

27/62 regulation of signaling receptor 36/112 cell-substrate adhesion

24/61 cell redox homeostasis

50/145 response to mechanical stimulus

48/123 detection of abiotic stimulus

59/163 detection of stimulus 15/56 detection of stimulus involved in sensory perception 28/75 detection of mechanical stimulus

50/145 response to mechanical stimulus
3/5 cell–cell signaling by wnt
34/108 sensory perception of light stimulus
88/285 sensory perception
162/504 nervous system process
35/108 sensory perception of mechanical stimulus
13/40 sensory perception of chemical stimulus
3/6 positive regulation of cyclin–dependent protein kinase
50/147 heart development

15/27 cellular response to drug 20/57 cellular response to calcium ion 53/157 cellular response to inorganic substance

23/75 cell-matrix adhesion

50/147 heart development 11/46 response to pH

17/38 sterol transport 57/196 lipid transport

25/54 lipid homeostasis

32/118 signal release 10/44 platelet degranulation

6/9 cellular amide catabolic process

23/60 organic hydroxy compound transport

13/66 organophosphate ester transport

15/36 neurotransmitter metabolic process

9/17 catecholamine biosynthetic process

3/6 polyketide metabolic process

94/279 Golgi vesicle transport

5/7 Golgi vesicle budding

31/94 mRNA transport

22/76 RNA export from nucleus 7/15 ribosome localization

48/153 nuclear transport 314/956 intracellular transport 33/102 nuclear export

32/85 amino acid transport

7/17 neutral amino acid transport 48/137 organic acid transport

6/24 centrosome localization

3/10 maintenance of organelle location

3/5 leucine transport

27/69 ERAD pathway

100/430 DNA repair

12/26 digestion

3/6 MDA-5 signaling pathway

276/929 proteolysis 4/7 protein deneddylatior

117/323 immune response

6/10 cytolysis

11/51 nucleotide-excision repair 318/1077 cellular response to stress

10/19 'de novo' protein folding 69/145 protein folding

10/19 superoxide metabolic process

10/27 endoplasmic reticulum organization 3/5 SNARE complex disassembly 29/103 protein-containing complex disassembly

119/406 protein localization to organelle **31/96 protein import** 14/34 protein localization to mitochondrion 23/44 protein targeting to membrane

189/553 intracellular protein transport 10/34 intracellular protein transmembrane transport 183/566 transmembrane transport 46/163 anion transmembrane transport 5/10 protein import into mitochondrial matrix 28/69 mitochondrial transport 17/41 mitochondrial transmembrane transport

50/158 nucleobase-containing compound transport

32/85 amino acid transport
16/44 amino acid transmembrane transport
403/1261 nitrogen compound transport
6/11 L-ornithine transmembrane transport
25/67 organic acid transmembrane transport
8/17 basic amino acid transport
51/181 organic anion transport
39/134 carboxylic acid transport
2/6 dycine transport

6/13 inner mitochondrial membrane organization 13/38 mitochondrial membrane organization 6/12 mitochondrial protein processing

20/41 regulation of response to endoplasmic reticul

9/25 transcription-coupled nucleotide-excision repair

24/38 chaperone-mediated protein folding

19/75 aminoglycan metabolic process
231/787 macromolecule catabolic process

225/718 positive regulation of multicellular organismal process

184/679 protein modification by small protein conjugation or removal

29/135 protein modification by small protein removal

7/10 complement activation, alternative pathway

3/9 cytoplasmic pattern recognition receptor signaling pathway in response to virus

19/40 humoral immune response 8/12 complement activation, classical pathway 8/14 positive regulation of G protein–coupled receptor signaling pathway

6/18 glycosaminoglycan catabolic process
14/32 aminoglycan catabolic process

3 cellular response to exogenous dsRNA

9/33 toll–like receptor signaling pathway
14/54 pattern recognition receptor signaling pathway

8/34 regulation of mitotic sister chromatid segregation

4/10 protein maturation by iron-sulfur cluster transfer

8/27 polysaccharide catabolic process

11/20 complement activation

9/30 negative regulation of nuclear division 23/75 regulation of nuclear division

134/458 peptidyl–amino acid modification 4/7 N-terminal protein amino acid acetylation 5/11 N-terminal protein amino acid modification

4/6 nuclear envelope reassembly

8/23 iron-sulfur cluster assembly

24/50 response to topologically incorrect protein

8/14 protein exit from endoplasmic reticulum 116/368 protein catabolic process

15/41 positive regulation of protein localization to cell periphery

8/15 regulation of endoplasmic reticulum unfolded protein response

61/151 response to endoplasmic reticulum stress

6/13 proteasomal ubiquitin-independent protein catabolic process

180/573 proteolysis involved in cellular protein catabolic process

5/11 calcium activated galactosylceramide scrambling

50/146 regulation of neurotransmitter levels

44/110 endoplasmic reticulum to Golgi vesicle-mediated transport

22/49 retrograde vesicle-mediated transport, Golgi to endoplasmic reticulum

79/231 establishment of protein localization to organelle

10/12 cotranslational protein targeting to membrane

102/297 organic hydroxy compound metabolic process 72/215 alcohol metabolic process

28/67 reactive oxygen species metabolic process

18/39 detection of light stimulus 6/7 detection of visible light

10/24 positive regulation of DNA-templated transcription, elongation 15/36 regulation of DNA-templated transcription, elongatio

171/626 macromolecule biosynthetic process

7/21 mitochondrial translation

7/14 cytoplasmic translation

84/263 peptide metabolic process

8/16 positive regulation of transcription elongation from RNA polymerase II promoter

p < 0.01

p < 0.05 p < 0.1