



195/536 obsolete negative regulation of cellular metabolic process  
*9/14 obsolete negative regulation of histone modification*

125/354 negative regulation of nucleobase–containing compound metabolic process  
218/678 regulation of cellular component organization  
20/40 regulation of chromatin organization  
*10/16 regulation of DNA biosynthetic process*

479/1490 negative regulation of biological process  
262/768 negative regulation of metabolic process  
200/552 negative regulation of biosynthetic process  
*40/98 obsolete gene silencing*  
28/53 post–transcriptional gene silencing  
*16/30 body morphogenesis*

32/70 negative regulation of translation  
471/1517 obsolete regulation of cellular biosynthetic process  
148/396 obsolete negative regulation of cellular biosynthetic process  
*23/51 stem cell proliferation*  
28/53 regulation of neural precursor cell proliferation  
*97/278 negative regulation of protein metabolic process*  
*55/148 tube development*  
27/54 neural tube development  
*41/102 response to fibroblast growth factor*

**42/71 protein autoubiquitination**

199/549 post–translational protein modification  
65/163 obsolete covalent chromatin modification  
*112/332 chromatin organization*

**503/1504 macromolecule modification**

*25/57 protein methylation*  
21/42 obsolete histone methylation  
150/410 peptidyl–amino acid modification  
12/17 peptidyl–lysine methylation

*36/90 rhythmic process*  
*7/10 protein K63–linked deubiquitination*  
*29/67 regulation of canonical NF–kappaB signal transduction*

29/62 regulation of nucleocytoplasmic transport  
*31/74 regulation of intracellular protein transport*

215/655 intracellular signal transduction  
149/444 biological process involved in interspecies interaction between organisms

91/242 immune response  
*24/53 defense response to virus*

366/1142 response to stress  
134/365 defense response

40/85 response to virus  
213/642 response to external stimulus

131/354 response to biotic stimulus  
44/107 regulation of cytokine production

42/100 positive regulation of response to external stimulus  
*80/223 regulation of response to external stimulus*

377/1184 regulation of response to stimulus  
*22/48 activation of innate immune response*  
*177/544 positive regulation of response to stimulus*

32/68 positive regulation of response to biotic stimulus  
116/316 regulation of response to stress

50/112 regulation of defense response  
45/94 regulation of response to biotic stimulus

*38/96 positive regulation of immune response*  
89/232 regulation of immune system process

58/147 regulation of immune response  
*9/14 T cell receptor signaling pathway*  
*54/140 positive regulation of immune system process*

24/47 regulation of immune effector process  
29/65 leukocyte differentiation

*328/1070 cellular developmental process*  
*36/88 leukocyte activation*  
*7/10 mature B cell differentiation*

*19/40 T cell activation*  
145/413 immune system process  
*42/107 immune effector process*

*14/26 cell activation involved in immune response*  
20/40 regulation of JUN kinase

11/17 execution phase of apoptosis  
53/134 response to cytokine

455/1488 positive regulation of cellular process  
10/15 regulation of osteoblast proliferation

*26/59 negative regulation of canonical Wnt signaling pathway*  
*224/705 regulation of developmental process*  
*11/18 positive regulation of multicellular organism growth*

*14/25 inner ear receptor cell stereocilium organization*  
*198/614 anatomical structure morphogenesis*  
*22/48 embryonic heart tube morphogenesis*

96/257 embryonic morphogenesis  
17/32 convergent extension  
10/13 obsolete regulation of planar cell polarity pathway involved in neural tube closure

99/260 cellular anatomical entity morphogenesis  
78/175 obsolete cell part morphogenesis  
18/34 determination of digestive tract left/right asymmetry

*25/55 specification of symmetry*  
64/160 cell projection assembly  
158/475 cell projection organization

37/70 cilium assembly  
46/95 plasma membrane bounded cell projection assembly  
74/197 organelle assembly

17/26 maintenance of animal organ identity  
20/38 photoreceptor cell maintenance  
26/51 lung development

36/77 establishment or maintenance of cell polarity  
176/492 obsolete movement of cell or subcellular component  
27/52 cilium movement

**79/171 microtubule–based movement**

11/17 epithelial cilium movement involved in determination of left/right asymmetry  
15/26 extracellular transport

32/69 microtubule–based transport  
121/326 microtubule–based process  
107/306 cytoskeleton organization

**455/1310 organelle organization**

*7/10 cytoplasmic microtubule organization*  
*27/62 cytokinesis*  
20/36 cytoskeleton–dependent cytokinesis

**219/587 cell cycle process**

118/305 cell division  
161/482 cell cycle  
151/406 regulation of cell cycle

**103/217 regulation of mitotic cell cycle**

58/127 peptidyl–tyrosine phosphorylation  
194/550 phosphorylation

413/1316 phosphorus metabolic process  
*38/94 protein dephosphorylation*  
*186/574 obsolete organic cyclic compound catabolic process*  
*191/596 vesicle–mediated transport*

*15/28 phagocytosis*  
*21/44 Golgi organization*  
*26/57 DNA–templated DNA replication*  
*8/11 mRNA splice site recognition*

**p < 1e–04**

p < 0.05

p < 0.1