
p < 0.01
p < 0.05
p < 0.1
12/20 actin filament bundle assembly
46/77 actin filament organization
347/616 macromolecular complex subunit organization
395/716 cellular component assembly
273/484 macromolecular complex assembly
22/37 protein polymerization
13/21 actin filament−based movement
76/137 actin filament−based process
7/10 actin−mediated cell contraction
78/138 regulation of cytoskeleton organization
58/97 regulation of actin filament−based process
46/77 regulation of cellular component size
16/24 regulation of actin filament depolymerization
63/111 regulation of anatomical structure size
21/34 regulation of protein depolymerization
24/40 regulation of protein complex disassembly
19/30 negative regulation of protein polymerization
47/93 negative regulation of organelle organization
337/653 regulation of cellular component organization
92/168 negative regulation of cellular component organization
28/47 negative regulation of cytoskeleton organization
10/16 actin filament capping
115/211 regulation of cellular component biogenesis
291/542 vesicle−mediated transport
133/234 endocytosis
5/5 localization within membrane
6/9 Rac protein signal transduction
98/181 small GTPase mediated signal transduction
277/526 intracellular signal transduction
7/10 paranodal junction assembly
73/136 cellular component assembly involved in morphogenesis
111/201 localization
4/5 protein localization to paranode region of axon
39/65 cell junction organization
27/48 cell junction assembly
488/930 regulation of cell communication
21/46 regulation of G−protein coupled receptor protein signaling pathway
8/13 positive regulation of G−protein coupled receptor protein signaling pathway
5/8 regulation of neuroblast proliferation
394/817 positive regulation of metabolic process
10/21 regulation of NIK/NF−kappaB signaling
154/299 positive regulation of phosphate metabolic process
126/233 regulation of MAPK cascade
254/481 positive regulation of response to stimulus
9/19 regulation of vasodilation
43/72 regulation of cyclic nucleotide metabolic process
120/232 regulation of nucleoside metabolic process
161/300 regulation of nucleotide metabolic process
362/691 regulation of phosphorus metabolic process
71/132 regulation of Ras GTPase
35/68 regulation of Rho GTPase
175/348 regulation of catabolic process
287/572 positive regulation of molecular function
55/109 regulation of small GTPase mediated signal transduction
21/44 regulation of Rho protein signal transduction
253/470 regulation of intracellular signal transduction
20/31 organelle localization
4/9 olfactory bulb development
332/623 regulation of localization
31/48 regulation of epithelial cell migration
6/6 embryonic skeletal joint morphogenesis
208/399 regulation of cell proliferation
113/222 positive regulation of cell proliferation
9/14 positive regulation of smooth muscle cell proliferation
13/19 regulation of smooth muscle cell proliferation
237/443 regulation of transport
31/52 regulation of metal ion transport
9/12 regulation of release of sequestered calcium ion into cytosol
135/249 regulation of cellular localization
101/178 positive regulation of transport
4/7 cardiac muscle cell action potential
11/20 action potential
469/912 regulation of molecular function
21/29 regulation of transporter
19/40 regulation of heart contraction
12/18 regulation of heart rate
401/753 regulation of multicellular organismal process
5/9 negative regulation of heart contraction
6/15 regulation of striated muscle contraction
5/15 positive regulation of mitochondrion organization
181/371 peptidyl−amino acid modification
26/41 peptidyl−threonine modification
61/121 peptidyl−tyrosine phosphorylation
261/529 phosphorylation
74/148 response to other organism
112/213 response to biotic stimulus
55/105 response to mechanical stimulus
261/493 response to external stimulus
181/389 immune system process
12/22 myeloid leukocyte activation
18/32 response to ethanol
12/15 dorsal closure
88/147 tissue morphogenesis
19/24 morphogenesis of embryonic epithelium
7/10 compound eye morphogenesis
9/12 respiratory system development
134/230 cell motility
9/14 ovarian follicle cell migration
162/291 locomotion
7/10 ovarian follicle cell development
7/11 post−embryonic organ development
220/449 organ development
8/13 compound eye development
12/21 imaginal disc−derived appendage morphogenesis
113/219 cell proliferation
231/450 regulation of cell differentiation
22/48 stem cell maintenance
116/220 negative regulation of developmental process
337/650 regulation of developmental process
4/8 cell fate commitment involved in formation of primary germ layer
17/39 regulation of myeloid cell differentiation
111/222 regulation of immune system process
35/58 regulation of organ morphogenesis
17/21 regulation of establishment of planar polarity
297/582 anatomical structure morphogenesis
23/30 establishment of planar polarity
9/11 establishment of planar polarity of embryonic epithelium
16/24 inner ear receptor stereocilium organization
196/362 cell projection organization
165/300 regulation of anatomical structure morphogenesis
27/42 regulation of cell shape
89/169 regulation of cell morphogenesis
19/38 epidermal growth factor receptor signaling pathway
461/938 cell surface receptor signaling pathway
58/123 neuropeptide signaling pathway
17/25 maintenance of organ identity
20/37 photoreceptor cell maintenance
90/169 cell part morphogenesis
130/247 cellular component morphogenesis
36/64 cilium morphogenesis
19/33 determination of digestive tract left/right asymmetry
19/29 cardiac septum development
27/54 specification of symmetry
9/12 regulation of planar cell polarity pathway involved in neural tube closure
76/146 Wnt signaling pathway
21/31 convergent extension
47/83 regulation of canonical Wnt signaling pathway
65/117 regulation of Wnt signaling pathway
35/57 negative regulation of canonical Wnt signaling pathway
48/72 establishment or maintenance of cell polarity
76/134 extracellular structure organization
253/467 cellular component movement
20/41 cilium movement
77/157 microtubule−based movement
158/293 regulation of cell development
7/7 positive regulation of neurological system process
5/6 regulation of oocyte development
23/42 cell growth
8/12 melanin metabolic process
159/291 cell division
242/464 cell cycle
142/276 organelle fission
189/375 regulation of cell cycle
108/211 regulation of mitotic cell cycle
34/60 cytokinesis
14/27 mitotic cytokinesis
263/532 cell cycle process
79/133 microtubule cytoskeleton organization
12/16 establishment of mitotic spindle localization
170/291 cytoskeleton organization
15/21 establishment of spindle localization
399/756 single−organism organelle organization
45/71 establishment of organelle localization
163/303 microtubule−based process
4/7 mitotic spindle elongation
8/11 lung epithelial cell differentiation
52/90 epithelial cell differentiation
63/142 organelle assembly
17/35 negative regulation of transmembrane receptor protein serine/threonine kinase signaling pathway
9/14 embryonic skeletal system development
59/110 calcium ion transmembrane transport
80/153 divalent inorganic cation transport
5/6 cellular response to nutrient
53/87 hemostasis
25/40 histone methylation
143/284 chromatin organization
195/394 chromosome organization
5/8 histone H3−K4 trimethylation
8/16 regulation of histone methylation
22/47 protein modification by small protein removal
218/471 protein modification by small protein conjugation or removal
5/11 protein K48−linked deubiquitination
26/53 peptidyl−tyrosine dephosphorylation
58/95 cellular amino acid biosynthetic process
23/32 sulfur amino acid biosynthetic process
289/500 single−organism biosynthetic process
116/212 small molecule biosynthetic process
45/71 alpha−amino acid biosynthetic process
18/34 cellular modified amino acid biosynthetic process
108/172 alpha−amino acid metabolic process
4/5 imidazole−containing compound metabolic process
266/469 organic acid metabolic process
29/43 sulfur amino acid metabolic process
155/250 cellular amino acid metabolic process
28/38 aspartate family amino acid metabolic process
5/6 tetrahydrofolate interconversion
55/95 cellular modified amino acid metabolic process
8/10 tetrahydrofolate metabolic process
17/22 one−carbon metabolic process
5/5 folic acid metabolic process
13/20 pteridine−containing compound metabolic process
41/72 sulfur compound biosynthetic process
79/139 sulfur compound metabolic process
4/5 hydrogen sulfide metabolic process
6/9 S−adenosylmethionine metabolic process
83/137 small molecule catabolic process
8/10 cellular modified amino acid catabolic process
48/77 cellular amino acid catabolic process
31/55 dicarboxylic acid metabolic process
15/27 glutathione metabolic process
26/54 peptide metabolic process
25/43 nucleoside monophosphate biosynthetic process
54/100 nucleoside phosphate biosynthetic process
29/57 glycosyl compound biosynthetic process
17/29 nucleobase metabolic process
14/21 purine nucleobase metabolic process
495/915 organonitrogen compound metabolic process
7/8 cGMP biosynthetic process
46/78 purine−containing compound biosynthetic process
152/262 organonitrogen compound biosynthetic process
8/12 cGMP metabolic process
15/32 pyrimidine−containing compound metabolic process
10/21 pyrimidine−containing compound biosynthetic process
26/51 amine metabolic process
13/17 porphyrin−containing compound metabolic process
71/125 cofactor metabolic process
11/13 heme metabolic process
16/22 tetrapyrrole metabolic process
36/65 cofactor biosynthetic process
15/20 water−soluble vitamin metabolic process
23/40 vitamin metabolic process
8/16 vitamin transport
20/40 carbohydrate transport
11/25 drug metabolic process
5/12 fat−soluble vitamin metabolic process
344/618 oxidation−reduction process
12/22 electron transport chain
279/488 lipid metabolic process
14/21 diterpenoid metabolic process
17/32 isoprenoid metabolic process
9/13 retinol metabolic process
178/329 cellular lipid metabolic process
14/18 primary alcohol metabolic process
17/35 cellular hormone metabolic process
115/203 lipid biosynthetic process
31/55 steroid biosynthetic process
106/204 monocarboxylic acid metabolic process
69/127 fatty acid metabolic process
13/21 cellular aldehyde metabolic process
27/58 hydrogen transport
46/80 monosaccharide metabolic process
193/382 carbohydrate metabolic process
4/8 fucose metabolic process
41/74 cellular carbohydrate metabolic process
18/23 tRNA aminoacylation for protein translation
133/204 translation
19/23 translational elongation
44/90 cellular component biogenesis
32/71 ribonucleoprotein complex biogenesis
31/82 rRNA metabolic process
20/34 digestion