

**FBF Targets: Gene Ontology Functional Enrichment Analysis**

**A**

Biological Process	Number of Genes	Bonferroni <i>P</i> value
Cell cycle	138	3.1 x10 <sup>-57</sup>
Cell cycle process	127	1.0 x10 <sup>-62</sup>
Cell cycle phase	110	5.0 x10 <sup>-48</sup>
M phase	108	9.7 x10 <sup>-47</sup>
Embryonic development	415	1.4 x10 <sup>-43</sup>
Meiotic cell cycle	79	9.1 x10 <sup>-36</sup>
Meiosis	76	1.9 x10 <sup>-34</sup>
M phase of meiotic cell cycle	76	3.3 x10 <sup>-34</sup>
Chromosome segregation	71	4.4 x10 <sup>-32</sup>
Cell division	74	2.9 x10 <sup>-26</sup>

**B**

Cell Component	Number of Genes	Bonferroni <i>P</i> value
Chromosome	37	2.9 x10 <sup>-21</sup>
Intracellular non-membrane bounded organelle	75	2.9 x10 <sup>-20</sup>
Non-membrane bounded organelle	75	2.9 x10 <sup>-20</sup>
Microtubule cytoskeleton	24	5.0 x10 <sup>-12</sup>
Cytoskeletal part	27	1.3 x10 <sup>-10</sup>
Chromosomal part	21	5.0 x10 <sup>-10</sup>
Cytoskeleton	33	3.2 x10 <sup>-8</sup>
Microtubule	16	2.5 x10 <sup>-7</sup>
Centrosome	9	7.7 x10 <sup>-7</sup>
Chromatin	14	3.9 x10 <sup>-6</sup>

**C**

Molecular Function	Number of Genes	Bonferroni <i>P</i> value
ATP Binding	118	3.5 x10 <sup>-7</sup>
Adenyl ribonucleotide binding	118	2.0 x10 <sup>-7</sup>
Purine ribonucleotide binding	132	4.8 x10 <sup>-7</sup>
Ribonucleotide binding	132	4.8 x10 <sup>-7</sup>
Nucleoside binding	120	2.4 x10 <sup>-6</sup>
Adenyl nucleotide binding	119	2.4 x10 <sup>-6</sup>
Purine nucleoside binding	119	2.1 x10 <sup>-6</sup>
Nucleotide binding	150	1.8 x10 <sup>-6</sup>
Helicase activity	24	3.5 x10 <sup>-6</sup>
RNA binding	38	2.1 x10 <sup>-4</sup>