBgn0013746	544.718	1020.577	68.859	0.067	-3.890	0.000	0.000
FBgn0040922	42.241	79.128	5.353	0.068	-3.886	0.013	0.044
FBgn0040508	4.981	9.331	0.632	0.068	-3.885	0.006	0.022
FBgn0032896	426.440	798.750	54.129	0.068	-3.883	0.000	0.000
FBgn0028697	6036.705	11300.570	772.840	0.068	-3.870	0.000	0.000
FBgn0039732	167.973	314.433	21.513	0.068	-3.869	0.000	0.000
FBgn0028546	594.750	1112.826	76.675	0.069	-3.859	0.000	0.000
FBgn0010423	4.370	8.174	0.565	0.069	-3.854	0.013	0.043
FBgn0058045	856.064	1601.181	110.947	0.069	-3.851	0.000	0.000
FBgn0004911	13.075	24.454	1.696	0.069	-3.850	0.000	0.000
FBgn0050099	9.738	18.212	1.263	0.069	-3.850	0.001	0.006
FBgn0011823	89.368	167.134	11.603	0.069	-3.848	0.000	0.000
FBgn0050187	14.027	26.226	1.829	0.070	-3.842	0.000	0.001
FBgn0033742	27.537	51.484	3.591	0.070	-3.842	0.000	0.000
FBgn0029714	205.323	383.846	26.799	0.070	-3.840	0.000	0.000
FBgn0036887	907.767	1696.768	118.766	0.070	-3.837	0.000	0.000
FBgn0032434	8.626	16.120	1.131	0.070	-3.834	0.003	0.014
FBgn0040551	548.606	1025.163	72.048	0.070	-3.831	0.000	0.000
FBgn0034443	475.939	889.338	62.540	0.070	-3.830	0.000	0.000
FBgn0083972	351.104	655.992	46.215	0.070	-3.827	0.000	0.000
FBgn0035528	509.454	951.550	67.359	0.071	-3.820	0.000	0.000
FBgn0031986	13.785	25.742	1.829	0.071	-3.815	0.000	0.000
FBgn0041147	46.710	87.202	6.218	0.071	-3.810	0.000	0.000
FBgn0031904	338.319	631.389	45.249	0.072	-3.803	0.000	0.000
FBgn0027093	183.741	342.877	24.605	0.072	-3.801	0.000	0.000
FBgn0039135	801.331	1495.268	107.394	0.072	-3.799	0.000	0.000



FBgn0039006	84.068	156.865	11.271	0.072	-3.799	0.000	0.000
FBgn0261020	240.952	449.553	32.351	0.072	-3.797	0.000	0.000
FBgn0040813	51792.518	96616.439	6968.597	0.072	-3.793	0.000	0.000
FBgn0035636	12.560	23.423	1.696	0.072	-3.788	0.000	0.001
FBgn0030704	215.963	402.732	29.193	0.072	-3.786	0.000	0.000
FBgn0032986	400.902	747.510	54.294	0.073	-3.783	0.000	0.000
FBgn0039779	9.319	17.375	1.263	0.073	-3.782	0.005	0.018
FBgn0040256	174.915	326.023	23.806	0.073	-3.776	0.000	0.000
FBgn0261386	17.061	31.794	2.327	0.073	-3.772	0.009	0.032
FBgn0053635	98.711	183.924	13.498	0.073	-3.768	0.000	0.000
FBgn0040754	1573.384	2930.443	216.325	0.074	-3.760	0.002	0.008
FBgn0038795	354.173	659.305	49.042	0.074	-3.749	0.000	0.000
FBgn0259992	331.485	616.754	46.215	0.075	-3.738	0.000	0.000
FBgn0050054	184.535	343.268	25.801	0.075	-3.734	0.000	0.000
FBgn0036587	372.909	693.589	52.229	0.075	-3.731	0.000	0.000
FBgn0033439	119.036	221.250	16.823	0.076	-3.717	0.000	0.000
FBgn0037017	48.764	90.611	6.916	0.076	-3.712	0.000	0.000
FBgn0033467	73.547	136.586	10.507	0.077	-3.700	0.000	0.000
FBgn0032247	91.546	169.992	13.100	0.077	-3.698	0.000	0.000
FBgn0039735	809.389	1502.608	116.170	0.077	-3.693	0.000	0.000
FBgn0032017	111.331	206.670	15.993	0.077	-3.692	0.000	0.000
FBgn0050151	324.567	602.420	46.714	0.078	-3.689	0.000	0.000
FBgn0040099	852.399	1581.551	123.247	0.078	-3.682	0.001	0.003
FBgn0033303	65.083	120.723	9.443	0.078	-3.676	0.001	0.005
FBgn0085285	8.225	15.253	1.197	0.078	-3.672	0.003	0.014
FBgn0262825	32.850	60.912	4.788	0.079	-3.669	0.000	0.000
FBgn0033261	208.259	386.162	30.355	0.079	-3.669	0.000	0.000
FBgn0262307	15.870	29.412	2.327	0.079	-3.660	0.003	0.014
FBgn0044812	53.684	99.488	7.879	0.079	-3.658	0.000	0.000
FBgn0035209	16.738	31.016	2.460	0.079	-3.656	0.010	0.035
FBgn0034001	784.566	1453.527	115.605	0.080	-3.652	0.001	0.005
FBgn0086602	7.628	14.125	1.131	0.080	-3.643	0.007	0.026
FBgn0032002	114.991	212.726	17.256	0.081	-3.624	0.000	0.000
FBgn0038959	274.604	507.979	41.229	0.081	-3.623	0.000	0.000

FBgn0051860	15.918	29.442	2.394	0.081	-3.620	0.000	0.000
FBgn0020416	764.764	1414.324	115.204	0.081	-3.618	0.000	0.000
FBgn0033906	1834.310	3390.078	278.542	0.082	-3.605	0.000	0.000
FBgn0025334	14.871	27.480	2.261	0.082	-3.603	0.000	0.000
FBgn0047135	3252.846	6010.931	494.761	0.082	-3.603	0.000	0.000
FBgn0030170	7.354	13.578	1.131	0.083	-3.586	0.007	0.027
FBgn0002939	58.466	107.923	9.010	0.083	-3.582	0.000	0.000
FBgn0037100	8.193	15.123	1.263	0.084	-3.582	0.004	0.017
FBgn0042205	41.046	75.741	6.351	0.084	-3.576	0.000	0.000
FBgn0052196	26.726	49.296	4.156	0.084	-3.568	0.000	0.000
FBgn0042213	196.367	362.079	30.655	0.085	-3.562	0.000	0.000
FBgn0259713	70.067	129.195	10.940	0.085	-3.562	0.000	0.000
FBgn0031389	297.392	548.304	46.481	0.085	-3.560	0.000	0.000
FBgn0032250	151.598	279.456	23.739	0.085	-3.557	0.000	0.000
FBgn0032922	129.415	238.513	20.316	0.085	-3.553	0.000	0.000
FBgn0032215	145.626	268.379	22.874	0.085	-3.552	0.000	0.000
FBgn0065032	80.810	148.918	12.702	0.085	-3.551	0.000	0.000
FBgn0027259	47.922	88.296	7.548	0.085	-3.548	0.000	0.000
FBgn0037696	114.923	211.658	18.187	0.086	-3.541	0.000	0.000
FBgn0034951	844.220	1554.512	133.928	0.086	-3.537	0.000	0.000
FBgn0026314	853.311	1570.637	135.984	0.087	-3.530	0.000	0.000
FBgn0039045	49.019	90.224	7.813	0.087	-3.530	0.000	0.000
FBgn0052373	11.050	20.338	1.762	0.087	-3.529	0.000	0.002
FBgn0033131	68.440	125.941	10.940	0.087	-3.525	0.000	0.000
FBgn0002466	26.325	48.428	4.222	0.087	-3.520	0.000	0.000
FBgn0010607	331.667	609.867	53.466	0.088	-3.512	0.000	0.000
FBgn0032637	22.678	41.699	3.657	0.088	-3.511	0.001	0.004
FBgn0027780	238.184	437.798	38.570	0.088	-3.505	0.000	0.000
FBgn0002791	148.690	273.244	24.137	0.088	-3.501	0.000	0.000
FBgn0062449	128.725	236.536	20.913	0.088	-3.500	0.000	0.000
FBgn0032648	6.904	12.677	1.131	0.089	-3.487	0.009	0.033
FBgn0033615	68.813	126.354	11.271	0.089	-3.487	0.000	0.000
FBgn0003124	30.439	55.891	4.987	0.089	-3.486	0.000	0.000
FBgn0035855	24.488	44.952	4.023	0.090	-3.482	0.000	0.000

FBgn0039836	22.133	40.608	3.657	0.090	-3.473	0.000	0.000
FBgn0033453	261.284	479.147	43.421	0.091	-3.464	0.000	0.000
FBgn0015034	7.598	13.932	1.263	0.091	-3.463	0.010	0.035
FBgn0037662	7.162	13.128	1.197	0.091	-3.455	0.006	0.022
FBgn0034481	6.759	12.387	1.131	0.091	-3.454	0.004	0.017
FBgn0032032	130.521	239.197	21.844	0.091	-3.453	0.000	0.000
FBgn0035838	35.297	64.675	5.918	0.092	-3.450	0.000	0.000
FBgn0052221	209.157	383.203	35.111	0.092	-3.448	0.000	0.000
FBgn0053260	25.939	47.524	4.355	0.092	-3.448	0.000	0.000
FBgn0017545	11603.727	21258.880	1948.573	0.092	-3.448	0.000	0.000
FBgn0051785	43.929	80.442	7.415	0.092	-3.439	0.000	0.000
FBgn0036116	1080.962	1979.422	182.502	0.092	-3.439	0.000	0.000
FBgn0034475	568.322	1040.684	95.961	0.092	-3.439	0.000	0.000
FBgn0085351	105.455	193.088	17.821	0.092	-3.438	0.000	0.000
FBgn0034266	7.469	13.675	1.263	0.092	-3.436	0.004	0.015
FBgn0263379	7.438	13.612	1.263	0.093	-3.430	0.007	0.026
FBgn0000404	69.907	127.910	11.903	0.093	-3.426	0.000	0.000
FBgn0037950	191.144	349.737	32.550	0.093	-3.426	0.000	0.000
FBgn0051111	44.994	82.307	7.680	0.093	-3.422	0.000	0.000
FBgn0003374	6.986	12.774	1.197	0.094	-3.416	0.010	0.036
FBgn0040968	91.071	166.516	15.626	0.094	-3.414	0.000	0.000
FBgn0037960	137.262	250.852	23.673	0.094	-3.406	0.000	0.000
FBgn0260720	38.236	69.857	6.616	0.095	-3.400	0.000	0.000
FBgn0015299	192.294	351.274	33.315	0.095	-3.398	0.000	0.000
FBgn0026634	219.291	400.544	38.039	0.095	-3.396	0.000	0.000
FBgn0052407	284.949	520.291	49.607	0.095	-3.391	0.000	0.000
FBgn0037934	150.968	275.503	26.433	0.096	-3.382	0.000	0.000
FBgn0033041	7.212	13.161	1.263	0.096	-3.381	0.014	0.046
FBgn0036745	883.128	1611.112	155.144	0.096	-3.376	0.000	0.000
FBgn0264266	6.760	12.324	1.197	0.097	-3.364	0.015	0.047
FBgn0259991	34.867	63.551	6.184	0.097	-3.361	0.000	0.000
FBgn0012042	1376.036	2507.928	244.145	0.097	-3.361	0.000	0.000
FBgn0032613	114.087	207.928	20.247	0.097	-3.360	0.000	0.000
FBgn0000229	775.296	1412.749	137.844	0.098	-3.357	0.000	0.000

FBgn0034293	34.029	62.007	6.051	0.098	-3.357	0.000	0.000
FBgn0039116	112.043	204.135	19.950	0.098	-3.355	0.000	0.000
FBgn0033215	19.039	34.686	3.392	0.098	-3.354	0.000	0.000
FBgn0032873	135.435	246.698	24.172	0.098	-3.351	0.000	0.000
FBgn0031707	10.214	18.599	1.829	0.098	-3.346	0.002	0.010
FBgn0033032	298.214	542.996	53.431	0.098	-3.345	0.000	0.000
FBgn0050195	12.585	22.910	2.261	0.099	-3.341	0.000	0.001
FBgn0039911	1196.301	2177.653	214.949	0.099	-3.341	0.000	0.000
FBgn0086681	7.019	12.774	1.263	0.099	-3.338	0.006	0.023
FBgn0038074	181.880	330.977	32.784	0.099	-3.336	0.000	0.002
FBgn0051278	148.430	269.927	26.932	0.100	-3.325	0.000	0.000
FBgn0033754	37.177	67.605	6.749	0.100	-3.324	0.000	0.000
FBgn0032018	625.449	1137.183	113.716	0.100	-3.322	0.000	0.000
FBgn0032596	825.504	1500.849	150.160	0.100	-3.321	0.000	0.000
FBgn0028526	2257.714	4103.057	412.370	0.101	-3.315	0.000	0.000
FBgn0031662	412.462	749.548	75.377	0.101	-3.314	0.000	0.000
FBgn0040571	303.598	551.639	55.557	0.101	-3.312	0.000	0.000
FBgn0038631	211.151	383.400	38.901	0.101	-3.301	0.000	0.002
FBgn0261882	41.662	75.644	7.680	0.102	-3.300	0.000	0.000
FBgn0066292	68.728	124.754	12.702	0.102	-3.296	0.000	0.000
FBgn0036105	61.257	111.176	11.338	0.102	-3.294	0.000	0.000
FBgn0264369	6.825	12.387	1.263	0.102	-3.294	0.005	0.020
FBgn0039325	497.319	902.407	92.232	0.102	-3.290	0.000	0.000
FBgn0034538	413.028	749.447	76.609	0.102	-3.290	0.000	0.003
FBgn0014092	500.275	907.720	92.829	0.102	-3.290	0.000	0.001
FBgn0031689	1335.058	2422.182	247.935	0.102	-3.288	0.000	0.000
FBgn0004378	10.199	18.503	1.895	0.102	-3.288	0.005	0.019
FBgn0032047	42.392	76.869	7.914	0.103	-3.280	0.000	0.000
FBgn0015037	679.444	1232.014	126.873	0.103	-3.280	0.000	0.000
FBgn0027341	1023.435	1854.123	192.747	0.104	-3.266	0.000	0.000
FBgn0037611	44.459	80.539	8.378	0.104	-3.265	0.000	0.000
FBgn0085302	15.943	28.861	3.025	0.105	-3.254	0.000	0.000
FBgn0037936	209.487	379.175	39.798	0.105	-3.252	0.000	0.000
FBgn0032987	16932.844	30641.795	3223.893	0.105	-3.249	0.000	0.000

FBgn0050005	75.754	137.078	14.429	0.105	-3.248	0.000	0.000
FBgn0040736	36381.232	65831.357	6931.107	0.105	-3.248	0.001	0.006
FBgn0034729	25.757	46.593	4.920	0.106	-3.243	0.000	0.000
FBgn0032404	1239.190	2241.243	237.137	0.106	-3.241	0.000	0.000
FBgn0030291	156.767	283.476	30.059	0.106	-3.237	0.000	0.000
FBgn0038849	136.242	246.352	26.133	0.106	-3.237	0.000	0.000
FBgn0053987	44.979	81.280	8.678	0.107	-3.227	0.000	0.000
FBgn0260467	13.040	23.554	2.526	0.107	-3.221	0.001	0.003
FBgn0051205	149.379	269.801	28.957	0.107	-3.220	0.000	0.000
FBgn0260399	34.620	62.491	6.749	0.108	-3.211	0.000	0.000
FBgn0039766	123.480	222.854	24.106	0.108	-3.209	0.000	0.000
FBgn0259184	9.345	16.861	1.829	0.108	-3.205	0.001	0.005
FBgn0028433	693.969	1251.288	136.650	0.109	-3.195	0.000	0.000
FBgn0033821	521.560	940.350	102.770	0.109	-3.194	0.000	0.000
FBgn0050285	406.966	733.568	80.364	0.110	-3.190	0.000	0.000
FBgn0035089	418.818	754.714	82.922	0.110	-3.186	0.000	0.000
FBgn0037552	118.241	213.042	23.439	0.110	-3.184	0.000	0.000
FBgn0038020	677.670	1220.845	134.496	0.110	-3.182	0.000	0.000
FBgn0042129	255.486	460.235	50.738	0.110	-3.181	0.000	0.000
FBgn0011762	26.197	47.174	5.220	0.111	-3.176	0.000	0.000
FBgn0037105	57.959	104.316	11.603	0.111	-3.168	0.000	0.000
FBgn0037076	90.214	162.306	18.121	0.112	-3.163	0.000	0.000
FBgn0034246	447.164	804.489	89.838	0.112	-3.163	0.000	0.000
FBgn0259990	14.687	26.416	2.959	0.112	-3.158	0.000	0.000
FBgn0032153	165.057	296.730	33.384	0.113	-3.152	0.001	0.005
FBgn0263607	206.962	372.032	41.892	0.113	-3.151	0.000	0.000
FBgn0041336	16.739	30.086	3.392	0.113	-3.149	0.000	0.000
FBgn0037935	249.170	447.606	50.735	0.113	-3.141	0.000	0.000
FBgn0038346	440.019	790.326	89.711	0.114	-3.139	0.000	0.000
FBgn0262477	467.811	840.102	95.519	0.114	-3.137	0.000	0.000
FBgn0061197	11.396	20.464	2.327	0.114	-3.136	0.001	0.005
FBgn0035423	2234.486	4011.688	457.283	0.114	-3.133	0.000	0.000
FBgn0051974	474.070	851.083	97.057	0.114	-3.132	0.000	0.000
FBgn0031907	579.660	1040.587	118.734	0.114	-3.132	0.000	0.000

FBgn0031701	137.218	246.210	28.227	0.115	-3.125	0.000	0.000
FBgn0032033	179.361	321.747	36.975	0.115	-3.121	0.000	0.000
FBgn0066293	11.606	20.818	2.394	0.115	-3.120	0.002	0.010
FBgn0038893	91.671	164.391	18.952	0.115	-3.117	0.000	0.000
FBgn0085757	11.253	20.178	2.327	0.115	-3.116	0.013	0.042
FBgn0033773	20.082	36.008	4.156	0.115	-3.115	0.000	0.001
FBgn0033900	203.071	364.082	42.059	0.116	-3.114	0.000	0.000
FBgn0011509	495.384	888.159	102.609	0.116	-3.114	0.000	0.000
FBgn0260474	162.656	291.531	33.782	0.116	-3.109	0.000	0.000
FBgn0038363	187.672	336.341	39.002	0.116	-3.108	0.000	0.000
FBgn0032196	201.573	361.253	41.892	0.116	-3.108	0.000	0.000
FBgn0039024	1440.945	2581.686	300.204	0.116	-3.104	0.000	0.000
FBgn0040732	1002.020	1794.564	209.475	0.117	-3.099	0.000	0.000
FBgn0038472	232.663	416.682	48.644	0.117	-3.099	0.000	0.000
FBgn0034965	11.752	21.045	2.460	0.117	-3.097	0.001	0.004
FBgn0085218	40.195	71.945	8.445	0.117	-3.091	0.000	0.000
FBgn0032189	112.068	200.529	23.607	0.118	-3.087	0.000	0.000
FBgn0039052	31.190	55.765	6.616	0.119	-3.075	0.000	0.000
FBgn0036723	41.504	74.196	8.811	0.119	-3.074	0.000	0.000
FBgn0039065	86.529	154.672	18.386	0.119	-3.073	0.000	0.000
FBgn0031834	156.915	280.450	33.381	0.119	-3.071	0.000	0.000
FBgn0038858	551.608	985.209	118.008	0.120	-3.062	0.000	0.000
FBgn0037885	102.406	182.901	21.911	0.120	-3.061	0.000	0.000
FBgn0052284	8.831	15.767	1.895	0.120	-3.057	0.015	0.047
FBgn0031655	122.838	219.310	26.367	0.120	-3.056	0.000	0.000
FBgn0053180	976.008	1742.383	209.633	0.120	-3.055	0.000	0.000
FBgn0039782	8.492	15.156	1.829	0.121	-3.051	0.012	0.040
FBgn0000594	11.382	20.304	2.460	0.121	-3.045	0.001	0.004
FBgn0039053	8.766	15.637	1.895	0.121	-3.045	0.002	0.010
FBgn0082995	36.101	64.389	7.813	0.121	-3.043	0.000	0.000
FBgn0035611	18.568	33.112	4.023	0.122	-3.041	0.000	0.001
FBgn0027844	1592.864	2838.557	347.171	0.122	-3.031	0.000	0.000
FBgn0039914	313.715	559.038	68.391	0.122	-3.031	0.000	0.000
FBgn0042174	1694.642	3019.265	370.020	0.123	-3.029	0.000	0.000

FBgn0037824	18.696	33.302	4.090	0.123	-3.026	0.000	0.000
FBgn0031693	205.164	365.411	44.917	0.123	-3.024	0.000	0.000
FBgn0035120	239.769	427.034	52.503	0.123	-3.024	0.000	0.000
FBgn0031974	44.626	79.478	9.774	0.123	-3.023	0.000	0.000
FBgn0262828	57.882	103.061	12.702	0.123	-3.020	0.000	0.001
FBgn0262993	14.047	25.001	3.092	0.124	-3.016	0.000	0.003
FBgn0050423	901.572	1604.285	198.858	0.124	-3.012	0.000	0.000
FBgn0051776	5.699	10.135	1.263	0.125	-3.004	0.005	0.018
FBgn0051286	13.046	23.200	2.893	0.125	-3.004	0.002	0.009
FBgn0037263	18.972	33.722	4.222	0.125	-2.998	0.000	0.001
FBgn0259711	83.461	148.337	18.585	0.125	-2.997	0.000	0.000
FBgn0035960	63.892	113.554	14.230	0.125	-2.996	0.000	0.000
FBgn0038446	401.270	713.163	89.377	0.125	-2.996	0.000	0.000
FBgn0052442	84.333	149.882	18.784	0.125	-2.996	0.000	0.000
FBgn0262679	13.273	23.587	2.959	0.125	-2.995	0.002	0.008
FBgn0034614	13.563	24.101	3.025	0.126	-2.994	0.001	0.006
FBgn0036818	56.871	101.041	12.702	0.126	-2.992	0.000	0.000
FBgn0020633	52.480	93.191	11.770	0.126	-2.985	0.000	0.000
FBgn0038002	11.222	19.917	2.526	0.127	-2.979	0.005	0.021
FBgn0051812	34.344	60.942	7.747	0.127	-2.976	0.000	0.000
FBgn0037150	138.980	246.575	31.385	0.127	-2.974	0.000	0.000
FBgn0038582	92.252	163.658	20.847	0.127	-2.973	0.000	0.000
FBgn0038194	2520.926	4472.132	569.720	0.127	-2.973	0.000	0.000
FBgn0024733	4398.965	7801.275	996.654	0.128	-2.969	0.000	0.000
FBgn0036787	45.278	80.282	10.273	0.128	-2.966	0.000	0.000
FBgn0036062	155.452	275.563	35.342	0.128	-2.963	0.000	0.000
FBgn0036300	395.589	701.175	90.002	0.128	-2.962	0.000	0.000
FBgn0036117	122.527	217.159	27.895	0.128	-2.961	0.000	0.000
FBgn0050357	40.804	72.298	9.310	0.129	-2.957	0.000	0.000
FBgn0025827	631.363	1118.516	144.210	0.129	-2.955	0.000	0.000
FBgn0039251	10.755	19.050	2.460	0.129	-2.953	0.008	0.028
FBgn0259985	1054.419	1867.021	241.817	0.130	-2.949	0.000	0.000
FBgn0026144	60.056	106.315	13.798	0.130	-2.946	0.000	0.000
FBgn0261990	897.397	1588.217	206.576	0.130	-2.943	0.002	0.011

FBgn0264541	167.082	295.628	38.535	0.130	-2.940	0.001	0.004
FBgn0041191	1608.890	2846.513	371.266	0.130	-2.939	0.000	0.000
FBgn0033388	63.467	112.270	14.663	0.131	-2.937	0.000	0.000
FBgn0028707	25.322	44.792	5.852	0.131	-2.936	0.000	0.000
FBgn0003278	155.208	274.506	35.910	0.131	-2.934	0.000	0.000
FBgn0035906	1669.897	2953.171	386.624	0.131	-2.933	0.000	0.000
FBgn0032478	33.122	58.564	7.680	0.131	-2.931	0.000	0.000
FBgn0035356	122.815	217.036	28.593	0.132	-2.924	0.000	0.000
FBgn0039958	245.371	433.522	57.221	0.132	-2.921	0.000	0.000
FBgn0030813	63.129	111.529	14.729	0.132	-2.921	0.000	0.000
FBgn0040070	3920.751	6926.612	914.891	0.132	-2.920	0.000	0.000
FBgn0263338	7.542	13.321	1.762	0.132	-2.918	0.008	0.030
FBgn0036656	61.808	109.151	14.464	0.133	-2.916	0.002	0.009
FBgn0030309	2948.700	5202.089	695.310	0.134	-2.903	0.009	0.033
FBgn0047178	182.444	321.799	43.089	0.134	-2.901	0.000	0.000
FBgn0027507	267.762	472.153	63.370	0.134	-2.897	0.000	0.000
FBgn0260749	452.671	798.151	107.192	0.134	-2.896	0.000	0.000
FBgn0037921	56.864	100.262	13.466	0.134	-2.896	0.000	0.000
FBgn0037879	41.928	73.914	9.942	0.135	-2.894	0.000	0.000
FBgn0034061	922.497	1626.237	218.756	0.135	-2.894	0.000	0.001
FBgn0033993	12.467	21.975	2.959	0.135	-2.893	0.001	0.006
FBgn0015035	258.261	455.177	61.346	0.135	-2.891	0.000	0.000
FBgn0038037	1809.316	3188.748	429.883	0.135	-2.891	0.000	0.000
FBgn0263745	42.266	74.457	10.074	0.135	-2.886	0.000	0.000
FBgn0038034	158.778	279.653	37.903	0.136	-2.883	0.000	0.000
FBgn0032644	218.245	384.189	52.301	0.136	-2.877	0.000	0.000
FBgn0051800	220.153	387.539	52.768	0.136	-2.877	0.000	0.000
FBgn0063497	866.106	1524.063	208.148	0.137	-2.872	0.000	0.000
FBgn0085823	19.914	35.040	4.788	0.137	-2.872	0.000	0.001
FBgn0011596	12.566	22.106	3.025	0.137	-2.869	0.001	0.005
FBgn0039145	253.967	446.720	61.213	0.137	-2.867	0.000	0.000
FBgn0039415	21.933	38.580	5.287	0.137	-2.867	0.000	0.000
FBgn0262107	61.326	107.856	14.796	0.137	-2.866	0.000	0.000
FBgn0034967	2365.533	4158.449	572.618	0.138	-2.860	0.000	0.000



FBgn0051467	9.884	17.375	2.394	0.138	-2.860	0.002	0.010
FBgn0031688	29.880	52.511	7.248	0.138	-2.857	0.000	0.000
FBgn0028396	95.310	167.480	23.139	0.138	-2.856	0.000	0.000
FBgn0046322	39.072	68.636	9.509	0.139	-2.852	0.000	0.000
FBgn0263967	19.657	34.526	4.788	0.139	-2.850	0.000	0.001
FBgn0015025	59.873	105.149	14.597	0.139	-2.849	0.000	0.000
FBgn0039154	9.546	16.764	2.327	0.139	-2.849	0.005	0.021
FBgn0037551	655.978	1151.858	160.099	0.139	-2.847	0.000	0.000
FBgn0036036	48.650	85.396	11.903	0.139	-2.843	0.000	0.000
FBgn0053995	124.471	218.454	30.488	0.140	-2.841	0.000	0.000
FBgn0027500	33.907	59.502	8.312	0.140	-2.840	0.010	0.036
FBgn0032105	19.755	34.657	4.854	0.140	-2.836	0.000	0.001
FBgn0030163	448.576	786.698	110.454	0.140	-2.832	0.000	0.000
FBgn0263047	19.173	33.626	4.721	0.140	-2.832	0.000	0.000
FBgn0051133	73.317	128.513	18.121	0.141	-2.826	0.000	0.000
FBgn0040102	261.449	458.128	64.769	0.141	-2.822	0.000	0.000
FBgn0040466	606.593	1062.807	150.379	0.141	-2.821	0.000	0.000
FBgn0262115	400.885	702.056	99.713	0.142	-2.816	0.000	0.000
FBgn0029507	548.422	959.888	136.956	0.143	-2.809	0.000	0.000
FBgn0259982	80.655	141.161	20.149	0.143	-2.809	0.000	0.000
FBgn0004118	398.802	697.858	99.745	0.143	-2.807	0.000	0.000
FBgn0263385	9.547	16.701	2.394	0.143	-2.803	0.002	0.011
FBgn0032246	728.375	1274.012	182.739	0.143	-2.802	0.000	0.000
FBgn0015562	178.969	313.018	44.920	0.144	-2.801	0.000	0.000
FBgn0051460	107.008	187.085	26.932	0.144	-2.796	0.000	0.000
FBgn0029523	58.785	102.775	14.796	0.144	-2.796	0.000	0.000
FBgn0000239	1530.252	2675.013	385.491	0.144	-2.795	0.000	0.000
FBgn0037384	98.540	172.211	24.870	0.144	-2.792	0.000	0.000
FBgn0028523	205.199	358.599	51.799	0.144	-2.791	0.000	0.000
FBgn0038213	7.221	12.614	1.829	0.145	-2.786	0.011	0.039
FBgn0052364	9.419	16.444	2.394	0.146	-2.780	0.011	0.038
FBgn0034833	9.144	15.960	2.327	0.146	-2.778	0.010	0.036
FBgn0031367	18.013	31.437	4.589	0.146	-2.776	0.002	0.010
FBgn0030723	285.665	498.416	72.914	0.146	-2.773	0.000	0.000

FBgn0030259	691.177	1205.871	176.483	0.146	-2.772	0.000	0.000
FBgn0015714	1222.408	2132.253	312.563	0.147	-2.770	0.000	0.001
FBgn0004419	432.248	753.913	110.583	0.147	-2.769	0.000	0.000
FBgn0040928	11.293	19.694	2.893	0.147	-2.767	0.004	0.017
FBgn0011692	11.552	20.144	2.959	0.147	-2.767	0.007	0.026
FBgn0029172	205.448	358.264	52.633	0.147	-2.767	0.000	0.000
FBgn0030159	3419.721	5963.164	876.278	0.147	-2.767	0.000	0.000
FBgn0039323	31.295	54.544	8.047	0.148	-2.761	0.000	0.000
FBgn0261373	161.742	281.890	41.595	0.148	-2.761	0.000	0.001
FBgn0050096	11.762	20.498	3.025	0.148	-2.760	0.002	0.008
FBgn0036029	16.140	28.124	4.156	0.148	-2.759	0.000	0.003
FBgn0262647	230.967	402.416	59.517	0.148	-2.757	0.000	0.000
FBgn0051156	187.989	327.468	48.511	0.148	-2.755	0.000	0.000
FBgn0250753	2713.458	4725.888	701.028	0.148	-2.753	0.000	0.000
FBgn0039371	15.235	26.513	3.957	0.149	-2.744	0.002	0.010
FBgn0038627	156.248	271.766	40.730	0.150	-2.738	0.000	0.000
FBgn0026309	108.088	187.982	28.195	0.150	-2.737	0.000	0.000
FBgn0264501	33.637	58.497	8.776	0.150	-2.737	0.000	0.000
FBgn0036000	114.046	198.303	29.790	0.150	-2.735	0.000	0.000
FBgn0036210	117.838	204.821	30.854	0.151	-2.731	0.000	0.000
FBgn0042177	208.725	362.790	54.660	0.151	-2.731	0.000	0.000
FBgn0031695	41.845	72.719	10.971	0.151	-2.729	0.000	0.000
FBgn0000279	190.674	331.241	50.106	0.151	-2.725	0.010	0.034
FBgn0011771	437.683	760.264	115.103	0.151	-2.724	0.000	0.000
FBgn0054008	27.516	47.784	7.248	0.152	-2.721	0.000	0.001
FBgn0040606	27141.433	47129.806	7153.061	0.152	-2.720	0.000	0.001
FBgn0040514	22.443	38.967	5.918	0.152	-2.719	0.000	0.000
FBgn0022213	203.729	353.660	53.798	0.152	-2.717	0.000	0.000
FBgn0052278	989.803	1717.925	261.681	0.152	-2.715	0.000	0.000
FBgn0263408	43.998	76.292	11.704	0.153	-2.705	0.000	0.000
FBgn0035640	14.850	25.742	3.957	0.154	-2.702	0.002	0.010
FBgn0036889	252.766	437.936	67.595	0.154	-2.696	0.000	0.000
FBgn0004552	10.568	18.309	2.826	0.154	-2.695	0.009	0.031
FBgn0035443	73.070	126.522	19.618	0.155	-2.689	0.000	0.000

FBgn0261839	12.879	22.299	3.458	0.155	-2.689	0.003	0.012
FBgn0030562	135.183	234.057	36.308	0.155	-2.688	0.000	0.001
FBgn0025456	263.598	456.376	70.820	0.155	-2.688	0.000	0.000
FBgn0039153	107.119	185.376	28.862	0.156	-2.683	0.000	0.000
FBgn0033222	9.372	16.217	2.526	0.156	-2.682	0.007	0.027
FBgn0029128	54.501	94.307	14.695	0.156	-2.682	0.000	0.000
FBgn0040780	70.873	122.595	19.151	0.156	-2.678	0.000	0.000
FBgn0040582	1465.820	2534.881	396.759	0.157	-2.676	0.000	0.001
FBgn0038429	139.148	240.627	37.670	0.157	-2.675	0.000	0.000
FBgn0031284	229.631	397.016	62.246	0.157	-2.673	0.001	0.005
FBgn0032916	11.118	19.210	3.025	0.157	-2.667	0.006	0.024
FBgn0037620	20.636	35.654	5.618	0.158	-2.666	0.000	0.001
FBgn0025874	188.288	325.309	51.268	0.158	-2.666	0.000	0.000
FBgn0045073	477.263	824.495	130.031	0.158	-2.665	0.000	0.000
FBgn0035537	19.634	33.916	5.353	0.158	-2.664	0.009	0.032
FBgn0032052	179.309	309.639	48.978	0.158	-2.660	0.003	0.014
FBgn0259896	302.371	521.922	82.821	0.159	-2.656	0.000	0.000
FBgn0000146	11.279	19.467	3.092	0.159	-2.654	0.002	0.008
FBgn0034054	133.839	230.905	36.773	0.159	-2.651	0.000	0.000
FBgn0033475	42.192	72.782	11.603	0.159	-2.649	0.000	0.000
FBgn0263406	15.353	26.483	4.222	0.159	-2.649	0.003	0.011
FBgn0036290	274.466	473.423	75.510	0.159	-2.648	0.000	0.000
FBgn0003089	6.158	10.619	1.696	0.160	-2.647	0.010	0.034
FBgn0031936	189.546	326.794	52.298	0.160	-2.644	0.000	0.000
FBgn0023000	107.935	186.079	29.790	0.160	-2.643	0.000	0.000
FBgn0260468	10.682	18.406	2.959	0.161	-2.637	0.008	0.031
FBgn0003141	664.205	1144.347	184.062	0.161	-2.636	0.000	0.000
FBgn0033450	25.890	44.598	7.181	0.161	-2.635	0.000	0.000
FBgn0027360	22.382	38.546	6.218	0.161	-2.632	0.000	0.003
FBgn0000055	414.233	713.130	115.336	0.162	-2.628	0.000	0.000
FBgn0034438	121.454	209.060	33.848	0.162	-2.627	0.000	0.001
FBgn0025697	629.146	1082.747	175.545	0.162	-2.625	0.000	0.000
FBgn0023096	53.380	91.832	14.928	0.163	-2.621	0.000	0.000
FBgn0033021	533.363	916.945	149.782	0.163	-2.614	0.000	0.000

FBgn0037778	138.492	238.048	38.936	0.164	-2.612	0.000	0.000
FBgn0031948	507.902	872.638	143.165	0.164	-2.608	0.000	0.000
FBgn0014000	2301.163	3950.117	652.208	0.165	-2.598	0.000	0.000
FBgn0034407	3562.441	6115.170	1009.711	0.165	-2.598	0.000	0.000
FBgn0264556	25.099	43.083	7.115	0.165	-2.598	0.000	0.001
FBgn0036988	128.282	220.193	36.372	0.165	-2.598	0.000	0.000
FBgn0085216	46.277	79.419	13.134	0.165	-2.596	0.000	0.001
FBgn0032253	56.036	96.146	15.926	0.166	-2.594	0.000	0.000
FBgn0262979	8.420	14.445	2.394	0.166	-2.593	0.011	0.037
FBgn0033459	13.318	22.846	3.790	0.166	-2.592	0.001	0.005
FBgn0029121	79.603	136.531	22.675	0.166	-2.590	0.000	0.000
FBgn0039050	20.528	35.204	5.852	0.166	-2.589	0.000	0.001
FBgn0043025	6.174	10.586	1.762	0.166	-2.587	0.014	0.046
FBgn0035957	18.944	32.468	5.419	0.167	-2.583	0.000	0.002
FBgn0261402	113.143	193.900	32.386	0.167	-2.582	0.000	0.000
FBgn0030985	1249.009	2140.404	357.613	0.167	-2.581	0.000	0.000
FBgn0037513	846.765	1451.084	242.446	0.167	-2.581	0.000	0.000
FBgn0003943	970.892	1663.392	278.391	0.167	-2.579	0.000	0.000
FBgn0053095	272.599	467.001	78.197	0.167	-2.578	0.000	0.000
FBgn0262518	1257.992	2155.041	360.943	0.167	-2.578	0.000	0.000
FBgn0036959	49.122	84.146	14.098	0.168	-2.577	0.000	0.000
FBgn0030048	17.942	30.730	5.154	0.168	-2.576	0.001	0.003
FBgn0039311	408.135	698.897	117.373	0.168	-2.574	0.000	0.000
FBgn0040373	12.236	20.948	3.524	0.168	-2.571	0.002	0.010
FBgn0035791	293.800	502.749	84.851	0.169	-2.567	0.000	0.000
FBgn0032381	25.441	43.534	7.349	0.169	-2.567	0.002	0.008
FBgn0050007	62.069	106.184	17.954	0.169	-2.564	0.000	0.000
FBgn0032218	262.042	448.246	75.838	0.169	-2.563	0.000	0.000
FBgn0034177	60.357	103.225	17.489	0.169	-2.561	0.000	0.000
FBgn0036876	1571.914	2688.001	455.827	0.170	-2.560	0.000	0.000
FBgn0038292	48.230	82.463	13.997	0.170	-2.559	0.000	0.000
FBgn0032472	1506.214	2575.186	437.243	0.170	-2.558	0.000	0.000
FBgn0005655	74.857	127.970	21.743	0.170	-2.557	0.000	0.000
FBgn0053514	8.696	14.866	2.526	0.170	-2.557	0.011	0.038

FBgn0034176	304.713	520.783	88.644	0.170	-2.555	0.000	0.000
FBgn0034511	822.216	1404.582	239.850	0.171	-2.550	0.000	0.000
FBgn0036640	27.997	47.814	8.179	0.171	-2.547	0.001	0.006
FBgn0052113	272.474	465.051	79.896	0.172	-2.541	0.000	0.000
FBgn0040805	159.855	272.831	46.879	0.172	-2.541	0.000	0.000
FBgn0033354	50.225	85.720	14.729	0.172	-2.541	0.000	0.000
FBgn0039270	323.619	552.316	94.923	0.172	-2.541	0.000	0.000
FBgn0037789	33.525	57.209	9.841	0.172	-2.539	0.000	0.000
FBgn0029506	1362.369	2324.223	400.514	0.172	-2.537	0.000	0.000
FBgn0261976	193.593	330.263	56.924	0.172	-2.536	0.000	0.000
FBgn0260744	1611.224	2748.102	474.346	0.173	-2.534	0.000	0.000
FBgn0031479	106.420	181.487	31.353	0.173	-2.533	0.000	0.000
FBgn0029710	104.786	178.617	30.955	0.173	-2.529	0.000	0.000
FBgn0033979	29.359	50.040	8.678	0.173	-2.528	0.015	0.047
FBgn0011335	314.696	536.326	93.065	0.174	-2.527	0.000	0.000
FBgn0039924	514.225	875.674	152.775	0.174	-2.519	0.000	0.000
FBgn0038608	8.034	13.675	2.394	0.175	-2.514	0.010	0.034
FBgn0038110	520.310	885.445	155.175	0.175	-2.513	0.000	0.000
FBgn0051704	88.966	151.334	26.597	0.176	-2.508	0.000	0.000
FBgn0035073	146.439	249.087	43.790	0.176	-2.508	0.000	0.000
FBgn0262598	15.342	26.096	4.589	0.176	-2.508	0.001	0.007
FBgn0039165	239.736	407.720	71.752	0.176	-2.506	0.000	0.000
FBgn0051014	15.325	26.062	4.589	0.176	-2.506	0.003	0.013
FBgn0030334	426.639	725.372	127.905	0.176	-2.504	0.000	0.000
FBgn0013563	171.806	291.977	51.635	0.177	-2.499	0.000	0.000
FBgn0052281	119.605	203.168	36.043	0.177	-2.495	0.000	0.000
FBgn0058042	397.783	675.644	119.922	0.177	-2.494	0.000	0.000
FBgn0034705	130.083	220.930	39.236	0.178	-2.493	0.000	0.000
FBgn0039315	24.655	41.863	7.447	0.178	-2.491	0.000	0.002
FBgn0052038	169.141	287.146	51.136	0.178	-2.489	0.000	0.000
FBgn0050428	164.642	279.415	49.869	0.178	-2.486	0.000	0.000
FBgn0026432	176.777	299.924	53.630	0.179	-2.483	0.000	0.000
FBgn0263336	99.381	168.570	30.191	0.179	-2.481	0.000	0.000
FBgn0039244	110.329	187.110	33.548	0.179	-2.480	0.000	0.000

FBgn0032603	179.053	303.177	54.928	0.181	-2.465	0.000	0.000
FBgn0260763	23.396	39.611	7.181	0.181	-2.464	0.000	0.001
FBgn0038324	88.864	150.429	27.298	0.181	-2.462	0.000	0.000
FBgn0038766	49.252	83.342	15.162	0.182	-2.459	0.000	0.000
FBgn0010173	667.960	1130.107	205.812	0.182	-2.457	0.000	0.000
FBgn0032079	137.041	231.824	42.258	0.182	-2.456	0.000	0.000
FBgn0001612	180.977	306.061	55.892	0.183	-2.453	0.000	0.000
FBgn0051658	15.070	25.485	4.655	0.183	-2.453	0.003	0.012
FBgn0033138	13.421	22.686	4.156	0.183	-2.449	0.010	0.034
FBgn0038463	495.959	837.374	154.544	0.185	-2.438	0.000	0.000
FBgn0031776	356.388	601.720	111.057	0.185	-2.438	0.000	0.000
FBgn0261241	217.002	366.140	67.864	0.185	-2.432	0.000	0.000
FBgn0036908	624.314	1053.141	195.487	0.186	-2.430	0.000	0.000
FBgn0039115	173.440	292.386	54.493	0.186	-2.424	0.000	0.000
FBgn0058198	21.635	36.454	6.815	0.187	-2.419	0.000	0.001
FBgn0243513	40.409	68.085	12.733	0.187	-2.419	0.000	0.000
FBgn0263608	13.179	22.202	4.156	0.187	-2.417	0.001	0.003
FBgn0032266	63.291	106.601	19.981	0.187	-2.416	0.000	0.000
FBgn0031419	29.270	49.296	9.244	0.188	-2.415	0.000	0.000
FBgn0037288	1431.937	2411.000	452.874	0.188	-2.412	0.000	0.000
FBgn0035975	1066.232	1795.207	337.257	0.188	-2.412	0.000	0.000
FBgn0032484	132.762	223.464	42.059	0.188	-2.410	0.000	0.000
FBgn0032845	301.888	508.016	95.759	0.188	-2.407	0.000	0.000
FBgn0029990	20986.363	35312.113	6660.613	0.189	-2.406	0.000	0.000
FBgn0030480	51.814	87.172	16.457	0.189	-2.405	0.000	0.000
FBgn0032243	132.296	222.534	42.059	0.189	-2.404	0.000	0.000
FBgn0028940	881.913	1483.413	280.413	0.189	-2.403	0.000	0.000
FBgn0035968	105.811	177.906	33.716	0.190	-2.400	0.000	0.000
FBgn0038821	18.356	30.860	5.852	0.190	-2.399	0.001	0.004
FBgn0033540	193.032	324.386	61.677	0.190	-2.395	0.000	0.000
FBgn0038765	57.958	97.396	18.519	0.190	-2.395	0.000	0.000
FBgn0039234	444.923	747.578	142.268	0.190	-2.394	0.000	0.000
FBgn0026148	72.953	122.565	23.341	0.190	-2.393	0.000	0.000
FBgn0027584	670.853	1126.951	214.756	0.191	-2.392	0.000	0.000

FBgn0002873	21.040	35.330	6.749	0.191	-2.388	0.001	0.004
FBgn0030157	2108.192	3539.815	676.568	0.191	-2.387	0.000	0.000
FBgn0036770	355.015	596.081	113.949	0.191	-2.387	0.000	0.000
FBgn0039897	433.393	727.113	139.673	0.192	-2.380	0.001	0.006
FBgn0039485	81.235	136.270	26.199	0.192	-2.379	0.000	0.000
FBgn0086558	5590.140	9369.748	1810.533	0.193	-2.372	0.000	0.000
FBgn0039312	256.518	429.915	83.121	0.193	-2.371	0.000	0.000
FBgn0039945	130.204	218.182	42.227	0.194	-2.369	0.002	0.009
FBgn0264510	13.019	21.815	4.222	0.194	-2.369	0.008	0.029
FBgn0037108	623.963	1045.466	202.461	0.194	-2.368	0.000	0.000
FBgn0035703	100.925	169.066	32.784	0.194	-2.367	0.000	0.000
FBgn0032955	1021.113	1709.803	332.422	0.194	-2.363	0.000	0.000
FBgn0025806	259.755	434.895	84.615	0.195	-2.362	0.000	0.000
FBgn0003041	133.159	222.895	43.424	0.195	-2.360	0.000	0.000
FBgn0034452	133.690	223.758	43.623	0.195	-2.359	0.000	0.000
FBgn0031232	65.309	109.303	21.314	0.195	-2.358	0.000	0.000
FBgn0015336	12.890	21.558	4.222	0.196	-2.352	0.003	0.012
FBgn0039908	1812.959	3030.515	595.403	0.196	-2.348	0.000	0.000
FBgn0036906	113.883	190.330	37.436	0.197	-2.346	0.000	0.000
FBgn0037490	80.290	134.115	26.465	0.197	-2.341	0.000	0.000
FBgn0026393	146.121	244.062	48.180	0.197	-2.341	0.000	0.001
FBgn0035977	147.237	245.897	48.578	0.198	-2.340	0.000	0.000
FBgn0037548	92.890	155.093	30.687	0.198	-2.337	0.000	0.000
FBgn0033981	224.521	374.869	74.174	0.198	-2.337	0.000	0.000
FBgn0035760	60.172	100.460	19.883	0.198	-2.337	0.000	0.001
FBgn0050062	33.305	55.605	11.006	0.198	-2.337	0.000	0.000
FBgn0029765	1527.198	2547.620	506.775	0.199	-2.330	0.000	0.000
FBgn0050051	32.433	54.094	10.772	0.199	-2.328	0.000	0.000
FBgn0034631	115.439	192.507	38.371	0.199	-2.327	0.000	0.000
FBgn0052040	30.266	50.457	10.074	0.200	-2.324	0.000	0.001
FBgn0051643	98.137	163.590	32.683	0.200	-2.323	0.000	0.000
FBgn0030744	251.080	418.205	83.954	0.201	-2.317	0.000	0.000
FBgn0004435	8374.912	13947.018	2802.806	0.201	-2.315	0.000	0.000
FBgn0015926	19.152	31.887	6.417	0.201	-2.313	0.003	0.014

FBgn0034321	43.724	72.786	14.663	0.201	-2.311	0.000	0.000
FBgn0003701	17.842	29.699	5.985	0.202	-2.311	0.003	0.011
FBgn0026257	28.906	48.105	9.708	0.202	-2.309	0.000	0.000
FBgn0034050	302.222	502.932	101.513	0.202	-2.309	0.000	0.000
FBgn0032217	173.779	289.107	58.450	0.202	-2.306	0.000	0.000
FBgn0051159	125.884	209.410	42.359	0.202	-2.306	0.000	0.000
FBgn0038252	25.672	42.700	8.644	0.202	-2.305	0.000	0.003
FBgn0039684	15.643	25.999	5.287	0.203	-2.298	0.000	0.001
FBgn0261387	291.428	484.176	98.681	0.204	-2.295	0.000	0.000
FBgn0050491	280.623	466.220	95.027	0.204	-2.295	0.000	0.000
FBgn0036356	102.743	170.640	34.846	0.204	-2.292	0.000	0.000
FBgn0041087	306.047	508.061	104.034	0.205	-2.288	0.000	0.000
FBgn0260962	494.427	820.614	168.240	0.205	-2.286	0.000	0.000
FBgn0052055	10.613	17.568	3.657	0.208	-2.264	0.014	0.046
FBgn0016983	899.020	1488.182	309.857	0.208	-2.264	0.000	0.000
FBgn0034726	315.839	522.618	109.061	0.209	-2.261	0.001	0.003
FBgn0065098	2514.851	4158.942	870.761	0.209	-2.256	0.000	0.000
FBgn0038545	147.281	243.556	51.006	0.209	-2.256	0.001	0.006
FBgn0030693	478.327	790.911	165.742	0.210	-2.255	0.000	0.000
FBgn0033834	13.412	22.169	4.655	0.210	-2.252	0.010	0.034
FBgn0083027	114.724	189.615	39.833	0.210	-2.251	0.000	0.000
FBgn0011660	97.525	161.171	33.880	0.210	-2.250	0.000	0.000
FBgn0000351	24.108	39.838	8.378	0.210	-2.249	0.000	0.001
FBgn0033757	397.699	656.647	138.750	0.211	-2.243	0.000	0.000
FBgn0031999	247.209	408.137	86.282	0.211	-2.242	0.000	0.000
FBgn0037687	225.985	372.903	79.066	0.212	-2.238	0.000	0.000
FBgn0039298	694.576	1145.677	243.476	0.213	-2.234	0.000	0.000
FBgn0037756	653.300	1077.577	229.024	0.213	-2.234	0.000	0.000
FBgn0261530	301.007	496.455	105.559	0.213	-2.234	0.000	0.000
FBgn0024698	110.076	181.449	38.702	0.213	-2.229	0.000	0.000
FBgn0039874	113.539	187.081	39.997	0.214	-2.226	0.000	0.000
FBgn0032956	799.073	1316.357	281.789	0.214	-2.224	0.000	0.000
FBgn0031213	478.397	787.960	168.834	0.214	-2.223	0.000	0.000
FBgn0261403	509.453	838.933	179.973	0.215	-2.221	0.000	0.000



FBgn0038788	755.105	1243.281	266.930	0.215	-2.220	0.000	0.000
FBgn0051864	17.102	28.154	6.051	0.215	-2.218	0.002	0.008
FBgn0259152	217.370	357.802	76.937	0.215	-2.217	0.000	0.000
FBgn0031881	219.836	361.838	77.834	0.215	-2.217	0.000	0.000
FBgn0032704	1999.187	3290.073	708.300	0.215	-2.216	0.000	0.000
FBgn0034972	150.666	247.803	53.529	0.216	-2.211	0.000	0.000
FBgn0010389	327.999	539.464	116.533	0.216	-2.211	0.000	0.000
FBgn0003353	613.528	1008.684	218.372	0.216	-2.208	0.000	0.000
FBgn0027578	836.055	1374.174	297.937	0.217	-2.205	0.000	0.000
FBgn0083123	265.327	436.097	94.556	0.217	-2.205	0.000	0.000
FBgn0029167	3540.655	5818.347	1262.963	0.217	-2.204	0.000	0.000
FBgn0034541	28.609	47.010	10.207	0.217	-2.203	0.000	0.001
FBgn0036121	316.555	520.162	112.949	0.217	-2.203	0.000	0.000
FBgn0029664	467.037	767.369	166.706	0.217	-2.203	0.000	0.000
FBgn0033608	1588.395	2609.314	567.476	0.217	-2.201	0.001	0.005
FBgn0026060	123.179	202.334	44.024	0.218	-2.200	0.000	0.000
FBgn0033755	514.484	844.774	184.195	0.218	-2.197	0.000	0.000
FBgn0027103	367.543	603.388	131.698	0.218	-2.196	0.000	0.000
FBgn0013772	100.751	165.392	36.109	0.218	-2.195	0.000	0.000
FBgn0037338	84.081	138.005	30.157	0.219	-2.194	0.000	0.000
FBgn0003023	16.491	27.064	5.918	0.219	-2.193	0.009	0.033
FBgn0033086	756.218	1240.866	271.570	0.219	-2.192	0.000	0.000
FBgn0038421	503.828	826.252	181.403	0.220	-2.187	0.000	0.000
FBgn0047133	70.135	115.002	25.268	0.220	-2.186	0.001	0.006
FBgn0262563	891.948	1462.224	321.671	0.220	-2.185	0.003	0.012
FBgn0029856	168.760	276.639	60.881	0.220	-2.184	0.000	0.001
FBgn0051108	172.408	282.609	62.208	0.220	-2.184	0.000	0.000
FBgn0037583	86.753	142.188	31.319	0.220	-2.183	0.000	0.000
FBgn0037371	211.994	347.452	76.536	0.220	-2.183	0.000	0.000
FBgn0029733	21.992	36.037	7.946	0.220	-2.181	0.001	0.006
FBgn0261815	71.190	116.547	25.833	0.222	-2.174	0.000	0.000
FBgn0264427	20.230	33.112	7.349	0.222	-2.172	0.002	0.010
FBgn0033557	156.008	255.262	56.754	0.222	-2.169	0.000	0.000
FBgn0032790	153.906	251.819	55.993	0.222	-2.169	0.000	0.000

FBgn0036579	395.970	647.468	144.472	0.223	-2.164	0.000	0.000
FBgn0027521	20.635	33.722	7.548	0.224	-2.160	0.005	0.018
FBgn0037046	71.191	116.316	26.067	0.224	-2.158	0.000	0.000
FBgn0086251	94.109	153.738	34.480	0.224	-2.157	0.000	0.000
FBgn0033113	52.437	85.657	19.217	0.224	-2.156	0.000	0.000
FBgn0036581	283.220	462.505	103.936	0.225	-2.154	0.000	0.000
FBgn0037755	717.472	1171.170	263.775	0.225	-2.151	0.000	0.000
FBgn0037435	94.534	154.289	34.780	0.225	-2.149	0.000	0.000
FBgn0028562	34.263	55.891	12.635	0.226	-2.145	0.000	0.001
FBgn0031548	32.434	52.899	11.969	0.226	-2.144	0.000	0.000
FBgn0023541	113.554	185.149	41.958	0.227	-2.142	0.000	0.000
FBgn0039462	30.135	49.132	11.139	0.227	-2.141	0.001	0.007
FBgn0033348	40.026	65.256	14.796	0.227	-2.141	0.000	0.000
FBgn0039609	661.430	1078.273	244.586	0.227	-2.140	0.000	0.000
FBgn0050476	244.855	399.140	90.570	0.227	-2.140	0.000	0.000
FBgn0036225	56.390	91.899	20.881	0.227	-2.138	0.000	0.000
FBgn0033395	39.232	63.935	14.530	0.227	-2.138	0.000	0.001
FBgn0262526	23.760	38.710	8.811	0.228	-2.135	0.002	0.011
FBgn0004240	2713.347	4419.591	1007.103	0.228	-2.134	0.001	0.003
FBgn0037489	224.572	365.623	83.522	0.228	-2.130	0.000	0.000
FBgn0027052	173.711	282.423	65.000	0.230	-2.119	0.000	0.000
FBgn0062978	1421.674	2311.138	532.209	0.230	-2.119	0.000	0.000
FBgn0036839	29.022	47.170	10.873	0.231	-2.117	0.000	0.000
FBgn0032116	72.237	117.410	27.065	0.231	-2.117	0.000	0.000
FBgn0083973	25.899	42.090	9.708	0.231	-2.116	0.000	0.002
FBgn0259482	103.430	167.994	38.867	0.231	-2.112	0.000	0.000
FBgn0038654	149.294	242.362	56.226	0.232	-2.108	0.000	0.000
FBgn0034439	177.260	287.726	66.794	0.232	-2.107	0.000	0.000
FBgn0032074	13.661	22.169	5.154	0.232	-2.105	0.008	0.030
FBgn0015039	1211.918	1966.320	457.517	0.233	-2.104	0.000	0.000
FBgn0035721	142.561	231.292	53.829	0.233	-2.103	0.000	0.000
FBgn0031598	355.433	576.543	134.323	0.233	-2.102	0.000	0.000
FBgn0051371	43.383	70.340	16.425	0.234	-2.098	0.000	0.000
FBgn0037911	222.493	360.736	84.251	0.234	-2.098	0.000	0.000

FBgn0037556	968.967	1570.968	366.966	0.234	-2.098	0.000	0.000
FBgn0036615	253.092	410.329	95.854	0.234	-2.098	0.000	0.000
FBgn0039291	50.715	82.214	19.217	0.234	-2.097	0.000	0.000
FBgn0033633	25.706	41.669	9.743	0.234	-2.097	0.000	0.002
FBgn0051769	1892.951	3068.063	717.839	0.234	-2.096	0.000	0.001
FBgn0015582	183.586	297.449	69.724	0.234	-2.093	0.000	0.000
FBgn0030757	327.184	529.950	124.419	0.235	-2.091	0.000	0.000
FBgn0033996	338.945	548.553	129.336	0.236	-2.085	0.000	0.000
FBgn0037815	132.776	214.881	50.671	0.236	-2.084	0.000	0.000
FBgn0043578	2044.941	3308.582	781.301	0.236	-2.082	0.000	0.000
FBgn0033810	420.383	679.978	160.787	0.236	-2.080	0.001	0.003
FBgn0036715	100.467	162.500	38.434	0.237	-2.080	0.000	0.000
FBgn0035122	549.947	889.384	210.511	0.237	-2.079	0.001	0.005
FBgn0058378	41.540	67.154	15.926	0.237	-2.076	0.000	0.000
FBgn0034405	2960.266	4785.177	1135.356	0.237	-2.075	0.000	0.000
FBgn0039916	275.767	445.640	105.894	0.238	-2.073	0.000	0.000
FBgn0033605	180.768	291.910	69.626	0.239	-2.068	0.000	0.000
FBgn0032008	1388.436	2241.646	535.227	0.239	-2.066	0.000	0.000
FBgn0033437	457.480	738.474	176.486	0.239	-2.065	0.000	0.000
FBgn0005390	20.237	32.662	7.813	0.239	-2.064	0.002	0.009
FBgn0036790	124.446	200.778	48.113	0.240	-2.061	0.000	0.001
FBgn0031143	547.020	882.442	211.597	0.240	-2.060	0.000	0.000
FBgn0005666	1658.817	2675.623	642.012	0.240	-2.059	0.000	0.000
FBgn0051368	249.109	401.761	96.457	0.240	-2.058	0.000	0.000
FBgn0052195	74.133	119.506	28.761	0.241	-2.055	0.000	0.000
FBgn0038076	14.279	23.006	5.552	0.241	-2.051	0.013	0.043
FBgn0024491	406.782	655.389	158.175	0.241	-2.051	0.000	0.000
FBgn0052350	135.425	218.119	52.731	0.242	-2.048	0.000	0.001
FBgn0038909	23.039	37.069	9.010	0.243	-2.041	0.001	0.007
FBgn0024196	943.592	1517.955	369.228	0.243	-2.040	0.000	0.000
FBgn0011693	37201.922	59811.261	14592.583	0.244	-2.035	0.000	0.000
FBgn0037647	183.701	295.252	72.149	0.244	-2.033	0.000	0.000
FBgn0038303	509.317	818.381	200.254	0.245	-2.031	0.000	0.000
FBgn0027783	448.101	719.852	176.350	0.245	-2.029	0.000	0.000

FBgn0002736	590.536	948.498	232.574	0.245	-2.028	0.000	0.000
FBgn0085220	833.162	1337.962	328.363	0.245	-2.027	0.008	0.029
FBgn0052803	424.134	681.083	167.185	0.245	-2.026	0.000	0.001
FBgn0264703	22.183	35.621	8.745	0.245	-2.026	0.001	0.006
FBgn0029508	88.262	141.712	34.812	0.246	-2.025	0.000	0.000
FBgn0015614	1694.652	2719.993	669.312	0.246	-2.023	0.000	0.000
FBgn0042178	30.132	48.361	11.903	0.246	-2.023	0.002	0.007
FBgn0035710	950.221	1524.533	375.909	0.247	-2.020	0.000	0.000
FBgn0032224	79.728	127.903	31.552	0.247	-2.019	0.000	0.000
FBgn0015925	129.922	208.408	51.436	0.247	-2.019	0.000	0.000
FBgn0032843	35.250	56.535	13.965	0.247	-2.017	0.003	0.011
FBgn0037634	54.696	87.715	21.677	0.247	-2.017	0.000	0.000
FBgn0024913	438.309	702.566	174.051	0.248	-2.013	0.000	0.000
FBgn0034154	76.442	122.528	30.355	0.248	-2.013	0.000	0.000
FBgn0261446	27.413	43.921	10.905	0.248	-2.010	0.012	0.040
FBgn0036627	116.486	186.593	46.380	0.249	-2.008	0.000	0.000
FBgn0031894	50.827	81.373	20.281	0.249	-2.004	0.000	0.000
FBgn0039132	444.605	711.574	177.636	0.250	-2.002	0.000	0.000
FBgn0051300	113.254	181.256	45.252	0.250	-2.002	0.000	0.000
FBgn0038889	235.217	376.439	93.994	0.250	-2.002	0.000	0.000
FBgn0011703	54.749	87.618	21.879	0.250	-2.002	0.000	0.000
FBgn0028961	150.674	241.070	60.278	0.250	-2.000	0.000	0.000
FBgn0036150	38.393	61.426	15.361	0.250	-2.000	0.001	0.005
FBgn0035623	46.492	74.364	18.620	0.250	-1.998	0.001	0.007
FBgn0031676	74.712	119.502	29.923	0.250	-1.998	0.000	0.000
FBgn0027053	422.090	674.711	169.469	0.251	-1.993	0.000	0.000
FBgn0034387	712.357	1138.556	286.159	0.251	-1.992	0.000	0.000
FBgn0262512	2161.403	3454.430	868.376	0.251	-1.992	0.000	0.000
FBgn0034076	54.267	86.722	21.813	0.252	-1.991	0.001	0.004
FBgn0085224	100.643	160.821	40.464	0.252	-1.991	0.000	0.000
FBgn0043853	131.119	209.510	52.728	0.252	-1.990	0.000	0.000
FBgn0041710	92.836	148.333	37.338	0.252	-1.990	0.000	0.000
FBgn0036433	556.202	888.512	223.892	0.252	-1.989	0.000	0.000
FBgn0027565	691.304	1103.087	279.522	0.253	-1.981	0.000	0.000

FBgn0041579	4529.761	7226.763	1832.758	0.254	-1.979	0.006	0.023
FBgn0053126	628.166	1001.631	254.701	0.254	-1.975	0.000	0.000
FBgn0033806	113.084	180.284	45.884	0.255	-1.974	0.000	0.000
FBgn0032876	1040.273	1658.061	422.485	0.255	-1.973	0.000	0.000
FBgn0041181	622.144	991.536	252.751	0.255	-1.972	0.000	0.000
FBgn0039965	520.268	828.538	211.998	0.256	-1.967	0.000	0.000
FBgn0032251	27.659	44.047	11.271	0.256	-1.966	0.006	0.022
FBgn0033029	1200.868	1912.017	489.720	0.256	-1.965	0.000	0.000
FBgn0037045	204.330	325.309	83.351	0.256	-1.965	0.000	0.001
FBgn0051288	65.364	104.029	26.698	0.257	-1.962	0.000	0.000
FBgn0051921	21.557	34.303	8.811	0.257	-1.961	0.002	0.011
FBgn0032652	4741.071	7543.774	1938.369	0.257	-1.960	0.000	0.000
FBgn0032974	669.478	1064.959	273.998	0.257	-1.959	0.000	0.000
FBgn0053145	218.881	348.092	89.671	0.258	-1.957	0.000	0.000
FBgn0031886	18.576	29.539	7.614	0.258	-1.956	0.006	0.024
FBgn0041004	547.662	870.832	224.492	0.258	-1.956	0.000	0.003
FBgn0038195	1588.503	2524.807	652.200	0.258	-1.953	0.000	0.000
FBgn0038390	32.457	51.581	13.333	0.258	-1.952	0.001	0.003
FBgn0030641	92.460	146.915	38.004	0.259	-1.951	0.001	0.003
FBgn0037184	172.839	274.624	71.054	0.259	-1.950	0.000	0.000
FBgn0034032	199.096	316.268	81.924	0.259	-1.949	0.000	0.000
FBgn0039714	994.431	1579.381	409.480	0.259	-1.947	0.000	0.000
FBgn0032924	636.858	1011.305	262.411	0.259	-1.946	0.000	0.000
FBgn0010197	41.688	66.187	17.189	0.260	-1.945	0.000	0.001
FBgn0263738	238.009	377.869	98.150	0.260	-1.945	0.000	0.001
FBgn0051032	50.029	79.411	20.648	0.260	-1.943	0.000	0.000
FBgn0040211	805.458	1278.292	332.624	0.260	-1.942	0.000	0.000
FBgn0032398	866.696	1375.112	358.281	0.261	-1.940	0.000	0.000
FBgn0259214	2572.838	4081.587	1064.088	0.261	-1.940	0.000	0.000
FBgn0039904	729.944	1157.956	301.931	0.261	-1.939	0.000	0.000
FBgn0039004	161.417	256.040	66.794	0.261	-1.939	0.000	0.000
FBgn0262286	23.534	37.325	9.743	0.261	-1.938	0.013	0.044
FBgn0022029	641.102	1016.743	265.462	0.261	-1.937	0.000	0.000
FBgn0046878	277.568	440.166	114.970	0.261	-1.937	0.000	0.000

FBgn0051955	79.265	125.647	32.882	0.262	-1.934	0.001	0.003
FBgn0032880	1035.311	1641.120	429.502	0.262	-1.934	0.000	0.000
FBgn0038051	23.080	36.585	9.575	0.262	-1.934	0.001	0.006
FBgn0039703	2226.884	3529.608	924.159	0.262	-1.933	0.000	0.000
FBgn0031734	1774.620	2812.765	736.474	0.262	-1.933	0.000	0.000
FBgn0052438	198.011	313.763	82.258	0.262	-1.931	0.000	0.000
FBgn0038366	96.780	153.329	40.231	0.262	-1.930	0.000	0.000
FBgn0033554	89.313	141.485	37.142	0.263	-1.930	0.003	0.012
FBgn0259112	50.473	79.865	21.080	0.264	-1.922	0.000	0.000
FBgn0038484	41.855	66.224	17.486	0.264	-1.921	0.015	0.047
FBgn0028539	992.311	1569.681	414.940	0.264	-1.919	0.000	0.000
FBgn0014018	1194.364	1889.184	499.544	0.264	-1.919	0.000	0.000
FBgn0037396	266.989	422.191	111.786	0.265	-1.917	0.000	0.000
FBgn0003891	5015.645	7929.426	2101.864	0.265	-1.916	0.000	0.000
FBgn0002901	47.021	74.327	19.716	0.265	-1.915	0.000	0.000
FBgn0031678	26.501	41.863	11.139	0.266	-1.910	0.001	0.006
FBgn0016726	26224.574	41424.056	11025.092	0.266	-1.910	0.000	0.001
FBgn0039687	83.405	131.733	35.077	0.266	-1.909	0.000	0.000
FBgn0036993	840.843	1327.532	354.154	0.267	-1.906	0.000	0.000
FBgn0010424	162.555	256.617	68.492	0.267	-1.906	0.000	0.000
FBgn0013997	852.906	1346.328	359.484	0.267	-1.905	0.000	0.000
FBgn0038965	686.432	1083.365	289.498	0.267	-1.904	0.000	0.000
FBgn0035104	36.254	57.213	15.295	0.267	-1.903	0.000	0.001
FBgn0032436	16.862	26.609	7.115	0.267	-1.903	0.006	0.024
FBgn0032016	156.482	246.865	66.099	0.268	-1.901	0.000	0.000
FBgn0027620	553.676	872.678	234.673	0.269	-1.895	0.000	0.000
FBgn0027082	122.403	192.872	51.935	0.269	-1.893	0.000	0.000
FBgn0039650	43.335	68.249	18.421	0.270	-1.889	0.004	0.018
FBgn0250907	48.711	76.709	20.714	0.270	-1.889	0.000	0.001
FBgn0032015	579.561	912.583	246.539	0.270	-1.888	0.000	0.000
FBgn0041164	101.522	159.853	43.190	0.270	-1.888	0.000	0.000
FBgn0032242	550.774	867.140	234.408	0.270	-1.887	0.000	0.000
FBgn0002021	409.866	645.176	174.556	0.271	-1.886	0.000	0.000
FBgn0051495	53.461	84.079	22.842	0.272	-1.880	0.000	0.000

FBgn0002780	942.286	1481.463	403.110	0.272	-1.878	0.000	0.000
FBgn0052856	144.929	227.849	62.009	0.272	-1.878	0.000	0.000
FBgn0028647	310.579	488.099	133.059	0.273	-1.875	0.000	0.000
FBgn0039265	573.015	900.382	245.648	0.273	-1.874	0.000	0.000
FBgn0039711	172.314	270.553	74.076	0.274	-1.869	0.000	0.000
FBgn0037022	239.592	376.149	103.036	0.274	-1.868	0.000	0.000
FBgn0037679	421.951	662.293	181.608	0.274	-1.867	0.000	0.000
FBgn0033945	37.992	59.624	16.359	0.274	-1.866	0.001	0.003
FBgn0033067	1222.895	1918.784	527.005	0.275	-1.864	0.002	0.009
FBgn0034248	2029.667	3184.457	874.878	0.275	-1.864	0.000	0.000
FBgn0038235	68.625	107.658	29.591	0.275	-1.863	0.001	0.005
FBgn0037842	328.234	514.868	141.599	0.275	-1.862	0.000	0.001
FBgn0052412	440.669	691.130	190.208	0.275	-1.861	0.000	0.000
FBgn0032780	51.634	80.960	22.309	0.276	-1.860	0.000	0.000
FBgn0032124	22.001	34.493	9.509	0.276	-1.859	0.002	0.008
FBgn0031227	20.689	32.434	8.944	0.276	-1.859	0.005	0.020
FBgn0039932	109.427	171.507	47.346	0.276	-1.857	0.000	0.000
FBgn0000592	3030.358	4748.819	1311.897	0.276	-1.856	0.000	0.000
FBgn0039630	24.172	37.872	10.472	0.277	-1.855	0.004	0.017
FBgn0051436	171.288	268.360	74.215	0.277	-1.854	0.000	0.000
FBgn0036501	887.226	1389.918	384.533	0.277	-1.854	0.000	0.003
FBgn0034527	298.810	468.048	129.573	0.277	-1.853	0.000	0.000
FBgn0034143	300.602	470.829	130.375	0.277	-1.853	0.000	0.000
FBgn0024806	1280.950	2004.630	557.269	0.278	-1.847	0.000	0.000
FBgn0019650	1277.429	1998.903	555.954	0.278	-1.846	0.000	0.000
FBgn0032198	1690.685	2645.427	735.944	0.278	-1.846	0.000	0.000
FBgn0032482	2272.934	3556.346	989.522	0.278	-1.846	0.000	0.000
FBgn0052218	96.012	150.198	41.826	0.278	-1.844	0.001	0.007
FBgn0261843	28.288	44.241	12.335	0.279	-1.843	0.002	0.008
FBgn0028992	349.246	546.175	152.317	0.279	-1.842	0.000	0.000
FBgn0039640	220.422	344.686	96.157	0.279	-1.842	0.000	0.000
FBgn0015576	1626.752	2542.755	710.748	0.280	-1.839	0.000	0.000
FBgn0263415	22.052	34.463	9.642	0.280	-1.838	0.003	0.014
FBgn0028552	1394.908	2179.213	610.602	0.280	-1.836	0.000	0.000

FBgn0030217	125.588	196.185	54.992	0.280	-1.835	0.000	0.000
FBgn0010317	31.660	49.456	13.864	0.280	-1.835	0.001	0.003
FBgn0039326	95.285	148.843	41.728	0.280	-1.835	0.000	0.001
FBgn0015572	32.342	50.520	14.164	0.280	-1.835	0.001	0.004
FBgn0085435	40.249	62.840	17.657	0.281	-1.831	0.003	0.013
FBgn0001234	1632.023	2548.049	715.997	0.281	-1.831	0.000	0.000
FBgn0000147	78.538	122.565	34.512	0.282	-1.828	0.000	0.000
FBgn0036101	91.612	142.962	40.262	0.282	-1.828	0.000	0.000
FBgn0032683	218.777	341.399	96.154	0.282	-1.828	0.000	0.000
FBgn0034689	564.071	880.141	248.001	0.282	-1.827	0.000	0.000
FBgn0011802	83.477	130.248	36.706	0.282	-1.827	0.001	0.004
FBgn0038972	351.969	549.138	154.800	0.282	-1.827	0.000	0.000
FBgn0026620	2033.356	3172.129	894.583	0.282	-1.826	0.000	0.000
FBgn0034008	143.497	223.754	63.240	0.283	-1.823	0.000	0.000
FBgn0037028	1432.679	2233.548	631.811	0.283	-1.822	0.000	0.000
FBgn0051739	694.597	1082.181	307.013	0.284	-1.818	0.000	0.000
FBgn0032168	187.191	291.292	83.089	0.285	-1.810	0.000	0.000
FBgn0037012	78.378	121.914	34.843	0.286	-1.807	0.000	0.000
FBgn0040011	510.915	794.435	227.394	0.286	-1.805	0.000	0.000
FBgn0035842	98.670	153.418	43.923	0.286	-1.804	0.000	0.000
FBgn0001086	27.161	42.220	12.102	0.287	-1.803	0.008	0.030
FBgn0259247	139.639	217.036	62.243	0.287	-1.802	0.000	0.000
FBgn0260460	384.874	598.151	171.597	0.287	-1.801	0.000	0.000
FBgn0032387	18.329	28.478	8.179	0.287	-1.800	0.005	0.019
FBgn0038419	16.465	25.582	7.349	0.287	-1.800	0.015	0.048
FBgn0039907	1188.139	1844.602	531.675	0.288	-1.795	0.000	0.000
FBgn0038772	81.347	126.287	36.406	0.288	-1.794	0.001	0.005
FBgn0033762	675.159	1047.625	302.693	0.289	-1.791	0.000	0.000
FBgn0036462	352.857	547.314	158.400	0.289	-1.789	0.000	0.000
FBgn0033031	212.753	329.980	95.525	0.289	-1.788	0.001	0.004
FBgn0263110	1916.108	2971.074	861.142	0.290	-1.787	0.000	0.000
FBgn0035213	377.778	585.689	169.867	0.290	-1.786	0.000	0.000
FBgn0039637	1278.860	1982.176	575.544	0.290	-1.784	0.000	0.000
FBgn0039111	197.074	305.399	88.748	0.291	-1.783	0.000	0.001



FBgn0011829	56.917	88.166	25.669	0.291	-1.780	0.000	0.001
FBgn0038960	18.265	28.284	8.246	0.292	-1.778	0.011	0.038
FBgn0037000	111.779	173.019	50.539	0.292	-1.775	0.003	0.012
FBgn0033186	68.102	105.284	30.921	0.294	-1.768	0.000	0.000
FBgn0262904	19.677	30.410	8.944	0.294	-1.766	0.006	0.024
FBgn0038013	172.642	266.778	78.506	0.294	-1.765	0.001	0.004
FBgn0037763	106.872	165.131	48.612	0.294	-1.764	0.003	0.014
FBgn0052076	240.117	370.949	109.285	0.295	-1.763	0.000	0.000
FBgn0038207	10.956	16.924	4.987	0.295	-1.763	0.011	0.038
FBgn0038681	1097.520	1695.279	499.760	0.295	-1.762	0.000	0.000
FBgn0033924	1092.312	1687.125	497.499	0.295	-1.762	0.000	0.000
FBgn0062412	49.532	76.489	22.574	0.295	-1.761	0.003	0.014
FBgn0035598	35.461	54.730	16.192	0.296	-1.757	0.002	0.009
FBgn0034602	337.456	520.775	154.137	0.296	-1.756	0.000	0.000
FBgn0020392	313.753	484.001	143.506	0.296	-1.754	0.000	0.000
FBgn0036436	111.625	172.181	51.069	0.297	-1.753	0.000	0.000
FBgn0039930	823.942	1270.696	377.188	0.297	-1.752	0.000	0.000
FBgn0263974	62.805	96.849	28.761	0.297	-1.752	0.001	0.006
FBgn0035702	134.756	207.705	61.807	0.298	-1.749	0.000	0.000
FBgn0083970	1442.181	2221.677	662.685	0.298	-1.745	0.000	0.001
FBgn0034214	129.035	198.723	59.347	0.299	-1.744	0.000	0.000
FBgn0034128	1061.933	1635.311	488.555	0.299	-1.743	0.000	0.000
FBgn0031710	260.823	401.444	120.202	0.299	-1.740	0.011	0.038
FBgn0034271	300.545	462.580	138.510	0.299	-1.740	0.000	0.000
FBgn0029686	34.688	53.383	15.993	0.300	-1.739	0.001	0.004
FBgn0036765	146.078	224.793	67.362	0.300	-1.739	0.000	0.000
FBgn0028855	630.684	969.144	292.223	0.302	-1.730	0.000	0.000
FBgn0261984	1303.751	2003.247	604.255	0.302	-1.729	0.000	0.000
FBgn0250830	234.254	359.887	108.622	0.302	-1.728	0.000	0.001
FBgn0263663	19.694	30.246	9.143	0.302	-1.726	0.009	0.033
FBgn0034436	333.263	511.790	154.737	0.302	-1.726	0.000	0.000
FBgn0038976	1045.834	1605.997	485.671	0.302	-1.725	0.002	0.009
FBgn0032799	528.203	810.747	245.660	0.303	-1.723	0.002	0.009
FBgn0039909	2534.862	3889.976	1179.747	0.303	-1.721	0.000	0.000

FBgn0036124	483.633	742.070	225.196	0.303	-1.720	0.000	0.000
FBgn0032859	400.521	614.315	186.728	0.304	-1.718	0.000	0.000
FBgn0034756	111.821	171.474	52.168	0.304	-1.717	0.000	0.000
FBgn0035113	120.765	185.175	56.356	0.304	-1.716	0.000	0.000
FBgn0040010	463.015	709.784	216.246	0.305	-1.715	0.000	0.000
FBgn0051648	136.558	209.313	63.803	0.305	-1.714	0.000	0.000
FBgn0052207	70.209	107.603	32.816	0.305	-1.713	0.000	0.000
FBgn0026402	279.652	428.471	130.833	0.305	-1.711	0.000	0.000
FBgn0032979	967.376	1482.162	452.590	0.305	-1.711	0.000	0.000
FBgn0032943	330.616	506.464	154.768	0.306	-1.710	0.000	0.000
FBgn0034314	49.833	76.326	23.341	0.306	-1.709	0.000	0.002
FBgn0035420	450.663	690.165	211.162	0.306	-1.709	0.000	0.000
FBgn0038435	68.119	104.320	31.919	0.306	-1.709	0.001	0.003
FBgn0003719	88.254	135.146	41.361	0.306	-1.708	0.000	0.000
FBgn0038551	355.794	544.816	166.772	0.306	-1.708	0.000	0.000
FBgn0050424	87.297	133.665	40.929	0.306	-1.707	0.000	0.000
FBgn0031253	90.217	138.075	42.359	0.307	-1.705	0.000	0.000
FBgn0033302	19.956	30.536	9.376	0.307	-1.703	0.007	0.028
FBgn0022238	1945.891	2977.478	914.304	0.307	-1.703	0.000	0.000
FBgn0013347	2039.563	3120.427	958.698	0.307	-1.703	0.007	0.025
FBgn0000326	364.003	556.608	171.398	0.308	-1.699	0.000	0.000
FBgn0033542	96.750	147.850	45.650	0.309	-1.695	0.001	0.003
FBgn0260768	80.150	122.427	37.872	0.309	-1.693	0.001	0.007
FBgn0262741	68.348	104.379	32.317	0.310	-1.691	0.000	0.000
FBgn0030657	174.277	266.131	82.423	0.310	-1.691	0.000	0.000
FBgn0003483	35.262	53.833	16.690	0.310	-1.689	0.001	0.004
FBgn0032358	478.601	730.445	226.756	0.310	-1.688	0.000	0.000
FBgn0039296	355.138	541.936	168.341	0.311	-1.687	0.000	0.000
FBgn0086757	656.962	1002.509	311.415	0.311	-1.687	0.000	0.000
FBgn0058191	241.871	368.969	114.774	0.311	-1.685	0.001	0.004
FBgn0035876	133.188	203.168	63.209	0.311	-1.684	0.003	0.013
FBgn0031738	389.767	594.510	185.023	0.311	-1.684	0.000	0.002
FBgn0035827	103.014	157.121	48.906	0.311	-1.684	0.000	0.000
FBgn0037751	21.336	32.531	10.141	0.312	-1.682	0.005	0.021

FBgn0025366	4374.935	6669.487	2080.384	0.312	-1.681	0.007	0.026
FBgn0011327	250.463	381.658	119.268	0.312	-1.678	0.000	0.000
FBgn0036888	1292.005	1968.703	615.307	0.313	-1.678	0.000	0.000
FBgn0260486	1322.678	2013.858	631.499	0.314	-1.673	0.000	0.000
FBgn0036662	295.590	450.037	141.144	0.314	-1.673	0.000	0.000
FBgn0035936	793.576	1208.055	379.096	0.314	-1.672	0.000	0.000
FBgn0036714	267.811	407.683	127.940	0.314	-1.672	0.000	0.000
FBgn0025355	219.432	333.962	104.902	0.314	-1.671	0.000	0.000
FBgn0014380	308.076	468.755	147.397	0.314	-1.669	0.001	0.005
FBgn0037248	391.216	594.971	187.460	0.315	-1.666	0.000	0.000
FBgn0038365	86.191	131.055	41.327	0.315	-1.665	0.000	0.000
FBgn0045866	1683.690	2559.568	807.811	0.316	-1.664	0.000	0.000
FBgn0034390	446.608	678.801	214.415	0.316	-1.663	0.000	0.003
FBgn0050390	250.006	379.945	120.067	0.316	-1.662	0.002	0.011
FBgn0051229	1084.095	1646.035	522.154	0.317	-1.656	0.000	0.001
FBgn0014931	57.885	87.875	27.895	0.317	-1.655	0.000	0.001
FBgn0051957	87.786	133.248	42.325	0.318	-1.655	0.000	0.000
FBgn0031247	306.086	464.542	147.630	0.318	-1.654	0.004	0.016
FBgn0263831	20.884	31.694	10.074	0.318	-1.654	0.010	0.036
FBgn0037544	360.016	546.339	173.694	0.318	-1.653	0.000	0.000
FBgn0034459	34.829	52.835	16.823	0.318	-1.651	0.001	0.006
FBgn0037817	239.466	363.193	115.740	0.319	-1.650	0.000	0.000
FBgn0036760	679.019	1029.569	328.468	0.319	-1.648	0.000	0.000
FBgn0035695	658.318	998.155	318.480	0.319	-1.648	0.000	0.000
FBgn0028427	1266.742	1920.337	613.147	0.319	-1.647	0.000	0.000
FBgn0035090	3000.981	4546.930	1455.031	0.320	-1.644	0.000	0.000
FBgn0032477	744.854	1128.425	361.284	0.320	-1.643	0.000	0.000
FBgn0026371	82.049	124.300	39.798	0.320	-1.643	0.000	0.000
FBgn0002354	391.873	593.636	190.110	0.320	-1.643	0.001	0.005
FBgn0036757	174.783	264.750	84.817	0.320	-1.642	0.000	0.000
FBgn0031998	420.155	636.187	204.122	0.321	-1.640	0.002	0.009
FBgn0039483	137.185	207.709	66.661	0.321	-1.640	0.000	0.000
FBgn0033982	93.029	140.841	45.217	0.321	-1.639	0.000	0.000
FBgn0034447	109.246	165.325	53.166	0.322	-1.637	0.000	0.002

FBgn0031518	44.269	66.994	21.544	0.322	-1.637	0.001	0.007
FBgn0033897	1167.958	1767.463	568.454	0.322	-1.637	0.000	0.000
FBgn0022268	1132.304	1713.046	551.562	0.322	-1.635	0.000	0.000
FBgn0004436	1224.796	1852.964	596.627	0.322	-1.635	0.001	0.004
FBgn0000317	581.490	879.695	283.286	0.322	-1.635	0.000	0.000
FBgn0039925	65.608	99.231	31.985	0.322	-1.633	0.000	0.001
FBgn0026787	389.364	588.778	189.949	0.323	-1.632	0.000	0.000
FBgn0016078	1503.551	2272.487	734.614	0.323	-1.629	0.000	0.000
FBgn0034728	230.289	347.932	112.646	0.324	-1.627	0.000	0.000
FBgn0032264	540.465	816.505	264.426	0.324	-1.627	0.000	0.000
FBgn0038236	258.934	391.130	126.737	0.324	-1.626	0.000	0.000
FBgn0027095	969.552	1463.991	475.113	0.325	-1.624	0.000	0.002
FBgn0033809	223.326	337.201	109.450	0.325	-1.623	0.000	0.001
FBgn0038376	1051.096	1586.737	515.455	0.325	-1.622	0.000	0.000
FBgn0035462	144.088	217.423	70.754	0.325	-1.620	0.000	0.000
FBgn0263344	18.195	27.447	8.944	0.326	-1.618	0.016	0.050
FBgn0031970	230.301	347.325	113.277	0.326	-1.616	0.000	0.000
FBgn0015038	242.418	365.534	119.302	0.326	-1.615	0.001	0.005
FBgn0034073	92.650	139.650	45.650	0.327	-1.613	0.000	0.000
FBgn0020440	924.721	1393.539	455.904	0.327	-1.612	0.000	0.000
FBgn0038953	152.480	229.751	75.210	0.327	-1.611	0.000	0.000
FBgn0035627	23.110	34.817	11.404	0.328	-1.610	0.009	0.033
FBgn0003091	3002.392	4523.044	1481.740	0.328	-1.610	0.004	0.015
FBgn0051453	57.587	86.747	28.426	0.328	-1.610	0.000	0.000
FBgn0039250	60.216	90.708	29.724	0.328	-1.610	0.000	0.002
FBgn0028530	216.604	326.247	106.961	0.328	-1.609	0.000	0.000
FBgn0033817	469.640	707.246	232.034	0.328	-1.608	0.007	0.028
FBgn0034142	1305.295	1964.913	645.676	0.329	-1.606	0.000	0.000
FBgn0024320	983.595	1480.576	486.613	0.329	-1.605	0.000	0.000
FBgn0264572	56.487	85.013	27.962	0.329	-1.604	0.010	0.036
FBgn0260243	269.816	406.041	133.590	0.329	-1.604	0.000	0.000
FBgn0032409	361.043	543.242	178.845	0.329	-1.603	0.000	0.000
FBgn0015338	429.534	646.207	212.861	0.329	-1.602	0.000	0.000
FBgn0051778	778.700	1170.737	386.664	0.330	-1.598	0.000	0.000

FBgn0039324	101.822	153.038	50.605	0.331	-1.597	0.002	0.009
FBgn0033397	101.203	152.100	50.305	0.331	-1.596	0.000	0.000
FBgn0033240	113.204	170.119	56.290	0.331	-1.596	0.000	0.000
FBgn0037619	108.521	163.077	53.965	0.331	-1.595	0.000	0.000
FBgn0000307	1217.728	1829.841	605.616	0.331	-1.595	0.000	0.000
FBgn0031043	617.052	927.095	307.010	0.331	-1.594	0.000	0.000
FBgn0039993	246.862	370.875	122.849	0.331	-1.594	0.000	0.001
FBgn0031216	322.309	484.131	160.487	0.331	-1.593	0.000	0.000
FBgn0036892	923.190	1385.556	460.824	0.333	-1.588	0.000	0.000
FBgn0034804	241.850	362.910	120.790	0.333	-1.587	0.000	0.002
FBgn0053200	218.154	327.288	109.020	0.333	-1.586	0.014	0.046
FBgn0052220	123.315	184.955	61.674	0.333	-1.584	0.000	0.000
FBgn0051251	78.611	117.890	39.331	0.334	-1.584	0.003	0.012
FBgn0031045	148.748	222.988	74.509	0.334	-1.581	0.000	0.000
FBgn0035518	206.544	309.486	103.601	0.335	-1.579	0.000	0.000
FBgn0263046	174.219	261.032	87.406	0.335	-1.578	0.000	0.000
FBgn0034002	450.196	674.398	225.995	0.335	-1.577	0.000	0.000
FBgn0051465	131.267	196.404	66.130	0.337	-1.570	0.000	0.000
FBgn0035023	1637.507	2449.801	825.213	0.337	-1.570	0.000	0.000
FBgn0002872	138.455	207.120	69.790	0.337	-1.569	0.000	0.000
FBgn0037958	108.467	162.243	54.692	0.337	-1.569	0.000	0.000
FBgn0036205	50.300	75.231	25.369	0.337	-1.568	0.000	0.002
FBgn0035892	229.598	343.323	115.873	0.338	-1.567	0.000	0.000
FBgn0039941	134.159	200.592	67.725	0.338	-1.567	0.000	0.000
FBgn0023479	9641.660	14409.437	4873.883	0.338	-1.564	0.000	0.000
FBgn0036309	145.869	217.892	73.845	0.339	-1.561	0.001	0.004
FBgn0038465	1145.469	1710.660	580.279	0.339	-1.560	0.000	0.000
FBgn0036198	675.966	1009.342	342.589	0.339	-1.559	0.000	0.000
FBgn0002778	613.065	915.230	310.901	0.340	-1.558	0.000	0.000
FBgn0032822	108.114	161.398	54.830	0.340	-1.558	0.001	0.007
FBgn0032940	1846.496	2755.987	937.006	0.340	-1.556	0.000	0.000
FBgn0027086	665.646	993.256	338.035	0.340	-1.555	0.000	0.000
FBgn0032054	209.732	312.903	106.560	0.341	-1.554	0.000	0.000
FBgn0086371	393.815	587.439	200.191	0.341	-1.553	0.000	0.000

FBgn0051320	44.706	66.670	22.741	0.341	-1.552	0.002	0.011
FBgn0037378	386.859	576.920	196.799	0.341	-1.552	0.000	0.000
FBgn0023076	699.608	1043.162	356.055	0.341	-1.551	0.000	0.000
FBgn0033718	38.866	57.949	19.782	0.341	-1.551	0.001	0.006
FBgn0003969	512.150	763.468	260.832	0.342	-1.549	0.000	0.000
FBgn0037369	162.332	241.941	82.723	0.342	-1.548	0.000	0.000
FBgn0004646	2682.791	3998.388	1367.194	0.342	-1.548	0.000	0.001
FBgn0025781	162.624	242.362	82.887	0.342	-1.548	0.000	0.000
FBgn0030695	341.193	508.455	173.931	0.342	-1.548	0.000	0.000
FBgn0017414	137.499	204.872	70.125	0.342	-1.547	0.000	0.001
FBgn0026315	53.775	80.122	27.428	0.342	-1.547	0.000	0.003
FBgn0035515	500.845	745.844	255.846	0.343	-1.544	0.000	0.000
FBgn0052104	101.338	150.909	51.767	0.343	-1.544	0.000	0.000
FBgn0031305	233.357	347.500	119.215	0.343	-1.543	0.000	0.000
FBgn0037212	479.804	714.473	245.134	0.343	-1.543	0.002	0.007
FBgn0033491	162.288	241.654	82.922	0.343	-1.543	0.000	0.000
FBgn0032447	406.114	604.389	207.839	0.344	-1.540	0.001	0.006
FBgn0261049	442.659	658.463	226.854	0.345	-1.537	0.000	0.000
FBgn0027512	898.703	1336.677	460.729	0.345	-1.537	0.000	0.000
FBgn0002592	62.651	93.153	32.149	0.345	-1.535	0.000	0.001
FBgn0025683	7288.784	10834.200	3743.368	0.346	-1.533	0.000	0.000
FBgn0050394	280.576	417.051	144.100	0.346	-1.533	0.000	0.000
FBgn0016792	252.417	375.062	129.772	0.346	-1.531	0.000	0.000
FBgn0034579	233.525	346.990	120.061	0.346	-1.531	0.001	0.003
FBgn0067779	392.037	582.324	201.751	0.346	-1.529	0.000	0.000
FBgn0037896	736.984	1094.699	379.269	0.346	-1.529	0.000	0.000
FBgn0038854	309.187	459.078	159.297	0.347	-1.527	0.000	0.000
FBgn0030703	746.930	1108.846	385.014	0.347	-1.526	0.000	0.000
FBgn0033065	703.026	1043.374	362.677	0.348	-1.524	0.000	0.000
FBgn0032259	309.418	459.040	159.796	0.348	-1.522	0.000	0.000
FBgn0032670	33.730	50.036	17.423	0.348	-1.522	0.011	0.038
FBgn0033766	199.469	295.900	103.039	0.348	-1.522	0.000	0.000
FBgn0039302	2648.330	3928.619	1368.041	0.348	-1.522	0.000	0.000
FBgn0000629	429.880	637.560	222.199	0.349	-1.521	0.000	0.000

FBgn0262560	331.497	491.631	171.364	0.349	-1.521	0.000	0.000
FBgn0039023	237.812	352.339	123.285	0.350	-1.515	0.000	0.000
FBgn0037848	397.913	589.456	206.371	0.350	-1.514	0.000	0.000
FBgn0015569	133.783	198.180	69.386	0.350	-1.514	0.000	0.000
FBgn0263780	103.461	153.224	53.697	0.350	-1.513	0.000	0.000
FBgn0031220	627.096	928.317	325.876	0.351	-1.510	0.000	0.000
FBgn0033185	186.420	275.950	96.890	0.351	-1.510	0.000	0.000
FBgn0026869	1242.724	1838.854	646.593	0.352	-1.508	0.001	0.004
FBgn0262524	91.996	136.080	47.911	0.352	-1.506	0.000	0.001
FBgn0051523	2911.460	4306.301	1516.618	0.352	-1.506	0.002	0.008
FBgn0030707	150.579	222.690	78.469	0.352	-1.505	0.000	0.001
FBgn0053129	1528.019	2259.347	796.692	0.353	-1.504	0.000	0.000
FBgn0035689	97.498	144.161	50.836	0.353	-1.504	0.001	0.005
FBgn0051102	543.868	803.600	284.136	0.354	-1.500	0.000	0.000
FBgn0037236	67.757	100.106	35.408	0.354	-1.499	0.000	0.001
FBgn0014007	229.113	338.466	119.761	0.354	-1.499	0.000	0.000
FBgn0031876	103.890	153.451	54.328	0.354	-1.498	0.000	0.000
FBgn0085432	2574.836	3801.566	1348.106	0.355	-1.496	0.002	0.008
FBgn0034494	1179.280	1740.973	617.588	0.355	-1.495	0.000	0.000
FBgn0052523	3720.844	5492.868	1948.820	0.355	-1.495	0.000	0.000
FBgn0021856	514.832	759.809	269.854	0.355	-1.493	0.000	0.000
FBgn0032169	261.755	385.998	137.512	0.356	-1.489	0.000	0.000
FBgn0034365	195.946	288.925	102.966	0.356	-1.489	0.000	0.000
FBgn0263133	499.884	737.070	262.698	0.356	-1.488	0.000	0.000
FBgn0085320	1487.819	2193.503	782.135	0.357	-1.488	0.000	0.002
FBgn0037794	134.026	197.596	70.457	0.357	-1.488	0.000	0.001
FBgn0025879	1485.553	2189.908	781.199	0.357	-1.487	0.000	0.000
FBgn0039081	1727.644	2546.207	909.082	0.357	-1.486	0.000	0.000
FBgn0000559	35299.405	52013.700	18585.110	0.357	-1.485	0.000	0.001
FBgn0036423	30.732	45.272	16.192	0.358	-1.483	0.006	0.023
FBgn0034532	26.562	39.127	13.997	0.358	-1.483	0.008	0.028
FBgn0032684	351.660	517.764	185.556	0.358	-1.480	0.005	0.018
FBgn0261268	977.009	1438.000	516.018	0.359	-1.479	0.000	0.000
FBgn0037894	560.574	825.069	296.079	0.359	-1.479	0.000	0.000

FBgn0032223	552.334	812.604	292.065	0.359	-1.476	0.004	0.015
FBgn0032014	139.130	204.582	73.678	0.360	-1.473	0.000	0.000
FBgn0033901	220.496	324.218	116.773	0.360	-1.473	0.000	0.000
FBgn0031170	1273.266	1871.287	675.245	0.361	-1.471	0.000	0.000
FBgn0021761	279.921	411.386	148.455	0.361	-1.470	0.000	0.000
FBgn0053155	228.392	335.630	121.154	0.361	-1.470	0.001	0.004
FBgn0036500	376.285	552.879	199.692	0.361	-1.469	0.000	0.000
FBgn0037633	160.539	235.829	85.249	0.361	-1.468	0.000	0.000
FBgn0017572	2696.188	3959.619	1432.756	0.362	-1.467	0.000	0.001
FBgn0003169	1196.961	1756.589	637.333	0.363	-1.463	0.000	0.000
FBgn0033740	32.715	48.008	17.423	0.363	-1.462	0.010	0.035
FBgn0027586	6423.882	9426.535	3421.229	0.363	-1.462	0.000	0.000
FBgn0031752	1352.448	1984.402	720.494	0.363	-1.462	0.000	0.000
FBgn0032498	153.389	225.050	81.728	0.363	-1.461	0.000	0.000
FBgn0037741	224.810	329.824	119.795	0.363	-1.461	0.000	0.000
FBgn0031694	34.500	50.613	18.386	0.363	-1.461	0.006	0.023
FBgn0037382	349.807	513.126	186.488	0.363	-1.460	0.000	0.000
FBgn0022936	165.670	243.002	88.338	0.364	-1.460	0.000	0.000
FBgn0031379	1535.622	2251.974	819.271	0.364	-1.459	0.000	0.002
FBgn0010339	604.901	887.020	322.781	0.364	-1.458	0.000	0.000
FBgn0032925	406.040	595.396	216.685	0.364	-1.458	0.001	0.004
FBgn0039821	109.379	160.375	58.383	0.364	-1.458	0.000	0.000
FBgn0015565	657.737	964.366	351.109	0.364	-1.458	0.000	0.000
FBgn0002431	3113.901	4563.550	1664.251	0.365	-1.455	0.000	0.000
FBgn0032391	190.960	279.776	102.145	0.365	-1.454	0.001	0.003
FBgn0085378	348.990	511.284	186.696	0.365	-1.453	0.000	0.000
FBgn0028996	2796.890	4097.469	1496.311	0.365	-1.453	0.000	0.000
FBgn0036305	830.980	1217.033	444.926	0.366	-1.452	0.000	0.000
FBgn0263504	76.484	111.972	40.995	0.366	-1.450	0.013	0.044
FBgn0053506	150.166	219.839	80.493	0.366	-1.450	0.000	0.000
FBgn0038767	145.671	213.240	78.102	0.366	-1.449	0.000	0.000
FBgn0015625	73.437	107.443	39.432	0.367	-1.446	0.001	0.003
FBgn0031229	476.181	696.589	255.773	0.367	-1.445	0.000	0.000
FBgn0262473	1124.383	1643.081	605.685	0.369	-1.440	0.000	0.000



FBgn0259238	1696.864	2478.299	915.428	0.369	-1.437	0.000	0.002
FBgn0028426	184.630	269.581	99.679	0.370	-1.435	0.000	0.000
FBgn0039955	252.987	369.293	136.682	0.370	-1.434	0.000	0.000
FBgn0261286	344.040	502.179	185.900	0.370	-1.434	0.000	0.001
FBgn0019948	3914.547	5713.351	2115.743	0.370	-1.433	0.000	0.000
FBgn0086683	397.089	579.514	214.664	0.370	-1.433	0.000	0.002
FBgn0033980	437.516	638.331	236.701	0.371	-1.431	0.000	0.000
FBgn0037638	548.744	800.537	296.951	0.371	-1.431	0.000	0.000
FBgn0004797	177.346	258.705	95.987	0.371	-1.430	0.000	0.001
FBgn0020497	1897.283	2767.627	1026.939	0.371	-1.430	0.000	0.000
FBgn0039595	83.441	121.665	45.217	0.372	-1.428	0.000	0.001
FBgn0033775	75.569	110.174	40.963	0.372	-1.427	0.000	0.001
FBgn0031968	541.039	788.793	293.285	0.372	-1.427	0.000	0.001
FBgn0039726	442.135	644.584	239.686	0.372	-1.427	0.000	0.000
FBgn0053653	1373.545	2001.637	745.453	0.372	-1.425	0.000	0.001
FBgn0026565	268.325	390.930	145.721	0.373	-1.424	0.000	0.000
FBgn0035691	22.464	32.725	12.203	0.373	-1.423	0.010	0.036
FBgn0028955	2869.954	4180.155	1559.752	0.373	-1.422	0.000	0.000
FBgn0036386	178.924	260.566	97.282	0.373	-1.421	0.000	0.000
FBgn0034742	1978.096	2880.131	1076.062	0.374	-1.420	0.000	0.000
FBgn0037652	268.799	391.372	146.225	0.374	-1.420	0.000	0.000
FBgn0036317	1084.312	1578.256	590.368	0.374	-1.419	0.000	0.000
FBgn0038857	378.395	550.750	206.040	0.374	-1.418	0.000	0.000
FBgn0037822	887.419	1291.539	483.300	0.374	-1.418	0.000	0.000
FBgn0026427	758.007	1103.173	412.840	0.374	-1.418	0.000	0.000
FBgn0263600	133.714	194.581	72.847	0.374	-1.417	0.000	0.000
FBgn0027547	2460.519	3580.090	1340.949	0.375	-1.417	0.000	0.000
FBgn0032728	46.210	67.218	25.202	0.375	-1.415	0.002	0.008
FBgn0000406	13166.710	19151.585	7181.836	0.375	-1.415	0.002	0.008
FBgn0038202	225.649	328.111	123.187	0.375	-1.413	0.000	0.000
FBgn0004513	621.674	903.855	339.494	0.376	-1.413	0.000	0.000
FBgn0052176	385.431	560.364	210.499	0.376	-1.413	0.000	0.000
FBgn0039641	99.161	144.161	54.161	0.376	-1.412	0.000	0.001
FBgn0025700	2100.954	3053.789	1148.119	0.376	-1.411	0.002	0.011

FBgn0031601	198.462	288.463	108.461	0.376	-1.411	0.000	0.000
FBgn0053120	436.530	634.273	238.786	0.376	-1.409	0.000	0.000
FBgn0010407	61.047	88.679	33.416	0.377	-1.408	0.001	0.003
FBgn0003076	4569.527	6634.526	2504.529	0.377	-1.405	0.000	0.000
FBgn0030801	161.979	235.118	88.840	0.378	-1.404	0.000	0.000
FBgn0260407	349.411	507.082	191.740	0.378	-1.403	0.000	0.000
FBgn0039272	65.885	95.595	36.176	0.378	-1.402	0.009	0.034
FBgn0035812	81.976	118.933	45.018	0.379	-1.402	0.000	0.002
FBgn0038173	131.350	190.553	72.146	0.379	-1.401	0.000	0.000
FBgn0031589	1325.456	1922.674	728.238	0.379	-1.401	0.000	0.000
FBgn0032699	751.590	1090.202	412.979	0.379	-1.400	0.000	0.000
FBgn0032850	47.854	69.376	26.332	0.380	-1.398	0.002	0.008
FBgn0027603	1095.080	1587.432	602.729	0.380	-1.397	0.000	0.000
FBgn0035150	150.982	218.775	83.190	0.380	-1.395	0.000	0.003
FBgn0013323	36.199	52.448	19.950	0.380	-1.395	0.009	0.031
FBgn0031995	2636.819	3820.255	1453.384	0.380	-1.394	0.000	0.000
FBgn0263076	35.890	51.998	19.782	0.380	-1.394	0.005	0.019
FBgn0034628	493.562	715.014	272.109	0.381	-1.394	0.000	0.000
FBgn0030733	5699.459	8256.287	3142.630	0.381	-1.394	0.000	0.000
FBgn0023180	38.197	55.314	21.080	0.381	-1.392	0.006	0.022
FBgn0030366	3127.230	4528.165	1726.295	0.381	-1.391	0.000	0.000
FBgn0038536	117.742	170.447	65.037	0.382	-1.390	0.002	0.011
FBgn0261274	659.616	954.762	364.471	0.382	-1.389	0.000	0.000
FBgn0037106	149.036	215.681	82.391	0.382	-1.388	0.000	0.000
FBgn0034114	210.931	305.190	116.672	0.382	-1.387	0.000	0.001
FBgn0037703	214.799	310.766	118.832	0.382	-1.387	0.005	0.019
FBgn0041180	3650.357	5280.285	2020.428	0.383	-1.386	0.000	0.000
FBgn0039073	610.198	882.352	338.044	0.383	-1.384	0.000	0.000
FBgn0261989	65.225	94.277	36.173	0.384	-1.382	0.001	0.003
FBgn0263986	250.228	361.678	138.779	0.384	-1.382	0.000	0.000
FBgn0033337	242.346	350.203	134.490	0.384	-1.381	0.001	0.005
FBgn0036211	3071.089	4437.382	1704.797	0.384	-1.380	0.000	0.000
FBgn0034529	351.434	507.666	195.201	0.385	-1.379	0.000	0.000
FBgn0041711	176.387	254.656	98.118	0.385	-1.376	0.001	0.004

FBgn0037883	283.948	409.927	157.970	0.385	-1.376	0.011	0.037
FBgn0020616	543.386	784.353	302.418	0.386	-1.375	0.000	0.000
FBgn0024248	1168.628	1686.823	650.434	0.386	-1.375	0.000	0.000
FBgn0027111	3402.546	4911.161	1893.931	0.386	-1.375	0.000	0.000
FBgn0031893	794.859	1146.987	442.732	0.386	-1.373	0.000	0.000
FBgn0038733	676.352	975.576	377.129	0.387	-1.371	0.000	0.000
FBgn0036752	297.329	428.843	165.815	0.387	-1.371	0.000	0.000
FBgn0051223	69.079	99.622	38.535	0.387	-1.370	0.000	0.002
FBgn0033194	1715.573	2473.544	957.602	0.387	-1.369	0.000	0.000
FBgn0261574	779.983	1124.550	435.417	0.387	-1.369	0.000	0.000
FBgn0260755	131.305	189.299	73.312	0.387	-1.369	0.008	0.030
FBgn0028406	329.901	475.544	184.258	0.387	-1.368	0.000	0.001
FBgn0039163	604.408	871.216	337.599	0.388	-1.368	0.000	0.000
FBgn0024921	1861.228	2682.818	1039.637	0.388	-1.368	0.000	0.000
FBgn0034703	31.139	44.855	17.423	0.388	-1.364	0.014	0.045
FBgn0264511	33.121	47.688	18.554	0.389	-1.362	0.012	0.042
FBgn0020414	1902.014	2737.522	1066.506	0.390	-1.360	0.000	0.000
FBgn0033699	33880.434	48724.719	19036.149	0.391	-1.356	0.001	0.006
FBgn0025693	276.441	397.476	155.406	0.391	-1.355	0.000	0.001
FBgn0015553	63.807	91.739	35.876	0.391	-1.355	0.002	0.011
FBgn0032329	120.923	173.852	67.993	0.391	-1.354	0.000	0.001
FBgn0016013	374.433	538.202	210.663	0.391	-1.353	0.000	0.000
FBgn0003742	382.565	549.882	215.249	0.391	-1.353	0.000	0.000
FBgn0053057	38.885	55.891	21.879	0.391	-1.353	0.006	0.023
FBgn0035923	146.545	210.567	82.524	0.392	-1.351	0.000	0.000
FBgn0015477	1200.157	1724.357	675.958	0.392	-1.351	0.000	0.000
FBgn0031914	1688.138	2424.864	951.411	0.392	-1.350	0.000	0.000
FBgn0037779	504.411	724.219	284.603	0.393	-1.347	0.000	0.000
FBgn0037773	56.030	80.442	31.619	0.393	-1.347	0.001	0.007
FBgn0034933	226.106	324.404	127.807	0.394	-1.344	0.000	0.000
FBgn0034346	293.626	421.276	165.976	0.394	-1.344	0.000	0.000
FBgn0036376	565.867	811.788	319.945	0.394	-1.343	0.000	0.000
FBgn0033381	441.006	632.606	249.406	0.394	-1.343	0.000	0.000
FBgn0037801	653.694	937.201	370.187	0.395	-1.340	0.000	0.000

FBgn0031972	716.850	1027.716	405.984	0.395	-1.340	0.000	0.000
FBgn0035482	117.111	167.893	66.329	0.395	-1.340	0.002	0.009
FBgn0036020	407.596	584.114	231.077	0.396	-1.338	0.000	0.000
FBgn0037359	201.597	288.821	114.373	0.396	-1.336	0.000	0.001
FBgn0031191	698.427	1000.574	396.280	0.396	-1.336	0.000	0.000
FBgn0002645	888.965	1273.490	504.440	0.396	-1.336	0.000	0.000
FBgn0030854	570.229	816.817	323.640	0.396	-1.336	0.000	0.000
FBgn0025592	1736.876	2487.702	986.049	0.396	-1.335	0.000	0.000
FBgn0032524	710.023	1016.933	403.113	0.396	-1.335	0.000	0.000
FBgn0036570	154.627	221.443	87.810	0.397	-1.334	0.000	0.000
FBgn0033458	54.783	78.447	31.120	0.397	-1.334	0.001	0.005
FBgn0031670	1760.630	2520.992	1000.269	0.397	-1.334	0.000	0.000
FBgn0036553	357.658	511.876	203.441	0.397	-1.331	0.000	0.000
FBgn0032509	1663.988	2381.294	946.682	0.398	-1.331	0.000	0.000
FBgn0029526	165.428	236.730	94.127	0.398	-1.331	0.013	0.043
FBgn0036571	265.986	380.526	151.446	0.398	-1.329	0.000	0.000
FBgn0032005	1418.031	2027.790	808.273	0.399	-1.327	0.000	0.000
FBgn0035943	194.770	278.492	111.048	0.399	-1.326	0.000	0.000
FBgn0039056	1266.741	1810.964	722.518	0.399	-1.326	0.000	0.000
FBgn0033075	266.590	381.103	152.077	0.399	-1.325	0.000	0.000
FBgn0027055	563.748	805.848	321.647	0.399	-1.325	0.000	0.000
FBgn0024194	84.049	120.120	47.978	0.399	-1.324	0.000	0.003
FBgn0039321	3518.287	5025.965	2010.609	0.400	-1.322	0.000	0.000
FBgn0038087	94.471	134.949	53.994	0.400	-1.322	0.000	0.001
FBgn0087011	41.115	58.724	23.506	0.400	-1.321	0.004	0.018
FBgn0039125	232.905	332.649	133.160	0.400	-1.321	0.000	0.000
FBgn0033452	600.778	857.716	343.841	0.401	-1.319	0.001	0.005
FBgn0024188	660.692	943.149	378.234	0.401	-1.318	0.001	0.004
FBgn0000536	1629.612	2325.894	933.329	0.401	-1.317	0.000	0.000
FBgn0052576	109.559	156.314	62.805	0.402	-1.315	0.004	0.017
FBgn0029512	307.011	438.003	176.019	0.402	-1.315	0.000	0.000
FBgn0054054	211.640	301.792	121.488	0.403	-1.313	0.000	0.000
FBgn0028886	266.583	380.024	153.142	0.403	-1.311	0.000	0.000
FBgn0052647	1904.332	2713.946	1094.718	0.403	-1.310	0.000	0.000

FBgn0037680	253.966	361.897	146.036	0.404	-1.309	0.000	0.001
FBgn0028373	1758.278	2505.010	1011.546	0.404	-1.308	0.000	0.000
FBgn0038662	1667.567	2375.376	959.759	0.404	-1.307	0.000	0.000
FBgn0050104	191.472	272.730	110.214	0.404	-1.307	0.000	0.000
FBgn0030457	473.873	674.841	272.905	0.404	-1.306	0.000	0.000
FBgn0011288	1371.138	1952.509	789.767	0.404	-1.306	0.000	0.001
FBgn0037071	204.769	291.400	118.137	0.405	-1.303	0.012	0.040
FBgn0035959	418.353	595.054	241.653	0.406	-1.300	0.000	0.001
FBgn0033518	195.497	277.982	113.012	0.407	-1.299	0.001	0.005
FBgn0262366	42.371	60.239	24.504	0.407	-1.298	0.008	0.029
FBgn0039205	319.163	453.636	184.691	0.407	-1.296	0.000	0.000
FBgn0032793	249.988	355.305	144.671	0.407	-1.296	0.004	0.016
FBgn0264467	32.854	46.690	19.018	0.407	-1.296	0.010	0.034
FBgn0035206	738.107	1048.165	428.049	0.408	-1.292	0.000	0.000
FBgn0031515	224.316	318.434	130.198	0.409	-1.290	0.000	0.002
FBgn0260049	811.633	1152.176	471.091	0.409	-1.290	0.000	0.000
FBgn0001229	119.544	169.698	69.389	0.409	-1.290	0.000	0.001
FBgn0031692	2828.229	4014.444	1642.015	0.409	-1.290	0.000	0.000
FBgn0037098	4555.968	6466.035	2645.900	0.409	-1.289	0.000	0.000
FBgn0039203	96.147	136.434	55.860	0.409	-1.288	0.000	0.002
FBgn0263048	174.980	248.220	101.741	0.410	-1.287	0.000	0.000
FBgn0015570	882.164	1251.393	512.936	0.410	-1.287	0.000	0.000
FBgn0260965	266.803	378.468	155.138	0.410	-1.287	0.000	0.000
FBgn0035170	1243.644	1764.005	723.283	0.410	-1.286	0.000	0.000
FBgn0030734	1274.803	1808.108	741.497	0.410	-1.286	0.000	0.000
FBgn0034543	693.549	983.467	403.631	0.410	-1.285	0.000	0.000
FBgn0010406	773.202	1096.306	450.098	0.411	-1.284	0.000	0.000
FBgn0033656	825.188	1169.784	480.593	0.411	-1.283	0.000	0.002
FBgn0263241	362.937	514.448	211.427	0.411	-1.283	0.000	0.000
FBgn0038593	392.648	556.511	228.784	0.411	-1.282	0.000	0.000
FBgn0033528	246.905	349.838	143.973	0.412	-1.281	0.000	0.002
FBgn0035849	485.323	687.496	283.150	0.412	-1.280	0.000	0.003
FBgn0000541	1601.248	2268.250	934.246	0.412	-1.280	0.000	0.000
FBgn0031992	1130.500	1600.935	660.065	0.412	-1.278	0.000	0.000

FBgn0026147	1159.305	1641.703	676.906	0.412	-1.278	0.000	0.000
FBgn0034578	35.667	50.487	20.847	0.413	-1.276	0.012	0.041
FBgn0026592	3567.765	5050.062	2085.467	0.413	-1.276	0.000	0.000
FBgn0038638	131.669	186.370	76.969	0.413	-1.276	0.000	0.001
FBgn0050203	164.915	233.313	96.517	0.414	-1.273	0.000	0.000
FBgn0051161	76.433	108.112	44.753	0.414	-1.272	0.003	0.012
FBgn0037792	219.228	310.052	128.404	0.414	-1.272	0.000	0.000
FBgn0260861	266.636	377.099	156.173	0.414	-1.272	0.004	0.017
FBgn0034063	387.575	548.063	227.088	0.414	-1.271	0.000	0.000
FBgn0035524	409.456	578.989	239.922	0.414	-1.271	0.000	0.000
FBgn0034380	221.345	312.989	129.702	0.414	-1.271	0.001	0.003
FBgn0040534	164.015	231.910	96.119	0.414	-1.271	0.000	0.001
FBgn0013767	2073.165	2931.325	1215.005	0.414	-1.271	0.001	0.004
FBgn0038865	262.340	370.744	153.935	0.415	-1.268	0.000	0.000
FBgn0036556	1387.829	1960.813	814.845	0.416	-1.267	0.003	0.012
FBgn0038140	72.636	102.615	42.656	0.416	-1.266	0.001	0.005
FBgn0029828	544.446	768.847	320.046	0.416	-1.264	0.000	0.000
FBgn0053234	95.244	134.498	55.990	0.416	-1.264	0.000	0.002
FBgn0036249	246.109	347.515	144.703	0.416	-1.264	0.001	0.006
FBgn0051710	188.916	266.648	111.183	0.417	-1.262	0.000	0.000
FBgn0002914	1293.915	1826.268	761.561	0.417	-1.262	0.000	0.000
FBgn0034484	130.233	183.798	76.669	0.417	-1.261	0.000	0.000
FBgn0035461	137.671	194.283	81.059	0.417	-1.261	0.000	0.001
FBgn0036569	87.694	123.753	51.635	0.417	-1.261	0.000	0.003
FBgn0034136	120.620	170.190	71.051	0.417	-1.260	0.002	0.007
FBgn0037838	145.618	205.453	85.783	0.418	-1.260	0.000	0.001
FBgn0038862	1652.952	2332.133	973.771	0.418	-1.260	0.000	0.000
FBgn0036772	104.346	147.213	61.478	0.418	-1.260	0.000	0.003
FBgn0262858	258.109	364.115	152.103	0.418	-1.259	0.016	0.050
FBgn0031398	149.629	211.081	88.177	0.418	-1.259	0.000	0.001
FBgn0030603	669.884	944.575	395.193	0.418	-1.257	0.000	0.001
FBgn0038233	166.134	234.184	98.084	0.419	-1.256	0.000	0.001
FBgn0039189	97.978	138.072	57.885	0.419	-1.254	0.002	0.010
FBgn0037240	1617.962	2279.707	956.217	0.419	-1.253	0.000	0.000

FBgn0020240	1359.343	1915.215	803.470	0.420	-1.253	0.000	0.000
FBgn0033107	116.026	163.427	68.625	0.420	-1.252	0.002	0.009
FBgn0034158	959.601	1351.617	567.586	0.420	-1.252	0.000	0.001
FBgn0037709	453.827	639.008	268.645	0.420	-1.250	0.000	0.000
FBgn0033039	426.477	600.365	252.590	0.421	-1.249	0.000	0.000
FBgn0037358	1567.205	2206.196	928.214	0.421	-1.249	0.002	0.009
FBgn0015776	3847.809	5416.643	2278.975	0.421	-1.249	0.002	0.008
FBgn0035978	3291.330	4633.099	1949.560	0.421	-1.249	0.002	0.009
FBgn0033889	849.922	1196.231	503.613	0.421	-1.248	0.000	0.000
FBgn0012051	952.714	1340.685	564.743	0.421	-1.247	0.000	0.002
FBgn0029114	227.540	320.198	134.882	0.421	-1.247	0.000	0.000
FBgn0050000	535.609	753.494	317.725	0.422	-1.246	0.000	0.000
FBgn0037440	401.329	564.566	238.091	0.422	-1.246	0.000	0.000
FBgn0039232	231.899	325.982	137.815	0.423	-1.242	0.000	0.000
FBgn0015765	196.587	276.274	116.900	0.423	-1.241	0.000	0.000
FBgn0040283	806.951	1133.896	480.006	0.423	-1.240	0.000	0.000
FBgn0037073	663.110	931.458	394.763	0.424	-1.239	0.000	0.000
FBgn0034509	252.810	355.108	150.511	0.424	-1.238	0.000	0.001
FBgn0260960	4041.197	5675.767	2406.628	0.424	-1.238	0.003	0.012
FBgn0037553	197.376	277.152	117.601	0.424	-1.237	0.000	0.001
FBgn0031182	147.242	206.741	87.744	0.424	-1.236	0.000	0.001
FBgn0035904	1541.080	2162.677	919.482	0.425	-1.234	0.000	0.002
FBgn0045035	190.293	267.009	113.577	0.425	-1.233	0.000	0.000
FBgn0015546	234.371	328.662	140.080	0.426	-1.230	0.000	0.000
FBgn0036967	697.761	978.378	417.144	0.426	-1.230	0.000	0.002
FBgn0032671	135.455	189.783	81.128	0.427	-1.226	0.000	0.001
FBgn0031673	1222.012	1711.801	732.223	0.428	-1.225	0.000	0.000
FBgn0035833	509.777	713.874	305.680	0.428	-1.224	0.000	0.000
FBgn0263120	6001.055	8403.590	3598.520	0.428	-1.224	0.000	0.000
FBgn0030100	298.252	417.561	178.943	0.429	-1.222	0.000	0.001
FBgn0033544	4374.488	6121.900	2627.075	0.429	-1.221	0.000	0.000
FBgn0032721	760.910	1064.460	457.360	0.430	-1.219	0.000	0.000
FBgn0037478	372.268	520.776	223.760	0.430	-1.219	0.000	0.000
FBgn0031631	139.633	195.314	83.951	0.430	-1.218	0.000	0.001

FBgn0037898	111.318	155.707	66.929	0.430	-1.218	0.001	0.005
FBgn0260655	458.771	641.677	275.865	0.430	-1.218	0.001	0.005
FBgn0023416	1465.068	2049.029	881.108	0.430	-1.218	0.000	0.000
FBgn0015794	1204.683	1683.827	725.538	0.431	-1.215	0.000	0.001
FBgn0027375	204.116	285.180	123.051	0.431	-1.213	0.000	0.002
FBgn0036191	364.813	509.624	220.002	0.432	-1.212	0.000	0.000
FBgn0038474	491.789	686.964	296.613	0.432	-1.212	0.000	0.000
FBgn0033130	583.828	815.388	352.268	0.432	-1.211	0.000	0.000
FBgn0039357	147.421	205.870	88.973	0.432	-1.210	0.000	0.001
FBgn0030717	230.815	322.257	139.373	0.432	-1.209	0.000	0.000
FBgn0035851	214.357	299.276	129.437	0.433	-1.209	0.000	0.000
FBgn0263864	421.808	588.901	254.715	0.433	-1.209	0.000	0.000
FBgn0036402	515.054	719.011	311.097	0.433	-1.209	0.000	0.000
FBgn0037526	198.765	277.472	120.058	0.433	-1.209	0.000	0.000
FBgn0037535	180.453	251.816	109.090	0.433	-1.207	0.000	0.001
FBgn0036886	280.614	391.566	169.662	0.433	-1.207	0.000	0.000
FBgn0003495	625.271	872.306	378.237	0.434	-1.206	0.000	0.000
FBgn0026255	61.544	85.851	37.237	0.434	-1.205	0.002	0.009
FBgn0263830	1175.933	1638.857	713.009	0.435	-1.201	0.000	0.000
FBgn0011726	1688.134	2351.968	1024.300	0.436	-1.199	0.000	0.001
FBgn0032204	169.524	236.179	102.868	0.436	-1.199	0.000	0.001
FBgn0032495	326.346	454.633	198.059	0.436	-1.199	0.000	0.000
FBgn0051445	659.198	918.170	400.226	0.436	-1.198	0.002	0.008
FBgn0064237	980.517	1365.695	595.340	0.436	-1.198	0.000	0.000
FBgn0001990	208.034	289.692	126.377	0.436	-1.197	0.000	0.000
FBgn0086895	283.019	394.108	171.929	0.436	-1.197	0.000	0.000
FBgn0037234	876.406	1220.372	532.440	0.436	-1.197	0.000	0.002
FBgn0030322	299.620	417.211	182.029	0.436	-1.197	0.001	0.004
FBgn0263316	437.054	608.584	265.525	0.436	-1.197	0.000	0.000
FBgn0036133	360.148	501.391	218.906	0.437	-1.196	0.000	0.000
FBgn0085420	260.564	362.731	158.397	0.437	-1.195	0.000	0.000
FBgn0036259	80.217	111.660	48.773	0.437	-1.195	0.001	0.005
FBgn0035082	735.175	1023.330	447.020	0.437	-1.195	0.002	0.008
FBgn0032222	939.876	1308.207	571.546	0.437	-1.195	0.000	0.000



FBgn0037141	97.034	134.986	59.081	0.438	-1.192	0.001	0.004
FBgn0040259	964.252	1341.170	587.333	0.438	-1.191	0.000	0.000
FBgn0038172	1463.908	2036.114	891.701	0.438	-1.191	0.000	0.000
FBgn0051674	43.058	59.881	26.234	0.438	-1.191	0.016	0.050
FBgn0039290	322.331	448.224	196.439	0.438	-1.190	0.003	0.014
FBgn0037232	289.645	402.766	176.524	0.438	-1.190	0.004	0.016
FBgn0040491	295.562	410.880	180.244	0.439	-1.189	0.000	0.000
FBgn0023528	1468.729	2041.624	895.834	0.439	-1.188	0.000	0.000
FBgn0011336	1022.334	1421.102	623.567	0.439	-1.188	0.000	0.000
FBgn0038290	371.586	516.427	226.744	0.439	-1.187	0.000	0.000
FBgn0046763	1026.338	1426.344	626.333	0.439	-1.187	0.014	0.046
FBgn0016122	3789.586	5266.231	2312.941	0.439	-1.187	0.000	0.000
FBgn0039937	99.211	137.845	60.578	0.439	-1.186	0.001	0.003
FBgn0031651	621.975	863.772	380.178	0.440	-1.184	0.000	0.000
FBgn0036668	963.681	1337.938	589.424	0.441	-1.183	0.000	0.000
FBgn0261788	33167.512	46015.891	20319.132	0.442	-1.179	0.000	0.000
FBgn0039164	241.411	334.897	147.924	0.442	-1.179	0.000	0.000
FBgn0037536	2114.251	2932.148	1296.354	0.442	-1.177	0.000	0.000
FBgn0034117	509.915	707.082	312.747	0.442	-1.177	0.006	0.022
FBgn0026374	292.212	405.182	179.243	0.442	-1.177	0.000	0.000
FBgn0032516	309.454	428.925	189.984	0.443	-1.175	0.000	0.000
FBgn0034479	1263.908	1751.685	776.131	0.443	-1.174	0.000	0.000
FBgn0032221	159.339	220.829	97.850	0.443	-1.174	0.000	0.001
FBgn0083969	728.734	1009.585	447.882	0.444	-1.173	0.000	0.000
FBgn0028645	242.231	335.515	148.948	0.444	-1.172	0.003	0.014
FBgn0037231	1321.954	1830.999	812.910	0.444	-1.171	0.000	0.000
FBgn0035631	754.102	1044.383	463.821	0.444	-1.171	0.000	0.000
FBgn0263977	455.122	629.867	280.378	0.445	-1.168	0.000	0.000
FBgn0038968	228.752	316.499	141.005	0.446	-1.166	0.000	0.001
FBgn0038490	62.124	85.947	38.301	0.446	-1.166	0.003	0.012
FBgn0033376	242.876	335.935	149.816	0.446	-1.165	0.001	0.004
FBgn0037669	172.171	238.081	106.260	0.446	-1.164	0.000	0.001
FBgn0026061	1652.179	2283.476	1020.882	0.447	-1.161	0.000	0.002
FBgn0033379	486.259	672.023	300.495	0.447	-1.161	0.000	0.000

FBgn0036333	315.712	436.119	195.305	0.448	-1.159	0.000	0.002
FBgn0035158	293.676	405.553	181.798	0.448	-1.158	0.014	0.045
FBgn0052112	518.657	716.227	321.088	0.448	-1.157	0.003	0.014
FBgn0036695	640.244	884.009	396.478	0.449	-1.157	0.000	0.000
FBgn0035452	150.531	207.839	93.224	0.449	-1.157	0.000	0.002
FBgn0033243	42.024	58.017	26.032	0.449	-1.156	0.014	0.045
FBgn0034379	131.047	180.902	81.191	0.449	-1.156	0.000	0.003
FBgn0025936	852.548	1176.688	528.407	0.449	-1.155	0.000	0.000
FBgn0036448	3496.859	4824.761	2168.957	0.450	-1.153	0.000	0.000
FBgn0015575	4334.581	5979.849	2689.313	0.450	-1.153	0.000	0.000
FBgn0034086	207.315	285.891	128.739	0.450	-1.151	0.001	0.005
FBgn0033698	838.421	1156.069	520.774	0.450	-1.150	0.000	0.000
FBgn0035231	1656.384	2283.228	1029.540	0.451	-1.149	0.000	0.000
FBgn0038752	315.486	434.843	196.130	0.451	-1.149	0.000	0.000
FBgn0037834	537.363	740.637	334.090	0.451	-1.149	0.000	0.000
FBgn0034270	79.292	109.278	49.307	0.451	-1.148	0.002	0.010
FBgn0259978	925.130	1274.852	575.408	0.451	-1.148	0.000	0.000
FBgn0029913	121.026	166.777	75.276	0.451	-1.148	0.001	0.004
FBgn0250823	3298.608	4544.643	2052.573	0.452	-1.147	0.005	0.020
FBgn0064225	7269.558	10015.522	4523.594	0.452	-1.147	0.000	0.000
FBgn0086451	436.828	601.716	271.939	0.452	-1.146	0.000	0.000
FBgn0036815	127.041	174.984	79.097	0.452	-1.146	0.001	0.004
FBgn0040079	855.056	1177.713	532.399	0.452	-1.145	0.000	0.000
FBgn0037368	105.166	144.831	65.502	0.452	-1.145	0.003	0.012
FBgn0035382	63.252	87.071	39.432	0.453	-1.143	0.005	0.019
FBgn0033055	428.348	589.649	267.047	0.453	-1.143	0.000	0.000
FBgn0025820	470.332	647.353	293.310	0.453	-1.142	0.000	0.000
FBgn0030317	17325.295	23843.319	10807.271	0.453	-1.142	0.001	0.004
FBgn0029831	747.834	1029.011	466.656	0.453	-1.141	0.004	0.017
FBgn0033427	122.148	168.057	76.239	0.454	-1.140	0.004	0.017
FBgn0010741	546.164	751.364	340.965	0.454	-1.140	0.000	0.000
FBgn0036512	413.503	568.802	258.205	0.454	-1.139	0.000	0.001
FBgn0027526	343.480	472.369	214.591	0.454	-1.138	0.000	0.000
FBgn0028691	1265.828	1740.712	790.945	0.454	-1.138	0.000	0.000

FBgn0039656	171.204	235.412	106.996	0.455	-1.138	0.000	0.002
FBgn0052944	357.861	491.795	223.927	0.455	-1.135	0.000	0.000
FBgn0037643	4439.546	6101.046	2778.046	0.455	-1.135	0.007	0.025
FBgn0032208	5163.407	7094.964	3231.850	0.456	-1.134	0.000	0.000
FBgn0036038	264.579	363.516	165.641	0.456	-1.134	0.000	0.001
FBgn0036063	235.403	323.381	147.425	0.456	-1.133	0.000	0.001
FBgn0038830	227.071	311.734	142.407	0.457	-1.130	0.007	0.027
FBgn0036183	151.640	208.155	95.125	0.457	-1.130	0.000	0.002
FBgn0033978	203.571	279.438	127.703	0.457	-1.130	0.000	0.001
FBgn0063368	91.328	125.268	57.389	0.458	-1.126	0.003	0.012
FBgn0053056	495.751	679.758	311.743	0.459	-1.125	0.001	0.004
FBgn0025830	297.107	407.363	186.851	0.459	-1.124	0.000	0.000
FBgn0029002	124.371	170.506	78.235	0.459	-1.124	0.001	0.004
FBgn0014075	816.930	1119.964	513.895	0.459	-1.124	0.000	0.000
FBgn0260780	159.659	218.875	100.443	0.459	-1.124	0.001	0.005
FBgn0032723	458.163	627.931	288.396	0.459	-1.123	0.000	0.000
FBgn0013432	822.495	1127.252	517.738	0.459	-1.123	0.015	0.048
FBgn0040271	963.183	1319.466	606.900	0.460	-1.120	0.000	0.000
FBgn0033457	229.988	315.013	144.962	0.460	-1.120	0.000	0.001
FBgn0086779	552.194	756.299	348.089	0.460	-1.119	0.000	0.000
FBgn0034451	179.153	245.123	113.182	0.462	-1.115	0.014	0.046
FBgn0053054	79.418	108.630	50.207	0.462	-1.113	0.011	0.037
FBgn0031483	978.649	1338.600	618.699	0.462	-1.113	0.012	0.040
FBgn0031436	3612.612	4940.532	2284.693	0.462	-1.113	0.001	0.005
FBgn0035407	179.547	245.514	113.580	0.463	-1.112	0.000	0.003
FBgn0036147	770.671	1053.782	487.560	0.463	-1.112	0.002	0.010
FBgn0038296	180.778	247.185	114.370	0.463	-1.112	0.000	0.002
FBgn0085212	119.907	163.940	75.873	0.463	-1.112	0.001	0.003
FBgn0029713	148.955	203.652	94.259	0.463	-1.111	0.000	0.003
FBgn0035337	142.483	194.797	90.170	0.463	-1.111	0.001	0.003
FBgn0037019	313.682	428.638	198.725	0.464	-1.109	0.000	0.001
FBgn0040929	52.518	71.721	33.315	0.465	-1.106	0.010	0.035
FBgn0032030	523.016	714.247	331.785	0.465	-1.106	0.000	0.000
FBgn0032338	438.517	598.750	278.284	0.465	-1.105	0.000	0.000

FBgn0262742	23543.909	32145.697	14942.121	0.465	-1.105	0.000	0.000
FBgn0014342	67.409	92.029	42.789	0.465	-1.105	0.006	0.024
FBgn0031906	96.800	132.023	61.576	0.466	-1.100	0.002	0.009
FBgn0024510	192.381	262.342	122.420	0.467	-1.100	0.000	0.002
FBgn0083985	64.209	87.555	40.862	0.467	-1.099	0.005	0.021
FBgn0039764	256.304	349.461	163.147	0.467	-1.099	0.001	0.006
FBgn0013810	46.068	62.811	29.326	0.467	-1.099	0.015	0.049
FBgn0030803	93.714	127.747	59.681	0.467	-1.098	0.004	0.016
FBgn0035470	208.251	283.841	132.661	0.467	-1.097	0.000	0.002
FBgn0032149	200.056	272.604	127.508	0.468	-1.096	0.000	0.002
FBgn0037979	527.686	718.822	336.550	0.468	-1.095	0.003	0.014
FBgn0032938	976.664	1330.419	622.909	0.468	-1.095	0.000	0.000
FBgn0036727	113.219	154.226	72.213	0.468	-1.095	0.000	0.003
FBgn0051360	388.402	529.068	247.736	0.468	-1.095	0.000	0.001
FBgn0034660	176.653	240.594	112.712	0.468	-1.094	0.000	0.001
FBgn0031717	385.375	524.743	246.008	0.469	-1.093	0.013	0.044
FBgn0032949	1304.476	1775.941	833.011	0.469	-1.092	0.000	0.000
FBgn0037149	101.325	137.852	64.798	0.470	-1.089	0.010	0.034
FBgn0023216	318.976	433.845	204.107	0.470	-1.088	0.000	0.001
FBgn0037087	955.969	1300.210	611.727	0.470	-1.088	0.000	0.001
FBgn0005322	735.525	1000.291	470.760	0.471	-1.087	0.000	0.000
FBgn0032881	742.705	1009.683	475.727	0.471	-1.086	0.003	0.013
FBgn0004087	208.686	283.647	133.726	0.471	-1.085	0.000	0.002
FBgn0011747	875.881	1190.337	561.425	0.472	-1.084	0.000	0.001
FBgn0015777	5224.620	7099.998	3349.242	0.472	-1.084	0.002	0.011
FBgn0262955	744.682	1011.819	477.546	0.472	-1.083	0.000	0.000
FBgn0038532	200.503	272.406	128.600	0.472	-1.083	0.000	0.001
FBgn0032691	167.217	227.175	107.258	0.472	-1.083	0.001	0.003
FBgn0034734	330.454	448.745	212.163	0.473	-1.081	0.001	0.003
FBgn0036811	419.187	569.126	269.248	0.473	-1.080	0.000	0.001
FBgn0030863	1036.582	1406.473	666.690	0.474	-1.077	0.000	0.000
FBgn0004607	1323.434	1795.072	851.796	0.475	-1.075	0.000	0.001
FBgn0037290	1928.505	2615.271	1241.739	0.475	-1.075	0.000	0.000
FBgn0033769	190.894	258.865	122.922	0.475	-1.074	0.002	0.007

FBgn0038871	372.903	505.682	240.124	0.475	-1.074	0.008	0.029
FBgn0025574	1284.164	1741.341	826.988	0.475	-1.074	0.000	0.000
FBgn0037835	2740.052	3715.291	1764.813	0.475	-1.074	0.000	0.001
FBgn0002673	80.133	108.634	51.632	0.475	-1.073	0.006	0.023
FBgn0051717	295.585	400.656	190.514	0.476	-1.072	0.000	0.002
FBgn0004915	685.618	929.102	442.135	0.476	-1.071	0.000	0.000
FBgn0005561	198.304	268.703	127.905	0.476	-1.071	0.016	0.050
FBgn0032167	531.136	719.655	342.617	0.476	-1.071	0.000	0.000
FBgn0033661	748.784	1014.505	483.063	0.476	-1.070	0.000	0.000
FBgn0030418	224.562	304.197	144.928	0.476	-1.070	0.000	0.002
FBgn0051040	468.368	634.341	302.396	0.477	-1.069	0.000	0.000
FBgn0037743	654.407	886.294	422.520	0.477	-1.069	0.000	0.000
FBgn0037074	2330.103	3155.366	1504.840	0.477	-1.068	0.000	0.001
FBgn0035110	411.992	557.896	266.087	0.477	-1.068	0.000	0.001
FBgn0043457	672.288	910.056	434.520	0.477	-1.067	0.004	0.017
FBgn0034093	232.952	315.252	150.653	0.478	-1.065	0.003	0.013
FBgn0025740	166.788	225.686	107.890	0.478	-1.065	0.012	0.041
FBgn0038692	173.087	234.188	111.985	0.478	-1.064	0.003	0.014
FBgn0026261	337.979	457.254	218.704	0.478	-1.064	0.002	0.010
FBgn0004366	2087.220	2822.654	1351.786	0.479	-1.062	0.001	0.005
FBgn0010052	182.241	246.385	118.097	0.479	-1.061	0.001	0.004
FBgn0039055	929.084	1255.752	602.415	0.480	-1.060	0.012	0.041
FBgn0037737	208.316	281.507	135.125	0.480	-1.059	0.006	0.024
FBgn0033187	292.160	394.734	189.586	0.480	-1.058	0.002	0.008
FBgn0039350	1131.277	1527.495	735.059	0.481	-1.055	0.000	0.000
FBgn0034247	143.798	194.101	93.495	0.482	-1.054	0.002	0.009
FBgn0260940	593.611	801.191	386.030	0.482	-1.053	0.015	0.048
FBgn0032744	332.779	448.942	216.616	0.483	-1.051	0.000	0.001
FBgn0036980	1663.442	2243.852	1083.032	0.483	-1.051	0.000	0.000
FBgn0038547	144.671	195.083	94.259	0.483	-1.049	0.005	0.020
FBgn0038436	108.417	146.182	70.653	0.483	-1.049	0.003	0.011
FBgn0033434	581.399	783.809	378.989	0.484	-1.048	0.000	0.000
FBgn0037955	1605.238	2163.426	1047.049	0.484	-1.047	0.000	0.000
FBgn0004638	782.755	1054.920	510.589	0.484	-1.047	0.000	0.000

FBgn0039254	1021.746	1376.723	666.768	0.484	-1.046	0.000	0.000
FBgn0038564	192.056	258.765	125.347	0.484	-1.046	0.001	0.003
FBgn0039830	29792.355	40119.093	19465.617	0.485	-1.043	0.005	0.021
FBgn0026777	180.804	243.411	118.198	0.486	-1.042	0.011	0.039
FBgn0002542	79.592	107.152	52.033	0.486	-1.042	0.005	0.019
FBgn0011016	1325.342	1784.213	866.471	0.486	-1.042	0.001	0.005
FBgn0031351	63.770	85.847	41.693	0.486	-1.042	0.008	0.028
FBgn0032421	173.622	233.670	113.574	0.486	-1.041	0.001	0.003
FBgn0035891	90.976	122.439	59.514	0.486	-1.041	0.004	0.016
FBgn0033899	404.658	544.567	264.749	0.486	-1.040	0.000	0.001
FBgn0002905	118.130	158.956	77.303	0.486	-1.040	0.002	0.010
FBgn0037347	856.142	1151.948	560.335	0.486	-1.040	0.000	0.000
FBgn0086254	2332.945	3138.977	1526.912	0.486	-1.040	0.000	0.000
FBgn0063498	109.183	146.852	71.515	0.487	-1.038	0.001	0.006
FBgn0036927	4394.895	5911.109	2878.682	0.487	-1.038	0.000	0.000
FBgn0026433	259.054	348.412	169.696	0.487	-1.038	0.000	0.002
FBgn0036449	704.956	948.088	461.825	0.487	-1.038	0.000	0.002
FBgn0002924	209.738	282.061	137.414	0.487	-1.037	0.000	0.003
FBgn0262509	1061.797	1427.640	695.953	0.487	-1.037	0.000	0.000
FBgn0250848	1831.756	2461.939	1201.573	0.488	-1.035	0.000	0.000
FBgn0037120	1141.695	1533.832	749.558	0.489	-1.033	0.000	0.000
FBgn0020300	94.684	127.196	62.173	0.489	-1.033	0.003	0.012
FBgn0086475	312.223	419.370	205.076	0.489	-1.032	0.000	0.002
FBgn0030706	3786.391	5085.684	2487.098	0.489	-1.032	0.011	0.038
FBgn0000370	11203.065	15038.457	7367.673	0.490	-1.029	0.000	0.000
FBgn0038601	351.103	471.230	230.976	0.490	-1.029	0.000	0.001
FBgn0052475	373.639	501.346	245.933	0.491	-1.028	0.001	0.007
FBgn0027568	1054.704	1413.822	695.586	0.492	-1.023	0.000	0.003
FBgn0052448	277.968	372.542	183.393	0.492	-1.022	0.001	0.004
FBgn0026378	284.886	381.788	187.985	0.492	-1.022	0.002	0.011
FBgn0038327	395.911	530.560	261.262	0.492	-1.022	0.000	0.001
FBgn0052441	1268.755	1700.022	837.488	0.493	-1.021	0.000	0.000
FBgn0051713	652.552	874.241	430.863	0.493	-1.021	0.002	0.008
FBgn0038279	344.507	461.531	227.483	0.493	-1.021	0.003	0.012

FBgn0024230	365.776	489.804	241.748	0.494	-1.019	0.002	0.008
FBgn0036126	127.965	171.284	84.646	0.494	-1.017	0.003	0.011
FBgn0028468	339.134	453.938	224.331	0.494	-1.017	0.000	0.002
FBgn0039297	94.776	126.846	62.707	0.494	-1.016	0.002	0.011
FBgn0035517	394.305	527.714	260.896	0.494	-1.016	0.010	0.035
FBgn0259742	182.246	243.768	120.724	0.495	-1.014	0.001	0.004
FBgn0260939	570.857	763.278	378.436	0.496	-1.012	0.000	0.001
FBgn0004227	1965.267	2626.019	1304.516	0.497	-1.009	0.000	0.000
FBgn0039467	190.224	254.172	126.276	0.497	-1.009	0.001	0.004
FBgn0027948	3318.574	4432.273	2204.874	0.497	-1.007	0.000	0.000
FBgn0036764	248.061	331.179	164.943	0.498	-1.006	0.001	0.003
FBgn0004629	8131.668	10855.440	5407.895	0.498	-1.005	0.007	0.025
FBgn0034275	164.110	219.065	109.156	0.498	-1.005	0.001	0.007
FBgn0261791	719.649	960.622	478.677	0.498	-1.005	0.003	0.012
FBgn0015924	1607.359	2145.267	1069.450	0.499	-1.004	0.000	0.000
FBgn0034564	130.802	174.530	87.075	0.499	-1.003	0.002	0.009
FBgn0053113	9382.076	12517.715	6246.436	0.499	-1.003	0.000	0.000
FBgn0039864	543.105	724.364	361.846	0.500	-1.001	0.012	0.040
FBgn0035649	497.722	663.786	331.658	0.500	-1.001	0.001	0.003
FBgn0011584	3660.184	4880.615	2439.754	0.500	-1.000	0.000	0.002
FBgn0033015	392.013	522.689	261.337	0.500	-1.000	0.000	0.002
FBgn0032727	452.254	602.844	301.663	0.500	-0.999	0.000	0.001
FBgn0000330	855.206	1139.673	570.738	0.501	-0.998	0.005	0.021
FBgn0031268	327.699	436.388	219.010	0.502	-0.995	0.000	0.002
FBgn0030629	545.066	725.603	364.528	0.502	-0.993	0.000	0.001
FBgn0263199	2686.474	3576.145	1796.803	0.502	-0.993	0.000	0.000
FBgn0011241	213.124	283.677	142.571	0.503	-0.993	0.012	0.041
FBgn0031990	3057.328	4068.828	2045.827	0.503	-0.992	0.000	0.000
FBgn0031540	59.282	78.868	39.697	0.503	-0.990	0.012	0.040
FBgn0024833	1192.598	1586.230	798.966	0.504	-0.989	0.001	0.003
FBgn0031484	292.041	388.417	195.665	0.504	-0.989	0.000	0.003
FBgn0035911	534.561	710.905	358.218	0.504	-0.989	0.000	0.001
FBgn0030687	307.127	408.212	206.043	0.505	-0.986	0.001	0.003
FBgn0036335	280.697	373.008	188.386	0.505	-0.986	0.001	0.004

FBgn0036053	1614.303	2144.415	1084.190	0.506	-0.984	0.000	0.001
FBgn0033038	579.248	769.297	389.199	0.506	-0.983	0.000	0.001
FBgn0000313	28053.842	37257.602	18850.083	0.506	-0.983	0.000	0.000
FBgn0051431	148.202	196.795	99.609	0.506	-0.982	0.001	0.007
FBgn0039868	224.272	297.635	150.909	0.507	-0.980	0.001	0.004
FBgn0032997	101.070	134.115	68.025	0.507	-0.979	0.004	0.018
FBgn0037714	492.633	653.655	331.611	0.507	-0.979	0.000	0.001
FBgn0037504	287.534	381.390	193.678	0.508	-0.978	0.016	0.050
FBgn0263599	1131.902	1500.751	763.052	0.508	-0.976	0.000	0.001
FBgn0015513	2531.919	3356.048	1707.791	0.509	-0.975	0.000	0.001
FBgn0030816	266.820	353.668	179.973	0.509	-0.975	0.001	0.005
FBgn0029113	822.184	1089.481	554.887	0.509	-0.973	0.000	0.001
FBgn0030588	160.675	212.696	108.654	0.511	-0.969	0.002	0.010
FBgn0030864	88.390	117.001	59.779	0.511	-0.969	0.009	0.031
FBgn0002719	21109.846	27922.933	14296.759	0.512	-0.966	0.012	0.040
FBgn0036984	1048.374	1386.613	710.135	0.512	-0.965	0.001	0.005
FBgn0040056	557.316	736.702	377.931	0.513	-0.963	0.002	0.008
FBgn0036614	246.368	325.595	167.141	0.513	-0.962	0.001	0.005
FBgn0033569	159.621	210.921	108.322	0.514	-0.961	0.002	0.009
FBgn0034417	277.783	367.049	188.518	0.514	-0.961	0.001	0.007
FBgn0010382	102.577	135.533	69.620	0.514	-0.961	0.006	0.023
FBgn0013750	961.374	1270.169	652.579	0.514	-0.961	0.001	0.007
FBgn0053110	1028.396	1358.306	698.485	0.514	-0.960	0.000	0.001
FBgn0036945	163.920	216.489	111.351	0.514	-0.959	0.012	0.041
FBgn0036486	110.419	145.795	75.042	0.515	-0.958	0.005	0.018
FBgn0029789	504.599	666.206	342.993	0.515	-0.958	0.000	0.002
FBgn0037081	685.355	904.566	466.145	0.515	-0.956	0.000	0.001
FBgn0033579	79.530	104.930	54.129	0.516	-0.955	0.010	0.034
FBgn0051195	1059.718	1398.140	721.296	0.516	-0.955	0.000	0.001
FBgn0032162	283.358	373.812	192.905	0.516	-0.954	0.001	0.004
FBgn0000139	700.945	924.450	477.439	0.516	-0.953	0.000	0.002
FBgn0035083	1301.030	1714.044	888.017	0.518	-0.949	0.002	0.008
FBgn0005278	3848.451	5069.195	2627.708	0.518	-0.948	0.001	0.003
FBgn0015509	2696.961	3551.380	1842.542	0.519	-0.947	0.000	0.001



FBgn0035271	269.152	354.308	183.996	0.519	-0.945	0.008	0.029
FBgn0032705	114.477	150.652	78.301	0.520	-0.944	0.006	0.022
FBgn0027582	690.894	909.200	472.588	0.520	-0.944	0.000	0.002
FBgn0051633	87.829	115.579	60.079	0.520	-0.944	0.008	0.030
FBgn0036893	352.386	463.696	241.076	0.520	-0.944	0.000	0.002
FBgn0034943	421.105	553.776	288.434	0.521	-0.941	0.000	0.003
FBgn0038680	246.854	324.508	169.201	0.521	-0.940	0.001	0.006
FBgn0263659	167.416	220.029	114.803	0.522	-0.939	0.002	0.008
FBgn0027359	908.964	1193.963	623.964	0.523	-0.936	0.000	0.001
FBgn0027070	424.760	557.706	291.813	0.523	-0.934	0.000	0.003
FBgn0039084	245.493	322.312	168.673	0.523	-0.934	0.009	0.033
FBgn0260741	132.639	174.113	91.164	0.524	-0.933	0.004	0.015
FBgn0067628	83.246	109.274	57.218	0.524	-0.933	0.008	0.028
FBgn0051155	313.246	411.174	215.318	0.524	-0.933	0.001	0.006
FBgn0032907	121.819	159.853	83.784	0.524	-0.932	0.005	0.020
FBgn0036018	311.661	408.769	214.554	0.525	-0.930	0.005	0.019
FBgn0052095	277.457	363.900	191.013	0.525	-0.930	0.001	0.006
FBgn0039727	300.292	393.814	206.769	0.525	-0.929	0.001	0.004
FBgn0031608	154.800	202.974	106.626	0.525	-0.929	0.003	0.013
FBgn0037011	471.196	617.558	324.834	0.526	-0.927	0.001	0.003
FBgn0037690	358.935	470.300	247.571	0.526	-0.926	0.001	0.004
FBgn0051344	739.033	968.136	509.929	0.527	-0.925	0.000	0.002
FBgn0035848	251.140	328.953	173.328	0.527	-0.924	0.001	0.007
FBgn0029863	674.946	884.054	465.839	0.527	-0.924	0.000	0.002
FBgn0052022	169.542	222.020	117.064	0.527	-0.923	0.002	0.010
FBgn0039942	261.210	341.980	180.440	0.528	-0.922	0.001	0.007
FBgn0039936	1438.520	1883.306	993.734	0.528	-0.922	0.000	0.001
FBgn0001185	285.746	374.091	197.402	0.528	-0.922	0.014	0.045
FBgn0033413	1826.583	2391.307	1261.858	0.528	-0.922	0.000	0.001
FBgn0002774	1648.217	2157.562	1138.873	0.528	-0.922	0.000	0.002
FBgn0034277	706.188	924.397	487.978	0.528	-0.922	0.000	0.002
FBgn0042138	2584.449	3382.720	1786.177	0.528	-0.921	0.000	0.001
FBgn0262467	408.971	535.262	282.680	0.528	-0.921	0.006	0.024
FBgn0032864	2069.213	2707.087	1431.339	0.529	-0.919	0.000	0.001

FBgn0020381	444.579	581.580	307.578	0.529	-0.919	0.002	0.010
FBgn0038577	589.173	770.692	407.655	0.529	-0.919	0.009	0.033
FBgn0040339	211.672	276.787	146.557	0.529	-0.917	0.002	0.009
FBgn0027583	400.626	523.828	277.425	0.530	-0.917	0.004	0.018
FBgn0010220	335.183	438.159	232.207	0.530	-0.916	0.001	0.005
FBgn0003732	957.339	1251.340	663.339	0.530	-0.916	0.000	0.002
FBgn0038666	221.442	289.342	153.543	0.531	-0.914	0.013	0.042
FBgn0035169	479.882	626.975	332.789	0.531	-0.914	0.001	0.004
FBgn0029525	241.798	315.858	167.738	0.531	-0.913	0.007	0.027
FBgn0029118	265.439	346.719	184.160	0.531	-0.913	0.003	0.012
FBgn0030625	192.182	251.008	133.356	0.531	-0.912	0.002	0.008
FBgn0029762	1408.319	1838.972	977.666	0.532	-0.911	0.000	0.002
FBgn0037117	327.036	426.952	227.120	0.532	-0.911	0.001	0.005
FBgn0033347	345.406	450.896	239.916	0.532	-0.910	0.001	0.004
FBgn0039863	1836.856	2397.023	1276.688	0.533	-0.909	0.000	0.002
FBgn0031985	2020.786	2636.676	1404.895	0.533	-0.908	0.000	0.001
FBgn0262517	754.476	984.376	524.577	0.533	-0.908	0.000	0.002
FBgn0036299	862.518	1125.134	599.903	0.533	-0.907	0.000	0.002
FBgn0039306	521.053	679.527	362.579	0.534	-0.906	0.001	0.004
FBgn0011230	6410.766	8359.136	4462.396	0.534	-0.906	0.000	0.001
FBgn0003444	177.223	230.994	123.452	0.534	-0.904	0.002	0.011
FBgn0004784	9801.068	12770.341	6831.796	0.535	-0.902	0.000	0.001
FBgn0040389	552.266	719.540	384.992	0.535	-0.902	0.006	0.023
FBgn0033891	215.163	280.175	150.151	0.536	-0.900	0.003	0.012
FBgn0033387	250.178	325.733	174.623	0.536	-0.899	0.002	0.011
FBgn0036842	377.083	490.939	263.226	0.536	-0.899	0.001	0.005
FBgn0038856	386.190	502.775	269.606	0.536	-0.899	0.001	0.005
FBgn0036850	103.553	134.789	72.317	0.537	-0.898	0.008	0.030
FBgn0031566	1096.249	1426.648	765.850	0.537	-0.897	0.000	0.002
FBgn0033985	306.103	398.351	213.856	0.537	-0.897	0.008	0.030
FBgn0001104	478.398	622.020	334.776	0.538	-0.894	0.005	0.021
FBgn0019938	458.384	595.954	320.814	0.538	-0.893	0.001	0.005
FBgn0261999	693.222	901.186	485.258	0.538	-0.893	0.000	0.003
FBgn0037063	3122.317	4058.615	2186.019	0.539	-0.893	0.000	0.001

FBgn0003567	498.966	648.023	349.909	0.540	-0.889	0.001	0.005
FBgn0011581	3997.586	5191.547	2803.625	0.540	-0.889	0.000	0.001
FBgn0050392	289.093	375.371	202.815	0.540	-0.888	0.001	0.006
FBgn0015279	749.177	972.692	525.662	0.540	-0.888	0.003	0.013
FBgn0033556	600.801	779.986	421.617	0.541	-0.888	0.000	0.003
FBgn0052262	130.411	169.256	91.565	0.541	-0.886	0.005	0.018
FBgn0015663	93.049	120.697	65.401	0.542	-0.884	0.013	0.042
FBgn0035132	338.489	439.023	237.955	0.542	-0.884	0.001	0.006
FBgn0037963	1355.560	1758.076	953.043	0.542	-0.883	0.000	0.002
FBgn0015618	124.736	161.763	87.709	0.542	-0.883	0.009	0.031
FBgn0033905	330.229	428.054	232.403	0.543	-0.881	0.001	0.007
FBgn0039886	340.878	441.703	240.052	0.543	-0.880	0.001	0.007
FBgn0031630	422.930	547.992	297.867	0.544	-0.879	0.001	0.005
FBgn0039620	1618.830	2096.952	1140.709	0.544	-0.878	0.000	0.002
FBgn0033191	1050.451	1360.395	740.507	0.544	-0.877	0.001	0.007
FBgn0015793	678.147	877.994	478.300	0.545	-0.876	0.009	0.031
FBgn0036549	308.942	399.941	217.942	0.545	-0.876	0.003	0.013
FBgn0020312	792.979	1026.491	559.467	0.545	-0.876	0.001	0.003
FBgn0037808	6093.974	7887.063	4300.885	0.545	-0.875	0.001	0.004
FBgn0030260	235.253	304.435	166.071	0.546	-0.874	0.002	0.010
FBgn0036900	636.163	823.152	449.174	0.546	-0.874	0.001	0.003
FBgn0032216	622.760	805.245	440.274	0.547	-0.871	0.001	0.005
FBgn0030710	236.592	305.909	167.274	0.547	-0.871	0.002	0.011
FBgn0030320	310.457	401.307	219.607	0.547	-0.870	0.002	0.008
FBgn0003965	932.683	1205.320	660.045	0.548	-0.869	0.001	0.004
FBgn0029693	909.664	1175.546	643.781	0.548	-0.869	0.000	0.003
FBgn0051345	283.984	366.981	200.987	0.548	-0.869	0.001	0.007
FBgn0045761	836.016	1080.243	591.789	0.548	-0.868	0.001	0.007
FBgn0034474	1803.633	2330.430	1276.836	0.548	-0.868	0.002	0.007
FBgn0027784	219.068	283.037	155.100	0.548	-0.868	0.003	0.013
FBgn0085377	302.377	390.636	214.118	0.548	-0.867	0.002	0.009
FBgn0036560	815.552	1053.357	577.746	0.548	-0.866	0.001	0.003
FBgn0036574	130.653	168.742	92.563	0.549	-0.866	0.008	0.029
FBgn0036461	157.313	203.045	111.581	0.550	-0.864	0.006	0.022

FBgn0023213	2682.823	3461.099	1904.548	0.550	-0.862	0.001	0.005
FBgn0025676	214.124	276.173	152.074	0.551	-0.861	0.002	0.010
FBgn0052702	539.614	695.875	383.353	0.551	-0.860	0.001	0.005
FBgn0010894	506.587	653.275	359.899	0.551	-0.860	0.008	0.028
FBgn0011260	517.134	666.872	367.395	0.551	-0.860	0.001	0.005
FBgn0030040	221.927	286.156	157.699	0.551	-0.860	0.002	0.010
FBgn0011232	677.881	874.026	481.737	0.551	-0.859	0.002	0.010
FBgn0030164	383.222	494.047	272.397	0.551	-0.859	0.001	0.006
FBgn0053123	961.713	1239.738	683.687	0.551	-0.859	0.001	0.004
FBgn0036973	107.334	138.328	76.340	0.552	-0.858	0.014	0.045
FBgn0035900	825.686	1063.578	587.795	0.553	-0.856	0.001	0.004
FBgn0262801	1449.192	1866.404	1031.979	0.553	-0.855	0.001	0.003
FBgn0033050	791.131	1018.835	563.427	0.553	-0.855	0.001	0.005
FBgn0038682	431.947	556.258	307.636	0.553	-0.855	0.001	0.005
FBgn0037684	699.988	901.128	498.848	0.554	-0.853	0.003	0.014
FBgn0000283	1893.190	2436.913	1349.466	0.554	-0.853	0.001	0.003
FBgn0035817	2158.452	2778.053	1538.851	0.554	-0.852	0.000	0.003
FBgn0026376	887.546	1142.216	632.877	0.554	-0.852	0.001	0.004
FBgn0037798	272.013	350.057	193.969	0.554	-0.852	0.003	0.014
FBgn0032703	373.942	481.205	266.678	0.554	-0.852	0.001	0.007
FBgn0037739	169.156	217.654	120.658	0.554	-0.851	0.006	0.023
FBgn0003268	130.142	167.421	92.863	0.555	-0.850	0.012	0.041
FBgn0034182	168.360	216.493	120.228	0.555	-0.849	0.006	0.021
FBgn0086909	554.402	712.784	396.020	0.556	-0.848	0.001	0.005
FBgn0001208	5527.895	7102.823	3952.967	0.557	-0.845	0.000	0.003
FBgn0039130	302.948	389.217	216.679	0.557	-0.845	0.002	0.011
FBgn0039712	886.090	1138.337	633.843	0.557	-0.845	0.001	0.005
FBgn0086690	2042.132	2623.079	1461.185	0.557	-0.844	0.000	0.003
FBgn0025185	201.388	258.676	144.100	0.557	-0.844	0.005	0.019
FBgn0052707	173.213	222.478	123.948	0.557	-0.844	0.006	0.023
FBgn0011836	290.172	372.542	207.802	0.558	-0.842	0.002	0.011
FBgn0038525	82.681	106.151	59.211	0.558	-0.842	0.007	0.027
FBgn0035985	4013.650	5152.304	2874.995	0.558	-0.842	0.001	0.004
FBgn0015269	2070.755	2657.065	1484.445	0.559	-0.840	0.000	0.003

FBgn0004580	2606.446	3344.138	1868.753	0.559	-0.840	0.014	0.046
FBgn0039602	303.669	389.534	217.804	0.559	-0.839	0.002	0.009
FBgn0039854	679.713	871.704	487.721	0.560	-0.838	0.003	0.011
FBgn0259229	372.186	477.264	267.108	0.560	-0.837	0.002	0.011
FBgn0031969	887.270	1137.726	636.814	0.560	-0.837	0.001	0.005
FBgn0010014	778.452	997.800	559.103	0.560	-0.836	0.001	0.005
FBgn0030425	1462.368	1873.216	1051.520	0.561	-0.833	0.001	0.005
FBgn0052225	1416.377	1812.816	1019.938	0.563	-0.830	0.001	0.004
FBgn0032635	469.121	600.369	337.873	0.563	-0.829	0.002	0.009
FBgn0034237	5863.838	7504.020	4223.657	0.563	-0.829	0.001	0.003
FBgn0259979	467.738	598.512	336.964	0.563	-0.829	0.002	0.009
FBgn0039207	650.081	831.829	468.334	0.563	-0.829	0.014	0.045
FBgn0038460	525.597	672.523	378.672	0.563	-0.829	0.002	0.010
FBgn0034716	893.247	1142.915	643.579	0.563	-0.829	0.001	0.005
FBgn0030041	7835.556	10022.318	5648.793	0.564	-0.827	0.001	0.003
FBgn0003210	1280.118	1637.315	922.922	0.564	-0.827	0.001	0.004
FBgn0036046	3360.159	4297.170	2423.148	0.564	-0.827	0.001	0.003
FBgn0040372	914.198	1169.118	659.278	0.564	-0.826	0.001	0.005
FBgn0012037	773.290	988.708	557.872	0.564	-0.826	0.001	0.006
FBgn0038639	329.159	420.822	237.497	0.564	-0.825	0.010	0.036
FBgn0038816	1175.686	1502.967	848.405	0.564	-0.825	0.008	0.031
FBgn0026737	332.346	424.838	239.853	0.565	-0.825	0.003	0.014
FBgn0023527	665.656	850.737	480.574	0.565	-0.824	0.002	0.007
FBgn0033526	113.066	144.477	81.655	0.565	-0.823	0.014	0.046
FBgn0010348	4948.738	6322.391	3575.085	0.565	-0.822	0.002	0.007
FBgn0020369	1462.604	1868.228	1056.980	0.566	-0.822	0.001	0.006
FBgn0031195	675.829	863.068	488.590	0.566	-0.821	0.002	0.008
FBgn0030743	997.885	1274.246	721.524	0.566	-0.821	0.007	0.027
FBgn0039915	258.266	329.783	186.750	0.566	-0.820	0.003	0.012
FBgn0032614	291.162	371.724	210.600	0.567	-0.820	0.007	0.026
FBgn0046687	166.840	212.987	120.692	0.567	-0.819	0.008	0.030
FBgn0017457	603.494	770.317	436.672	0.567	-0.819	0.001	0.007
FBgn0034179	1287.737	1643.676	931.797	0.567	-0.819	0.001	0.006
FBgn0034964	745.540	951.465	539.615	0.567	-0.818	0.001	0.007

FBgn0001491	1028.543	1311.682	745.404	0.568	-0.815	0.001	0.006
FBgn0036146	978.418	1247.328	709.508	0.569	-0.814	0.001	0.006
FBgn0033989	290.892	370.827	210.957	0.569	-0.814	0.006	0.024
FBgn0034113	273.629	348.765	198.492	0.569	-0.813	0.004	0.015
FBgn0016059	1626.417	2072.441	1180.392	0.570	-0.812	0.001	0.005
FBgn0037895	622.390	792.899	451.880	0.570	-0.811	0.002	0.009
FBgn0050345	211.756	269.708	153.805	0.570	-0.810	0.005	0.021
FBgn0028699	1441.227	1835.474	1046.980	0.570	-0.810	0.001	0.005
FBgn0030344	494.493	629.610	359.377	0.571	-0.809	0.002	0.009
FBgn0031145	1581.532	2012.998	1150.067	0.571	-0.808	0.001	0.006
FBgn0033902	1814.046	2308.706	1319.387	0.571	-0.807	0.001	0.005
FBgn0032194	151.125	192.295	109.955	0.572	-0.806	0.014	0.046
FBgn0028663	1451.711	1846.907	1056.515	0.572	-0.806	0.010	0.035
FBgn0014032	382.031	486.015	278.047	0.572	-0.806	0.003	0.012
FBgn0003862	3292.658	4187.489	2397.827	0.573	-0.804	0.001	0.005
FBgn0036187	221.532	281.712	161.353	0.573	-0.804	0.007	0.025
FBgn0028744	628.994	799.725	458.263	0.573	-0.803	0.002	0.009
FBgn0032487	159.528	202.788	116.268	0.573	-0.803	0.011	0.039
FBgn0038928	131.458	167.097	95.819	0.573	-0.802	0.013	0.042
FBgn0259221	3147.475	4000.427	2294.523	0.574	-0.802	0.001	0.007
FBgn0034748	228.275	290.079	166.472	0.574	-0.801	0.006	0.023
FBgn0034345	2519.326	3201.316	1837.335	0.574	-0.801	0.001	0.005
FBgn0033088	272.236	345.915	198.558	0.574	-0.801	0.005	0.021
FBgn0040323	438.135	556.221	320.049	0.575	-0.797	0.003	0.014
FBgn0037142	704.155	893.694	514.616	0.576	-0.796	0.002	0.009
FBgn0023536	269.733	342.308	197.159	0.576	-0.796	0.005	0.019
FBgn0038418	266.460	338.120	194.800	0.576	-0.796	0.005	0.019
FBgn0031500	316.774	401.940	231.607	0.576	-0.795	0.005	0.020
FBgn0020503	5309.616	6736.323	3882.909	0.576	-0.795	0.001	0.005
FBgn0031573	179.165	227.298	131.032	0.576	-0.795	0.009	0.031
FBgn0032029	1322.037	1676.904	967.170	0.577	-0.794	0.001	0.006
FBgn0051100	299.577	379.983	219.171	0.577	-0.794	0.004	0.016
FBgn0027505	496.137	629.268	363.006	0.577	-0.794	0.005	0.019
FBgn0261671	5233.700	6637.441	3829.959	0.577	-0.793	0.001	0.007

FBgn0037897	846.453	1073.319	619.587	0.577	-0.793	0.002	0.009
FBgn0035980	155.563	197.250	113.877	0.577	-0.793	0.012	0.039
FBgn0264324	2105.009	2668.891	1541.128	0.577	-0.792	0.004	0.015
FBgn0031977	528.880	670.516	387.244	0.578	-0.792	0.003	0.012
FBgn0044452	2489.853	3156.220	1823.486	0.578	-0.791	0.001	0.006
FBgn0005777	1045.495	1325.272	765.719	0.578	-0.791	0.001	0.006
FBgn0033160	1225.629	1553.564	897.694	0.578	-0.791	0.001	0.007
FBgn0002775	408.420	517.537	299.304	0.578	-0.790	0.003	0.014
FBgn0013272	7796.299	9878.987	5713.612	0.578	-0.790	0.001	0.005
FBgn0036272	1338.074	1694.625	981.522	0.579	-0.788	0.001	0.007
FBgn0025582	2905.254	3678.065	2132.442	0.580	-0.786	0.001	0.006
FBgn0038349	1382.945	1750.725	1015.165	0.580	-0.786	0.002	0.007
FBgn0033404	124.974	158.186	91.761	0.580	-0.786	0.014	0.046
FBgn0021795	2158.235	2731.397	1585.073	0.580	-0.785	0.001	0.007
FBgn0032120	607.920	769.360	446.481	0.580	-0.785	0.002	0.009
FBgn0034400	1880.574	2379.899	1381.249	0.580	-0.785	0.001	0.007
FBgn0027546	287.332	363.572	211.092	0.581	-0.784	0.005	0.019
FBgn0052428	353.515	447.297	259.733	0.581	-0.784	0.013	0.044
FBgn0260858	1400.627	1772.158	1029.096	0.581	-0.784	0.002	0.009
FBgn0034180	2176.243	2748.901	1603.584	0.583	-0.778	0.009	0.032
FBgn0036740	1068.076	1348.453	787.699	0.584	-0.776	0.004	0.016
FBgn0033712	188.905	238.431	139.379	0.585	-0.775	0.010	0.036
FBgn0043005	398.179	502.548	293.809	0.585	-0.774	0.004	0.016
FBgn0037199	2207.388	2785.049	1629.726	0.585	-0.773	0.002	0.007
FBgn0035028	430.879	543.461	318.296	0.586	-0.772	0.012	0.040
FBgn0039943	616.489	777.504	455.474	0.586	-0.771	0.003	0.014
FBgn0037215	1723.618	2173.449	1273.786	0.586	-0.771	0.002	0.009
FBgn0036909	163.590	206.257	120.923	0.586	-0.770	0.013	0.043
FBgn0261808	920.541	1160.525	680.557	0.586	-0.770	0.002	0.011
FBgn0086856	251.424	316.856	185.992	0.587	-0.769	0.009	0.033
FBgn0028690	960.207	1209.715	710.700	0.587	-0.767	0.006	0.024
FBgn0001179	340.434	428.750	252.119	0.588	-0.766	0.004	0.017
FBgn0037592	1076.795	1356.009	797.580	0.588	-0.766	0.002	0.009
FBgn0015609	3559.767	4481.695	2637.840	0.589	-0.765	0.001	0.007

FBgn0037578	195.447	246.065	144.830	0.589	-0.765	0.012	0.040
FBgn0051793	978.343	1231.300	725.386	0.589	-0.763	0.008	0.030
FBgn0031657	340.877	428.567	253.186	0.591	-0.759	0.006	0.024
FBgn0034261	1369.646	1721.882	1017.410	0.591	-0.759	0.002	0.011
FBgn0036974	1194.852	1502.083	887.620	0.591	-0.759	0.002	0.009
FBgn0035704	356.073	447.629	264.518	0.591	-0.759	0.005	0.021
FBgn0038183	671.328	843.620	499.036	0.592	-0.757	0.014	0.046
FBgn0036090	523.670	657.544	389.796	0.593	-0.754	0.004	0.016
FBgn0031458	221.315	277.889	164.741	0.593	-0.754	0.010	0.034
FBgn0085354	555.610	697.416	413.804	0.593	-0.753	0.010	0.035
FBgn0034398	13519.118	16968.352	10069.885	0.593	-0.753	0.006	0.023
FBgn0046876	330.083	414.193	245.973	0.594	-0.752	0.007	0.027
FBgn0040260	583.058	731.592	434.523	0.594	-0.752	0.005	0.019
FBgn0262167	388.467	487.313	289.622	0.594	-0.751	0.004	0.017
FBgn0027496	1109.625	1391.877	827.374	0.594	-0.750	0.003	0.013
FBgn0263979	406.817	510.208	303.425	0.595	-0.750	0.006	0.022
FBgn0027509	387.452	485.847	289.056	0.595	-0.749	0.005	0.021
FBgn0039789	895.032	1122.228	667.836	0.595	-0.749	0.004	0.015
FBgn0032156	4618.183	5790.106	3446.260	0.595	-0.749	0.004	0.015
FBgn0004456	575.310	721.092	429.528	0.596	-0.747	0.003	0.014
FBgn0024330	304.259	381.300	227.218	0.596	-0.747	0.007	0.026
FBgn0037241	448.222	561.577	334.868	0.596	-0.746	0.004	0.015
FBgn0030300	369.233	462.602	275.865	0.596	-0.746	0.006	0.023
FBgn0040308	190.252	238.334	142.170	0.597	-0.745	0.013	0.043
FBgn0052486	5091.783	6377.400	3806.165	0.597	-0.745	0.002	0.009
FBgn0261393	189.000	236.629	141.372	0.597	-0.743	0.014	0.046
FBgn0026380	1008.023	1261.706	754.339	0.598	-0.742	0.014	0.046
FBgn0010421	256.520	320.969	192.072	0.598	-0.741	0.008	0.031
FBgn0035064	310.172	388.000	232.343	0.599	-0.740	0.009	0.034
FBgn0039183	336.875	421.332	252.419	0.599	-0.739	0.007	0.027
FBgn0038581	429.654	537.294	322.014	0.599	-0.739	0.008	0.029
FBgn0032101	434.299	542.959	325.639	0.600	-0.738	0.009	0.032
FBgn0022787	2294.288	2867.582	1720.993	0.600	-0.737	0.003	0.012
FBgn0033421	311.368	389.035	233.701	0.601	-0.735	0.009	0.033



FBgn0052432	4184.794	5223.905	3145.683	0.602	-0.732	0.003	0.011
FBgn0039487	531.805	663.537	400.072	0.603	-0.730	0.005	0.021
FBgn0002937	1077.532	1344.374	810.689	0.603	-0.730	0.003	0.014
FBgn0052344	475.960	593.799	358.120	0.603	-0.730	0.006	0.024
FBgn0036257	1569.298	1957.830	1180.766	0.603	-0.730	0.003	0.012
FBgn0002938	57264.785	71425.480	43104.091	0.603	-0.729	0.005	0.020
FBgn0030851	215.680	268.975	162.385	0.604	-0.728	0.015	0.049
FBgn0033209	1109.886	1383.799	835.972	0.604	-0.727	0.008	0.028
FBgn0053523	1363.120	1699.475	1026.765	0.604	-0.727	0.003	0.013
FBgn0040324	355.652	443.359	267.944	0.604	-0.727	0.006	0.024
FBgn0263350	2940.342	3664.302	2216.383	0.605	-0.725	0.003	0.011
FBgn0038475	269.209	335.474	202.945	0.605	-0.725	0.009	0.032
FBgn0034367	383.285	477.606	288.964	0.605	-0.725	0.008	0.028
FBgn0034958	1148.660	1431.225	866.095	0.605	-0.725	0.003	0.012
FBgn0036239	1723.001	2146.776	1299.226	0.605	-0.725	0.003	0.013
FBgn0032679	1563.051	1947.185	1178.918	0.605	-0.724	0.003	0.014
FBgn0051321	488.498	608.543	368.454	0.605	-0.724	0.006	0.022
FBgn0016123	1083.668	1349.940	817.397	0.606	-0.724	0.004	0.016
FBgn0036846	271.710	338.448	204.972	0.606	-0.724	0.011	0.038
FBgn0041205	859.486	1070.576	648.397	0.606	-0.723	0.011	0.037
FBgn0000043	679.557	846.356	512.759	0.606	-0.723	0.005	0.018
FBgn0039137	786.744	979.566	593.921	0.606	-0.722	0.005	0.020
FBgn0033451	469.013	583.936	354.091	0.606	-0.722	0.007	0.027
FBgn0032230	331.027	412.123	249.930	0.606	-0.722	0.009	0.031
FBgn0039160	292.589	364.216	220.962	0.607	-0.721	0.009	0.031
FBgn0039249	509.895	634.508	385.283	0.607	-0.720	0.007	0.025
FBgn0033846	659.771	820.665	498.876	0.608	-0.718	0.004	0.016
FBgn0031233	544.602	677.327	411.877	0.608	-0.718	0.005	0.021
FBgn0001206	284.123	353.098	215.148	0.609	-0.715	0.012	0.041
FBgn0001276	327.439	406.748	248.131	0.610	-0.713	0.013	0.043
FBgn0039612	327.509	406.790	248.228	0.610	-0.713	0.009	0.032
FBgn0086134	1086.590	1349.053	824.126	0.611	-0.711	0.005	0.020
FBgn0037031	293.191	363.951	222.430	0.611	-0.710	0.010	0.035
FBgn0030612	539.617	669.716	409.518	0.611	-0.710	0.007	0.027

FBgn0033206	645.758	801.184	490.331	0.612	-0.708	0.005	0.019
FBgn0037447	595.155	738.125	452.186	0.613	-0.707	0.008	0.028
FBgn0035411	821.976	1019.319	624.634	0.613	-0.707	0.005	0.021
FBgn0259682	8339.582	10337.828	6341.336	0.613	-0.705	0.003	0.013
FBgn0039117	336.585	416.727	256.443	0.615	-0.700	0.010	0.034
FBgn0038897	312.914	387.408	238.420	0.615	-0.700	0.010	0.036
FBgn0038388	775.011	959.441	590.581	0.616	-0.700	0.006	0.022
FBgn0051388	288.501	357.099	219.904	0.616	-0.699	0.011	0.038
FBgn0051249	261.107	323.057	199.158	0.616	-0.698	0.015	0.047
FBgn0036741	1515.090	1873.927	1156.254	0.617	-0.697	0.004	0.017
FBgn0033352	1333.267	1648.843	1017.692	0.617	-0.696	0.005	0.020
FBgn0020372	3989.783	4928.291	3051.276	0.619	-0.692	0.004	0.017
FBgn0034053	351.041	433.436	268.645	0.620	-0.690	0.013	0.043
FBgn0016700	2809.588	3468.996	2150.179	0.620	-0.690	0.005	0.019
FBgn0037262	1130.261	1395.531	864.992	0.620	-0.690	0.013	0.042
FBgn0029899	2502.342	3089.571	1915.113	0.620	-0.690	0.005	0.019
FBgn0003248	6614.816	8165.458	5064.173	0.620	-0.689	0.004	0.015
FBgn0033984	853.957	1054.086	653.827	0.620	-0.689	0.006	0.023
FBgn0039152	6723.297	8298.856	5147.739	0.620	-0.689	0.003	0.014
FBgn0027518	314.505	388.157	240.854	0.621	-0.688	0.014	0.046
FBgn0024889	1950.050	2406.546	1493.554	0.621	-0.688	0.006	0.022
FBgn0032729	866.582	1069.155	664.008	0.621	-0.687	0.008	0.030
FBgn0039277	453.354	559.299	347.408	0.621	-0.687	0.009	0.031
FBgn0015218	3757.238	4635.124	2879.351	0.621	-0.687	0.004	0.015
FBgn0262109	65966.496	81326.729	50606.263	0.622	-0.684	0.004	0.016
FBgn0016687	5972.298	7361.233	4583.362	0.623	-0.684	0.004	0.017
FBgn0025726	3380.129	4163.695	2596.563	0.624	-0.681	0.004	0.016
FBgn0031897	1946.465	2397.318	1495.613	0.624	-0.681	0.005	0.020
FBgn0027599	387.590	477.316	297.864	0.624	-0.680	0.010	0.034
FBgn0034218	765.299	942.237	588.360	0.624	-0.679	0.007	0.026
FBgn0026370	2457.400	3024.672	1890.128	0.625	-0.678	0.005	0.019
FBgn0035770	12079.845	14859.499	9300.192	0.626	-0.676	0.004	0.018
FBgn0034029	278.752	342.624	214.879	0.627	-0.673	0.015	0.048
FBgn0028665	4020.675	4940.239	3101.110	0.628	-0.672	0.005	0.021

FBgn0026326	344.543	423.301	265.784	0.628	-0.671	0.015	0.048
FBgn0030740	1927.237	2367.705	1486.769	0.628	-0.671	0.012	0.040
FBgn0264305	540.281	663.727	416.835	0.628	-0.671	0.010	0.036
FBgn0250839	1947.608	2392.227	1502.988	0.628	-0.671	0.007	0.025
FBgn0038826	3969.431	4875.603	3063.258	0.628	-0.671	0.005	0.020
FBgn0022987	1693.458	2079.679	1307.238	0.629	-0.670	0.005	0.019
FBgn0011207	975.826	1197.720	753.932	0.629	-0.668	0.008	0.030
FBgn0004569	340.116	417.442	262.790	0.630	-0.668	0.015	0.047
FBgn0010435	5752.443	7059.894	4444.992	0.630	-0.667	0.005	0.020
FBgn0032455	905.511	1111.277	699.745	0.630	-0.667	0.009	0.031
FBgn0036005	330.144	405.144	255.145	0.630	-0.667	0.015	0.047
FBgn0053527	463.943	569.282	358.604	0.630	-0.667	0.008	0.031
FBgn0038293	2359.848	2895.088	1824.608	0.630	-0.666	0.010	0.034
FBgn0039219	594.324	729.091	459.558	0.630	-0.666	0.012	0.040
FBgn0052091	437.108	536.181	338.035	0.630	-0.666	0.012	0.041
FBgn0029088	837.094	1026.651	647.536	0.631	-0.665	0.008	0.030
FBgn0086347	692.952	849.747	536.157	0.631	-0.664	0.009	0.033
FBgn0036515	957.384	1173.939	740.829	0.631	-0.664	0.009	0.031
FBgn0016917	3245.006	3978.590	2511.421	0.631	-0.664	0.006	0.023
FBgn0039626	393.329	482.203	304.455	0.631	-0.663	0.013	0.043
FBgn0052672	8548.788	10479.800	6617.776	0.631	-0.663	0.010	0.035
FBgn0016715	868.816	1064.617	673.015	0.632	-0.662	0.015	0.049
FBgn0263973	412.333	505.087	319.579	0.633	-0.660	0.012	0.040
FBgn0043362	3246.048	3975.586	2516.511	0.633	-0.660	0.006	0.023
FBgn0051118	462.635	566.554	358.717	0.633	-0.659	0.014	0.046
FBgn0040273	1050.878	1286.634	815.122	0.634	-0.659	0.010	0.035
FBgn0030030	1054.210	1290.541	817.880	0.634	-0.658	0.009	0.033
FBgn0001202	1836.771	2247.988	1425.555	0.634	-0.657	0.008	0.028
FBgn0250757	548.682	670.925	426.439	0.636	-0.654	0.011	0.038
FBgn0036262	17810.055	21771.299	13848.811	0.636	-0.653	0.005	0.020
FBgn0032136	13539.651	16549.062	10530.239	0.636	-0.652	0.006	0.022
FBgn0086532	1011.054	1235.391	786.716	0.637	-0.651	0.009	0.033
FBgn0033062	2178.183	2661.434	1694.931	0.637	-0.651	0.006	0.023
FBgn0034605	423.156	516.930	329.382	0.637	-0.650	0.013	0.043

FBgn0036666	1837.818	2243.714	1431.922	0.638	-0.648	0.007	0.028
FBgn0034162	2159.330	2633.726	1684.935	0.640	-0.644	0.012	0.040
FBgn0028954	745.813	909.383	582.243	0.640	-0.643	0.013	0.042
FBgn0034315	614.591	749.216	479.965	0.641	-0.642	0.012	0.041
FBgn0039156	920.387	1121.755	719.020	0.641	-0.642	0.012	0.039
FBgn0037138	8677.802	10567.541	6788.062	0.642	-0.639	0.007	0.027
FBgn0262707	747.800	910.604	584.997	0.642	-0.638	0.013	0.042
FBgn0039623	835.904	1017.249	654.560	0.643	-0.636	0.012	0.040
FBgn0030431	726.106	883.417	568.796	0.644	-0.635	0.010	0.036
FBgn0031231	976.205	1187.506	764.903	0.644	-0.635	0.011	0.038
FBgn0037470	1114.691	1355.484	873.898	0.645	-0.633	0.011	0.037
FBgn0002121	508.723	618.372	399.074	0.645	-0.632	0.013	0.044
FBgn0039114	7568.124	9191.814	5944.434	0.647	-0.629	0.007	0.027
FBgn0035111	791.459	961.249	621.669	0.647	-0.629	0.012	0.039
FBgn0032666	6375.649	7742.552	5008.747	0.647	-0.628	0.009	0.031
FBgn0015664	758.581	920.887	596.274	0.647	-0.627	0.014	0.046
FBgn0030672	3432.051	4165.101	2699.000	0.648	-0.626	0.008	0.030
FBgn0038721	723.087	877.145	569.030	0.649	-0.624	0.012	0.040
FBgn0032752	878.797	1065.495	692.100	0.650	-0.622	0.015	0.048
FBgn0025802	1003.309	1215.808	790.809	0.650	-0.621	0.013	0.042
FBgn0031842	2043.804	2475.353	1612.255	0.651	-0.619	0.011	0.037
FBgn0014906	1841.250	2230.016	1452.484	0.651	-0.619	0.011	0.037
FBgn0027515	809.034	978.598	639.470	0.653	-0.614	0.015	0.049
FBgn0036022	15454.592	18689.051	12220.134	0.654	-0.613	0.011	0.037
FBgn0010416	845.485	1022.318	668.651	0.654	-0.613	0.014	0.045
FBgn0085335	3365.127	4065.463	2664.790	0.655	-0.609	0.012	0.041
FBgn0260441	18537.567	22388.412	14686.721	0.656	-0.608	0.010	0.035
FBgn0037530	2215.412	2673.994	1756.830	0.657	-0.606	0.014	0.046
FBgn0051150	2880.080	3476.016	2284.144	0.657	-0.606	0.012	0.039
FBgn0030013	1018.496	1228.986	808.006	0.657	-0.605	0.015	0.049
FBgn0035526	2981.462	3597.455	2365.470	0.658	-0.605	0.011	0.038
FBgn0027562	1119.236	1349.421	889.051	0.659	-0.602	0.015	0.049
FBgn0036816	4269.487	5146.671	3392.303	0.659	-0.601	0.012	0.041
FBgn0010265	20103.283	24224.240	15982.325	0.660	-0.600	0.011	0.037

FBgn0029663	1437.811	1730.662	1144.960	0.662	-0.596	0.015	0.048
FBgn0026252	3621.638	4352.814	2890.463	0.664	-0.591	0.014	0.046
FBgn0000163	2562.529	2049.596	3075.461	1.501	0.585	0.014	0.047
FBgn0260657	8925.205	7137.190	10713.219	1.501	0.586	0.013	0.043
FBgn0259111	5853.030	4679.681	7026.379	1.501	0.586	0.014	0.044
FBgn0086443	3836.853	3067.444	4606.261	1.502	0.587	0.013	0.043
FBgn0001308	3548.282	2836.590	4259.973	1.502	0.587	0.015	0.049
FBgn0261532	2623.595	2096.606	3150.583	1.503	0.588	0.015	0.048
FBgn0001218	10551.501	8426.366	12676.636	1.504	0.589	0.014	0.046
FBgn0261550	3721.504	2971.797	4471.211	1.505	0.589	0.014	0.045
FBgn0037261	3473.919	2773.044	4174.794	1.505	0.590	0.014	0.045
FBgn0010548	4363.841	3482.460	5245.222	1.506	0.591	0.014	0.046
FBgn0011785	2379.957	1898.337	2861.577	1.507	0.592	0.013	0.044
FBgn0037891	3333.002	2658.200	4007.805	1.508	0.592	0.012	0.040
FBgn0034644	5566.472	4438.369	6694.576	1.508	0.593	0.012	0.041
FBgn0027554	2383.797	1898.668	2868.926	1.511	0.596	0.012	0.041
FBgn0031883	7689.231	6121.764	9256.697	1.512	0.597	0.014	0.046
FBgn0030306	2061.779	1641.451	2482.107	1.512	0.597	0.013	0.042
FBgn0015790	5769.582	4592.912	6946.252	1.512	0.597	0.015	0.048
FBgn0261564	3591.533	2858.850	4324.216	1.513	0.597	0.012	0.042
FBgn0051217	1572.792	1251.921	1893.663	1.513	0.597	0.013	0.043
FBgn0020887	1703.867	1356.252	2051.482	1.513	0.597	0.015	0.048
FBgn0003386	2986.864	2377.294	3596.434	1.513	0.597	0.012	0.041
FBgn0030087	9255.203	7365.019	11145.387	1.513	0.598	0.014	0.045
FBgn0031052	1425.433	1134.243	1716.623	1.513	0.598	0.014	0.045
FBgn0014009	4384.864	3488.507	5281.220	1.514	0.598	0.013	0.044
FBgn0067864	2054.997	1634.796	2475.197	1.514	0.598	0.012	0.040
FBgn0085423	3754.372	2986.450	4522.294	1.514	0.599	0.013	0.043
FBgn0025680	5720.006	4549.570	6890.442	1.515	0.599	0.010	0.035
FBgn0008635	4529.172	3601.606	5456.738	1.515	0.599	0.011	0.037
FBgn0034585	1113.529	885.103	1341.955	1.516	0.600	0.015	0.048
FBgn0051706	4838.223	3844.521	5831.926	1.517	0.601	0.012	0.041
FBgn0039738	3952.749	3140.245	4765.253	1.517	0.602	0.012	0.040
FBgn0260855	2199.962	1746.920	2653.005	1.519	0.603	0.015	0.047

FBgn0024947	1773.423	1406.888	2139.958	1.521	0.605	0.012	0.040
FBgn0027836	926.667	734.968	1118.365	1.522	0.606	0.014	0.046
FBgn0030432	1355.492	1075.062	1635.922	1.522	0.606	0.011	0.038
FBgn0033192	2478.958	1965.982	2991.935	1.522	0.606	0.013	0.044
FBgn0037944	1698.977	1347.363	2050.591	1.522	0.606	0.013	0.044
FBgn0025681	2713.556	2151.852	3275.260	1.522	0.606	0.012	0.041
FBgn0024187	3020.833	2395.157	3646.510	1.522	0.606	0.011	0.039
FBgn0030310	537.935	426.465	649.406	1.523	0.607	0.014	0.046
FBgn0028496	4220.649	3345.688	5095.609	1.523	0.607	0.010	0.036
FBgn0004465	845.191	669.943	1020.440	1.523	0.607	0.015	0.047
FBgn0028695	2571.201	2036.531	3105.871	1.525	0.609	0.011	0.039
FBgn0034049	780.981	618.563	943.399	1.525	0.609	0.015	0.049
FBgn0011764	2421.024	1917.196	2924.852	1.526	0.609	0.012	0.040
FBgn0030670	8057.468	6380.027	9734.910	1.526	0.610	0.010	0.036
FBgn0260972	4051.361	3207.412	4895.309	1.526	0.610	0.010	0.034
FBgn0031275	1243.854	984.644	1503.065	1.527	0.610	0.013	0.042
FBgn0003261	22819.421	18058.512	27580.331	1.527	0.611	0.010	0.036
FBgn0035153	899.814	711.798	1087.830	1.528	0.612	0.015	0.049
FBgn0003204	4024.384	3183.401	4865.366	1.528	0.612	0.009	0.033
FBgn0263220	9066.253	7169.473	10963.032	1.529	0.613	0.010	0.034
FBgn0000581	4616.283	3650.468	5582.098	1.529	0.613	0.011	0.039
FBgn0039776	1108.237	876.130	1340.345	1.530	0.613	0.011	0.038
FBgn0031037	3638.369	2874.327	4402.411	1.532	0.615	0.010	0.035
FBgn0029861	630.155	497.602	762.709	1.533	0.616	0.014	0.047
FBgn0034886	2982.427	2355.061	3609.793	1.533	0.616	0.012	0.041
FBgn0031260	1559.927	1231.743	1888.111	1.533	0.616	0.013	0.042
FBgn0013759	11749.035	9277.108	14220.963	1.533	0.616	0.011	0.038
FBgn0051660	2419.354	1909.949	2928.759	1.533	0.617	0.011	0.039
FBgn0051119	571.182	450.912	691.453	1.533	0.617	0.016	0.050
FBgn0000562	2098.697	1656.578	2540.816	1.534	0.617	0.010	0.035
FBgn0013576	11933.420	9419.217	14447.623	1.534	0.617	0.010	0.035
FBgn0260635	6165.275	4866.054	7464.496	1.534	0.617	0.008	0.029
FBgn0261611	524.798	414.167	635.429	1.534	0.618	0.015	0.048
FBgn0031047	2133.848	1683.742	2583.953	1.535	0.618	0.010	0.035

FBgn0036106	19695.785	15539.170	23852.399	1.535	0.618	0.008	0.031
FBgn0037472	805.690	635.387	975.993	1.536	0.619	0.013	0.042
FBgn0264495	5198.414	4098.018	6298.811	1.537	0.620	0.010	0.035
FBgn0019637	566.587	446.609	686.564	1.537	0.620	0.014	0.045
FBgn0000575	2835.705	2235.134	3436.277	1.537	0.620	0.012	0.040
FBgn0032394	1701.943	1341.376	2062.510	1.538	0.621	0.009	0.033
FBgn0034946	969.724	763.978	1175.470	1.539	0.622	0.015	0.048
FBgn0036446	953.277	750.917	1155.637	1.539	0.622	0.013	0.043
FBgn0040660	5259.513	4141.759	6377.266	1.540	0.623	0.012	0.040
FBgn0036616	1951.369	1536.543	2366.195	1.540	0.623	0.011	0.037
FBgn0029837	1640.425	1291.636	1989.214	1.540	0.623	0.011	0.037
FBgn0050122	3847.690	3029.385	4665.996	1.540	0.623	0.010	0.034
FBgn0039601	912.442	718.345	1106.538	1.540	0.623	0.010	0.036
FBgn0027589	1566.674	1233.407	1899.941	1.540	0.623	0.011	0.037
FBgn0002930	7235.718	5695.920	8775.515	1.541	0.624	0.010	0.034
FBgn0016693	3430.509	2700.423	4160.595	1.541	0.624	0.008	0.030
FBgn0029706	960.078	755.752	1164.404	1.541	0.624	0.013	0.042
FBgn0034789	6440.355	5069.589	7811.120	1.541	0.624	0.008	0.030
FBgn0037653	1020.782	803.459	1238.105	1.541	0.624	0.011	0.039
FBgn0026077	1050.160	826.535	1273.785	1.541	0.624	0.012	0.040
FBgn0085388	2040.772	1605.101	2476.444	1.543	0.626	0.011	0.038
FBgn0033485	1377.587	1083.439	1671.735	1.543	0.626	0.012	0.040
FBgn0028479	4922.014	3870.625	5973.403	1.543	0.626	0.009	0.033
FBgn0026575	3765.441	2960.906	4569.976	1.543	0.626	0.010	0.034
FBgn0086450	1985.912	1561.322	2410.502	1.544	0.627	0.009	0.031
FBgn0039507	1336.379	1050.436	1622.323	1.544	0.627	0.011	0.038
FBgn0261618	14499.392	11396.584	17602.199	1.545	0.627	0.010	0.035
FBgn0261046	2519.778	1980.495	3059.062	1.545	0.627	0.009	0.031
FBgn0085370	2986.276	2346.414	3626.138	1.545	0.628	0.011	0.037
FBgn0034567	606.643	476.427	736.860	1.547	0.629	0.015	0.047
FBgn0034725	2983.383	2342.693	3624.073	1.547	0.629	0.010	0.034
FBgn0005671	10774.596	8460.162	13089.029	1.547	0.630	0.008	0.030
FBgn0040395	2574.874	2021.732	3128.015	1.547	0.630	0.009	0.031
FBgn0031069	3942.297	3095.286	4789.308	1.547	0.630	0.009	0.031

FBgn0085386	2175.061	1707.377	2642.745	1.548	0.630	0.010	0.035
FBgn0034242	1875.105	1471.603	2278.608	1.548	0.631	0.011	0.038
FBgn0261570	3527.002	2767.502	4286.502	1.549	0.631	0.008	0.029
FBgn0016672	8824.802	6922.411	10727.193	1.550	0.632	0.006	0.024
FBgn0044328	1114.891	874.421	1355.362	1.550	0.632	0.012	0.041
FBgn0036997	798.962	626.312	971.612	1.551	0.633	0.011	0.037
FBgn0033669	1800.999	1411.369	2190.630	1.552	0.634	0.009	0.034
FBgn0263106	3480.196	2726.888	4233.503	1.553	0.635	0.009	0.032
FBgn0051036	394.948	309.456	480.439	1.553	0.635	0.012	0.041
FBgn0036488	1231.521	964.782	1498.259	1.553	0.635	0.011	0.038
FBgn0032348	1307.535	1024.176	1590.895	1.553	0.635	0.011	0.037
FBgn0261445	884.941	692.678	1077.203	1.555	0.637	0.009	0.031
FBgn0020496	4126.723	3229.616	5023.831	1.556	0.637	0.009	0.031
FBgn0259168	2193.125	1716.137	2670.113	1.556	0.638	0.011	0.037
FBgn0038206	714.764	559.247	870.280	1.556	0.638	0.013	0.044
FBgn0004914	2787.648	2180.550	3394.747	1.557	0.639	0.010	0.035
FBgn0015283	2002.832	1566.503	2439.161	1.557	0.639	0.009	0.031
FBgn0037356	764.712	598.062	931.363	1.557	0.639	0.011	0.038
FBgn0000108	33152.792	25925.660	40379.924	1.558	0.639	0.009	0.032
FBgn0040230	1346.988	1053.235	1640.741	1.558	0.640	0.009	0.033
FBgn0039150	952.130	744.445	1159.816	1.558	0.640	0.009	0.033
FBgn0038774	1520.358	1188.720	1851.995	1.558	0.640	0.008	0.030
FBgn0010408	29997.060	23448.543	36545.578	1.559	0.640	0.011	0.037
FBgn0041203	1752.033	1369.421	2134.645	1.559	0.640	0.009	0.033
FBgn0025641	4757.510	3718.472	5796.549	1.559	0.640	0.007	0.026
FBgn0022699	725.442	566.885	883.998	1.559	0.641	0.010	0.034
FBgn0030761	830.810	649.092	1012.529	1.560	0.641	0.010	0.036
FBgn0030433	418.941	327.230	510.653	1.561	0.642	0.012	0.040
FBgn0030305	909.196	710.142	1108.250	1.561	0.642	0.009	0.033
FBgn0034618	1768.034	1380.755	2155.313	1.561	0.642	0.009	0.033
FBgn0003138	1538.446	1201.449	1875.444	1.561	0.642	0.008	0.031
FBgn0024941	1979.450	1545.792	2413.108	1.561	0.643	0.009	0.033
FBgn0036152	1467.612	1145.595	1789.629	1.562	0.644	0.008	0.030
FBgn0039169	900.592	702.824	1098.360	1.563	0.644	0.011	0.038



FBgn0037899	4289.995	3347.299	5232.691	1.563	0.645	0.007	0.027
FBgn0028507	712.850	556.169	869.531	1.563	0.645	0.010	0.034
FBgn0004133	988.685	771.281	1206.088	1.564	0.645	0.009	0.032
FBgn0029819	1104.470	861.606	1347.333	1.564	0.645	0.008	0.029
FBgn0035756	1526.031	1190.402	1861.659	1.564	0.645	0.009	0.033
FBgn0010441	619.005	482.858	755.152	1.564	0.645	0.013	0.042
FBgn0005659	1350.850	1053.737	1647.964	1.564	0.645	0.009	0.033
FBgn0005649	3899.972	3042.073	4757.870	1.564	0.645	0.007	0.028
FBgn0051908	1592.738	1241.964	1943.511	1.565	0.646	0.009	0.032
FBgn0004795	1490.905	1162.360	1819.449	1.565	0.646	0.007	0.026
FBgn0031836	6209.475	4841.052	7577.899	1.565	0.646	0.007	0.025
FBgn0034959	2614.270	2037.986	3190.555	1.566	0.647	0.008	0.028
FBgn0003165	4570.379	3562.603	5578.156	1.566	0.647	0.008	0.030
FBgn0029755	651.554	507.700	795.408	1.567	0.648	0.013	0.042
FBgn0262684	8481.803	6608.250	10355.357	1.567	0.648	0.008	0.029
FBgn0000320	1593.303	1240.870	1945.736	1.568	0.649	0.008	0.028
FBgn0036454	6284.294	4892.587	7676.001	1.569	0.650	0.007	0.028
FBgn0028982	3844.447	2992.436	4696.457	1.569	0.650	0.007	0.025
FBgn0038744	928.103	722.354	1133.853	1.570	0.650	0.009	0.033
FBgn0038617	1138.959	886.179	1391.738	1.570	0.651	0.007	0.026
FBgn0052264	8736.837	6796.173	10677.502	1.571	0.652	0.007	0.028
FBgn0250869	1611.234	1253.134	1969.333	1.572	0.652	0.008	0.030
FBgn0030261	1589.923	1236.430	1943.416	1.572	0.652	0.010	0.035
FBgn0034923	531.284	413.065	649.504	1.572	0.653	0.011	0.038
FBgn0053147	3002.347	2334.208	3670.486	1.572	0.653	0.006	0.023
FBgn0037374	1236.299	960.792	1511.806	1.573	0.654	0.008	0.029
FBgn0035824	552.387	429.278	675.495	1.574	0.654	0.012	0.041
FBgn0031660	1137.214	883.686	1390.743	1.574	0.654	0.006	0.023
FBgn0052700	545.739	424.068	667.411	1.574	0.654	0.012	0.042
FBgn0023095	2700.307	2098.258	3302.356	1.574	0.654	0.009	0.032
FBgn0026597	2119.565	1646.959	2592.170	1.574	0.654	0.007	0.027
FBgn0030669	1436.817	1116.347	1757.287	1.574	0.655	0.007	0.026
FBgn0040305	1047.968	814.048	1281.889	1.575	0.655	0.010	0.035
FBgn0016038	854.338	663.574	1045.102	1.575	0.655	0.009	0.033

FBgn0031356	800.418	621.686	979.151	1.575	0.655	0.008	0.029
FBgn0028481	3419.959	2656.177	4183.740	1.575	0.655	0.006	0.023
FBgn0027453	1407.065	1092.589	1721.541	1.576	0.656	0.008	0.028
FBgn0036179	489.819	380.344	599.294	1.576	0.656	0.011	0.039
FBgn0043903	1860.863	1444.284	2277.442	1.577	0.657	0.006	0.024
FBgn0035696	1653.959	1283.693	2024.224	1.577	0.657	0.007	0.026
FBgn0027084	1595.352	1238.023	1952.681	1.577	0.657	0.006	0.024
FBgn0016926	4531.181	3516.190	5546.172	1.577	0.657	0.014	0.046
FBgn0261086	541.054	419.787	662.320	1.578	0.658	0.012	0.041
FBgn0263773	3565.910	2766.504	4365.315	1.578	0.658	0.008	0.031
FBgn0035228	5247.695	4071.260	6424.131	1.578	0.658	0.006	0.022
FBgn0030484	1951.549	1513.925	2389.173	1.578	0.658	0.006	0.023
FBgn0032597	771.073	598.147	943.999	1.578	0.658	0.010	0.035
FBgn0023388	4148.858	3218.402	5079.315	1.578	0.658	0.006	0.023
FBgn0030314	431.086	334.398	527.773	1.578	0.658	0.012	0.040
FBgn0037121	522.916	405.506	640.326	1.579	0.659	0.011	0.037
FBgn0000524	357.114	276.925	437.303	1.579	0.659	0.014	0.046
FBgn0037146	25837.462	20033.961	31640.963	1.579	0.659	0.006	0.023
FBgn0031044	622.495	482.613	762.377	1.580	0.660	0.008	0.030
FBgn0083963	1861.892	1443.394	2280.389	1.580	0.660	0.007	0.025
FBgn0000482	815.005	631.747	998.264	1.580	0.660	0.009	0.031
FBgn0263200	2895.309	2243.935	3546.684	1.581	0.660	0.006	0.023
FBgn0051051	467.015	361.909	572.122	1.581	0.661	0.012	0.040
FBgn0250786	4165.446	3227.562	5103.330	1.581	0.661	0.006	0.022
FBgn0030555	2842.619	2202.096	3483.141	1.582	0.662	0.004	0.018
FBgn0036511	5946.252	4605.830	7286.675	1.582	0.662	0.006	0.022
FBgn0004852	2262.305	1752.329	2772.282	1.582	0.662	0.006	0.023
FBgn0029766	4214.209	3262.833	5165.585	1.583	0.663	0.012	0.041
FBgn0032515	2687.640	2080.311	3294.968	1.584	0.663	0.006	0.022
FBgn0027655	4191.548	3244.133	5138.962	1.584	0.664	0.005	0.021
FBgn0028274	772.152	597.548	946.756	1.584	0.664	0.009	0.031
FBgn0031036	504.870	390.572	619.168	1.585	0.665	0.012	0.040
FBgn0030792	1264.956	978.573	1551.339	1.585	0.665	0.006	0.024
FBgn0039537	1698.578	1313.817	2083.339	1.586	0.665	0.006	0.023

FBgn0264449	4992.393	3860.785	6124.001	1.586	0.666	0.006	0.023
FBgn0020767	2704.404	2090.199	3318.610	1.588	0.667	0.006	0.024
FBgn0038250	917.746	709.156	1126.337	1.588	0.667	0.006	0.023
FBgn0001291	1239.448	957.484	1521.413	1.589	0.668	0.007	0.025
FBgn0036875	984.211	760.234	1208.188	1.589	0.668	0.007	0.025
FBgn0039857	36569.069	28243.752	44894.387	1.590	0.669	0.007	0.026
FBgn0031955	496.117	383.106	609.128	1.590	0.669	0.011	0.038
FBgn0001965	2705.736	2089.091	3322.380	1.590	0.669	0.005	0.020
FBgn0052296	1869.712	1443.513	2295.912	1.591	0.669	0.006	0.024
FBgn0000439	685.707	529.213	842.201	1.591	0.670	0.010	0.034
FBgn0004101	422.493	326.027	518.959	1.592	0.671	0.012	0.039
FBgn0035639	1291.549	996.559	1586.540	1.592	0.671	0.006	0.024
FBgn0002023	507.556	391.555	623.557	1.593	0.671	0.013	0.043
FBgn0010414	612.151	472.239	752.063	1.593	0.671	0.009	0.031
FBgn0030631	770.078	593.979	946.177	1.593	0.672	0.006	0.024
FBgn0263416	4255.632	3282.401	5228.862	1.593	0.672	0.006	0.023
FBgn0031414	10472.624	8076.122	12869.126	1.593	0.672	0.004	0.017
FBgn0262508	10449.794	8057.034	12842.554	1.594	0.673	0.004	0.018
FBgn0038467	1164.898	898.041	1431.755	1.594	0.673	0.006	0.024
FBgn0002917	3391.506	2614.497	4168.515	1.594	0.673	0.005	0.020
FBgn0005694	1929.326	1487.243	2371.409	1.595	0.673	0.007	0.027
FBgn0262714	1981.398	1527.253	2435.542	1.595	0.673	0.005	0.021
FBgn0061515	3356.671	2587.269	4126.073	1.595	0.673	0.008	0.028
FBgn0036746	2528.604	1948.967	3108.241	1.595	0.673	0.006	0.024
FBgn0031800	1159.963	893.847	1426.079	1.595	0.674	0.005	0.020
FBgn0259481	8059.765	6209.165	9910.366	1.596	0.675	0.007	0.026
FBgn0036805	2422.613	1866.353	2978.873	1.596	0.675	0.005	0.021
FBgn0260990	2063.085	1589.085	2537.084	1.597	0.675	0.005	0.019
FBgn0010303	3670.440	2826.775	4514.105	1.597	0.675	0.005	0.021
FBgn0035997	820.811	631.840	1009.782	1.598	0.676	0.008	0.031
FBgn0031381	7639.817	5880.529	9399.106	1.598	0.677	0.005	0.019
FBgn0030769	285.698	219.873	351.523	1.599	0.677	0.015	0.047
FBgn0023212	4988.687	3838.989	6138.385	1.599	0.677	0.015	0.049
FBgn0051462	1015.225	781.241	1249.209	1.599	0.677	0.007	0.025

FBgn0001227	387.777	298.383	477.171	1.599	0.677	0.011	0.037
FBgn0030505	6433.240	4948.671	7917.809	1.600	0.678	0.005	0.020
FBgn0029893	3193.041	2455.696	3930.385	1.601	0.679	0.005	0.020
FBgn0034753	10190.688	7835.499	12545.877	1.601	0.679	0.012	0.041
FBgn0034909	1813.826	1394.472	2233.179	1.601	0.679	0.004	0.017
FBgn0263102	7247.252	5569.924	8924.580	1.602	0.680	0.004	0.016
FBgn0051550	4566.869	3509.575	5624.163	1.603	0.680	0.004	0.018
FBgn0037515	1014.505	779.619	1249.391	1.603	0.680	0.005	0.020
FBgn0021800	1803.115	1385.584	2220.645	1.603	0.680	0.007	0.025
FBgn0030486	2599.508	1997.412	3201.605	1.603	0.681	0.004	0.018
FBgn0015622	8038.581	6176.356	9900.807	1.603	0.681	0.004	0.016
FBgn0000241	1280.699	983.673	1577.726	1.604	0.682	0.005	0.019
FBgn0030671	821.857	631.244	1012.469	1.604	0.682	0.006	0.022
FBgn0261609	2198.369	1688.499	2708.239	1.604	0.682	0.005	0.019
FBgn0051538	283.786	217.941	349.632	1.604	0.682	0.014	0.046
FBgn0027592	633.081	486.078	780.085	1.605	0.682	0.008	0.030
FBgn0030065	1375.786	1056.306	1695.266	1.605	0.682	0.005	0.020
FBgn0001128	16479.703	12652.229	20307.177	1.605	0.683	0.005	0.018
FBgn0031474	1936.747	1486.507	2386.987	1.606	0.683	0.005	0.020
FBgn0261549	21196.736	16265.383	26128.089	1.606	0.684	0.004	0.015
FBgn0031395	1231.875	945.189	1518.561	1.607	0.684	0.005	0.021
FBgn0052043	3684.731	2826.753	4542.709	1.607	0.684	0.005	0.019
FBgn0040089	419.851	322.000	517.701	1.608	0.685	0.011	0.037
FBgn0010583	2157.083	1654.110	2660.057	1.608	0.685	0.005	0.020
FBgn0261388	1465.127	1123.237	1807.017	1.609	0.686	0.005	0.019
FBgn0013726	1840.595	1410.922	2270.268	1.609	0.686	0.005	0.021
FBgn0035484	2419.743	1854.747	2984.740	1.609	0.686	0.005	0.019
FBgn0036685	1406.792	1078.299	1735.286	1.609	0.686	0.006	0.022
FBgn0259171	3272.050	2507.861	4036.238	1.609	0.687	0.005	0.020
FBgn0032048	1473.597	1129.418	1817.775	1.609	0.687	0.006	0.023
FBgn0038675	913.270	699.891	1126.649	1.610	0.687	0.006	0.022
FBgn0037001	4823.226	3696.161	5950.292	1.610	0.687	0.003	0.014
FBgn0035529	567.018	434.501	699.534	1.610	0.687	0.007	0.025
FBgn0030347	1654.352	1267.697	2041.008	1.610	0.687	0.003	0.014

FBgn0033108	3990.477	3056.683	4924.270	1.611	0.688	0.004	0.017
FBgn0036298	639.502	489.767	789.237	1.611	0.688	0.005	0.021
FBgn0004108	918.478	703.338	1133.619	1.612	0.689	0.005	0.021
FBgn0038745	3984.409	3050.371	4918.446	1.612	0.689	0.004	0.017
FBgn0025702	3016.366	2309.008	3723.724	1.613	0.689	0.004	0.017
FBgn0052982	1359.044	1040.029	1678.060	1.613	0.690	0.004	0.017
FBgn0033382	1736.576	1328.914	2144.238	1.614	0.690	0.004	0.016
FBgn0023524	1606.546	1229.332	1983.760	1.614	0.690	0.004	0.018
FBgn0033049	727.213	556.444	897.982	1.614	0.690	0.007	0.027
FBgn0039688	3391.469	2594.100	4188.838	1.615	0.691	0.004	0.015
FBgn0038583	317.973	243.124	392.821	1.616	0.692	0.014	0.046
FBgn0015522	1078.894	824.722	1333.065	1.616	0.693	0.007	0.025
FBgn0030323	418.642	319.975	517.309	1.617	0.693	0.008	0.030
FBgn0031264	315.470	241.040	389.900	1.618	0.694	0.011	0.037
FBgn0010280	5235.103	3999.690	6470.517	1.618	0.694	0.004	0.017
FBgn0036621	1403.440	1072.224	1734.657	1.618	0.694	0.006	0.023
FBgn0046225	403.896	308.515	499.277	1.618	0.695	0.011	0.037
FBgn0030055	943.963	720.824	1167.101	1.619	0.695	0.005	0.018
FBgn0031150	1178.418	899.857	1456.979	1.619	0.695	0.006	0.023
FBgn0050389	3082.680	2353.650	3811.710	1.619	0.696	0.005	0.018
FBgn0261859	4183.483	3193.814	5173.152	1.620	0.696	0.003	0.015
FBgn0027080	2143.796	1636.564	2651.029	1.620	0.696	0.004	0.017
FBgn0030293	2015.683	1538.487	2492.879	1.620	0.696	0.005	0.018
FBgn0023516	1211.173	924.219	1498.126	1.621	0.697	0.005	0.019
FBgn0010114	16054.384	12247.548	19861.219	1.622	0.697	0.004	0.015
FBgn0023097	2277.536	1737.277	2817.795	1.622	0.698	0.004	0.017
FBgn0035574	1462.653	1115.535	1809.772	1.622	0.698	0.004	0.018
FBgn0030808	1241.899	947.151	1536.648	1.622	0.698	0.005	0.018
FBgn0261552	12020.952	9164.902	14877.001	1.623	0.699	0.004	0.018
FBgn0032474	1700.660	1296.348	2104.972	1.624	0.699	0.004	0.015
FBgn0019643	2872.795	2189.098	3556.491	1.625	0.700	0.003	0.013
FBgn0024365	1043.492	794.906	1292.079	1.625	0.701	0.004	0.016
FBgn0020647	3102.481	2363.166	3841.795	1.626	0.701	0.003	0.013
FBgn0031740	785.096	597.827	972.364	1.626	0.702	0.005	0.021

FBgn0035995	2135.417	1626.015	2644.818	1.627	0.702	0.005	0.019
FBgn0032336	973.251	740.997	1205.505	1.627	0.702	0.007	0.026
FBgn0028837	634.156	482.698	785.614	1.628	0.703	0.006	0.023
FBgn0024509	2430.100	1849.503	3010.697	1.628	0.703	0.009	0.031
FBgn0028474	1207.642	918.744	1496.540	1.629	0.704	0.004	0.018
FBgn0264491	2383.505	1813.199	2953.812	1.629	0.704	0.004	0.017
FBgn0029979	5028.235	3825.022	6231.448	1.629	0.704	0.005	0.019
FBgn0003463	2606.494	1982.626	3230.361	1.629	0.704	0.005	0.019
FBgn0030552	561.785	427.295	696.275	1.629	0.704	0.006	0.022
FBgn0000244	2537.268	1929.752	3144.784	1.630	0.705	0.003	0.013
FBgn0261648	482.833	367.171	598.495	1.630	0.705	0.009	0.031
FBgn0004363	17984.800	13672.416	22297.183	1.631	0.706	0.003	0.013
FBgn0033844	2815.699	2140.516	3490.882	1.631	0.706	0.003	0.013
FBgn0032587	715.259	543.726	886.793	1.631	0.706	0.006	0.023
FBgn0264386	13376.563	10168.582	16584.543	1.631	0.706	0.003	0.012
FBgn0031287	341.676	259.673	423.679	1.632	0.706	0.010	0.034
FBgn0003310	1444.567	1097.766	1791.367	1.632	0.706	0.005	0.019
FBgn0010808	2584.205	1963.697	3204.713	1.632	0.707	0.003	0.014
FBgn0024732	714.903	543.115	886.692	1.633	0.707	0.006	0.022
FBgn0052170	426.787	324.062	529.512	1.634	0.708	0.007	0.025
FBgn0000490	701.847	532.909	870.785	1.634	0.708	0.007	0.025
FBgn0039636	1286.039	976.459	1595.619	1.634	0.708	0.004	0.018
FBgn0036111	3157.954	2397.630	3918.277	1.634	0.709	0.004	0.017
FBgn0015222	16901.390	12829.748	20973.032	1.635	0.709	0.009	0.034
FBgn0033224	1844.101	1399.797	2288.404	1.635	0.709	0.004	0.015
FBgn0023509	1073.198	814.487	1331.909	1.635	0.710	0.004	0.016
FBgn0023512	722.537	548.185	896.890	1.636	0.710	0.005	0.020
FBgn0029736	944.624	716.667	1172.581	1.636	0.710	0.004	0.018
FBgn0010399	1737.717	1318.219	2157.214	1.636	0.711	0.004	0.015
FBgn0031298	1724.711	1308.319	2141.104	1.637	0.711	0.003	0.014
FBgn0037134	526.952	399.621	654.282	1.637	0.711	0.005	0.021
FBgn0051140	7959.739	6036.097	9883.381	1.637	0.711	0.003	0.014
FBgn0031461	4548.285	3449.005	5647.566	1.637	0.711	0.003	0.015
FBgn0001149	15029.708	11396.921	18662.494	1.638	0.711	0.008	0.029

FBgn0042112	352.374	267.173	437.575	1.638	0.712	0.008	0.031
FBgn0034408	2003.745	1518.621	2488.868	1.639	0.713	0.004	0.015
FBgn0028704	17630.719	13360.086	21901.352	1.639	0.713	0.004	0.015
FBgn0085450	1956.149	1482.092	2430.206	1.640	0.713	0.004	0.015
FBgn0085453	662.577	501.983	823.171	1.640	0.714	0.005	0.021
FBgn0037044	769.335	582.664	956.006	1.641	0.714	0.004	0.015
FBgn0020235	11707.166	8864.841	14549.491	1.641	0.715	0.003	0.013
FBgn0032135	1067.067	807.799	1326.336	1.642	0.715	0.004	0.016
FBgn0035424	6431.558	4868.211	7994.904	1.642	0.716	0.003	0.014
FBgn0034021	1003.327	759.441	1247.213	1.642	0.716	0.004	0.015
FBgn0036451	5428.379	4108.574	6748.184	1.642	0.716	0.003	0.014
FBgn0262582	8620.014	6523.557	10716.471	1.643	0.716	0.003	0.012
FBgn0033876	2587.157	1957.108	3217.205	1.644	0.717	0.003	0.012
FBgn0034118	756.243	572.055	940.431	1.644	0.717	0.005	0.021
FBgn0038769	347.340	262.729	431.950	1.644	0.717	0.010	0.034
FBgn0262717	588.946	445.407	732.486	1.645	0.718	0.005	0.019
FBgn0038739	1421.010	1074.462	1767.559	1.645	0.718	0.006	0.022
FBgn0004198	6473.757	4894.759	8052.756	1.645	0.718	0.004	0.015
FBgn0038038	4216.636	3187.710	5245.561	1.646	0.719	0.003	0.013
FBgn0024191	252.286	190.717	313.854	1.646	0.719	0.012	0.041
FBgn0026318	719.645	543.935	895.355	1.646	0.719	0.005	0.019
FBgn0261283	8064.161	6093.671	10034.651	1.647	0.720	0.002	0.011
FBgn0030304	4923.398	3720.018	6126.778	1.647	0.720	0.002	0.010
FBgn0036360	557.049	420.848	693.250	1.647	0.720	0.006	0.021
FBgn0033465	2765.830	2088.172	3443.487	1.649	0.722	0.003	0.012
FBgn0026179	5881.388	4438.533	7324.244	1.650	0.723	0.003	0.012
FBgn0000633	1443.123	1088.940	1797.306	1.651	0.723	0.004	0.015
FBgn0261985	3735.301	2818.535	4652.067	1.651	0.723	0.003	0.012
FBgn0026441	1439.698	1086.257	1793.138	1.651	0.723	0.003	0.014
FBgn0030096	614.464	463.589	765.339	1.651	0.723	0.004	0.017
FBgn0038787	2049.293	1546.079	2552.508	1.651	0.723	0.003	0.014
FBgn0004364	1914.145	1443.937	2384.352	1.651	0.724	0.003	0.014
FBgn0035348	7412.183	5591.197	9233.169	1.651	0.724	0.002	0.009
FBgn0038046	751.917	566.632	937.202	1.654	0.726	0.015	0.048

FBgn0259935	483.796	364.577	603.014	1.654	0.726	0.005	0.020
FBgn0035140	415.447	313.059	517.834	1.654	0.726	0.006	0.023
FBgn0035807	1249.829	941.728	1557.930	1.654	0.726	0.003	0.012
FBgn0038641	1786.139	1345.760	2226.518	1.654	0.726	0.002	0.010
FBgn0086370	1650.152	1243.185	2057.120	1.655	0.727	0.003	0.013
FBgn0031437	939.817	708.035	1171.599	1.655	0.727	0.014	0.046
FBgn0010909	4040.764	3043.656	5037.871	1.655	0.727	0.003	0.011
FBgn0030270	242.579	182.707	302.450	1.655	0.727	0.011	0.039
FBgn0040475	1123.024	845.601	1400.447	1.656	0.728	0.004	0.015
FBgn0032934	415.367	312.732	518.001	1.656	0.728	0.007	0.025
FBgn0040075	423.219	318.535	527.902	1.657	0.729	0.006	0.023
FBgn0003520	5622.830	4231.658	7014.002	1.658	0.729	0.003	0.012
FBgn0261954	5793.911	4360.260	7227.562	1.658	0.729	0.003	0.011
FBgn0051481	207.975	156.481	259.468	1.658	0.730	0.012	0.040
FBgn0027571	123484.891	92885.924	154083.858	1.659	0.730	0.003	0.012
FBgn0037163	3583.335	2695.127	4471.544	1.659	0.730	0.002	0.010
FBgn0033972	1043.877	785.027	1302.726	1.659	0.731	0.003	0.013
FBgn0259735	4448.792	3345.370	5552.214	1.660	0.731	0.003	0.011
FBgn0011224	4474.303	3364.186	5584.419	1.660	0.731	0.009	0.031
FBgn0029838	295.106	221.834	368.378	1.661	0.732	0.009	0.031
FBgn0085408	2095.386	1575.071	2615.701	1.661	0.732	0.002	0.009
FBgn0037758	4003.079	3008.627	4997.532	1.661	0.732	0.003	0.012
FBgn0000611	2410.884	1811.841	3009.927	1.661	0.732	0.003	0.012
FBgn0026160	8005.063	6015.246	9994.880	1.662	0.733	0.003	0.012
FBgn0011674	293.571	220.584	366.559	1.662	0.733	0.007	0.027
FBgn0026323	2477.822	1861.644	3094.000	1.662	0.733	0.002	0.011
FBgn0085426	561.868	422.072	701.663	1.662	0.733	0.005	0.018
FBgn0031048	1221.266	917.390	1525.143	1.662	0.733	0.002	0.010
FBgn0031051	1497.300	1124.602	1869.999	1.663	0.734	0.003	0.012
FBgn0030511	689.971	518.196	861.746	1.663	0.734	0.004	0.017
FBgn0262871	2084.096	1565.065	2603.127	1.663	0.734	0.003	0.012
FBgn0026879	5334.995	4006.171	6663.818	1.663	0.734	0.010	0.034
FBgn0034269	908.668	682.062	1135.274	1.664	0.735	0.004	0.015
FBgn0010379	2316.576	1738.790	2894.363	1.665	0.735	0.014	0.047



FBgn0030499	493.585	370.462	616.708	1.665	0.735	0.005	0.021
FBgn0038771	2125.600	1595.330	2655.871	1.665	0.735	0.003	0.012
FBgn0085409	1715.465	1287.351	2143.578	1.665	0.736	0.003	0.012
FBgn0024983	746.688	560.342	933.034	1.665	0.736	0.004	0.016
FBgn0000115	2113.831	1586.253	2641.410	1.665	0.736	0.009	0.031
FBgn0004449	9934.961	7453.591	12416.332	1.666	0.736	0.002	0.010
FBgn0013770	18640.143	13981.764	23298.522	1.666	0.737	0.002	0.009
FBgn0085431	169.809	127.363	212.255	1.667	0.737	0.013	0.042
FBgn0050035	11120.540	8339.871	13901.210	1.667	0.737	0.002	0.009
FBgn0000662	2974.976	2230.459	3719.493	1.668	0.738	0.002	0.011
FBgn0035142	10408.951	7800.188	13017.713	1.669	0.739	0.009	0.033
FBgn0035477	1338.679	1003.150	1674.208	1.669	0.739	0.003	0.012
FBgn0085383	869.159	651.280	1087.038	1.669	0.739	0.003	0.013
FBgn0036848	452.420	338.965	565.875	1.669	0.739	0.005	0.018
FBgn0263218	10971.930	8219.356	13724.504	1.670	0.740	0.002	0.010
FBgn0259228	3104.602	2325.531	3883.674	1.670	0.740	0.002	0.010
FBgn0035811	9202.024	6891.250	11512.798	1.671	0.740	0.008	0.028
FBgn0021875	674.166	504.834	843.499	1.671	0.741	0.004	0.016
FBgn0024183	5444.304	4076.696	6811.912	1.671	0.741	0.002	0.011
FBgn0025381	2798.938	2095.643	3502.234	1.671	0.741	0.002	0.009
FBgn0034229	4010.036	3002.079	5017.994	1.672	0.741	0.002	0.008
FBgn0031879	1446.075	1082.569	1809.582	1.672	0.741	0.002	0.010
FBgn0032701	584.752	437.735	731.770	1.672	0.741	0.013	0.043
FBgn0260945	2673.391	2001.096	3345.686	1.672	0.742	0.002	0.010
FBgn0035878	952.909	713.250	1192.568	1.672	0.742	0.003	0.013
FBgn0262617	3155.162	2361.463	3948.862	1.672	0.742	0.002	0.010
FBgn0051038	4292.653	3212.239	5373.067	1.673	0.742	0.007	0.025
FBgn0051163	1322.843	989.561	1656.125	1.674	0.743	0.003	0.012
FBgn0019940	14180.123	10606.250	17753.996	1.674	0.743	0.002	0.008
FBgn0031635	1078.924	806.987	1350.861	1.674	0.743	0.003	0.012
FBgn0032646	1041.086	778.632	1303.540	1.674	0.743	0.003	0.013
FBgn0026015	1053.483	787.793	1319.173	1.675	0.744	0.002	0.011
FBgn0000543	866.914	648.262	1085.566	1.675	0.744	0.003	0.012
FBgn0001150	275.830	206.257	345.403	1.675	0.744	0.010	0.034

FBgn0003464	6625.398	4953.916	8296.879	1.675	0.744	0.001	0.007
FBgn0023506	595.466	445.087	745.845	1.676	0.745	0.004	0.016
FBgn0031420	822.530	614.722	1030.338	1.676	0.745	0.003	0.014
FBgn0038874	188.500	140.841	236.158	1.677	0.746	0.012	0.040
FBgn0027066	1133.065	846.587	1419.543	1.677	0.746	0.003	0.013
FBgn0010762	2839.104	2121.174	3557.034	1.677	0.746	0.003	0.011
FBgn0031865	444.062	331.756	556.369	1.677	0.746	0.005	0.020
FBgn0034570	4838.395	3612.293	6064.496	1.679	0.747	0.002	0.009
FBgn0032798	2976.207	2221.376	3731.038	1.680	0.748	0.002	0.007
FBgn0039562	5324.603	3973.828	6675.379	1.680	0.748	0.002	0.007
FBgn0030510	595.763	444.588	746.938	1.680	0.749	0.003	0.011
FBgn0031896	1161.006	866.362	1455.649	1.680	0.749	0.003	0.013
FBgn0027079	1898.999	1417.064	2380.935	1.680	0.749	0.002	0.008
FBgn0030674	10048.693	7496.852	12600.534	1.681	0.749	0.002	0.008
FBgn0036096	545.169	406.637	683.700	1.681	0.750	0.004	0.016
FBgn0083919	5264.665	3926.332	6602.999	1.682	0.750	0.002	0.007
FBgn0010105	777.745	580.031	975.459	1.682	0.750	0.003	0.013
FBgn0030465	427.853	318.989	536.716	1.683	0.751	0.004	0.016
FBgn0035171	1279.738	953.813	1605.662	1.683	0.751	0.002	0.010
FBgn0034606	2447.603	1823.563	3071.643	1.684	0.752	0.002	0.009
FBgn0039809	410.609	305.917	515.302	1.684	0.752	0.006	0.022
FBgn0034853	225.452	167.968	282.936	1.684	0.752	0.010	0.035
FBgn0003557	2940.469	2189.479	3691.459	1.686	0.754	0.002	0.009
FBgn0032731	1924.329	1432.302	2416.355	1.687	0.754	0.002	0.009
FBgn0031116	1529.681	1138.534	1920.828	1.687	0.755	0.002	0.010
FBgn0028703	8241.171	6133.027	10349.314	1.687	0.755	0.002	0.008
FBgn0031950	1867.416	1389.364	2345.469	1.688	0.755	0.002	0.010
FBgn0015524	146.163	108.730	183.595	1.689	0.756	0.014	0.046
FBgn0053080	2028.504	1508.981	2548.026	1.689	0.756	0.002	0.010
FBgn0028550	1512.776	1125.257	1900.295	1.689	0.756	0.003	0.012
FBgn0051314	2469.034	1836.471	3101.598	1.689	0.756	0.003	0.013
FBgn0035473	2284.682	1699.331	2870.032	1.689	0.756	0.002	0.008
FBgn0039094	234.899	174.652	295.145	1.690	0.757	0.008	0.028
FBgn0029914	735.122	546.558	923.686	1.690	0.757	0.003	0.014

FBgn0036691	520.509	386.973	654.046	1.690	0.757	0.004	0.016
FBgn0035872	2456.317	1826.065	3086.570	1.690	0.757	0.002	0.008
FBgn0262475	797.948	593.185	1002.711	1.690	0.757	0.013	0.044
FBgn0052425	4554.505	3385.020	5723.989	1.691	0.758	0.001	0.007
FBgn0001123	1648.359	1224.843	2071.876	1.692	0.758	0.002	0.009
FBgn0003715	549.073	407.988	690.158	1.692	0.758	0.003	0.013
FBgn0037849	376.166	279.486	472.847	1.692	0.759	0.006	0.022
FBgn0034908	307.979	228.787	387.172	1.692	0.759	0.006	0.021
FBgn0010328	3206.385	2381.549	4031.221	1.693	0.759	0.002	0.008
FBgn0040068	2716.694	2017.686	3415.701	1.693	0.759	0.002	0.008
FBgn0014184	43681.789	32441.250	54922.329	1.693	0.760	0.002	0.008
FBgn0052772	1111.869	825.739	1397.998	1.693	0.760	0.002	0.010
FBgn0029785	45935.219	34106.415	57764.022	1.694	0.760	0.013	0.044
FBgn0264502	4180.561	3103.810	5257.312	1.694	0.760	0.002	0.008
FBgn0033602	598.349	444.238	752.461	1.694	0.760	0.003	0.013
FBgn0036044	210.633	156.351	264.916	1.694	0.761	0.009	0.033
FBgn0011297	621.679	461.442	781.916	1.695	0.761	0.003	0.012
FBgn0261090	618.191	458.791	777.590	1.695	0.761	0.003	0.014
FBgn0003513	169.664	125.912	213.417	1.695	0.761	0.013	0.042
FBgn0038834	46446.695	34464.821	58428.570	1.695	0.762	0.001	0.005
FBgn0034940	274.334	203.559	345.109	1.695	0.762	0.006	0.022
FBgn0027841	228.455	169.483	287.427	1.696	0.762	0.008	0.030
FBgn0001978	1530.112	1134.816	1925.408	1.697	0.763	0.002	0.009
FBgn0034743	24410.165	18101.907	30718.423	1.697	0.763	0.001	0.005
FBgn0015778	6604.147	4897.183	8311.111	1.697	0.763	0.002	0.009
FBgn0034598	2538.702	1882.373	3195.032	1.697	0.763	0.001	0.007
FBgn0036960	642.033	476.014	808.053	1.698	0.763	0.002	0.011
FBgn0261439	6651.225	4930.876	8371.575	1.698	0.764	0.001	0.007
FBgn0011837	2664.412	1974.871	3353.952	1.698	0.764	0.009	0.033
FBgn0005616	1145.497	848.935	1442.060	1.699	0.764	0.002	0.010
FBgn0028717	2324.928	1722.567	2927.290	1.699	0.765	0.001	0.007
FBgn0028325	5090.649	3771.206	6410.092	1.700	0.765	0.001	0.007
FBgn0033184	626.197	463.887	788.507	1.700	0.765	0.002	0.010
FBgn0005585	11717.408	8679.958	14754.859	1.700	0.765	0.001	0.007

FBgn0026753	5545.521	4107.703	6983.338	1.700	0.766	0.001	0.005
FBgn0033886	2407.458	1783.194	3031.723	1.700	0.766	0.001	0.007
FBgn0052179	395.166	292.684	497.648	1.700	0.766	0.004	0.018
FBgn0031637	5354.101	3965.001	6743.202	1.701	0.766	0.002	0.007
FBgn0024992	1016.473	752.630	1280.315	1.701	0.766	0.002	0.007
FBgn0038950	1314.918	973.567	1656.270	1.701	0.767	0.002	0.009
FBgn0030206	622.840	461.136	784.544	1.701	0.767	0.003	0.013
FBgn0034889	824.762	610.516	1039.007	1.702	0.767	0.002	0.010
FBgn0039681	1073.891	794.712	1353.069	1.703	0.768	0.006	0.024
FBgn0051547	2543.395	1882.082	3204.707	1.703	0.768	0.001	0.007
FBgn0019960	4765.910	3526.717	6005.104	1.703	0.768	0.001	0.006
FBgn0263994	3720.297	2752.914	4687.680	1.703	0.768	0.002	0.007
FBgn0046704	2518.727	1863.713	3173.741	1.703	0.768	0.002	0.008
FBgn0030228	1345.997	995.941	1696.053	1.703	0.768	0.013	0.042
FBgn0052137	843.991	624.462	1063.520	1.703	0.768	0.003	0.012
FBgn0033654	243.969	180.489	307.449	1.703	0.768	0.005	0.019
FBgn0013954	11215.737	8292.644	14138.831	1.705	0.770	0.013	0.044
FBgn0026602	1014.984	750.423	1279.546	1.705	0.770	0.003	0.011
FBgn0015773	158.602	117.254	199.951	1.705	0.770	0.014	0.045
FBgn0033581	749.512	554.014	945.009	1.706	0.770	0.002	0.009
FBgn0262103	2501.630	1848.356	3154.904	1.707	0.771	0.001	0.007
FBgn0035136	817.358	603.875	1030.840	1.707	0.771	0.002	0.011
FBgn0030268	2091.780	1545.432	2638.128	1.707	0.772	0.002	0.007
FBgn0053139	437.853	323.459	552.248	1.707	0.772	0.003	0.012
FBgn0259210	3523.714	2602.869	4444.559	1.708	0.772	0.001	0.005
FBgn0040375	970.455	716.097	1224.812	1.710	0.774	0.002	0.008
FBgn0261551	10208.345	7532.262	12884.428	1.711	0.774	0.001	0.005
FBgn0022724	283.501	209.127	357.874	1.711	0.775	0.006	0.022
FBgn0053556	3738.172	2757.091	4719.254	1.712	0.775	0.001	0.006
FBgn0023215	5193.063	3829.829	6556.297	1.712	0.776	0.011	0.038
FBgn0033092	547.638	403.700	691.577	1.713	0.777	0.003	0.014
FBgn0028646	5339.177	3935.840	6742.515	1.713	0.777	0.001	0.006
FBgn0015359	834.579	615.109	1054.049	1.714	0.777	0.002	0.010
FBgn0030993	211.668	155.997	267.338	1.714	0.777	0.005	0.021

FBgn0042630	640.376	471.874	808.877	1.714	0.778	0.009	0.033
FBgn0262872	5173.383	3811.487	6535.280	1.715	0.778	0.001	0.006
FBgn0259242	841.555	620.014	1063.096	1.715	0.778	0.002	0.011
FBgn0052066	612.423	451.005	773.841	1.716	0.779	0.002	0.010
FBgn0028932	307.484	226.435	388.533	1.716	0.779	0.005	0.020
FBgn0038515	1252.541	922.134	1582.949	1.717	0.780	0.002	0.009
FBgn0051721	417.450	307.327	527.574	1.717	0.780	0.003	0.015
FBgn0035656	345.438	254.269	436.608	1.717	0.780	0.005	0.021
FBgn0038876	848.058	624.106	1072.011	1.718	0.780	0.001	0.007
FBgn0261548	554.612	408.103	701.120	1.718	0.781	0.003	0.014
FBgn0027601	4552.149	3348.666	5755.632	1.719	0.781	0.002	0.011
FBgn0011259	3149.813	2317.065	3982.561	1.719	0.781	0.002	0.008
FBgn0041775	5992.973	4407.973	7577.973	1.719	0.782	0.001	0.006
FBgn0003884	12667.584	9317.294	16017.874	1.719	0.782	0.001	0.005
FBgn0034750	650.685	478.493	822.877	1.720	0.782	0.002	0.009
FBgn0030658	907.630	667.357	1147.904	1.720	0.782	0.003	0.014
FBgn0030554	486.783	357.915	615.652	1.720	0.783	0.003	0.012
FBgn0030011	2416.483	1776.721	3056.244	1.720	0.783	0.001	0.005
FBgn0010768	458.569	337.097	580.042	1.721	0.783	0.003	0.012
FBgn0002552	663.812	487.921	839.703	1.721	0.783	0.002	0.009
FBgn0025558	1453.210	1068.130	1838.289	1.721	0.783	0.009	0.031
FBgn0051064	1849.370	1359.297	2339.442	1.721	0.783	0.001	0.006
FBgn0024360	473.382	347.935	598.829	1.721	0.783	0.003	0.013
FBgn0031765	190.708	140.167	241.249	1.721	0.783	0.006	0.024
FBgn0037185	183.677	134.986	232.369	1.721	0.784	0.009	0.031
FBgn0036837	6878.261	5054.888	8701.634	1.721	0.784	0.001	0.005
FBgn0001233	18994.325	13952.242	24036.407	1.723	0.785	0.001	0.005
FBgn0003978	358.687	263.444	453.930	1.723	0.785	0.003	0.014
FBgn0005670	628.224	461.226	795.221	1.724	0.786	0.010	0.035
FBgn0031376	2911.577	2137.542	3685.612	1.724	0.786	0.006	0.024
FBgn0042134	3312.943	2431.186	4194.699	1.725	0.787	0.001	0.006
FBgn0000045	1513.363	1110.057	1916.669	1.727	0.788	0.001	0.005
FBgn0025639	5458.114	4003.445	6912.782	1.727	0.788	0.001	0.006
FBgn0041723	1976.525	1449.506	2503.543	1.727	0.788	0.001	0.007

FBgn0036155	298.482	218.838	378.127	1.728	0.789	0.004	0.017
FBgn0030269	771.837	565.861	977.812	1.728	0.789	0.002	0.011
FBgn0050115	1653.368	1212.139	2094.596	1.728	0.789	0.001	0.006
FBgn0000459	1259.561	923.374	1595.747	1.728	0.789	0.007	0.026
FBgn0033162	1914.414	1403.401	2425.427	1.728	0.789	0.002	0.009
FBgn0259715	8779.013	6435.271	11122.754	1.728	0.789	0.001	0.005
FBgn0035060	5741.654	4208.513	7274.795	1.729	0.790	0.001	0.005
FBgn0039828	872.494	639.366	1105.623	1.729	0.790	0.002	0.009
FBgn0031534	1157.787	848.154	1467.420	1.730	0.791	0.001	0.007
FBgn0017482	327.394	239.790	414.997	1.731	0.791	0.004	0.017
FBgn0003963	707.026	517.835	896.217	1.731	0.791	0.002	0.009
FBgn0000037	2172.883	1591.228	2754.538	1.731	0.792	0.001	0.006
FBgn0085447	30904.764	22631.347	39178.180	1.731	0.792	0.001	0.005
FBgn0025629	702.295	514.244	890.346	1.731	0.792	0.002	0.008
FBgn0039808	2731.096	1999.680	3462.512	1.732	0.792	0.001	0.006
FBgn0004656	9749.740	7137.478	12362.002	1.732	0.792	0.001	0.005
FBgn0085410	559.562	409.525	709.600	1.733	0.793	0.002	0.011
FBgn0035388	2150.953	1574.200	2727.707	1.733	0.793	0.001	0.006
FBgn0030343	1543.022	1128.857	1957.188	1.734	0.794	0.001	0.006
FBgn0261108	611.448	447.222	775.673	1.734	0.794	0.002	0.011
FBgn0026878	175.015	128.003	222.026	1.735	0.795	0.009	0.032
FBgn0031808	658.416	481.556	835.276	1.735	0.795	0.001	0.007
FBgn0052666	3755.328	2746.151	4764.504	1.735	0.795	0.001	0.005
FBgn0034918	341.312	249.575	433.049	1.735	0.795	0.003	0.014
FBgn0028509	2865.306	2094.961	3635.652	1.735	0.795	0.001	0.005
FBgn0005672	2937.940	2148.030	3727.850	1.735	0.795	0.001	0.006
FBgn0036641	402.641	294.330	510.953	1.736	0.796	0.003	0.013
FBgn0000636	1946.029	1422.452	2469.606	1.736	0.796	0.007	0.026
FBgn0031188	719.780	525.946	913.615	1.737	0.797	0.002	0.008
FBgn0029715	1577.793	1152.529	2003.057	1.738	0.797	0.001	0.007
FBgn0037908	510.613	372.982	648.243	1.738	0.797	0.002	0.008
FBgn0085425	249.601	182.316	316.885	1.738	0.798	0.005	0.019
FBgn0002781	9824.686	7176.116	12473.256	1.738	0.798	0.001	0.004
FBgn0020278	1513.440	1105.214	1921.665	1.739	0.798	0.001	0.005

FBgn0033777	1395.875	1019.208	1772.542	1.739	0.798	0.003	0.014
FBgn0013674	7269.367	5307.201	9231.533	1.739	0.799	0.001	0.005
FBgn0044011	209.547	152.979	266.116	1.740	0.799	0.004	0.018
FBgn0036516	1569.920	1145.882	1993.958	1.740	0.799	0.001	0.006
FBgn0035713	4828.925	3524.468	6133.382	1.740	0.799	0.001	0.004
FBgn0039802	1403.944	1024.653	1783.234	1.740	0.799	0.001	0.005
FBgn0014869	9230.006	6735.262	11724.751	1.741	0.800	0.001	0.005
FBgn0262593	9584.245	6993.351	12175.140	1.741	0.800	0.001	0.005
FBgn0022710	3245.258	2366.897	4123.619	1.742	0.801	0.001	0.005
FBgn0027335	2811.787	2050.653	3572.921	1.742	0.801	0.001	0.004
FBgn0036851	417.172	304.238	530.106	1.742	0.801	0.003	0.011
FBgn0085430	5198.945	3791.308	6606.582	1.743	0.801	0.005	0.019
FBgn0000044	14304.376	10429.470	18179.282	1.743	0.802	0.001	0.005
FBgn0039283	408.699	297.937	519.461	1.744	0.802	0.002	0.010
FBgn0000667	3445.472	2511.640	4379.303	1.744	0.802	0.001	0.004
FBgn0001139	3054.876	2226.388	3883.363	1.744	0.803	0.001	0.005
FBgn0026181	2004.163	1460.616	2547.710	1.744	0.803	0.001	0.005
FBgn0031285	20968.174	15273.458	26662.891	1.746	0.804	0.001	0.004
FBgn0013720	907.876	661.293	1154.460	1.746	0.804	0.001	0.006
FBgn0038286	1806.523	1315.815	2297.231	1.746	0.804	0.001	0.005
FBgn0040823	452.338	329.437	575.239	1.746	0.804	0.005	0.018
FBgn0027868	479.481	349.201	609.760	1.746	0.804	0.002	0.009
FBgn0032643	948.936	690.921	1206.951	1.747	0.805	0.007	0.025
FBgn0003654	873.631	636.090	1111.172	1.747	0.805	0.001	0.007
FBgn0031971	6570.656	4782.871	8358.442	1.748	0.805	0.001	0.004
FBgn0026876	122.157	88.914	155.400	1.748	0.806	0.012	0.040
FBgn0039858	19239.697	14003.216	24476.178	1.748	0.806	0.001	0.004
FBgn0030528	375.264	273.099	477.430	1.748	0.806	0.009	0.031
FBgn0039286	291.760	212.309	371.211	1.748	0.806	0.003	0.014
FBgn0021874	463.316	337.142	589.491	1.748	0.806	0.002	0.008
FBgn0259146	880.980	640.922	1121.038	1.749	0.807	0.004	0.015
FBgn0037200	431.743	313.998	549.488	1.750	0.807	0.002	0.010
FBgn0038603	3163.735	2300.604	4026.865	1.750	0.808	0.001	0.004
FBgn0051122	1231.038	895.141	1566.934	1.750	0.808	0.001	0.006

FBgn0034858	1002.605	729.002	1276.207	1.751	0.808	0.001	0.006
FBgn0036761	766.886	557.520	976.252	1.751	0.808	0.001	0.006
FBgn0261955	15299.349	11119.580	19479.117	1.752	0.809	0.002	0.008
FBgn0010638	2975.925	2162.649	3789.200	1.752	0.809	0.008	0.028
FBgn0029937	1174.879	853.760	1495.998	1.752	0.809	0.001	0.005
FBgn0041582	1986.313	1443.193	2529.433	1.753	0.810	0.001	0.005
FBgn0032407	1539.406	1118.101	1960.712	1.754	0.810	0.001	0.005
FBgn0030286	4046.626	2938.932	5154.320	1.754	0.810	0.001	0.004
FBgn0035903	1160.567	842.879	1478.255	1.754	0.810	0.001	0.006
FBgn0003178	13650.531	9910.932	17390.131	1.755	0.811	0.001	0.003
FBgn0040281	3159.017	2293.565	4024.469	1.755	0.811	0.001	0.004
FBgn0000659	697.226	506.181	888.271	1.755	0.811	0.002	0.008
FBgn0250788	19424.649	14101.075	24748.223	1.755	0.812	0.001	0.004
FBgn0002622	54274.420	39395.076	69153.764	1.755	0.812	0.001	0.006
FBgn0023169	5632.520	4087.907	7177.133	1.756	0.812	0.001	0.004
FBgn0010238	1575.905	1143.567	2008.242	1.756	0.812	0.001	0.005
FBgn0261922	8213.488	5957.805	10469.171	1.757	0.813	0.001	0.003
FBgn0034887	873.006	633.214	1112.798	1.757	0.813	0.001	0.005
FBgn0015129	846.668	614.085	1079.250	1.757	0.814	0.001	0.006
FBgn0043796	654.029	474.342	833.715	1.758	0.814	0.001	0.007
FBgn0028370	1426.916	1034.811	1819.021	1.758	0.814	0.001	0.005
FBgn0039710	888.300	644.071	1132.529	1.758	0.814	0.001	0.006
FBgn0038810	1114.725	808.060	1421.390	1.759	0.815	0.001	0.005
FBgn0040529	8290.165	6008.608	10571.721	1.759	0.815	0.002	0.010
FBgn0263289	14139.589	10247.605	18031.573	1.760	0.815	0.001	0.005
FBgn0014133	8434.905	6111.118	10758.691	1.761	0.816	0.001	0.003
FBgn0001145	36864.996	26684.775	47045.216	1.763	0.818	0.001	0.004
FBgn0022023	5010.854	3626.585	6395.122	1.763	0.818	0.004	0.018
FBgn0023477	5213.285	3772.967	6653.603	1.763	0.818	0.004	0.016
FBgn0250789	17948.090	12987.705	22908.474	1.764	0.819	0.002	0.008
FBgn0262719	406.576	294.203	518.950	1.764	0.819	0.015	0.050
FBgn0010905	6508.128	4708.478	8307.778	1.764	0.819	0.001	0.004
FBgn0035638	609.327	440.739	777.914	1.765	0.820	0.010	0.035
FBgn0027790	4309.796	3116.664	5502.928	1.766	0.820	0.001	0.004



FBgn0030089	3877.021	2803.290	4950.753	1.766	0.821	0.001	0.003
FBgn0261573	2467.003	1783.744	3150.262	1.766	0.821	0.001	0.004
FBgn0015519	516.958	373.752	660.163	1.766	0.821	0.001	0.007
FBgn0034903	517.946	374.418	661.473	1.767	0.821	0.001	0.006
FBgn0032378	1455.790	1052.107	1859.474	1.767	0.822	0.001	0.005
FBgn0037342	1100.074	794.965	1405.183	1.768	0.822	0.006	0.023
FBgn0030434	690.168	498.641	881.696	1.768	0.822	0.001	0.005
FBgn0028983	1095.275	791.307	1399.244	1.768	0.822	0.012	0.041
FBgn0038747	1366.538	987.182	1745.893	1.769	0.823	0.001	0.005
FBgn0028926	543.676	392.672	694.680	1.769	0.823	0.001	0.007
FBgn0010213	3439.181	2483.698	4394.664	1.769	0.823	0.001	0.004
FBgn0026721	4875.865	3521.087	6230.643	1.770	0.823	0.001	0.003
FBgn0053547	12610.808	9105.374	16116.243	1.770	0.824	0.001	0.004
FBgn0036340	1652.956	1193.287	2112.625	1.770	0.824	0.001	0.004
FBgn0029778	631.978	456.178	807.778	1.771	0.824	0.002	0.008
FBgn0036039	1304.284	941.310	1667.257	1.771	0.825	0.001	0.005
FBgn0033443	113.082	81.604	144.561	1.772	0.825	0.012	0.041
FBgn0025635	367.673	265.018	470.327	1.775	0.828	0.002	0.009
FBgn0264087	16273.024	11729.566	20816.482	1.775	0.828	0.003	0.011
FBgn0086686	3715.610	2678.040	4753.179	1.775	0.828	0.004	0.016
FBgn0030600	7577.453	5461.390	9693.515	1.775	0.828	0.001	0.003
FBgn0086704	7502.818	5407.409	9598.226	1.775	0.828	0.000	0.002
FBgn0000036	1314.843	947.456	1682.231	1.776	0.828	0.001	0.006
FBgn0011769	358.345	258.166	458.525	1.776	0.829	0.002	0.009
FBgn0086698	487.132	350.827	623.437	1.777	0.829	0.001	0.007
FBgn0030878	1387.394	998.602	1776.186	1.779	0.831	0.001	0.004
FBgn0032782	1002.999	721.852	1284.147	1.779	0.831	0.001	0.005
FBgn0037475	284.558	204.783	364.332	1.779	0.831	0.002	0.010
FBgn0051125	185.760	133.669	237.851	1.779	0.831	0.006	0.022
FBgn0003301	8462.298	6088.802	10835.793	1.780	0.832	0.000	0.003
FBgn0020443	1805.844	1299.185	2312.504	1.780	0.832	0.001	0.004
FBgn0041588	588.340	423.253	753.427	1.780	0.832	0.001	0.005
FBgn0024321	1199.925	863.191	1536.658	1.780	0.832	0.001	0.005
FBgn0085451	3882.494	2792.465	4972.523	1.781	0.832	0.001	0.003

FBgn0030177	790.543	568.434	1012.653	1.781	0.833	0.001	0.005
FBgn0035234	129.317	92.964	165.670	1.782	0.834	0.010	0.035
FBgn0264606	4778.693	3435.241	6122.145	1.782	0.834	0.001	0.003
FBgn0033925	673.637	484.221	863.053	1.782	0.834	0.001	0.005
FBgn0000179	1800.244	1294.013	2306.476	1.782	0.834	0.002	0.008
FBgn0031745	159.152	114.358	203.946	1.783	0.835	0.006	0.022
FBgn0019982	1811.572	1301.690	2321.454	1.783	0.835	0.001	0.003
FBgn0038197	3085.072	2216.666	3953.479	1.784	0.835	0.001	0.003
FBgn0039213	3558.696	2556.446	4560.946	1.784	0.835	0.001	0.003
FBgn0003977	929.206	667.349	1191.062	1.785	0.836	0.001	0.004
FBgn0025864	3845.374	2761.090	4929.657	1.785	0.836	0.000	0.003
FBgn0034645	5046.179	3623.252	6469.107	1.785	0.836	0.000	0.003
FBgn0036734	2070.105	1486.288	2653.922	1.786	0.836	0.001	0.004
FBgn0035160	296.833	213.113	380.552	1.786	0.836	0.003	0.014
FBgn0053926	1456.058	1045.299	1866.816	1.786	0.837	0.009	0.032
FBgn0030026	573.134	411.368	734.899	1.786	0.837	0.001	0.006
FBgn0004865	633.140	454.406	811.874	1.787	0.837	0.001	0.006
FBgn0052392	244.874	175.721	314.027	1.787	0.838	0.004	0.015
FBgn0034931	206.368	148.088	264.648	1.787	0.838	0.004	0.016
FBgn0000064	32581.034	23373.385	41788.682	1.788	0.838	0.002	0.008
FBgn0038491	329.125	236.001	422.248	1.789	0.839	0.002	0.009
FBgn0035720	55556.452	39830.556	71282.348	1.790	0.840	0.000	0.003
FBgn0026083	6016.041	4312.739	7719.343	1.790	0.840	0.000	0.003
FBgn0004362	1863.020	1335.415	2390.625	1.790	0.840	0.001	0.004
FBgn0015247	2752.234	1972.453	3532.016	1.791	0.841	0.000	0.002
FBgn0039419	822.475	589.430	1055.520	1.791	0.841	0.001	0.005
FBgn0030092	250.874	179.778	321.970	1.791	0.841	0.003	0.013
FBgn0025335	899.939	644.894	1154.984	1.791	0.841	0.001	0.004
FBgn0052638	1343.776	962.925	1724.626	1.791	0.841	0.001	0.003
FBgn0037186	761.631	545.617	977.645	1.792	0.841	0.001	0.004
FBgn0261113	14036.539	10055.490	18017.588	1.792	0.841	0.001	0.003
FBgn0261873	11683.614	8368.208	14999.020	1.792	0.842	0.000	0.003
FBgn0015320	1020.577	730.792	1310.361	1.793	0.842	0.001	0.004
FBgn0029932	1006.932	720.783	1293.080	1.794	0.843	0.001	0.004

FBgn0025790	2158.323	1544.963	2771.682	1.794	0.843	0.000	0.003
FBgn0035199	151.404	108.377	194.431	1.794	0.843	0.004	0.016
FBgn0038385	288.199	206.257	370.140	1.795	0.844	0.006	0.024
FBgn0024189	2722.489	1947.450	3497.527	1.796	0.845	0.000	0.003
FBgn0033339	3184.021	2276.682	4091.361	1.797	0.846	0.000	0.003
FBgn0262139	601.369	429.900	772.837	1.798	0.846	0.001	0.005
FBgn0024846	684.160	489.078	879.242	1.798	0.846	0.001	0.004
FBgn0036374	2298.047	1642.504	2953.589	1.798	0.847	0.001	0.003
FBgn0030613	8468.158	6050.458	10885.858	1.799	0.847	0.000	0.002
FBgn0264339	1962.620	1402.265	2522.974	1.799	0.847	0.000	0.003
FBgn0050460	1355.460	968.427	1742.494	1.799	0.847	0.001	0.003
FBgn0030327	1238.623	884.519	1592.726	1.801	0.849	0.001	0.003
FBgn0022768	2736.661	1953.684	3519.639	1.802	0.849	0.001	0.003
FBgn0031457	786.189	561.064	1011.314	1.802	0.850	0.011	0.039
FBgn0263093	402.871	287.377	518.365	1.804	0.851	0.002	0.008
FBgn0030196	400.494	285.661	515.327	1.804	0.851	0.015	0.047
FBgn0020378	229.317	163.527	295.107	1.805	0.852	0.003	0.014
FBgn0011828	4189.787	2986.887	5392.687	1.805	0.852	0.000	0.002
FBgn0017549	2663.994	1899.026	3428.962	1.806	0.853	0.000	0.002
FBgn0036302	1224.035	872.336	1575.733	1.806	0.853	0.001	0.004
FBgn0039215	1459.022	1039.701	1878.342	1.807	0.853	0.000	0.003
FBgn0035260	360.587	256.844	464.330	1.808	0.854	0.002	0.008
FBgn0029835	282.750	201.374	364.127	1.808	0.855	0.002	0.009
FBgn0030810	3664.994	2610.016	4719.971	1.808	0.855	0.002	0.008
FBgn0031713	1205.214	858.245	1552.182	1.809	0.855	0.000	0.002
FBgn0024285	1484.905	1057.240	1912.570	1.809	0.855	0.000	0.003
FBgn0039713	61599.336	43851.882	79346.790	1.809	0.856	0.008	0.029
FBgn0033252	1326.168	943.882	1708.454	1.810	0.856	0.001	0.004
FBgn0261261	4323.820	3077.063	5570.578	1.810	0.856	0.000	0.002
FBgn0025571	3433.174	2443.194	4423.155	1.810	0.856	0.000	0.002
FBgn0030941	832.656	592.482	1072.830	1.811	0.857	0.001	0.004
FBgn0029580	247.548	176.082	319.014	1.812	0.857	0.002	0.009
FBgn0039709	1431.088	1017.849	1844.327	1.812	0.858	0.000	0.003
FBgn0011666	3328.394	2366.454	4290.335	1.813	0.858	0.006	0.023

FBgn0262032	335.640	238.628	432.651	1.813	0.858	0.002	0.008
FBgn0262601	285.193	202.666	367.721	1.814	0.860	0.002	0.008
FBgn0030052	1499.083	1065.202	1932.965	1.815	0.860	0.000	0.002
FBgn0036518	1882.223	1337.328	2427.117	1.815	0.860	0.000	0.003
FBgn0086712	1040.905	739.562	1342.249	1.815	0.860	0.000	0.003
FBgn0051390	980.668	696.564	1264.772	1.816	0.861	0.001	0.003
FBgn0033520	337.567	239.723	435.411	1.816	0.861	0.002	0.009
FBgn0034914	1907.733	1354.663	2460.802	1.817	0.861	0.001	0.004
FBgn0010473	10786.057	7658.292	13913.822	1.817	0.861	0.000	0.002
FBgn0263108	5279.173	3747.895	6810.451	1.817	0.862	0.000	0.002
FBgn0261649	2844.007	2018.620	3669.394	1.818	0.862	0.000	0.003
FBgn0053993	710.477	504.168	916.786	1.818	0.863	0.003	0.013
FBgn0040351	909.985	645.659	1174.311	1.819	0.863	0.001	0.004
FBgn0038108	5250.849	3725.611	6776.087	1.819	0.863	0.000	0.002
FBgn0031664	418.045	296.518	539.572	1.820	0.864	0.001	0.006
FBgn0015400	1108.265	785.879	1430.650	1.820	0.864	0.000	0.003
FBgn0086357	6336.864	4493.140	8180.589	1.821	0.864	0.000	0.002
FBgn0016041	2681.900	1901.392	3462.408	1.821	0.865	0.000	0.003
FBgn0029888	3005.379	2130.664	3880.093	1.821	0.865	0.005	0.020
FBgn0032773	15279.892	10832.235	19727.549	1.821	0.865	0.000	0.002
FBgn0035237	10211.562	7239.066	13184.057	1.821	0.865	0.000	0.002
FBgn0023458	10751.468	7620.927	13882.008	1.822	0.865	0.000	0.002
FBgn0035600	6462.511	4579.591	8345.431	1.822	0.866	0.001	0.007
FBgn0259927	5470.242	3875.838	7064.646	1.823	0.866	0.000	0.002
FBgn0035816	958.633	678.924	1238.342	1.824	0.867	0.001	0.004
FBgn0030508	1976.241	1399.413	2553.070	1.824	0.867	0.000	0.003
FBgn0029929	591.726	418.827	764.626	1.826	0.868	0.001	0.004
FBgn0040918	1382.715	978.479	1786.952	1.826	0.869	0.001	0.004
FBgn0002525	1717.660	1215.332	2219.987	1.827	0.869	0.000	0.003
FBgn0051151	4359.182	3083.844	5634.521	1.827	0.870	0.000	0.002
FBgn0037882	152.428	107.830	197.027	1.827	0.870	0.005	0.021
FBgn0264308	2599.513	1838.771	3360.254	1.827	0.870	0.000	0.002
FBgn0042712	1082.932	765.933	1399.931	1.828	0.870	0.000	0.003
FBgn0027291	5202.962	3679.006	6726.917	1.828	0.871	0.003	0.012

FBgn0004893	507.917	359.132	656.702	1.829	0.871	0.001	0.005
FBgn0085449	919.954	650.283	1189.625	1.829	0.871	0.001	0.003
FBgn0031529	401.261	283.469	519.054	1.831	0.873	0.012	0.041
FBgn0039136	1563.236	1104.057	2022.415	1.832	0.873	0.000	0.002
FBgn0086676	4437.127	3133.597	5740.657	1.832	0.873	0.000	0.002
FBgn0030053	798.890	564.090	1033.689	1.832	0.874	0.001	0.006
FBgn0038246	1903.068	1343.589	2462.548	1.833	0.874	0.000	0.002
FBgn0038516	2002.108	1413.253	2590.963	1.833	0.874	0.000	0.003
FBgn0041111	4474.694	3158.318	5791.071	1.834	0.875	0.000	0.002
FBgn0030447	621.067	438.201	803.934	1.835	0.875	0.001	0.003
FBgn0039561	2214.887	1562.237	2867.537	1.836	0.876	0.000	0.002
FBgn0037546	714.803	504.160	925.445	1.836	0.876	0.013	0.042
FBgn0038316	806.135	568.553	1043.718	1.836	0.876	0.000	0.003
FBgn0034588	9690.919	6834.404	12547.434	1.836	0.877	0.000	0.001
FBgn0029840	1960.030	1381.764	2538.297	1.837	0.877	0.000	0.002
FBgn0004401	5860.471	4131.382	7589.560	1.837	0.877	0.000	0.001
FBgn0039175	832.528	586.832	1078.223	1.837	0.878	0.000	0.003
FBgn0262081	3454.551	2433.856	4475.246	1.839	0.879	0.000	0.002
FBgn0052547	552.784	389.444	716.124	1.839	0.879	0.001	0.004
FBgn0037391	2012.742	1417.574	2607.910	1.840	0.879	0.000	0.002
FBgn0024232	2163.770	1523.925	2803.614	1.840	0.879	0.003	0.012
FBgn0031011	1543.388	1086.961	1999.816	1.840	0.880	0.000	0.002
FBgn0023518	2053.476	1444.972	2661.980	1.842	0.881	0.000	0.002
FBgn0024973	1215.401	855.115	1575.687	1.843	0.882	0.000	0.002
FBgn0085421	4485.570	3155.629	5815.511	1.843	0.882	0.000	0.002
FBgn0259823	1845.664	1298.381	2392.948	1.843	0.882	0.000	0.002
FBgn0030027	902.407	634.810	1170.003	1.843	0.882	0.000	0.002
FBgn0037375	1565.343	1101.090	2029.597	1.843	0.882	0.000	0.002
FBgn0023214	490.202	344.809	635.596	1.843	0.882	0.001	0.005
FBgn0003071	5990.941	4213.788	7768.094	1.843	0.882	0.000	0.001
FBgn0025631	1369.378	962.918	1775.839	1.844	0.883	0.000	0.002
FBgn0037574	235.601	165.656	305.545	1.844	0.883	0.002	0.009
FBgn0261723	172.897	121.538	224.256	1.845	0.884	0.004	0.015
FBgn0037881	1747.540	1228.081	2266.999	1.846	0.884	0.000	0.002

FBgn0002441	1915.012	1345.714	2484.309	1.846	0.884	0.000	0.002
FBgn0000567	1533.637	1077.610	1989.663	1.846	0.885	0.000	0.002
FBgn0010194	686.507	482.274	890.741	1.847	0.885	0.001	0.003
FBgn0031282	300.045	210.765	389.326	1.847	0.885	0.002	0.008
FBgn0031097	193.134	135.622	250.645	1.848	0.886	0.002	0.011
FBgn0033249	909.598	638.707	1180.489	1.848	0.886	0.000	0.002
FBgn0033368	1261.889	886.045	1637.733	1.848	0.886	0.005	0.019
FBgn0052333	2383.072	1673.067	3093.077	1.849	0.887	0.000	0.002
FBgn0261929	438.736	307.912	569.561	1.850	0.887	0.001	0.004
FBgn0011722	5118.895	3591.570	6646.219	1.851	0.888	0.000	0.001
FBgn0024814	3995.491	2802.861	5188.120	1.851	0.888	0.000	0.002
FBgn0034583	4997.119	3504.726	6489.512	1.852	0.889	0.009	0.031
FBgn0033226	2858.915	2005.006	3712.824	1.852	0.889	0.000	0.001
FBgn0040337	534.952	375.003	694.902	1.853	0.890	0.001	0.007
FBgn0025621	2048.801	1435.958	2661.644	1.854	0.890	0.000	0.001
FBgn0005613	111.774	78.321	145.228	1.854	0.891	0.009	0.031
FBgn0032772	225.963	158.316	293.610	1.855	0.891	0.002	0.008
FBgn0011236	782.508	548.144	1016.872	1.855	0.892	0.000	0.003
FBgn0034643	1455.860	1019.624	1892.096	1.856	0.892	0.000	0.002
FBgn0259150	2648.061	1854.576	3441.545	1.856	0.892	0.000	0.002
FBgn0031497	1739.510	1218.234	2260.786	1.856	0.892	0.000	0.001
FBgn0015075	596.488	417.673	775.303	1.856	0.892	0.001	0.003
FBgn0004507	16744.573	11723.566	21765.580	1.857	0.893	0.002	0.008
FBgn0027550	2634.153	1844.255	3424.051	1.857	0.893	0.000	0.001
FBgn0032886	1432.456	1002.789	1862.124	1.857	0.893	0.000	0.002
FBgn0028418	367.598	257.261	477.935	1.858	0.894	0.001	0.006
FBgn0004359	518.893	363.055	674.731	1.858	0.894	0.001	0.007
FBgn0262527	6110.411	4274.445	7946.378	1.859	0.895	0.000	0.001
FBgn0005596	622.175	434.936	809.414	1.861	0.896	0.001	0.004
FBgn0261394	2057.360	1438.194	2676.526	1.861	0.896	0.000	0.001
FBgn0052105	203.042	141.935	264.149	1.861	0.896	0.003	0.011
FBgn0031321	288.515	201.597	375.433	1.862	0.897	0.001	0.007
FBgn0010113	2014.201	1407.162	2621.240	1.863	0.897	0.001	0.007
FBgn0031098	445.388	311.106	579.670	1.863	0.898	0.001	0.003

FBgn0028978	491.019	342.952	639.086	1.863	0.898	0.001	0.004
FBgn0028499	446.027	311.522	580.532	1.864	0.898	0.001	0.003
FBgn0263995	11001.082	7683.247	14318.918	1.864	0.898	0.001	0.006
FBgn0041105	99.221	69.276	129.166	1.865	0.899	0.012	0.039
FBgn0033373	736.490	514.214	958.766	1.865	0.899	0.000	0.002
FBgn0263993	5190.111	3623.300	6756.922	1.865	0.899	0.001	0.004
FBgn0086708	4483.273	3129.261	5837.285	1.865	0.899	0.000	0.001
FBgn0029105	1574.873	1099.099	2050.648	1.866	0.900	0.001	0.005
FBgn0015371	8329.644	5812.129	10847.159	1.866	0.900	0.000	0.001
FBgn0031257	915.366	638.271	1192.461	1.868	0.902	0.000	0.002
FBgn0002590	26290.169	18327.034	34253.304	1.869	0.902	0.002	0.010
FBgn0026079	745.308	519.387	971.228	1.870	0.903	0.000	0.002
FBgn0038742	1425.160	993.161	1857.160	1.870	0.903	0.000	0.002
FBgn0027602	531.656	370.495	692.817	1.870	0.903	0.001	0.003
FBgn0039557	320.497	223.274	417.720	1.871	0.904	0.005	0.021
FBgn0031314	260.832	181.706	339.958	1.871	0.904	0.001	0.007
FBgn0033926	5797.006	4038.354	7555.658	1.871	0.904	0.000	0.001
FBgn0031488	221.082	153.976	288.188	1.872	0.904	0.001	0.007
FBgn0030502	2038.875	1419.463	2658.287	1.873	0.905	0.002	0.011
FBgn0261556	3266.136	2273.172	4259.101	1.874	0.906	0.000	0.001
FBgn0020618	62632.644	43590.515	81674.773	1.874	0.906	0.009	0.033
FBgn0020626	2825.942	1966.127	3685.756	1.875	0.907	0.000	0.001
FBgn0000557	18605.439	12941.939	24268.938	1.875	0.907	0.000	0.001
FBgn0263354	7365.432	5123.306	9607.557	1.875	0.907	0.000	0.001
FBgn0031791	311.387	216.590	406.183	1.875	0.907	0.001	0.005
FBgn0263144	2233.781	1553.408	2914.154	1.876	0.908	0.000	0.001
FBgn0041585	1547.694	1076.092	2019.295	1.877	0.908	0.000	0.001
FBgn0035404	3915.698	2721.562	5109.834	1.878	0.909	0.000	0.001
FBgn0085422	626.774	435.621	817.928	1.878	0.909	0.000	0.002
FBgn0028572	3927.565	2729.545	5125.585	1.878	0.909	0.000	0.001
FBgn0000181	17222.076	11968.486	22475.665	1.878	0.909	0.000	0.001
FBgn0011656	3901.145	2711.070	5091.220	1.878	0.909	0.000	0.001
FBgn0035010	782.093	543.384	1020.803	1.879	0.910	0.000	0.002
FBgn0031309	142.186	98.785	185.588	1.879	0.910	0.005	0.019

FBgn0036285	546.966	379.965	713.967	1.879	0.910	0.000	0.002
FBgn0039757	34465.796	23934.242	44997.350	1.880	0.911	0.000	0.001
FBgn0052813	970.182	673.692	1266.673	1.880	0.911	0.000	0.001
FBgn0001219	63914.504	44381.013	83447.995	1.880	0.911	0.000	0.001
FBgn0033431	295.011	204.846	385.176	1.880	0.911	0.001	0.005
FBgn0010602	1733.902	1203.918	2263.886	1.880	0.911	0.004	0.015
FBgn0036844	1380.309	958.142	1802.477	1.881	0.912	0.000	0.002
FBgn0031066	11058.097	7675.428	14440.767	1.881	0.912	0.001	0.004
FBgn0015737	6058.807	4204.291	7913.323	1.882	0.912	0.004	0.017
FBgn0032748	1824.469	1265.391	2383.546	1.884	0.914	0.000	0.001
FBgn0003326	401.297	278.276	524.318	1.884	0.914	0.001	0.003
FBgn0034990	102.616	71.148	134.083	1.885	0.914	0.003	0.014
FBgn0051352	1138.347	789.028	1487.666	1.885	0.915	0.000	0.002
FBgn0259994	17444.153	12090.882	22797.424	1.886	0.915	0.000	0.001
FBgn0051183	1463.643	1014.358	1912.928	1.886	0.915	0.000	0.001
FBgn0024314	1007.427	698.168	1316.687	1.886	0.915	0.000	0.001
FBgn0004903	1473.137	1020.770	1925.503	1.886	0.916	0.000	0.001
FBgn0039013	334.690	231.910	437.471	1.886	0.916	0.001	0.004
FBgn0029839	909.975	630.448	1189.502	1.887	0.916	0.000	0.001
FBgn0023540	1152.883	798.620	1507.147	1.887	0.916	0.000	0.001
FBgn0015277	1193.446	826.540	1560.352	1.888	0.917	0.000	0.001
FBgn0051869	1373.085	950.947	1795.222	1.888	0.917	0.000	0.001
FBgn0004910	976.432	676.192	1276.672	1.888	0.917	0.000	0.002
FBgn0008636	284.814	197.224	372.405	1.888	0.917	0.001	0.005
FBgn0040765	553.069	382.942	723.195	1.889	0.917	0.001	0.003
FBgn0027580	15102.468	10454.505	19750.431	1.889	0.918	0.000	0.001
FBgn0031313	6137.998	4248.927	8027.069	1.889	0.918	0.000	0.001
FBgn0016794	1209.019	836.899	1581.138	1.889	0.918	0.000	0.001
FBgn0085443	3033.428	2099.115	3967.741	1.890	0.919	0.000	0.001
FBgn0030218	741.550	513.052	970.048	1.891	0.919	0.000	0.002
FBgn0263231	4055.784	2805.777	5305.791	1.891	0.919	0.000	0.001
FBgn0035983	1214.196	839.637	1588.755	1.892	0.920	0.008	0.028
FBgn0052815	2307.848	1595.765	3019.930	1.892	0.920	0.000	0.001
FBgn0013811	108.178	74.785	141.570	1.893	0.921	0.006	0.024



FBgn0032753	910.397	629.291	1191.504	1.893	0.921	0.000	0.001
FBgn0030058	141.109	97.527	184.691	1.894	0.921	0.003	0.014
FBgn0044871	353.368	244.222	462.514	1.894	0.921	0.001	0.004
FBgn0025678	1429.618	987.841	1871.394	1.894	0.922	0.000	0.001
FBgn0035318	929.768	642.370	1217.166	1.895	0.922	0.000	0.001
FBgn0000579	21020.281	14521.031	27519.532	1.895	0.922	0.002	0.010
FBgn0030240	1189.019	821.318	1556.721	1.895	0.922	0.000	0.001
FBgn0261931	1580.035	1090.973	2069.098	1.897	0.923	0.000	0.001
FBgn0028490	26713.018	18438.422	34987.614	1.898	0.924	0.000	0.001
FBgn0020439	7864.248	5424.303	10304.193	1.900	0.926	0.004	0.017
FBgn0031357	432.653	298.260	567.046	1.901	0.927	0.000	0.003
FBgn0052677	5474.421	3773.656	7175.185	1.901	0.927	0.000	0.001
FBgn0030645	683.356	471.052	895.661	1.901	0.927	0.001	0.003
FBgn0033183	1407.839	970.437	1845.240	1.901	0.927	0.000	0.001
FBgn0036032	4757.341	3278.523	6236.158	1.902	0.928	0.000	0.001
FBgn0031306	9769.879	6732.587	12807.171	1.902	0.928	0.000	0.001
FBgn0033988	2084.109	1436.151	2732.068	1.902	0.928	0.000	0.001
FBgn0034308	2210.625	1523.233	2898.017	1.903	0.928	0.000	0.001
FBgn0053988	5372.397	3701.407	7043.386	1.903	0.928	0.000	0.001
FBgn0015221	18655.297	12852.758	24457.835	1.903	0.928	0.002	0.007
FBgn0040071	2311.942	1592.703	3031.182	1.903	0.928	0.000	0.002
FBgn0040237	1626.608	1120.420	2132.797	1.904	0.929	0.003	0.015
FBgn0033342	3326.001	2290.819	4361.184	1.904	0.929	0.000	0.001
FBgn0031739	420.258	289.439	551.076	1.904	0.929	0.001	0.003
FBgn0264542	4442.070	3058.186	5825.955	1.905	0.930	0.000	0.001
FBgn0027621	10814.139	7444.453	14183.824	1.905	0.930	0.000	0.001
FBgn0033153	479.242	329.909	628.576	1.905	0.930	0.000	0.003
FBgn0263602	274.693	189.080	360.306	1.906	0.930	0.001	0.004
FBgn0025800	3205.210	2205.843	4204.576	1.906	0.931	0.000	0.001
FBgn0026319	345.434	237.702	453.166	1.906	0.931	0.001	0.003
FBgn0052121	103.201	71.014	135.387	1.906	0.931	0.007	0.026
FBgn0037312	1501.971	1033.363	1970.579	1.907	0.931	0.000	0.002
FBgn0264652	1535.547	1056.384	2014.709	1.907	0.931	0.000	0.001
FBgn0031050	776.799	534.354	1019.243	1.907	0.932	0.000	0.001

FBgn0000114	1946.261	1338.590	2553.931	1.908	0.932	0.000	0.001
FBgn0025638	1966.034	1352.083	2579.984	1.908	0.932	0.000	0.001
FBgn0024944	1360.556	935.479	1785.634	1.909	0.933	0.000	0.001
FBgn0005633	193.219	132.831	253.607	1.909	0.933	0.010	0.035
FBgn0029123	3491.984	2400.233	4583.736	1.910	0.933	0.003	0.011
FBgn0034718	3166.582	2176.448	4156.715	1.910	0.933	0.000	0.001
FBgn0015558	5080.064	3490.897	6669.230	1.910	0.934	0.000	0.001
FBgn0035147	2981.838	2048.744	3914.932	1.911	0.934	0.000	0.001
FBgn0031895	400.610	275.209	526.011	1.911	0.935	0.001	0.003
FBgn0011766	3366.235	2311.969	4420.500	1.912	0.935	0.000	0.001
FBgn0001138	209.743	144.031	275.455	1.912	0.935	0.002	0.008
FBgn0030316	387.390	266.016	508.764	1.913	0.935	0.000	0.003
FBgn0031413	134.957	92.673	177.241	1.913	0.935	0.003	0.014
FBgn0015402	1564.926	1074.455	2055.398	1.913	0.936	0.000	0.001
FBgn0028685	2009.533	1379.490	2639.577	1.913	0.936	0.000	0.001
FBgn0083949	3391.380	2328.050	4454.709	1.913	0.936	0.000	0.001
FBgn0031022	272.733	187.219	358.247	1.914	0.936	0.001	0.004
FBgn0003410	938.227	643.970	1232.484	1.914	0.937	0.000	0.001
FBgn0029820	2444.445	1677.765	3211.126	1.914	0.937	0.000	0.001
FBgn0038975	10449.712	7170.074	13729.349	1.915	0.937	0.000	0.001
FBgn0021765	9565.629	6562.177	12569.080	1.915	0.938	0.003	0.013
FBgn0033188	5312.100	3643.759	6980.441	1.916	0.938	0.000	0.001
FBgn0010380	3691.062	2528.830	4853.294	1.919	0.940	0.000	0.001
FBgn0000546	2013.592	1379.410	2647.774	1.919	0.941	0.000	0.003
FBgn0034691	3979.459	2725.520	5233.398	1.920	0.941	0.000	0.001
FBgn0020655	1517.300	1039.143	1995.458	1.920	0.941	0.000	0.001
FBgn0263390	2578.271	1765.044	3391.498	1.921	0.942	0.009	0.031
FBgn0029830	176.172	120.541	231.803	1.923	0.943	0.001	0.006
FBgn0053193	601.339	411.360	791.318	1.924	0.944	0.001	0.005
FBgn0025878	664.493	454.515	874.471	1.924	0.944	0.000	0.002
FBgn0028342	9816.043	6713.971	12918.116	1.924	0.944	0.015	0.047
FBgn0030731	4097.008	2801.507	5392.509	1.925	0.945	0.003	0.014
FBgn0035558	1132.916	774.616	1491.216	1.925	0.945	0.000	0.001
FBgn0263395	4638.388	3171.281	6105.496	1.925	0.945	0.000	0.001

FBgn0021944	477.007	326.102	627.913	1.926	0.945	0.000	0.002
FBgn0086384	1648.496	1126.639	2170.353	1.926	0.946	0.000	0.002
FBgn0020510	961.721	657.102	1266.341	1.927	0.946	0.000	0.001
FBgn0035041	1304.207	891.074	1717.341	1.927	0.947	0.000	0.001
FBgn0264075	998.829	682.427	1315.232	1.927	0.947	0.000	0.003
FBgn0261647	1498.982	1023.905	1974.059	1.928	0.947	0.000	0.001
FBgn0038043	1577.275	1077.121	2077.430	1.929	0.948	0.000	0.001
FBgn0052533	539.347	368.318	710.376	1.929	0.948	0.000	0.001
FBgn0037627	764.294	521.822	1006.766	1.929	0.948	0.005	0.020
FBgn0036341	1583.439	1081.072	2085.805	1.929	0.948	0.000	0.001
FBgn0086736	2172.642	1483.232	2862.052	1.930	0.948	0.000	0.001
FBgn0035050	750.768	512.509	989.026	1.930	0.948	0.000	0.001
FBgn0035676	1512.209	1032.004	1992.414	1.931	0.949	0.000	0.001
FBgn0003285	338.447	230.972	445.921	1.931	0.949	0.000	0.003
FBgn0053548	3441.210	2348.425	4533.996	1.931	0.949	0.010	0.034
FBgn0052062	5731.528	3910.351	7552.705	1.931	0.950	0.008	0.028
FBgn0021979	9180.174	6261.916	12098.432	1.932	0.950	0.000	0.001
FBgn0000533	348.625	237.798	459.451	1.932	0.950	0.000	0.003
FBgn0037734	1721.941	1174.371	2269.512	1.933	0.950	0.000	0.001
FBgn0031568	333.414	227.235	439.593	1.935	0.952	0.001	0.004
FBgn0039346	112.136	76.389	147.884	1.936	0.953	0.005	0.019
FBgn0066114	960.804	654.325	1267.283	1.937	0.954	0.000	0.002
FBgn0031682	560.644	381.792	739.497	1.937	0.954	0.001	0.004
FBgn0038098	412.727	280.982	544.472	1.938	0.954	0.000	0.002
FBgn0263865	8193.290	5577.713	10808.867	1.938	0.954	0.000	0.002
FBgn0040318	65.899	44.855	86.942	1.938	0.955	0.013	0.044
FBgn0024234	1204.717	819.829	1589.606	1.939	0.955	0.000	0.001
FBgn0250871	1161.124	790.082	1532.166	1.939	0.955	0.001	0.007
FBgn0035542	7354.250	5003.231	9705.269	1.940	0.956	0.000	0.002
FBgn0086408	209.371	142.423	276.320	1.940	0.956	0.001	0.005
FBgn0013949	5950.593	4046.797	7854.389	1.941	0.957	0.000	0.000
FBgn0022774	1363.908	927.521	1800.294	1.941	0.957	0.000	0.001
FBgn0014859	649.893	441.800	857.985	1.942	0.958	0.000	0.001
FBgn0033365	60.410	41.059	79.761	1.943	0.958	0.010	0.036

FBgn0038220	2056.279	1397.582	2714.976	1.943	0.958	0.000	0.001
FBgn0039747	295.231	200.562	389.900	1.944	0.959	0.000	0.003
FBgn0029720	2074.734	1409.189	2740.279	1.945	0.959	0.000	0.001
FBgn0263005	178.800	121.441	236.158	1.945	0.959	0.001	0.006
FBgn0030963	104.827	71.178	138.476	1.945	0.960	0.005	0.019
FBgn0264489	8154.776	5536.759	10772.792	1.946	0.960	0.012	0.039
FBgn0010387	4051.881	2750.624	5353.139	1.946	0.961	0.003	0.012
FBgn0041607	4528.248	3073.047	5983.450	1.947	0.961	0.000	0.000
FBgn0261983	947.665	643.036	1252.295	1.947	0.962	0.007	0.027
FBgn0037720	1705.730	1157.354	2254.106	1.948	0.962	0.000	0.001
FBgn0033403	3751.570	2544.236	4958.905	1.949	0.963	0.000	0.001
FBgn0029911	2335.252	1583.341	3087.164	1.950	0.963	0.000	0.001
FBgn0039665	468.368	317.537	619.199	1.950	0.963	0.004	0.015
FBgn0000556	130367.491	88362.729	172372.253	1.951	0.964	0.001	0.003
FBgn0052808	180.038	122.022	238.053	1.951	0.964	0.001	0.007
FBgn0030532	1437.379	974.146	1900.612	1.951	0.964	0.001	0.004
FBgn0004396	1136.307	769.914	1502.700	1.952	0.965	0.009	0.032
FBgn0014388	3438.000	2329.437	4546.562	1.952	0.965	0.000	0.001
FBgn0029504	5051.159	3421.895	6680.423	1.952	0.965	0.000	0.001
FBgn0040092	332.133	224.957	439.308	1.953	0.966	0.001	0.004
FBgn0039118	655.361	443.765	866.958	1.954	0.966	0.000	0.001
FBgn0030891	631.821	427.805	835.838	1.954	0.966	0.000	0.001
FBgn0033166	2909.804	1970.117	3849.491	1.954	0.966	0.000	0.001
FBgn0260648	184.708	124.977	244.439	1.956	0.968	0.001	0.006
FBgn0003997	433.951	293.552	574.351	1.957	0.968	0.000	0.002
FBgn0037705	8166.285	5523.150	10809.419	1.957	0.969	0.000	0.000
FBgn0052532	418.862	283.189	554.534	1.958	0.970	0.000	0.002
FBgn0261285	3372.518	2280.059	4464.978	1.958	0.970	0.000	0.000
FBgn0038271	11901.729	8043.799	15759.659	1.959	0.970	0.000	0.000
FBgn0024754	1625.366	1097.886	2152.847	1.961	0.972	0.000	0.001
FBgn0010830	1005.751	679.085	1332.417	1.962	0.972	0.000	0.001
FBgn0028543	6843.076	4618.319	9067.833	1.963	0.973	0.000	0.000
FBgn0004858	1185.204	799.681	1570.728	1.964	0.974	0.002	0.011
FBgn0052667	8176.016	5515.119	10836.912	1.965	0.974	0.006	0.024

FBgn0037164	559.471	377.363	741.579	1.965	0.975	0.004	0.018
FBgn0031817	882.376	595.055	1169.697	1.966	0.975	0.000	0.001
FBgn0026713	1106.064	745.830	1466.298	1.966	0.975	0.000	0.001
FBgn0030797	177.034	119.375	234.693	1.966	0.975	0.011	0.038
FBgn0051235	223.285	150.500	296.070	1.967	0.976	0.000	0.003
FBgn0031016	1463.908	986.639	1941.177	1.967	0.976	0.000	0.001
FBgn0034985	3078.058	2074.372	4081.743	1.968	0.977	0.000	0.001
FBgn0030853	4438.077	2990.759	5885.396	1.968	0.977	0.008	0.029
FBgn0261444	6155.799	4148.188	8163.410	1.968	0.977	0.000	0.000
FBgn0044823	165.727	111.626	219.828	1.969	0.978	0.014	0.046
FBgn0003462	12810.852	8627.310	16994.395	1.970	0.978	0.001	0.006
FBgn0030530	900.098	606.016	1194.179	1.971	0.979	0.000	0.001
FBgn0030008	132.834	89.424	176.243	1.971	0.979	0.002	0.010
FBgn0000046	1771.974	1192.806	2351.143	1.971	0.979	0.001	0.007
FBgn0031256	577.779	388.931	766.628	1.971	0.979	0.000	0.001
FBgn0264598	10639.228	7160.774	14117.682	1.972	0.979	0.000	0.000
FBgn0030638	954.134	642.176	1266.092	1.972	0.979	0.001	0.004
FBgn0004057	898.990	604.762	1193.219	1.973	0.980	0.000	0.001
FBgn0085257	161.672	108.730	214.614	1.974	0.981	0.001	0.007
FBgn0040900	96.421	64.839	128.003	1.974	0.981	0.007	0.025
FBgn0035092	2833.716	1904.505	3762.927	1.976	0.982	0.000	0.000
FBgn0002567	7240.667	4865.289	9616.044	1.976	0.983	0.000	0.000
FBgn0038145	12859.368	8640.188	17078.548	1.977	0.983	0.000	0.000
FBgn0031020	2626.534	1762.755	3490.314	1.980	0.986	0.000	0.000
FBgn0022160	8156.911	5473.945	10839.877	1.980	0.986	0.000	0.000
FBgn0031106	1037.022	695.771	1378.274	1.981	0.986	0.000	0.001
FBgn0031294	98630.461	66162.148	131098.774	1.981	0.987	0.000	0.000
FBgn0030806	466.839	313.089	620.589	1.982	0.987	0.002	0.009
FBgn0015781	553.358	371.113	735.603	1.982	0.987	0.000	0.001
FBgn0000520	536.050	359.433	712.666	1.983	0.988	0.000	0.001
FBgn0031174	1723.778	1155.527	2292.030	1.984	0.988	0.000	0.000
FBgn0027493	4479.672	3001.941	5957.402	1.985	0.989	0.000	0.000
FBgn0032180	767.444	514.277	1020.610	1.985	0.989	0.000	0.001
FBgn0010313	4614.162	3090.921	6137.403	1.986	0.990	0.004	0.017

FBgn0038815	1090.751	730.539	1450.963	1.986	0.990	0.000	0.001
FBgn0051548	1889.826	1265.314	2514.338	1.987	0.991	0.000	0.000
FBgn0039026	12923.440	8652.689	17194.192	1.987	0.991	0.000	0.000
FBgn0033739	3768.551	2523.075	5014.026	1.987	0.991	0.000	0.000
FBgn0035253	26537.204	17756.876	35317.532	1.989	0.992	0.000	0.000
FBgn0261545	437.442	292.684	582.199	1.989	0.992	0.000	0.002
FBgn0003093	4221.879	2824.714	5619.044	1.989	0.992	0.000	0.000
FBgn0033340	2048.743	1370.569	2726.917	1.990	0.992	0.001	0.004
FBgn0002932	201.189	134.569	267.809	1.990	0.993	0.001	0.004
FBgn0028979	323.163	216.106	430.220	1.991	0.993	0.001	0.006
FBgn0036935	2220.248	1484.505	2955.990	1.991	0.994	0.000	0.000
FBgn0000150	18131.031	12120.664	24141.399	1.992	0.994	0.000	0.002
FBgn0033405	445.712	297.929	593.496	1.992	0.994	0.000	0.001
FBgn0013972	3769.442	2519.346	5019.537	1.992	0.995	0.000	0.000
FBgn0024362	1418.067	946.968	1889.166	1.995	0.996	0.000	0.001
FBgn0264442	2516.234	1678.259	3354.208	1.999	0.999	0.000	0.000
FBgn0031040	1410.731	940.872	1880.591	1.999	0.999	0.001	0.004
FBgn0041342	3339.188	2225.994	4452.381	2.000	1.000	0.000	0.000
FBgn0035283	2106.190	1403.455	2808.925	2.001	1.001	0.000	0.003
FBgn0038806	762.463	507.994	1016.932	2.002	1.001	0.000	0.002
FBgn0033438	1725.086	1149.023	2301.149	2.003	1.002	0.000	0.000
FBgn0034970	1295.665	862.604	1728.727	2.004	1.003	0.000	0.000
FBgn0085400	1470.513	978.964	1962.062	2.004	1.003	0.000	0.000
FBgn0029897	24801.674	16507.769	33095.579	2.005	1.003	0.002	0.010
FBgn0036732	1535.020	1021.634	2048.407	2.005	1.004	0.000	0.000
FBgn0034915	1051.803	699.892	1403.715	2.006	1.004	0.000	0.000
FBgn0261597	39495.666	26279.873	52711.458	2.006	1.004	0.013	0.043
FBgn0035181	3006.653	2000.139	4013.167	2.006	1.005	0.008	0.028
FBgn0030662	667.977	444.283	891.672	2.007	1.005	0.000	0.001
FBgn0039461	488.171	324.684	651.658	2.007	1.005	0.000	0.001
FBgn0262114	5756.298	3828.153	7684.444	2.007	1.005	0.000	0.000
FBgn0085390	2354.109	1565.226	3142.992	2.008	1.006	0.000	0.000
FBgn0000257	782.610	520.344	1044.877	2.008	1.006	0.000	0.001
FBgn0259923	1681.330	1117.817	2244.842	2.008	1.006	0.000	0.000

FBgn0264357	5844.627	3885.544	7803.710	2.008	1.006	0.000	0.000
FBgn0034693	9201.166	6115.102	12287.229	2.009	1.007	0.000	0.000
FBgn0040394	1302.038	865.023	1739.053	2.010	1.007	0.000	0.000
FBgn0000395	728.704	484.075	973.332	2.011	1.008	0.012	0.040
FBgn0039212	836.546	555.711	1117.381	2.011	1.008	0.000	0.001
FBgn0020269	1236.966	821.411	1652.521	2.012	1.008	0.000	0.000
FBgn0027585	4165.619	2765.322	5565.917	2.013	1.009	0.000	0.000
FBgn0002940	1523809.181	1011384.455	2036233.907	2.013	1.010	0.000	0.000
FBgn0051530	1067.173	708.292	1426.055	2.013	1.010	0.000	0.000
FBgn0024364	537.456	356.656	718.255	2.014	1.010	0.000	0.001
FBgn0030318	563.003	373.551	752.455	2.014	1.010	0.001	0.006
FBgn0031077	547.938	363.494	732.382	2.015	1.011	0.000	0.001
FBgn0052549	9001.080	5970.034	12032.127	2.015	1.011	0.000	0.000
FBgn0033814	2146.264	1423.184	2869.343	2.016	1.012	0.000	0.000
FBgn0003475	6352.622	4211.945	8493.299	2.016	1.012	0.000	0.000
FBgn0003885	2100.802	1392.740	2808.863	2.017	1.012	0.000	0.000
FBgn0261341	525.690	348.457	702.923	2.017	1.012	0.003	0.013
FBgn0263706	2050.472	1358.560	2742.383	2.019	1.013	0.000	0.000
FBgn0261509	1086.672	719.365	1453.979	2.021	1.015	0.000	0.000
FBgn0031391	604.977	400.164	809.789	2.024	1.017	0.000	0.001
FBgn0030915	476.227	314.932	637.522	2.024	1.017	0.000	0.001
FBgn0033907	853.836	564.633	1143.038	2.024	1.017	0.003	0.013
FBgn0034434	1019.625	674.198	1365.053	2.025	1.018	0.000	0.000
FBgn0027795	110.513	73.072	147.953	2.025	1.018	0.004	0.016
FBgn0050446	275.541	182.097	368.984	2.026	1.019	0.000	0.002
FBgn0261588	3384.825	2236.689	4532.962	2.027	1.019	0.000	0.003
FBgn0033812	1940.701	1281.780	2599.622	2.028	1.020	0.000	0.000
FBgn0034504	3894.036	2571.499	5216.573	2.029	1.020	0.000	0.000
FBgn0024841	4343.995	2868.249	5819.741	2.029	1.021	0.001	0.004
FBgn0039767	1637.613	1081.252	2193.975	2.029	1.021	0.000	0.000
FBgn0034877	12588.328	8311.050	16865.606	2.029	1.021	0.004	0.017
FBgn0004875	9840.177	6493.813	13186.541	2.031	1.022	0.000	0.000
FBgn0004867	31284.990	20643.118	41926.862	2.031	1.022	0.000	0.002
FBgn0037130	1111.171	733.145	1489.198	2.031	1.022	0.000	0.000

FBgn0029157	2600.608	1715.484	3485.733	2.032	1.023	0.000	0.000
FBgn0030886	260.251	171.600	348.902	2.033	1.024	0.000	0.003
FBgn0028480	15441.176	10179.806	20702.546	2.034	1.024	0.000	0.000
FBgn0250874	1771.551	1167.834	2375.268	2.034	1.024	0.000	0.003
FBgn0039459	166.511	109.694	223.327	2.036	1.026	0.001	0.005
FBgn0039698	1074.768	708.024	1441.511	2.036	1.026	0.000	0.002
FBgn0040877	393.334	259.067	527.602	2.037	1.026	0.000	0.001
FBgn0051626	68.257	44.952	91.562	2.037	1.026	0.008	0.028
FBgn0000100	34938.226	23008.132	46868.321	2.037	1.026	0.000	0.002
FBgn0035241	82.187	54.123	110.252	2.037	1.026	0.003	0.012
FBgn0086655	2413.053	1587.618	3238.487	2.040	1.028	0.000	0.001
FBgn0263705	1309.790	861.673	1757.906	2.040	1.029	0.000	0.000
FBgn0030272	20426.266	13437.389	27415.142	2.040	1.029	0.002	0.009
FBgn0031068	754.874	496.556	1013.192	2.040	1.029	0.000	0.002
FBgn0017561	1352.285	889.008	1815.562	2.042	1.030	0.001	0.003
FBgn0031061	1165.987	766.442	1565.532	2.043	1.030	0.000	0.000
FBgn0039697	7182.213	4720.784	9643.643	2.043	1.031	0.012	0.039
FBgn0033349	1032.587	678.687	1386.488	2.043	1.031	0.000	0.001
FBgn0031023	4959.716	3259.647	6659.784	2.043	1.031	0.000	0.000
FBgn0031697	749.411	492.413	1006.409	2.044	1.031	0.000	0.000
FBgn0028400	5146.381	3381.239	6911.522	2.044	1.031	0.000	0.000
FBgn0043900	1480.862	972.707	1989.016	2.045	1.032	0.000	0.000
FBgn0029912	1642.218	1078.449	2205.988	2.046	1.032	0.000	0.000
FBgn0020304	5610.664	3684.177	7537.151	2.046	1.033	0.000	0.000
FBgn0010383	1233.862	810.118	1657.607	2.046	1.033	0.000	0.001
FBgn0031118	5378.844	3529.927	7227.761	2.048	1.034	0.000	0.000
FBgn0031299	2518.515	1652.087	3384.943	2.049	1.035	0.000	0.000
FBgn0011211	45398.264	29773.800	61022.728	2.050	1.035	0.000	0.000
FBgn0037856	510.896	335.031	686.760	2.050	1.036	0.000	0.001
FBgn0264090	371.278	243.385	499.170	2.051	1.036	0.001	0.006
FBgn0036202	1595.181	1045.458	2144.903	2.052	1.037	0.000	0.002
FBgn0031099	1970.087	1290.863	2649.310	2.052	1.037	0.000	0.000
FBgn0260866	1430.333	936.974	1923.692	2.053	1.038	0.000	0.000
FBgn0038590	278.886	182.674	375.098	2.053	1.038	0.000	0.002



FBgn0030874	188.061	123.176	252.947	2.054	1.038	0.001	0.004
FBgn0036237	1270.046	831.788	1708.304	2.054	1.038	0.001	0.007
FBgn0031959	110.624	72.432	148.815	2.055	1.039	0.001	0.005
FBgn0259099	374.143	244.748	503.537	2.057	1.041	0.000	0.001
FBgn0000210	1769.856	1157.681	2382.031	2.058	1.041	0.000	0.001
FBgn0004397	4785.900	3130.337	6441.462	2.058	1.041	0.001	0.004
FBgn0026562	22325.865	14600.406	30051.323	2.058	1.041	0.000	0.000
FBgn0023521	242.534	158.607	326.461	2.058	1.041	0.000	0.002
FBgn0032538	251.166	164.209	338.124	2.059	1.042	0.005	0.020
FBgn0039580	1414.840	924.934	1904.745	2.059	1.042	0.000	0.000
FBgn0036314	837.251	547.281	1127.222	2.060	1.042	0.000	0.002
FBgn0033235	1423.112	929.602	1916.623	2.062	1.044	0.000	0.000
FBgn0029890	67.195	43.858	90.533	2.064	1.046	0.011	0.037
FBgn0028327	3166.486	2066.067	4266.905	2.065	1.046	0.000	0.000
FBgn0033210	179.206	116.904	241.508	2.066	1.047	0.001	0.003
FBgn0030991	1587.469	1035.491	2139.448	2.066	1.047	0.000	0.000
FBgn0029131	1115.416	727.286	1503.546	2.067	1.048	0.000	0.000
FBgn0000442	50.883	33.175	68.590	2.068	1.048	0.014	0.047
FBgn0259244	4213.221	2746.460	5679.981	2.068	1.048	0.000	0.000
FBgn0015019	2131.494	1389.319	2873.668	2.068	1.049	0.000	0.000
FBgn0031055	618.818	403.216	834.419	2.069	1.049	0.000	0.000
FBgn0030403	1768.851	1152.292	2385.409	2.070	1.050	0.000	0.000
FBgn0015527	946.467	616.282	1276.652	2.072	1.051	0.000	0.000
FBgn0033480	1041.571	678.043	1405.099	2.072	1.051	0.002	0.008
FBgn0031064	2319.602	1509.801	3129.404	2.073	1.052	0.000	0.000
FBgn0000052	3091.071	2011.861	4170.280	2.073	1.052	0.000	0.000
FBgn0013680	19976.171	12998.813	26953.528	2.074	1.052	0.000	0.003
FBgn0004832	388.996	253.048	524.943	2.074	1.053	0.000	0.001
FBgn0027785	7982.671	5191.145	10774.197	2.075	1.053	0.008	0.031
FBgn0027791	524.697	341.188	708.207	2.076	1.054	0.000	0.000
FBgn0243512	1747.090	1136.010	2358.171	2.076	1.054	0.000	0.000
FBgn0027087	2202.103	1431.494	2972.712	2.077	1.054	0.000	0.000
FBgn0030802	1451.074	943.217	1958.931	2.077	1.054	0.000	0.002
FBgn0035033	612.550	397.938	827.163	2.079	1.056	0.000	0.000

FBgn0030954	462.890	300.654	625.127	2.079	1.056	0.000	0.001
FBgn0031702	2526.303	1640.029	3412.577	2.081	1.057	0.000	0.000
FBgn0053558	7741.537	5025.318	10457.757	2.081	1.057	0.000	0.000
FBgn0263772	1148.928	745.692	1552.164	2.082	1.058	0.000	0.000
FBgn0030921	1098.707	712.986	1484.428	2.082	1.058	0.006	0.022
FBgn0053052	319.056	206.964	431.148	2.083	1.059	0.000	0.001
FBgn0030648	3302.898	2142.504	4463.292	2.083	1.059	0.000	0.000
FBgn0035988	79.272	51.421	107.122	2.083	1.059	0.012	0.040
FBgn0026239	1593.818	1033.802	2153.833	2.083	1.059	0.000	0.000
FBgn0261561	245.499	159.187	331.810	2.084	1.060	0.000	0.001
FBgn0262160	13982.585	9063.753	18901.416	2.085	1.060	0.000	0.000
FBgn0003507	4620.138	2994.655	6245.621	2.086	1.060	0.000	0.000
FBgn0034885	8408.836	5450.364	11367.308	2.086	1.060	0.000	0.002
FBgn0003517	37559.047	24331.634	50786.460	2.087	1.062	0.004	0.016
FBgn0262483	7812.594	5059.375	10565.812	2.088	1.062	0.000	0.000
FBgn0011787	2028.415	1313.239	2743.591	2.089	1.063	0.003	0.015
FBgn0034069	1053.238	681.650	1424.827	2.090	1.064	0.000	0.000
FBgn0005677	1308.113	846.568	1769.658	2.090	1.064	0.000	0.000
FBgn0037876	373.368	241.305	505.432	2.095	1.067	0.000	0.001
FBgn0037024	1756.271	1133.741	2378.802	2.098	1.069	0.000	0.000
FBgn0040346	822.109	530.490	1113.727	2.099	1.070	0.000	0.000
FBgn0086355	9852.750	6355.428	13350.072	2.101	1.071	0.000	0.000
FBgn0033033	3709.038	2392.451	5025.626	2.101	1.071	0.001	0.004
FBgn0043854	103.653	66.767	140.538	2.105	1.074	0.003	0.012
FBgn0039664	284.021	182.897	385.144	2.106	1.074	0.000	0.001
FBgn0029905	1182.844	761.336	1604.352	2.107	1.075	0.001	0.005
FBgn0003499	881.591	567.186	1195.996	2.109	1.076	0.004	0.016
FBgn0030230	1648.131	1060.128	2236.134	2.109	1.077	0.000	0.002
FBgn0020299	1561.206	1003.552	2118.860	2.111	1.078	0.000	0.000
FBgn0032871	201.901	129.775	274.027	2.112	1.078	0.000	0.002
FBgn0030894	468.833	301.312	636.354	2.112	1.079	0.000	0.000
FBgn0020257	1338.419	859.897	1816.941	2.113	1.079	0.000	0.000
FBgn0025625	4557.520	2926.448	6188.591	2.115	1.080	0.000	0.000
FBgn0263355	1282.798	823.045	1742.551	2.117	1.082	0.000	0.000

FBgn0003366	3174.569	2036.316	4312.822	2.118	1.083	0.000	0.000
FBgn0030945	530.054	339.963	720.144	2.118	1.083	0.000	0.000
FBgn0003964	2319.979	1487.710	3152.249	2.119	1.083	0.000	0.001
FBgn0022702	468.148	300.010	636.285	2.121	1.085	0.000	0.000
FBgn0001083	303.689	194.611	412.768	2.121	1.085	0.000	0.001
FBgn0029763	1738.091	1112.979	2363.204	2.123	1.086	0.000	0.000
FBgn0011570	668.246	427.901	908.590	2.123	1.086	0.000	0.000
FBgn0052675	2691.313	1723.207	3659.420	2.124	1.087	0.000	0.000
FBgn0032726	603.503	386.392	820.614	2.124	1.087	0.001	0.003
FBgn0053513	2195.071	1405.045	2985.097	2.125	1.087	0.000	0.000
FBgn0030974	3207.957	2052.843	4363.071	2.125	1.088	0.000	0.000
FBgn0001098	10727.026	6863.965	14590.088	2.126	1.088	0.000	0.002
FBgn0019830	3810.319	2435.636	5185.001	2.129	1.090	0.001	0.003
FBgn0025640	1893.827	1210.439	2577.215	2.129	1.090	0.002	0.009
FBgn0029857	913.348	583.575	1243.120	2.130	1.091	0.000	0.000
FBgn0034497	3017.235	1927.557	4106.913	2.131	1.091	0.000	0.002
FBgn0036725	953.118	608.699	1297.538	2.132	1.092	0.000	0.000
FBgn0030077	191.681	122.372	260.991	2.133	1.093	0.000	0.002
FBgn0085249	439.648	280.513	598.783	2.135	1.094	0.007	0.025
FBgn0010575	9665.736	6161.869	13169.604	2.137	1.096	0.000	0.000
FBgn0037672	109.799	69.987	149.611	2.138	1.096	0.003	0.012
FBgn0020379	786.390	501.078	1071.702	2.139	1.097	0.000	0.000
FBgn0034010	2327.549	1482.728	3172.371	2.140	1.097	0.000	0.001
FBgn0032814	636.792	405.215	868.369	2.143	1.100	0.000	0.000
FBgn0263258	1971.296	1254.147	2688.444	2.144	1.100	0.001	0.003
FBgn0000097	2148.405	1366.800	2930.009	2.144	1.100	0.000	0.002
FBgn0050431	1416.881	901.250	1932.513	2.144	1.100	0.011	0.037
FBgn0010397	1466.601	932.308	2000.893	2.146	1.102	0.000	0.000
FBgn0038530	53.760	34.173	73.346	2.146	1.102	0.003	0.014
FBgn0052676	3547.805	2254.784	4840.825	2.147	1.102	0.000	0.000
FBgn0033266	715.254	454.556	975.952	2.147	1.102	0.000	0.000
FBgn0000568	8281.215	5261.961	11300.469	2.148	1.103	0.000	0.000
FBgn0051313	2669.685	1696.317	3643.053	2.148	1.103	0.001	0.004
FBgn0038107	3086.942	1961.388	4212.496	2.148	1.103	0.007	0.028

FBgn0036369	1088.613	691.397	1485.828	2.149	1.104	0.000	0.000
FBgn0052506	1304.733	828.323	1781.144	2.150	1.105	0.000	0.000
FBgn0024184	107.929	68.505	147.353	2.151	1.105	0.002	0.008
FBgn0030581	6493.172	4120.095	8866.249	2.152	1.106	0.000	0.000
FBgn0030766	406.911	258.195	555.627	2.152	1.106	0.003	0.012
FBgn0046214	2432.593	1543.266	3321.920	2.153	1.106	0.000	0.000
FBgn0000286	2746.264	1742.000	3750.528	2.153	1.106	0.000	0.000
FBgn0016076	2316.592	1469.263	3163.921	2.153	1.107	0.003	0.013
FBgn0003888	336.195	213.176	459.214	2.154	1.107	0.005	0.019
FBgn0013764	1779.841	1128.232	2431.451	2.155	1.108	0.000	0.000
FBgn0033122	953.979	604.661	1303.298	2.155	1.108	0.001	0.005
FBgn0030798	1143.239	724.580	1561.897	2.156	1.108	0.000	0.001
FBgn0036223	257.087	162.850	351.324	2.157	1.109	0.000	0.001
FBgn0259166	2273.511	1439.450	3107.573	2.159	1.110	0.000	0.000
FBgn0030056	882.311	558.321	1206.302	2.161	1.111	0.000	0.000
FBgn0035266	1622.900	1026.797	2219.003	2.161	1.112	0.000	0.000
FBgn0021967	8137.199	5142.176	11132.222	2.165	1.114	0.000	0.000
FBgn0013469	204.432	129.153	279.712	2.166	1.115	0.000	0.002
FBgn0260747	15614.720	9864.508	21364.932	2.166	1.115	0.001	0.005
FBgn0001142	6458.869	4080.179	8837.559	2.166	1.115	0.000	0.000
FBgn0032781	626.181	395.478	856.883	2.167	1.115	0.000	0.000
FBgn0037351	57208.344	36130.646	78286.043	2.167	1.116	0.001	0.005
FBgn0052479	3415.008	2156.033	4673.984	2.168	1.116	0.000	0.001
FBgn0263873	3824.725	2414.471	5234.979	2.168	1.116	0.000	0.000
FBgn0035294	742.959	468.964	1016.953	2.169	1.117	0.000	0.000
FBgn0000221	211.171	133.285	289.056	2.169	1.117	0.000	0.001
FBgn0032330	694.535	438.357	950.713	2.169	1.117	0.000	0.000
FBgn0025525	1099.551	693.690	1505.412	2.170	1.118	0.000	0.000
FBgn0010409	29513.603	18618.819	40408.386	2.170	1.118	0.003	0.014
FBgn0051057	3553.636	2241.221	4866.051	2.171	1.118	0.000	0.000
FBgn0000578	949.851	598.698	1301.005	2.173	1.120	0.000	0.000
FBgn0033351	760.916	479.531	1042.301	2.174	1.120	0.001	0.006
FBgn0025814	3400.888	2143.005	4658.772	2.174	1.120	0.008	0.029
FBgn0031805	2071.009	1304.381	2837.637	2.175	1.121	0.000	0.000

FBgn0261458	5099.831	3211.989	6987.673	2.175	1.121	0.000	0.001
FBgn0010774	2365.218	1489.507	3240.928	2.176	1.122	0.000	0.000
FBgn0003117	154.877	97.534	212.220	2.176	1.122	0.000	0.001
FBgn0041092	5623.456	3538.950	7707.962	2.178	1.123	0.000	0.000
FBgn0000577	123.962	77.997	169.927	2.179	1.123	0.001	0.004
FBgn0004957	359.509	226.193	492.826	2.179	1.124	0.001	0.003
FBgn0032283	765.583	481.653	1049.513	2.179	1.124	0.002	0.008
FBgn0053144	4377.526	2751.258	6003.794	2.182	1.126	0.000	0.000
FBgn0031003	282.581	177.593	387.569	2.182	1.126	0.000	0.001
FBgn0039406	5763.690	3622.276	7905.104	2.182	1.126	0.000	0.001
FBgn0014028	6179.424	3882.981	8475.866	2.183	1.126	0.001	0.006
FBgn0040941	70.382	44.211	96.552	2.184	1.127	0.006	0.023
FBgn0039654	466.664	293.046	640.283	2.185	1.128	0.000	0.000
FBgn0003175	4558.507	2862.215	6254.800	2.185	1.128	0.000	0.000
FBgn0003339	270.210	169.643	370.778	2.186	1.128	0.000	0.001
FBgn0003890	2756.686	1730.519	3782.854	2.186	1.128	0.000	0.000
FBgn0010825	7542.473	4732.739	10352.207	2.187	1.129	0.000	0.000
FBgn0039674	2711.940	1701.381	3722.499	2.188	1.130	0.000	0.000
FBgn0085478	3992.104	2504.347	5479.861	2.188	1.130	0.003	0.012
FBgn0259241	708.237	443.892	972.583	2.191	1.132	0.000	0.000
FBgn0038606	1011.699	633.998	1389.400	2.191	1.132	0.000	0.000
FBgn0031060	362.648	227.120	498.175	2.193	1.133	0.001	0.007
FBgn0030239	1946.312	1218.167	2674.458	2.195	1.135	0.001	0.007
FBgn0040208	988.596	618.660	1358.532	2.196	1.135	0.000	0.000
FBgn0038868	1075.512	672.753	1478.270	2.197	1.136	0.000	0.000
FBgn0036958	3271.006	2045.824	4496.188	2.198	1.136	0.000	0.000
FBgn0033093	522.852	326.902	718.803	2.199	1.137	0.000	0.000
FBgn0032295	889.690	556.162	1223.217	2.199	1.137	0.000	0.000
FBgn0020764	3444.825	2152.725	4736.924	2.200	1.138	0.000	0.000
FBgn0259729	48.322	30.183	66.462	2.202	1.139	0.015	0.047
FBgn0014857	5216.396	3257.521	7175.270	2.203	1.139	0.000	0.000
FBgn0030289	1252.288	781.979	1722.596	2.203	1.139	0.000	0.000
FBgn0030017	700.571	437.426	963.715	2.203	1.140	0.000	0.000
FBgn0031002	1043.154	651.262	1435.046	2.203	1.140	0.000	0.000

FBgn0010786	1611.372	1005.864	2216.881	2.204	1.140	0.000	0.000
FBgn0261610	1027.647	641.208	1414.086	2.205	1.141	0.000	0.000
FBgn0030000	503.107	313.830	692.385	2.206	1.142	0.000	0.000
FBgn0003044	1390.458	867.300	1913.617	2.206	1.142	0.000	0.000
FBgn0011758	269.669	168.191	371.147	2.207	1.142	0.001	0.007
FBgn0036825	31286.450	19512.584	43060.315	2.207	1.142	0.001	0.003
FBgn0019624	14795.304	9224.593	20366.016	2.208	1.143	0.000	0.000
FBgn0037328	19817.644	12353.783	27281.504	2.208	1.143	0.006	0.024
FBgn0033446	12465.464	7765.846	17165.082	2.210	1.144	0.001	0.003
FBgn0003714	864.800	538.709	1190.892	2.211	1.144	0.000	0.000
FBgn0000529	192.559	119.934	265.184	2.211	1.145	0.000	0.001
FBgn0027560	34420.355	21429.462	47411.247	2.212	1.146	0.000	0.000
FBgn0034758	433.814	269.901	597.727	2.215	1.147	0.000	0.000
FBgn0027788	37.037	23.040	51.035	2.215	1.147	0.014	0.045
FBgn0033155	981.810	610.646	1352.974	2.216	1.148	0.000	0.000
FBgn0052529	6897.566	4289.465	9505.666	2.216	1.148	0.000	0.000
FBgn0261569	1316.630	818.756	1814.503	2.216	1.148	0.000	0.000
FBgn0033919	4454.475	2768.182	6140.768	2.218	1.149	0.000	0.000
FBgn0023519	824.451	512.237	1136.664	2.219	1.150	0.000	0.000
FBgn0037021	1760.451	1093.244	2427.658	2.221	1.151	0.000	0.000
FBgn0002576	834.208	518.036	1150.379	2.221	1.151	0.000	0.001
FBgn0011272	34431.978	21379.514	47484.442	2.221	1.151	0.002	0.009
FBgn0041188	6100.686	3787.954	8413.417	2.221	1.151	0.000	0.001
FBgn0263934	614.000	381.219	846.780	2.221	1.151	0.000	0.000
FBgn0000504	857.277	531.923	1182.631	2.223	1.153	0.001	0.007
FBgn0051058	101.964	63.261	140.668	2.224	1.153	0.001	0.005
FBgn0038422	795.070	492.893	1097.247	2.226	1.155	0.000	0.000
FBgn0013548	384.584	238.405	530.764	2.226	1.155	0.000	0.000
FBgn0259236	365.552	226.602	504.501	2.226	1.155	0.000	0.000
FBgn0051849	242.945	150.530	335.361	2.228	1.156	0.001	0.005
FBgn0052521	21914.299	13571.933	30256.664	2.229	1.157	0.000	0.000
FBgn0039492	2824.858	1747.446	3902.271	2.233	1.159	0.000	0.000
FBgn0002174	1379.368	853.209	1905.528	2.233	1.159	0.000	0.000
FBgn0030787	388.271	239.760	536.783	2.239	1.163	0.000	0.000

FBgn0030995	109.722	67.735	151.708	2.240	1.163	0.001	0.003
FBgn0032281	274.032	169.006	379.058	2.243	1.165	0.001	0.005
FBgn0031855	415.639	256.163	575.116	2.245	1.167	0.000	0.000
FBgn0031021	3161.327	1947.745	4374.909	2.246	1.167	0.001	0.006
FBgn0031261	2346.871	1445.930	3247.811	2.246	1.167	0.000	0.000
FBgn0030012	195.539	120.410	270.667	2.248	1.169	0.000	0.001
FBgn0039186	2042.698	1257.820	2827.575	2.248	1.169	0.000	0.000
FBgn0087008	4482.251	2757.368	6207.134	2.251	1.171	0.000	0.000
FBgn0033101	1593.064	979.922	2206.206	2.251	1.171	0.000	0.000
FBgn0030786	3307.168	2033.373	4580.964	2.253	1.172	0.003	0.014
FBgn0052683	686.613	421.778	951.449	2.256	1.174	0.000	0.000
FBgn0005391	359831.705	220991.385	498672.025	2.257	1.174	0.002	0.011
FBgn0085391	1550.939	952.138	2149.740	2.258	1.175	0.000	0.000
FBgn0020279	12138.498	7442.738	16834.257	2.262	1.177	0.000	0.000
FBgn0037222	56.165	34.430	77.900	2.263	1.178	0.003	0.013
FBgn0037715	3583.115	2195.486	4970.745	2.264	1.179	0.001	0.003
FBgn0034720	5969.098	3656.644	8281.552	2.265	1.179	0.000	0.000
FBgn0035251	2254.786	1380.818	3128.754	2.266	1.180	0.000	0.000
FBgn0261592	47715.274	29219.535	66211.014	2.266	1.180	0.000	0.000
FBgn0010877	1941.556	1188.805	2694.308	2.266	1.180	0.000	0.000
FBgn0030605	3109.492	1903.568	4315.416	2.267	1.181	0.001	0.006
FBgn0050410	1967.767	1204.517	2731.017	2.267	1.181	0.000	0.000
FBgn0031811	229.255	140.264	318.246	2.269	1.182	0.000	0.001
FBgn0261963	211.548	129.422	293.674	2.269	1.182	0.000	0.000
FBgn0041210	4139.116	2531.523	5746.709	2.270	1.183	0.000	0.000
FBgn0035534	915.080	559.490	1270.670	2.271	1.183	0.000	0.000
FBgn0001169	1502.356	917.921	2086.791	2.273	1.185	0.000	0.001
FBgn0035035	372.893	227.756	518.030	2.274	1.186	0.000	0.000
FBgn0000017	5893.732	3596.539	8190.925	2.277	1.187	0.000	0.000
FBgn0030034	1152.413	702.608	1602.217	2.280	1.189	0.000	0.000
FBgn0035625	3617.945	2205.504	5030.387	2.281	1.190	0.000	0.002
FBgn0031602	1405.533	856.079	1954.987	2.284	1.191	0.000	0.000
FBgn0024556	2871.328	1748.440	3994.216	2.284	1.192	0.000	0.000
FBgn0027794	1092.653	664.680	1520.626	2.288	1.194	0.000	0.000

FBgn0004606	1612.653	979.902	2245.405	2.291	1.196	0.000	0.000
FBgn0003512	664.021	403.157	924.886	2.294	1.198	0.000	0.000
FBgn0260971	760.794	461.788	1059.799	2.295	1.198	0.000	0.000
FBgn0031450	3064.502	1859.828	4269.175	2.295	1.199	0.000	0.000
FBgn0026428	10084.912	6119.590	14050.233	2.296	1.199	0.000	0.000
FBgn0030877	338.491	205.301	471.682	2.298	1.200	0.000	0.000
FBgn0025382	551.495	334.477	768.514	2.298	1.200	0.000	0.000
FBgn0040609	2609.373	1582.557	3636.190	2.298	1.200	0.010	0.036
FBgn0037135	10422.470	6320.664	14524.275	2.298	1.200	0.000	0.000
FBgn0020545	3405.617	2062.112	4749.121	2.303	1.204	0.000	0.000
FBgn0013725	1107.128	670.344	1543.912	2.303	1.204	0.000	0.000
FBgn0031377	1802.759	1091.215	2514.303	2.304	1.204	0.000	0.000
FBgn0261710	11544.370	6977.091	16111.648	2.309	1.207	0.000	0.000
FBgn0017566	11046.608	6676.231	15416.986	2.309	1.207	0.000	0.000
FBgn0003330	664.748	401.221	928.275	2.314	1.210	0.000	0.000
FBgn0030968	1851.642	1117.185	2586.099	2.315	1.211	0.010	0.035
FBgn0263997	2028.520	1222.107	2834.933	2.320	1.214	0.000	0.000
FBgn0020389	1761.444	1059.991	2462.898	2.324	1.216	0.000	0.000
FBgn0003053	1208.956	726.504	1691.408	2.328	1.219	0.000	0.001
FBgn0004655	2692.944	1618.155	3767.734	2.328	1.219	0.000	0.000
FBgn0040382	29197.907	17533.352	40862.461	2.331	1.221	0.000	0.000
FBgn0028862	1530.426	918.248	2142.603	2.333	1.222	0.000	0.000
FBgn0025833	1728.779	1036.626	2420.932	2.335	1.224	0.000	0.000
FBgn0261572	444.770	266.656	622.885	2.336	1.224	0.000	0.000
FBgn0032694	1198.674	718.591	1678.758	2.336	1.224	0.000	0.000
FBgn0030243	2328.919	1393.563	3264.275	2.342	1.228	0.000	0.000
FBgn0039451	2217.204	1326.386	3108.022	2.343	1.228	0.000	0.000
FBgn0034650	499.217	298.517	699.917	2.345	1.229	0.001	0.003
FBgn0015919	372.071	222.478	521.665	2.345	1.229	0.000	0.000
FBgn0031418	2720.139	1626.303	3813.975	2.345	1.230	0.000	0.000
FBgn0250870	161.163	96.343	225.983	2.346	1.230	0.000	0.001
FBgn0015381	44.311	26.483	62.139	2.346	1.230	0.010	0.035
FBgn0031053	281.211	168.068	394.353	2.346	1.230	0.000	0.000
FBgn0030482	4440.584	2651.471	6229.697	2.350	1.232	0.000	0.000



FBgn0033367	7036.706	4198.969	9874.443	2.352	1.234	0.002	0.008
FBgn0243516	2696.949	1609.236	3784.662	2.352	1.234	0.000	0.000
FBgn0003887	13396.420	7992.102	18800.737	2.352	1.234	0.000	0.001
FBgn0028991	2916.438	1739.783	4093.093	2.353	1.234	0.000	0.000
FBgn0024998	423.665	252.724	594.607	2.353	1.234	0.000	0.000
FBgn0036919	1661.256	990.771	2331.741	2.353	1.235	0.000	0.000
FBgn0025634	680.126	405.215	955.036	2.357	1.237	0.000	0.000
FBgn0011746	707.299	421.168	993.430	2.359	1.238	0.000	0.000
FBgn0051632	240.131	142.899	337.362	2.361	1.239	0.002	0.009
FBgn0003279	45518.834	27078.364	63959.304	2.362	1.240	0.001	0.003
FBgn0034911	1376.983	817.610	1936.355	2.368	1.244	0.000	0.000
FBgn0261602	34514.789	20489.676	48539.901	2.369	1.244	0.000	0.000
FBgn0033566	712.578	422.985	1002.171	2.369	1.244	0.000	0.000
FBgn0033987	3091.234	1834.517	4347.951	2.370	1.245	0.000	0.000
FBgn0003062	2390.497	1416.518	3364.475	2.375	1.248	0.000	0.000
FBgn0261811	1742.857	1032.104	2453.610	2.377	1.249	0.001	0.005
FBgn0029791	1397.369	827.311	1967.428	2.378	1.250	0.000	0.002
FBgn0001332	1210.103	715.509	1704.696	2.382	1.252	0.000	0.000
FBgn0031093	913.582	540.127	1287.037	2.383	1.253	0.000	0.000
FBgn0027497	1224.749	723.880	1725.618	2.384	1.253	0.000	0.000
FBgn0038267	99.630	58.854	140.405	2.386	1.254	0.000	0.001
FBgn0000625	139.783	82.504	197.061	2.388	1.256	0.000	0.001
FBgn0263072	5879.259	3469.355	8289.163	2.389	1.257	0.000	0.000
FBgn0051144	92.717	54.603	130.830	2.396	1.261	0.002	0.011
FBgn0005771	1706.644	1003.850	2409.439	2.400	1.263	0.000	0.000
FBgn0040398	22556.490	13262.676	31850.304	2.401	1.264	0.001	0.003
FBgn0034817	432.121	253.923	610.319	2.404	1.265	0.000	0.000
FBgn0003189	720.164	423.115	1017.213	2.404	1.265	0.000	0.000
FBgn0001320	480.984	282.263	679.705	2.408	1.268	0.001	0.005
FBgn0037329	1134.013	665.231	1602.794	2.409	1.269	0.000	0.000
FBgn0039538	105.100	61.653	148.547	2.409	1.269	0.004	0.015
FBgn0003651	3668.473	2149.981	5186.965	2.413	1.271	0.000	0.000
FBgn0032656	1254.008	734.816	1773.201	2.413	1.271	0.000	0.000
FBgn0037448	1284.026	751.825	1816.226	2.416	1.272	0.000	0.000

FBgn0028906	492.575	288.024	697.126	2.420	1.275	0.000	0.001
FBgn0033879	10001.095	5846.434	14155.756	2.421	1.276	0.000	0.001
FBgn0050418	473.439	276.508	670.370	2.424	1.278	0.000	0.000
FBgn0001168	1562.029	912.196	2211.862	2.425	1.278	0.000	0.000
FBgn0264443	424.380	247.744	601.015	2.426	1.279	0.000	0.000
FBgn0020910	36417.886	21257.490	51578.282	2.426	1.279	0.000	0.000
FBgn0261801	70.663	41.219	100.108	2.429	1.280	0.001	0.004
FBgn0005638	38.230	22.299	54.161	2.429	1.280	0.005	0.018
FBgn0031312	492.876	287.191	698.562	2.432	1.282	0.000	0.000
FBgn0005636	437.367	254.831	619.903	2.433	1.283	0.000	0.000
FBgn0001297	5723.827	3334.339	8113.316	2.433	1.283	0.000	0.000
FBgn0039635	6048.900	3522.864	8574.936	2.434	1.283	0.000	0.000
FBgn0033321	687.311	400.176	974.446	2.435	1.284	0.000	0.001
FBgn0035993	904.769	526.388	1283.149	2.438	1.285	0.000	0.000
FBgn0010222	7241.166	4210.250	10272.081	2.440	1.287	0.000	0.002
FBgn0002941	240.465	139.747	341.184	2.441	1.288	0.000	0.000
FBgn0026409	18194.231	10570.908	25817.553	2.442	1.288	0.000	0.000
FBgn0002031	2673.986	1551.355	3796.617	2.447	1.291	0.000	0.000
FBgn0038347	2579.618	1493.732	3665.504	2.454	1.295	0.000	0.000
FBgn0028420	4333.845	2505.811	6161.879	2.459	1.298	0.000	0.000
FBgn0011701	2089.995	1208.277	2971.714	2.459	1.298	0.000	0.000
FBgn0011655	1658.639	958.518	2358.759	2.461	1.299	0.000	0.000
FBgn0036373	1027.706	593.364	1462.049	2.464	1.301	0.000	0.000
FBgn0030060	1732.933	1000.005	2465.860	2.466	1.302	0.000	0.000
FBgn0041184	1106.892	638.219	1575.565	2.469	1.304	0.000	0.000
FBgn0051191	632.752	364.771	900.734	2.469	1.304	0.000	0.000
FBgn0051855	527.899	304.271	751.526	2.470	1.304	0.000	0.000
FBgn0015288	7188.308	4138.588	10238.028	2.474	1.307	0.001	0.004
FBgn0000042	25972.989	14950.018	36995.961	2.475	1.307	0.000	0.002
FBgn0002945	1043.181	600.444	1485.917	2.475	1.307	0.000	0.001
FBgn0027334	1187.605	682.480	1692.730	2.480	1.310	0.000	0.000
FBgn0000180	297.497	170.860	424.134	2.482	1.312	0.000	0.000
FBgn0250814	13107.325	7520.966	18693.684	2.486	1.314	0.000	0.000
FBgn0038948	810.701	465.078	1156.323	2.486	1.314	0.000	0.000

FBgn0029824	1098.040	629.767	1566.314	2.487	1.314	0.000	0.000
FBgn0085404	22.444	12.871	32.017	2.487	1.315	0.015	0.049
FBgn0037906	827.197	473.732	1180.662	2.492	1.317	0.000	0.000
FBgn0033140	50.241	28.768	71.714	2.493	1.318	0.002	0.010
FBgn0053098	33.463	19.147	47.779	2.495	1.319	0.005	0.019
FBgn0032285	39488.123	22575.049	56401.196	2.498	1.321	0.000	0.002
FBgn0014455	2169.092	1237.763	3100.420	2.505	1.325	0.000	0.000
FBgn0030292	5082.113	2898.549	7265.676	2.507	1.326	0.004	0.016
FBgn0016075	6991.453	3977.257	10005.649	2.516	1.331	0.000	0.000
FBgn0002522	116.497	66.190	166.804	2.520	1.333	0.000	0.000
FBgn0086680	2949.898	1675.054	4224.741	2.522	1.335	0.000	0.000
FBgn0037171	277.570	157.408	397.733	2.527	1.337	0.004	0.015
FBgn0029799	899.270	509.669	1288.871	2.529	1.338	0.000	0.000
FBgn0000053	2895.916	1636.111	4155.721	2.540	1.345	0.000	0.000
FBgn0030093	1093.563	617.216	1569.909	2.544	1.347	0.000	0.000
FBgn0262317	31.276	17.635	44.917	2.547	1.349	0.010	0.035
FBgn0040234	1584.719	892.310	2277.127	2.552	1.352	0.000	0.000
FBgn0015904	194.691	109.598	279.784	2.553	1.352	0.000	0.000
FBgn0015766	37602.980	21155.937	54050.022	2.555	1.353	0.000	0.000
FBgn0086358	3057.538	1719.575	4395.501	2.556	1.354	0.000	0.000
FBgn0035267	1695.356	952.902	2437.811	2.558	1.355	0.000	0.000
FBgn0259938	2019.113	1134.034	2904.193	2.561	1.357	0.000	0.000
FBgn0029176	29380.502	16448.903	42312.102	2.572	1.363	0.000	0.000
FBgn0000299	10531.864	5893.115	15170.613	2.574	1.364	0.000	0.000
FBgn0045862	2393.962	1338.252	3449.672	2.578	1.366	0.000	0.000
FBgn0004618	1953.643	1091.409	2815.877	2.580	1.367	0.000	0.000
FBgn0003090	726.320	405.442	1047.199	2.583	1.369	0.000	0.000
FBgn0029823	4737.680	2641.816	6833.543	2.587	1.371	0.000	0.000
FBgn0263239	256.720	143.097	370.342	2.588	1.372	0.000	0.000
FBgn0032803	386.851	215.592	558.110	2.589	1.372	0.000	0.000
FBgn0004047	514492.548	286512.920	742472.177	2.591	1.374	0.016	0.050
FBgn0086472	99365.886	55282.210	143449.561	2.595	1.376	0.000	0.000
FBgn0032350	9122.072	5060.204	13183.939	2.605	1.382	0.000	0.000
FBgn0030073	200.976	111.336	290.616	2.610	1.384	0.000	0.000

FBgn0263512	309.546	171.415	447.677	2.612	1.385	0.000	0.000
FBgn0004197	62.151	34.400	89.901	2.613	1.386	0.001	0.004
FBgn0000411	452.953	250.666	655.240	2.614	1.386	0.000	0.000
FBgn0263392	9199.136	5090.582	13307.689	2.614	1.386	0.000	0.000
FBgn0050269	679.142	375.684	982.600	2.615	1.387	0.000	0.000
FBgn0040391	39.304	21.722	56.887	2.619	1.389	0.003	0.012
FBgn0008646	114.403	63.164	165.641	2.622	1.391	0.000	0.000
FBgn0052537	281.474	155.168	407.781	2.628	1.394	0.000	0.000
FBgn0020307	840.820	462.495	1219.146	2.636	1.398	0.010	0.035
FBgn0030160	20721.831	11394.469	30049.193	2.637	1.399	0.000	0.000
FBgn0013676	5797.335	3185.268	8409.403	2.640	1.401	0.000	0.000
FBgn0005612	1499.454	823.130	2175.779	2.643	1.402	0.000	0.001
FBgn0004854	230.877	126.716	335.038	2.644	1.403	0.000	0.000
FBgn0029639	7304.665	3996.162	10613.168	2.656	1.409	0.012	0.040
FBgn0050411	39.192	21.432	56.953	2.657	1.410	0.002	0.010
FBgn0029858	230.956	126.109	335.802	2.663	1.413	0.000	0.000
FBgn0045823	25655.239	13990.206	37320.273	2.668	1.416	0.005	0.020
FBgn0031100	151.949	82.601	221.296	2.679	1.422	0.000	0.000
FBgn0023549	1377.742	748.341	2007.143	2.682	1.423	0.000	0.000
FBgn0039184	44.631	24.231	65.031	2.684	1.424	0.007	0.027
FBgn0050127	2557.287	1386.963	3727.611	2.688	1.426	0.000	0.000
FBgn0034157	30.380	16.474	44.286	2.688	1.427	0.005	0.019
FBgn0052484	1758.607	953.237	2563.977	2.690	1.427	0.000	0.000
FBgn0037999	541.253	293.053	789.454	2.694	1.430	0.000	0.000
FBgn0041337	120.124	65.029	175.220	2.694	1.430	0.000	0.002
FBgn0030661	66.695	36.105	97.285	2.695	1.430	0.001	0.004
FBgn0042650	1937.043	1047.380	2826.707	2.699	1.432	0.000	0.000
FBgn0016120	11905.636	6437.021	17374.251	2.699	1.432	0.000	0.000
FBgn0259172	774.298	418.544	1130.051	2.700	1.433	0.000	0.000
FBgn0030391	529.151	284.872	773.431	2.715	1.441	0.000	0.000
FBgn0020912	133.737	71.948	195.527	2.718	1.442	0.000	0.000
FBgn0029864	2113.649	1133.599	3093.699	2.729	1.448	0.000	0.000
FBgn0021906	12536.729	6716.831	18356.628	2.733	1.450	0.000	0.000
FBgn0000413	2783.189	1490.444	4075.934	2.735	1.451	0.000	0.000

FBgn0020385	6801.416	3638.728	9964.105	2.738	1.453	0.000	0.000
FBgn0000157	597.785	319.562	876.008	2.741	1.455	0.000	0.000
FBgn0032812	787.883	420.707	1155.060	2.746	1.457	0.000	0.000
FBgn0011824	1293.986	690.907	1897.065	2.746	1.457	0.000	0.002
FBgn0015621	181.484	96.890	266.078	2.746	1.457	0.000	0.000
FBgn0263330	339.373	181.170	497.576	2.746	1.458	0.002	0.009
FBgn0261885	11379.057	6066.645	16691.469	2.751	1.460	0.000	0.000
FBgn0033341	1349.039	719.224	1978.853	2.751	1.460	0.000	0.000
FBgn0024366	47.029	25.035	69.023	2.757	1.463	0.000	0.002
FBgn0262599	84.800	44.922	124.678	2.775	1.473	0.000	0.000
FBgn0039805	140.631	74.331	206.930	2.784	1.477	0.012	0.042
FBgn0036541	71.041	37.549	104.532	2.784	1.477	0.000	0.001
FBgn0036584	46.834	24.711	68.957	2.791	1.481	0.001	0.005
FBgn0031473	539.324	284.396	794.252	2.793	1.482	0.000	0.000
FBgn0039678	2515.720	1323.122	3708.317	2.803	1.487	0.000	0.001
FBgn0031375	813.798	427.879	1199.716	2.804	1.487	0.000	0.002
FBgn0039827	463.172	243.303	683.040	2.807	1.489	0.000	0.000
FBgn0032293	1161.268	608.945	1713.590	2.814	1.493	0.000	0.000
FBgn0037167	927.737	484.943	1370.531	2.826	1.499	0.000	0.001
FBgn0085369	648.691	338.965	958.416	2.827	1.500	0.000	0.000
FBgn0030927	256.766	134.149	379.384	2.828	1.500	0.000	0.001
FBgn0000964	670.809	349.648	991.970	2.837	1.504	0.000	0.000
FBgn0261379	585.568	303.728	867.407	2.856	1.514	0.000	0.001
FBgn0040907	226.307	117.317	335.297	2.858	1.515	0.000	0.002
FBgn0039733	1467.274	760.357	2174.191	2.859	1.516	0.000	0.001
FBgn0027363	3764.567	1934.738	5594.396	2.892	1.532	0.000	0.000
FBgn0027343	196.347	100.813	291.880	2.895	1.534	0.000	0.000
FBgn0003300	88.585	45.276	131.894	2.913	1.543	0.000	0.000
FBgn0032191	3730.096	1904.147	5556.044	2.918	1.545	0.000	0.000
FBgn0042701	223.058	113.815	332.300	2.920	1.546	0.002	0.009
FBgn0034879	504.778	257.533	752.022	2.920	1.546	0.000	0.000
FBgn0030186	273.259	139.270	407.248	2.924	1.548	0.000	0.000
FBgn0029939	963.013	490.746	1435.281	2.925	1.548	0.000	0.000
FBgn0020617	217.280	110.565	323.994	2.930	1.551	0.000	0.000

FBgn0262559	15363.652	7810.437	22916.867	2.934	1.553	0.001	0.004
FBgn0085195	3458.232	1752.928	5163.535	2.946	1.559	0.000	0.000
FBgn0026372	35697.890	18091.278	53304.502	2.946	1.559	0.008	0.031
FBgn0020653	7498.742	3764.768	11232.715	2.984	1.577	0.000	0.000
FBgn0033850	28.688	14.352	43.023	2.998	1.584	0.002	0.008
FBgn0039031	14466.392	7182.118	21750.665	3.028	1.599	0.003	0.015
FBgn0003068	2457.964	1218.151	3697.777	3.036	1.602	0.000	0.000
FBgn0030266	4712.000	2317.447	7106.553	3.067	1.617	0.000	0.000
FBgn0037519	33.310	16.314	50.305	3.084	1.625	0.001	0.006
FBgn0034501	9000.314	4399.654	13600.975	3.091	1.628	0.000	0.000
FBgn0031107	7541.412	3685.533	11397.291	3.092	1.629	0.000	0.000
FBgn0031918	18.189	8.881	27.497	3.096	1.631	0.014	0.046
FBgn0023130	710.016	343.886	1076.146	3.129	1.646	0.000	0.000
FBgn0039686	51.421	24.841	78.001	3.140	1.651	0.000	0.000
FBgn0037310	21.719	10.489	32.948	3.141	1.651	0.010	0.034
FBgn0264005	319.282	153.712	484.851	3.154	1.657	0.000	0.000
FBgn0030737	495.594	238.569	752.619	3.155	1.658	0.000	0.000
FBgn0039683	91.613	44.021	139.205	3.162	1.661	0.001	0.003
FBgn0004654	4103.312	1970.603	6236.021	3.165	1.662	0.000	0.000
FBgn0052085	1891.591	907.350	2875.832	3.169	1.664	0.000	0.000
FBgn0052817	17.648	8.464	26.831	3.170	1.664	0.005	0.019
FBgn0034996	17.153	8.174	26.133	3.197	1.677	0.009	0.033
FBgn0034731	1154.166	549.477	1758.855	3.201	1.679	0.000	0.000
FBgn0030120	46.808	22.202	71.414	3.216	1.685	0.000	0.002
FBgn0038595	16.874	7.980	25.767	3.229	1.691	0.011	0.039
FBgn0003002	232.675	108.406	356.943	3.293	1.719	0.000	0.000
FBgn0031730	59.275	27.350	91.199	3.335	1.737	0.000	0.001
FBgn0000078	199.625	91.903	307.348	3.344	1.742	0.000	0.000
FBgn0040341	26.993	12.261	41.725	3.403	1.767	0.001	0.006
FBgn0000576	116.465	52.031	180.898	3.477	1.798	0.000	0.002
FBgn0030539	63.761	28.478	99.044	3.478	1.798	0.000	0.000
FBgn0000071	30.793	13.709	47.877	3.492	1.804	0.001	0.006
FBgn0052603	260.613	114.463	406.764	3.554	1.829	0.001	0.005
FBgn0010323	58.820	25.679	91.960	3.581	1.840	0.000	0.001

FBgn0263511	374.872	162.567	587.177	3.612	1.853	0.000	0.000
FBgn0035544	2654.299	1063.489	4245.109	3.992	1.997	0.001	0.006
FBgn0035856	32.255	12.774	51.736	4.050	2.018	0.000	0.002
FBgn0030935	90.606	35.751	145.461	4.069	2.025	0.000	0.000
FBgn0040345	17.590	6.886	28.293	4.109	2.039	0.006	0.024
FBgn0040349	58.620	22.686	94.553	4.168	2.059	0.000	0.001
FBgn0000492	553.794	212.283	895.305	4.218	2.076	0.000	0.001
FBgn0035513	22.268	8.431	36.106	4.283	2.099	0.012	0.040
FBgn0031085	24.154	9.075	39.233	4.323	2.112	0.000	0.002
FBgn0035189	1267.081	475.273	2058.890	4.332	2.115	0.000	0.000
FBgn0030187	25.132	9.171	41.093	4.481	2.164	0.000	0.002
FBgn0085196	13.730	4.087	23.373	5.719	2.516	0.004	0.018
FBgn0038646	9.528	2.799	16.258	5.808	2.538	0.014	0.046
FBgn0053542	8.179	1.995	14.363	7.199	2.848	0.009	0.031
FBgn0040359	4.173	0.998	7.349	7.367	2.881	0.006	0.024
FBgn0000357	26.398	6.082	46.714	7.681	2.941	0.000	0.000
FBgn0029907	13.649	2.993	24.305	8.122	3.022	0.000	0.003
FBgn0036607	26.011	5.244	46.778	8.919	3.157	0.000	0.000
FBgn0035552	8.883	1.641	16.125	9.824	3.296	0.005	0.021
FBgn0052793	8.522	1.351	15.693	11.614	3.538	0.003	0.013
FBgn0031001	3.600	0.450	6.749	14.985	3.905	0.015	0.048
FBgn0002652	12.951	25.902	0.000	0.000	#DIV/0!	0.000	0.000
FBgn0003015	23.522	47.044	0.000	0.000	#DIV/0!	0.000	0.000
FBgn0003114	8.801	17.602	0.000	0.000	#DIV/0!	0.001	0.003
FBgn0010097	5.937	11.874	0.000	0.000	#DIV/0!	0.003	0.012
FBgn0022981	12.677	25.355	0.000	0.000	#DIV/0!	0.000	0.000
FBgn0026169	4.489	8.978	0.000	0.000	#DIV/0!	0.008	0.030
FBgn0031254	7.239	14.479	0.000	0.000	#DIV/0!	0.000	0.002
FBgn0031677	8.624	17.248	0.000	0.000	#DIV/0!	0.001	0.003
FBgn0031878	4.859	9.718	0.000	0.000	#DIV/0!	0.006	0.023
FBgn0032493	7.239	14.479	0.000	0.000	#DIV/0!	0.000	0.000
FBgn0034372	4.634	9.268	0.000	0.000	#DIV/0!	0.006	0.022
FBgn0036330	4.135	8.271	0.000	0.000	#DIV/0!	0.010	0.034
FBgn0036332	11.053	22.106	0.000	0.000	#DIV/0!	0.000	0.000

FBgn0036437	6.677	13.355	0.000	0.000	#DIV/0!	0.006	0.022
FBgn0037205	3.862	7.723	0.000	0.000	#DIV/0!	0.014	0.046
FBgn0037781	3.249	6.499	0.000	0.000	#DIV/0!	0.014	0.046
FBgn0038144	7.932	15.864	0.000	0.000	#DIV/0!	0.000	0.001
FBgn0039007	5.760	11.520	0.000	0.000	#DIV/0!	0.001	0.006
FBgn0039104	6.162	12.324	0.000	0.000	#DIV/0!	0.002	0.009
FBgn0039972	14.609	29.219	0.000	0.000	#DIV/0!	0.000	0.000
FBgn0040045	17.084	34.169	0.000	0.000	#DIV/0!	0.001	0.003
FBgn0040251	5.244	10.489	0.000	0.000	#DIV/0!	0.005	0.019
FBgn0042179	7.658	15.316	0.000	0.000	#DIV/0!	0.000	0.000
FBgn0047199	7.353	14.706	0.000	0.000	#DIV/0!	0.002	0.009
FBgn0050105	21.093	42.186	0.000	0.000	#DIV/0!	0.000	0.000
FBgn0050354	5.406	10.813	0.000	0.000	#DIV/0!	0.003	0.013
FBgn0050356	3.990	7.980	0.000	0.000	#DIV/0!	0.014	0.045
FBgn0051105	3.073	6.145	0.000	0.000	#DIV/0!	0.005	0.021
FBgn0052845	4.344	8.687	0.000	0.000	#DIV/0!	0.003	0.014
FBgn0053306	4.038	8.077	0.000	0.000	#DIV/0!	0.011	0.038
FBgn0053965	5.148	10.295	0.000	0.000	#DIV/0!	0.011	0.037
FBgn0083012	5.632	11.263	0.000	0.000	#DIV/0!	0.005	0.020
FBgn0085317	5.632	11.263	0.000	0.000	#DIV/0!	0.003	0.015
FBgn0086039	4.939	9.878	0.000	0.000	#DIV/0!	0.009	0.032
FBgn0261267	5.760	11.520	0.000	0.000	#DIV/0!	0.002	0.009
FBgn0261587	9.992	19.984	0.000	0.000	#DIV/0!	0.005	0.021
FBgn0261952	3.845	7.690	0.000	0.000	#DIV/0!	0.010	0.034
FBgn0261998	6.082	12.164	0.000	0.000	#DIV/0!	0.001	0.004
FBgn0262004	4.440	8.881	0.000	0.000	#DIV/0!	0.007	0.026
FBgn0262607	4.811	9.622	0.000	0.000	#DIV/0!	0.003	0.013
FBgn0262840	4.070	8.140	0.000	0.000	#DIV/0!	0.007	0.027
FBgn0263399	3.797	7.593	0.000	0.000	#DIV/0!	0.013	0.043
FBgn0263476	21.929	43.858	0.000	0.000	#DIV/0!	0.000	0.000
FBgn0263521	4.264	8.527	0.000	0.000	#DIV/0!	0.008	0.029
FBgn0263621	48.039	96.079	0.000	0.000	#DIV/0!	0.000	0.000
FBgn0264475	3.668	7.336	0.000	0.000	#DIV/0!	0.007	0.024
FBgn0036879	2.893	0.000	5.786	#DIV/0!	#DIV/0!	0.007	0.027



**Table S3: Gene-Ontology (GO) analysis of genes with altered expression in 3d and 10d Spd<sup>5mM+</sup> versus age matched Spd<sup>-</sup> flies.**

**Table S3.1: GO analysis of genes with altered expression only in 3d Spd<sup>5mM+</sup> versus Spd<sup>-</sup> flies.**

<b>GO-terms</b>	<b>Fold Enrichment</b>	<b>p-value</b>	<b>Benjamini</b>
innate immune response	5.331399609	3.50E-05	0.035355936
immune response	3.693836846	9.65E-05	0.048382355
defense response	3.608430214	1.22E-04	0.041049019
response to bacterium	5.01636236	3.85E-04	0.094271783
defense response to bacterium	5.169842045	8.20E-04	0.155165507
Wnt receptor signaling pathway	4.396186105	0.004879198	0.567431861
regulation of production of molecular mediator of immune response	7.43164794	0.015640977	0.901247863
regulation of immune effector process	7.43164794	0.015640977	0.901247863
positive regulation of antimicrobial peptide biosynthetic process	7.43164794	0.015640977	0.901247863
regulation of antimicrobial peptide biosynthetic process	7.43164794	0.015640977	0.901247863
regulation of antimicrobial peptide production	7.43164794	0.015640977	0.901247863
defense response to Gram-positive bacterium	7.43164794	0.015640977	0.901247863
regulation of antimicrobial humoral response	6.369983949	0.02372915	0.954313655
regulation of response to biotic stimulus	6.369983949	0.02372915	0.954313655
regulation of humoral immune response	6.369983949	0.02372915	0.954313655
regulation of multi-organism process	6.369983949	0.02372915	0.954313655
protein targeting to membrane	6.15032933	0.026043444	0.950913062
regulation of Toll signaling pathway	11.14747191	0.028181607	0.947064168
cell redox homeostasis	4.206593174	0.029996558	0.941936599
imaginal disc-derived wing hair organization	5.404834866	0.036463061	0.958499157
hair cell differentiation	5.245869134	0.039355312	0.95820554
non-sensory hair organization	5.245869134	0.039355312	0.95820554
imaginal disc development	1.731646122	0.041506773	0.955525597
eclosion	8.917977528	0.042923817	0.950546078
epidermal cell differentiation	4.95443196	0.045477984	0.949737131
instar larval or pupal morphogenesis	1.79901564	0.046128739	0.942491243
post-embryonic morphogenesis	1.76843747	0.051617593	0.951526822
establishment of imaginal disc-derived wing hair orientation	7.868803701	0.054013101	0.950425521
protein targeting to ER	7.868803701	0.054013101	0.950425521
SRP-dependent cotranslational protein targeting to membrane	7.868803701	0.054013101	0.950425521
positive regulation of biosynthetic process	2.331497393	0.054814449	0.944845926
positive regulation of cellular biosynthetic process	2.331497393	0.054814449	0.944845926
establishment of cell polarity	7.43164794	0.059895645	0.951369975
cotranslational protein targeting to membrane	7.43164794	0.059895645	0.951369975
post-embryonic development	1.643866825	0.060164106	0.944945257

metamorphosis	1.724470793	0.060670808	0.939035823
wing disc pattern formation	3.278668209	0.064766098	0.943191016
peptide cross-linking	29.72659176	0.065429049	0.938116216
post-embryonic organ development	1.801611622	0.067893704	0.937954466
mitotic spindle organization	2.068603035	0.068301958	0.932363514
post-embryonic appendage morphogenesis	1.947156666	0.070107418	0.93065228
homeostatic process	2.188460743	0.071887059	0.928959629
calcium-dependent cell-cell adhesion	6.369983949	0.078745632	0.939826364
establishment of ommatidial polarity	3.877381534	0.082478989	0.942416385
instar larval or pupal development	1.600115585	0.083129881	0.938462664
imaginal disc-derived appendage morphogenesis	1.865685675	0.086213786	0.939709343
RNA processing	1.714995678	0.088913325	0.94012087
macromolecule catabolic process	1.77071756	0.0905227	0.938389011
epidermis development	3.71582397	0.091057417	0.934538599
appendage morphogenesis	1.842557341	0.091445747	0.930364698
syncytium formation	5.816072301	0.09219855	0.926963065
syncytium formation by plasma membrane fusion	5.816072301	0.09219855	0.926963065
myotube differentiation	5.816072301	0.09219855	0.926963065
myoblast fusion	5.816072301	0.09219855	0.926963065
imaginal disc-derived appendage development	1.8349748	0.093230725	0.924201756
mitotic spindle elongation	2.858326131	0.096002624	0.92526978
wing disc development	1.745511616	0.09722816	0.923051581
appendage development	1.812597059	0.09870833	0.921426539
spindle elongation	2.822144787	0.099457523	0.918279121
mushroom body development	3.567191011	0.099990612	0.914681253
wing disc dorsal/ventral pattern formation	3.567191011	0.099990612	0.914681253

**Table S3.2: Gene-ontology analysis of genes with altered expression only in 10d Spd<sup>5mM+</sup> versus Spd<sup>-</sup> flies.**

<b>GO-terms</b>	<b>Fold Enrichment</b>	<b>p-value</b>	<b>Benjamini</b>
neuron differentiation	1.641444959	6.97E-08	1.80E-04
neuron development	1.681586951	1.76E-07	2.27E-04
vesicle-mediated transport	1.620729254	3.33E-07	2.86E-04
intracellular signaling cascade	1.690049374	1.16E-06	7.51E-04
cell motion	1.604577205	1.30E-05	0.006687792
protein localization	1.52055941	1.43E-05	0.006154024
cell morphogenesis involved in neuron differentiation	1.612148661	1.88E-05	0.006919498
cell morphogenesis	1.476307835	2.05E-05	0.006591207
neuron projection development	1.595904202	3.11E-05	0.008881927
cell morphogenesis involved in differentiation	1.573753897	3.48E-05	0.008963539
neuron projection morphogenesis	1.579546146	5.08E-05	0.011863068
endocytosis	1.605055612	6.54E-05	0.013977586
membrane invagination	1.605055612	6.54E-05	0.013977586
cellular component morphogenesis	1.405057457	6.58E-05	0.012994492
secretion	1.907389723	7.90E-05	0.014472329
transcription	1.421629767	1.03E-04	0.017665346
cell fate commitment	1.62266594	1.06E-04	0.017046886
membrane organization	1.51448821	1.20E-04	0.018107938
regulation of transcription	1.295695707	1.63E-04	0.023172046
regulation of RNA metabolic process	1.314088169	2.64E-04	0.035308293
secretion by cell	1.861023648	2.68E-04	0.034056869
cytoskeleton organization	1.389793021	2.75E-04	0.033302501
establishment of protein localization	1.497027945	4.47E-04	0.051180122
regulation of cellular component biogenesis	2.039150198	4.49E-04	0.049184275
neurotransmitter transport	1.792659514	4.71E-04	0.049410818
axon guidance	1.753115555	5.10E-04	0.051384459
post-embryonic organ development	1.478793202	5.27E-04	0.051032039
photoreceptor cell differentiation	1.764649209	6.46E-04	0.060010305
post-embryonic organ morphogenesis	1.480206536	6.85E-04	0.061317087
imaginal disc morphogenesis	1.480206536	6.85E-04	0.061317087
regulation of neurotransmitter levels	1.825253324	7.44E-04	0.064206084
regulation of developmental growth	2.50972332	7.66E-04	0.063841422
axonogenesis	1.584421288	7.76E-04	0.062620816
morphogenesis of a polarized epithelium	2.061558442	8.89E-04	0.069269843
intracellular transport	1.443291366	8.96E-04	0.067802022
cell projection morphogenesis	1.431326581	0.001048501	0.076632415
protein transport	1.467014531	0.001063047	0.075521032
generation of a signal involved in cell-cell signaling	1.827468437	0.001105703	0.07633778
cell projection organization	1.392380746	0.00127746	0.085403273
photoreceptor cell development	2.0914361	0.001305262	0.084985884
regulation of cell morphogenesis	1.739934235	0.001464083	0.092512925
appendage development	1.479308461	0.001667052	0.102176202
cell part morphogenesis	1.402715451	0.001723969	0.103041658
regulation of transcription, DNA-	1.281517218	0.001793373	0.104554722

dependent			
post-embryonic morphogenesis	1.386391069	0.001798182	0.102511964
regulation of programmed cell death	1.7522843	0.001863371	0.103747207
appendage morphogenesis	1.477832947	0.00188125	0.102486659
eye photoreceptor cell differentiation	1.730843669	0.001918693	0.102268278
neurotransmitter secretion	1.783871968	0.002026575	0.105536826
imaginal disc-derived appendage development	1.47175133	0.002076374	0.105861261
establishment of planar polarity	2.057150262	0.002189332	0.109150967
wing disc development	1.429023955	0.002305458	0.112443974
endosome transport	2.875724638	0.002321863	0.111106475
imaginal disc-derived appendage morphogenesis	1.470130815	0.002342195	0.109992689
border follicle cell migration	1.996370823	0.002445155	0.112510697
post-embryonic development	1.330037704	0.002553655	0.115164417
phosphorus metabolic process	1.286745622	0.002598382	0.115060154
phosphate metabolic process	1.286745622	0.002598382	0.115060154
instar larval or pupal morphogenesis	1.374200089	0.002647508	0.115139757
mitotic cell cycle	1.367028065	0.002680307	0.114559826
establishment of tissue polarity	2.023970419	0.002695304	0.113294674
synaptic vesicle transport	1.812577953	0.002889965	0.119049577
secondary metabolic process	1.917149758	0.003228599	0.130006849
cell-cell signaling	1.486802915	0.003254556	0.128979669
sex determination	2.760695652	0.003325125	0.129609687
regulation of cell death	1.691335281	0.00334358	0.128352037
metamorphosis	1.351922783	0.003638989	0.1368719
imaginal disc development	1.324914617	0.00376202	0.139151542
compound eye photoreceptor cell differentiation	1.695759	0.003785783	0.138000339
instar larval or pupal development	1.320907011	0.003864991	0.138732859
somatic sex determination	3.13715415	0.003956108	0.139834328
pattern specification process	1.294076087	0.004126031	0.143444809
negative regulation of signal transduction	1.722359141	0.004204109	0.144029046
stem cell division	2.0914361	0.0043946	0.148104283
regulation of cell shape	1.72863596	0.004757786	0.157312559
negative regulation of cell communication	1.705637208	0.004855571	0.158267092
reproductive developmental process	1.277181334	0.005163959	0.16538693
cell fate determination	1.605055612	0.005718733	0.179297783
synaptic vesicle endocytosis	2.330457369	0.005929085	0.183059392
positive regulation of transferase activity	2.556199678	0.006341978	0.192251595
positive regulation of protein kinase activity	2.556199678	0.006341978	0.192251595
positive regulation of kinase activity	2.556199678	0.006341978	0.192251595
post-embryonic appendage morphogenesis	1.424733763	0.006597894	0.19691975
compound eye photoreceptor development	2.012513983	0.006655478	0.196212842
sensory organ development	1.300771233	0.007009734	0.203247902
female meiosis II	5.22859025	0.007329265	0.209171113
wing disc morphogenesis	1.425979159	0.007636589	0.214605584
negative regulation of Notch signaling	3.13715415	0.007761793	0.215404457

pathway			
mitotic spindle organization	1.455380791	0.00798609	0.218588642
eye photoreceptor cell development	1.975245206	0.008093794	0.218900312
synaptic transmission	1.46068553	0.008191214	0.218961586
regulation of apoptosis	1.681773359	0.008257491	0.218292922
cell surface receptor linked signal transduction	1.228885224	0.00827176	0.216433294
cellular component disassembly	2.464906832	0.008484828	0.219169408
open tracheal system development	1.517316386	0.008634735	0.220411731
respiratory system development	1.517316386	0.008634735	0.220411731
ovarian follicle cell migration	1.7696767	0.008846501	0.22300352
regulation of growth	1.644721593	0.009499236	0.235153353
transmission of nerve impulse	1.440529967	0.009619913	0.235537818
localization of cell	1.440529967	0.009619913	0.235537818
cell migration	1.469980802	0.00971285	0.235325619
reproductive cellular process	1.25486166	0.009795622	0.234904403
establishment of ommatidial polarity	2.045970098	0.010001643	0.237052613
imaginal disc-derived wing morphogenesis	1.410280306	0.010224396	0.239494127
regulation of transcription from RNA polymerase II promoter	1.437862319	0.010836707	0.249709408
cell motility	1.442755385	0.011141428	0.253555959
regulation of synapse organization	2.379910045	0.011142018	0.251381447
antimicrobial humoral response	1.792659514	0.011345993	0.253184412
regulation of actin polymerization or depolymerization	2.688989272	0.0118101	0.259899994
regulation of actin filament length	2.688989272	0.0118101	0.259899994
phosphorylation	1.269624738	0.01233177	0.26750237
regionalization	1.257625673	0.012996041	0.277485801
regulation of cell development	1.532655463	0.013006345	0.275432038
protein amino acid phosphorylation	1.3566072	0.013166336	0.276092856
asymmetric protein localization	2.214461753	0.013293471	0.276159368
cell division	1.40789357	0.013307693	0.274240385
germ cell development	1.368470535	0.013517301	0.27575993
microtubule cytoskeleton organization	1.326447728	0.013729149	0.277288062
regulation of striated muscle tissue development	2.30057971	0.014383971	0.286291058
eye development	1.303997809	0.014445019	0.285160818
progression of morphogenetic furrow during compound eye morphogenesis	4.481648786	0.01495493	0.291468762
asymmetric protein localization involved in cell fate determination	3.13715415	0.015292083	0.294817163
actin cytoskeleton organization	1.491793582	0.01541557	0.294662413
regulation of skeletal muscle tissue development	2.566762487	0.016023398	0.302201975
regulation of striated muscle cell differentiation	2.566762487	0.016023398	0.302201975
regulation of skeletal muscle fiber development	2.566762487	0.016023398	0.302201975
regulation of muscle cell differentiation	2.566762487	0.016023398	0.302201975
regulation of synaptic growth at neuromuscular junction	2.566762487	0.016023398	0.302201975
actin filament-based process	1.481433904	0.017039592	0.31584483
phagocytosis, engulfment	1.409202934	0.017889832	0.326524453

humoral immune response	1.66306967	0.018067017	0.326925736
spindle organization	1.366404919	0.018107392	0.325299136
regulation of Wnt receptor signaling pathway	2.226367461	0.018280828	0.325650213
regulation of synapse structure and activity	2.039150198	0.018524539	0.327017147
nucleoside monophosphate metabolic process	1.859054311	0.018673215	0.32699211
small GTPase mediated signal transduction	1.55418646	0.019650514	0.338713581
positive regulation of catalytic activity	1.764649209	0.019895646	0.33994311
positive regulation of cell death	1.952007027	0.019999542	0.339201449
positive regulation of programmed cell death	1.952007027	0.019999542	0.339201449
nucleoside monophosphate biosynthetic process	1.88229249	0.02114573	0.35264129
regulation of synaptogenesis	2.455164118	0.021222301	0.351463275
microtubule-based process	1.251770868	0.021236028	0.349465339
activation of protein kinase activity	2.92801054	0.022119156	0.358916871
regulation of protein amino acid phosphorylation	2.92801054	0.022119156	0.358916871
protein kinase cascade	1.777720685	0.022641502	0.36348133
intracellular protein transport	1.406310481	0.023343483	0.370219824
cell adhesion	1.406310481	0.023343483	0.370219824
establishment of organelle localization	1.67314888	0.023459714	0.369486163
immune response	1.410791215	0.024104383	0.375318031
programmed cell death	1.435299284	0.024221221	0.374572004
photoreceptor cell fate commitment	1.845384794	0.025009702	0.381975652
cell proliferation	1.482120071	0.025332693	0.383664706
phagocytosis	1.369519071	0.02604916	0.389957404
dendrite morphogenesis	1.501543867	0.026603012	0.394224219
dendrite development	1.501543867	0.026603012	0.394224219
sensory perception of light stimulus	1.679040249	0.026762804	0.393890853
amine transport	1.942047807	0.027084783	0.395412026
transcription, DNA-dependent	1.462432762	0.027187866	0.394434475
regulation of protein complex assembly	2.352865613	0.027509646	0.395928623
regulation of muscle development	2.0914361	0.028309144	0.402691122
compound eye photoreceptor fate commitment	1.868942898	0.028421979	0.401803799
eye photoreceptor cell fate commitment	1.868942898	0.028421979	0.401803799
organelle localization	1.606835053	0.030157033	0.418387988
specification of segmental identity, head	3.13715415	0.030281966	0.417560228
eye-antennal disc development	1.720374857	0.030388779	0.416552323
apoptosis	1.629690468	0.030412781	0.414690022
positive regulation of molecular function	1.655720246	0.030554993	0.414078708
regulation of cell projection organization	1.981360516	0.030618576	0.412660347
regulation of actin filament polymerization	2.745009881	0.030733574	0.411787998
synaptic growth at neuromuscular junction	5.01944664	0.031309894	0.415643733
regulation of actin cytoskeleton organization	2.163554586	0.031570197	0.416239978
regulation of actin filament-based process	2.163554586	0.031570197	0.416239978

RNA processing	1.266927638	0.033745886	0.435767011
generation of precursor metabolites and energy	1.330037704	0.033890842	0.435098898
establishment or maintenance of cell polarity	1.496623998	0.034257792	0.436574142
induction of programmed cell death	2.029923274	0.034565674	0.437465643
female meiosis	1.693067319	0.034924544	0.438827505
ommatidial rotation	2.258750988	0.034977005	0.437291803
cellular protein localization	1.367028065	0.035058988	0.436048062
RNA biosynthetic process	1.430173216	0.035875869	0.441644449
compound eye development	1.263010112	0.037169177	0.451442897
regulation of protein kinase cascade	1.853772907	0.038205869	0.458697196
regulation of protein modification process	1.853772907	0.038205869	0.458697196
eye morphogenesis	1.282851139	0.0382449	0.457025072
head segmentation	2.390212686	0.038343487	0.455892813
defense response to Gram-negative bacterium	2.0914361	0.038935722	0.459086903
neuron fate commitment	1.742863417	0.039728378	0.463951102
macromolecular complex disassembly	2.583538712	0.041273633	0.475056444
cellular macromolecular complex disassembly	2.583538712	0.041273633	0.475056444
glucan metabolic process	3.485726834	0.041284811	0.473155996
energy reserve metabolic process	3.485726834	0.041284811	0.473155996
cellular glucan metabolic process	3.485726834	0.041284811	0.473155996
glycogen metabolic process	3.485726834	0.041284811	0.473155996
embryonic pattern specification	1.303752374	0.04129318	0.471247606
regulation of nervous system development	1.533719807	0.041838877	0.473805234
amino acid transport	1.88229249	0.043618289	0.486310751
phototransduction	1.812577953	0.044826351	0.493929298
visual perception	1.613393563	0.044956163	0.492974444
regulation of phosphorylation	1.64097294	0.045440166	0.494788055
biological adhesion	1.334959213	0.045562791	0.493785746
cellular macromolecule localization	1.285718914	0.046353991	0.497926928
nitrogen compound biosynthetic process	1.292561367	0.047011797	0.5009861
compound eye morphogenesis	1.279958893	0.047447568	0.502333636
neuroblast division	2.281566655	0.048759529	0.510145255
asymmetric neuroblast division	2.281566655	0.048759529	0.510145255
synaptogenesis	2.281566655	0.048759529	0.510145255
cell death	1.355560435	0.051077522	0.524964062
negative regulation of transcription from RNA polymerase II promoter	1.64572021	0.052068058	0.530010243
female gamete generation	1.172123529	0.052448314	0.530729281
antibacterial humoral response	2.0914361	0.053745725	0.537738116
cytoplasmic transport	2.440008783	0.053833649	0.536415264
regulation of protein polymerization	2.440008783	0.053833649	0.536415264
death	1.347244114	0.055052511	0.542723603
energy derivation by oxidation of organic compounds	1.430982595	0.055212423	0.541883328
negative regulation of protein complex assembly	4.1828722	0.055290522	0.540506863
endosome to lysosome transport	4.1828722	0.055290522	0.540506863

negative regulation of protein polymerization	4.1828722	0.055290522	0.540506863
negative regulation of actin filament polymerization	4.1828722	0.055290522	0.540506863
regulation of phosphorus metabolic process	1.568577075	0.056905303	0.549232993
regulation of phosphate metabolic process	1.568577075	0.056905303	0.549232993
aging	1.484244974	0.057074005	0.548442791
determination of adult life span	1.484244974	0.057074005	0.548442791
multicellular organismal aging	1.484244974	0.057074005	0.548442791
protein complex disassembly	2.688989272	0.058255465	0.554155838
cellular protein complex disassembly	2.688989272	0.058255465	0.554155838
primary sex determination, soma	2.688989272	0.058255465	0.554155838
peripheral nervous system development	1.497278117	0.058755465	0.555457965
maintenance of protein location	1.8653349	0.05892616	0.554673461
positive regulation of macromolecule metabolic process	1.369743361	0.059318403	0.555285762
positive regulation of biosynthetic process	1.353282182	0.059398526	0.55394456
positive regulation of cellular biosynthetic process	1.353282182	0.059398526	0.55394456
regulation of alternative nuclear mRNA splicing, via spliceosome	1.651133763	0.059747544	0.554287872
regulation of cell projection assembly	3.13715415	0.060341782	0.556142302
regulation of protein ubiquitination	3.13715415	0.060341782	0.556142302
regulation of exit from mitosis	3.13715415	0.060341782	0.556142302
maintenance of location	1.735446977	0.060350681	0.554381724
transcription from RNA polymerase II promoter	1.457667585	0.060948149	0.556238842
posttranscriptional regulation of gene expression	1.394290733	0.061141243	0.555617864
segmentation	1.25486166	0.061335324	0.555008399
regulation of cellular localization	1.568577075	0.065132277	0.575696134
regulation of mRNA processing	1.593475124	0.066506487	0.581775129
regulation of nuclear mRNA splicing, via spliceosome	1.593475124	0.066506487	0.581775129
asymmetric cell division	1.62266594	0.067708579	0.586759633
torso signaling pathway	1.901305546	0.06771282	0.585006735
maintenance of protein location in cell	1.901305546	0.06771282	0.585006735
spiracle morphogenesis, open tracheal system	2.311587269	0.068461765	0.587399902
organic acid transport	1.657364457	0.068671514	0.586797647
carboxylic acid transport	1.657364457	0.068671514	0.586797647
regulation of protein localization	1.81624714	0.069036011	0.587050017
regulation of tube architecture, open tracheal system	1.81624714	0.069036011	0.587050017
gamete generation	1.132008071	0.073657958	0.609941561
enzyme linked receptor protein signaling pathway	1.341403844	0.074465153	0.612357889
negative regulation of cell cycle	2.0914361	0.074517769	0.610890913
blastoderm segmentation	1.266374152	0.074822917	0.610723243
cytokinesis	1.490148221	0.076276759	0.616358004
imaginal disc fusion	2.50972332	0.07632362	0.614879563



regulation of imaginal disc growth	2.50972332	0.07632362	0.614879563
posterior head segmentation	2.50972332	0.07632362	0.614879563
somatic stem cell division	1.947199128	0.077944859	0.621219142
oogenesis	1.152423974	0.0783845	0.621675434
spermatid development	1.505833992	0.078676264	0.621408369
sexual reproduction	1.126814552	0.078881711	0.620724865
regulation of MAPKKK cascade	1.845384794	0.079645793	0.622744906
MAPKKK cascade	1.711174991	0.079910153	0.622347799
gland development	1.308751425	0.081547601	0.628470973
pheromone metabolic process	2.851958318	0.083238721	0.634702628
regulation of vesicle-mediated transport	2.851958318	0.083238721	0.634702628
female sex determination	2.851958318	0.083238721	0.634702628
regulation of cellular protein metabolic process	1.35138948	0.083852858	0.635882315
lipid biosynthetic process	1.370857276	0.084034142	0.635074027
R7 cell fate commitment	2.196007905	0.085160082	0.638561582
transcription from RNA polymerase I promoter	3.585319029	0.085542216	0.638660149
regulation of lamellipodium assembly	3.585319029	0.085542216	0.638660149
spindle assembly involved in female meiosis	3.585319029	0.085542216	0.638660149
sex differentiation	1.568577075	0.085657435	0.637561246
spermatid differentiation	1.486020387	0.087004582	0.641958081
learning	1.597096658	0.087775251	0.643751567
translational initiation	1.597096658	0.087775251	0.643751567
ovarian follicle cell development	1.261012943	0.089477064	0.649553356
interphase of mitotic cell cycle	2.007778656	0.089894733	0.6497603
regulation of Notch signaling pathway	2.007778656	0.089894733	0.6497603
interphase	2.007778656	0.089894733	0.6497603
regulation of mitotic cell cycle	1.40851819	0.09043672	0.650496304
protein targeting	1.381499075	0.090907576	0.650924364
segment specification	1.67314888	0.091260794	0.650852633
gene silencing by RNA	1.67314888	0.091260794	0.650852633
M phase of mitotic cell cycle	1.314213225	0.09209965	0.652820822
glutamine family amino acid metabolic process	1.88229249	0.09213	0.651394709
RNA interference	1.88229249	0.09213	0.651394709
R7 cell differentiation	1.88229249	0.09213	0.651394709
posttranscriptional gene silencing by RNA	1.725434783	0.092367667	0.650841671
posttranscriptional gene silencing	1.725434783	0.092367667	0.650841671
maintenance of location in cell	1.792659514	0.092772423	0.650988249
positive regulation of apoptosis	1.792659514	0.092772423	0.650988249
regulation of RNA splicing	1.521044436	0.092794577	0.64954626
glycoprotein metabolic process	1.521044436	0.092794577	0.64954626
glucose metabolic process	1.542862697	0.095662781	0.659768152
glial cell development	2.352865613	0.097046368	0.663790803
development of primary female sexual characteristics	2.352865613	0.097046368	0.663790803
regulation of cell cycle	1.28509929	0.099172085	0.670638484

**Table S3.3: Gene-ontology analysis of genes with altered expression in both 3d and 10d Spd<sup>5mM+</sup> versus Spd<sup>-</sup> flies.**

<b>GO-terms</b>	<b>Fold Enrichment</b>	<b>p-value</b>	<b>Benjamini</b>
oxidation reduction	1.586406771	2.32E-07	5.20E-04
tRNA metabolic process	2.365668562	5.09E-05	0.055494114
vesicle-mediated transport	1.553066298	1.35E-04	0.096233097
ncRNA metabolic process	1.993510176	2.55E-04	0.133134162
response to starvation	5.442692006	6.86E-04	0.264993254
intracellular transport	1.502888482	0.001876845	0.504548744
homeostatic process	1.731548815	0.002027781	0.478172761
peptidoglycan metabolic process	4.605354775	0.002072002	0.440963346
peptidoglycan catabolic process	4.605354775	0.002072002	0.440963346
tRNA processing	2.547643067	0.002173702	0.418604757
establishment of protein localization	1.500491531	0.003209874	0.513798837
protein transport	1.507508218	0.00322726	0.482699738
glycosaminoglycan catabolic process	4.276400862	0.003270997	0.457954815
cellular amino acid biosynthetic process	2.949241974	0.004447243	0.536538376
cellular protein complex assembly	1.957870274	0.006445725	0.645142823
phagocytosis	1.562948538	0.007025544	0.651550078
protein localization	1.37455742	0.007101093	0.631765692
cellular homeostasis	1.772202159	0.008522133	0.676720786
cellular macromolecular complex assembly	1.606890021	0.008688602	0.662917401
cellular protein localization	1.576773502	0.008835215	0.649240827
aminoglycan catabolic process	2.672750539	0.009038376	0.638778008
response to oxidative stress	2.103147965	0.009274741	0.630370175
phagocytosis, engulfment	1.555054859	0.009610107	0.626386143
protein import into nucleus, docking	3.521741886	0.00991294	0.621504319
cellular macromolecular complex subunit organization	1.516753015	0.011159178	0.649635379
polysaccharide catabolic process	2.591758098	0.011172058	0.635051221
protein export from nucleus	6.842241379	0.013240404	0.683321672
aspartate family amino acid biosynthetic process	6.842241379	0.013240404	0.683321672
carbohydrate catabolic process	1.85482447	0.014117168	0.69306753
organic acid biosynthetic process	2.004562904	0.014172472	0.681278687
carboxylic acid biosynthetic process	2.004562904	0.014172472	0.681278687
mitotic spindle elongation	1.864072171	0.016722548	0.728648202
cell redox homeostasis	2.097857027	0.017117582	0.724978205
tRNA aminoacylation for protein translation	2.183694057	0.017288852	0.716876467
tRNA aminoacylation	2.183694057	0.017288852	0.716876467
amine biosynthetic process	2.183694057	0.017288852	0.716876467
nuclear transport	1.900622605	0.017588134	0.711710063
nucleocytoplasmic transport	1.900622605	0.017588134	0.711710063
intracellular protein transport	1.52377502	0.017879998	0.706622198
ncRNA processing	1.766339487	0.018548581	0.709209356
spindle elongation	1.84047632	0.018774574	0.703177209
protein processing	2.375778257	0.019834946	0.712992848
nitrogen compound biosynthetic process	1.431584838	0.019912881	0.70457256
amino acid activation	2.138200431	0.020138245	0.699052236

response to nutrient levels	2.736896552	0.021011948	0.705163145
response to extracellular stimulus	2.736896552	0.021011948	0.705163145
bristle development	2.021571317	0.022664254	0.723493617
protein maturation	2.311568034	0.023580716	0.728960617
endocytosis	1.39231656	0.023890543	0.725102374
membrane invagination	1.39231656	0.023890543	0.725102374
sulfur amino acid biosynthetic process	5.701867816	0.024197193	0.721326599
membrane organization	1.340564534	0.025580431	0.733128842
defense response	1.483144808	0.027807999	0.754807368
macromolecular complex assembly	1.390699467	0.028027261	0.749964068
Golgi organization	2.850933908	0.028970663	0.754142004
oxidoreduction coenzyme metabolic process	2.850933908	0.028970663	0.754142004
transcription	1.267081737	0.029148726	0.749009898
macromolecule catabolic process	1.358567783	0.030111153	0.753287487
chromatin modification	1.603650323	0.033986758	0.787997517
secondary metabolic process	1.781833693	0.03689298	0.808574303
macromolecular complex subunit organization	1.33922874	0.037120661	0.804395498
insecticide catabolic process	8.552801724	0.037706758	0.803411509
methionine biosynthetic process	8.552801724	0.037706758	0.803411509
toxin catabolic process	8.552801724	0.037706758	0.803411509
xenobiotic catabolic process	8.552801724	0.037706758	0.803411509
cellular macromolecule localization	1.367046177	0.038005732	0.799997757
methionine metabolic process	4.887315271	0.038717598	0.800183077
heterochromatin organization	4.887315271	0.038717598	0.800183077
pigment metabolic process	1.814230669	0.039486616	0.800841192
response to reactive oxygen species	3.018635903	0.04011731	0.800350147
exocytosis	1.787152599	0.043971813	0.824306895
ribonucleoprotein complex assembly	2.199291872	0.044882377	0.825489085
cell growth	1.960017062	0.047507328	0.837901965
protein complex biogenesis	1.434002684	0.048842505	0.841389723
protein complex assembly	1.434002684	0.048842505	0.841389723
cellular carbohydrate biosynthetic process	2.49456717	0.053187861	0.861552164
response to inorganic substance	2.280747126	0.053329731	0.857898223
membrane docking	2.280747126	0.053329731	0.857898223
vesicle docking	2.280747126	0.053329731	0.857898223
vesicle docking during exocytosis	2.280747126	0.053329731	0.857898223
secretion by cell	1.522108781	0.054647118	0.860477485
monosaccharide metabolic process	1.587117846	0.055775574	0.861992169
aspartate family amino acid metabolic process	3.289539125	0.055805478	0.85794123
pyridine nucleotide metabolic process	3.289539125	0.055805478	0.85794123
NADP metabolic process	4.276400862	0.056677489	0.85819748
pentose-phosphate shunt	4.276400862	0.056677489	0.85819748
nuclear import	2.08041123	0.059889288	0.869592831
ion homeostasis	1.881616379	0.060423535	0.868144554
translational elongation	2.700884755	0.062042861	0.871570844
nuclear export	2.207174638	0.062233242	0.868649247
protein localization in nucleus	2.025663566	0.068445242	0.890161204
ribosome assembly	6.414601293	0.069613972	0.891070878
transcription from mitochondrial	6.414601293	0.069613972	0.891070878

promoter			
sulfur amino acid metabolic process	3.054572044	0.071153566	0.893253373
ribonucleoprotein complex biogenesis	1.546783291	0.077111024	0.909273019
response to xenobiotic stimulus	3.801245211	0.077833422	0.908501574
xenobiotic metabolic process	3.801245211	0.077833422	0.908501574
insecticide metabolic process	3.801245211	0.077833422	0.908501574
toxin metabolic process	3.801245211	0.077833422	0.908501574
chemical homeostasis	1.684642764	0.078069112	0.90631545
mitochondrion organization	1.640263344	0.078407064	0.904440717
protein targeting	1.490855346	0.08061147	0.908028952
immune response	1.366423944	0.085087549	0.91736219
respiratory electron transport chain	1.618097623	0.085463427	0.915743162
secretion	1.43687069	0.088390798	0.92045353
chromatin organization	1.358386156	0.089840707	0.921443
microtubule organizing center			
organization	1.819745048	0.090811897	0.9213033
bristle morphogenesis	1.819745048	0.090811897	0.9213033
regulation of cell size	1.596522989	0.092906546	0.923702225
mitotic spindle organization	1.322598205	0.095945892	0.927973975
electron transport chain	1.520498084	0.097931893	0.929854815

# Table S4: Primer used for quantitative real-time PCR.

Primers specific for:

Sequences:

gapdh1_forw	AATCAAGGCTAAGGTCGAGGAG
gapdh1_rev	TAACCGAACTCGTTGTCGTACC
14-3-3-E_forw	CATGAACGATCTGCCACCAAC
14-3-3-E_rev	CTCTTCGCTCAGTGTATCCAAC
dFOXO_forw	GATCACTTTCCCGAGAGTCC
dFOXO_rev	GGAACTGGCATTGGATGAG
mth_forw	TAGACAACCGCGAAGAACAG
mth_rev	GAGTCACACGGTCAAAGTGG
sod_forw	CGGTTTTCTTCGAACAGGAG
sod_rev	TTGGTGTTGTCACCGAACTC
sod2_forw	CGTAAAATTTTCGCAAACCTGC
sod2_rev	ATAGTCGTAGGGCAGCTTCG
hsp67Ba_forw	GACCATCGATAACTGCATCG
hsp67Ba_rev	TGTACTIONCGGATGAAGTGG
E(z)_forw	GCTTCAAATACGACTGCTTCC
E(z)_rev	AAGGCTTCAGTTCCGGATAG
stau_forw	GTCTTCAGCAGCAACAGCAG
stau_rev	CGTGGAGATGGTGATGATTC
mnb_forw	ATGGTTCAGGGATCGTCATC
mnb_rev	TGGACCCATAAGCGGACA
nmdar2_forw	TCATGGACAAGCATGGCATC
nmdar2_rev	TGTCTCCATCTCGGCGATTT
atg1_forw	AGCTGCACCATGAGAATGTG
atg1_rev	CACTCAGATAATCCGCCAAG

**Table S5: Aversive olfactory avoidance and shock reactivity of different mutant flies.** (All values are mean  $\pm$  SEM).

	<u>Olfactory Avoidance</u>		Shock Reactivity
	OCT	MCH	
control ( <i>Atg7<sup>+/+</sup></i> )	70.3 $\pm$ 2.0	68.8 $\pm$ 3.0	72.6 $\pm$ 2.2
<i>Atg7<sup>(d14)</sup>/CG5335<sup>(d30)</sup></i> ( <i>Atg7<sup>+/-</sup></i> )	66.2 $\pm$ 2.1	63.5 $\pm$ 2.4	63.3 $\pm$ 2.0
<i>Atg7<sup>(d14)</sup>/Atg7<sup>(d77)</sup></i> ( <i>Atg7<sup>-/-</sup></i> )	57.7 $\pm$ 2.2	58.8 $\pm$ 2.5	66.6 $\pm$ 1.7
control ( <i>Atg8a<sup>+/+</sup></i> )	59.4 $\pm$ 2.3	62.9 $\pm$ 2.9	57.3 $\pm$ 1.0
<i>W<sup>1118</sup>; p(EP)Atg8a<sup>EP362</sup></i> ( <i>Atg8a<sup>-/-</sup></i> )	51.2 $\pm$ 3.1	50.8 $\pm$ 2.4	61.2 $\pm$ 2.1