



0/8 organelle transport along microtubule  
**0/5 vesicle localization**  
*0/10 stress granule assembly*  
0/7 negative regulation of neurological system process  
**0/46 regulation of neurological system process**  
0/7 regulation of sensory perception of pain  
0/7 asymmetric cell division  
**0/6 negative regulation of lyase**  
*0/10 negative regulation of cAMP metabolic process*  
0/9 gamma-aminobutyric acid signaling pathway  
0/9 adenylate cyclase-modulating G-protein coupled receptor signaling pathway  
**0/11 glutamate biosynthetic process**  
0/8 cotyledon development  
0/31 sister chromatid cohesion  
**0/115 detection of stimulus**  
**0/74 detection of external stimulus**  
*0/280 response to radiation*  
**0/45 detection of light stimulus**  
*0/35 cellular response to carbohydrate stimulus*  
**0/22 sugar mediated signaling pathway**  
*0/10 vegetative phase change*  
**0/5 detection of nutrient**  
0/31 root development  
*0/10 response to freezing*  
**0/162 protein-chromophore linkage**  
*0/72 response to hydrogen peroxide*  
*0/10 lateral root formation*  
*0/10 nucleolus organization*  
0/27 DNA packaging  
*0/626 ion transmembrane transport*  
0/8 C21-steroid hormone metabolic process  
0/9 organic cation transport  
**0/5 nickel cation transport**  
**0/6 cobalt ion transport**  
**0/5 apical protein localization**  
0/7 asymmetric protein localization  
*0/10 eye photoreceptor cell development*  
**0/23 inositol phosphate metabolic process**  
**0/17 inositol phosphate biosynthetic process**  
*0/10 one-carbon compound transport*  
0/8 toll-like receptor 3 signaling pathway  
*0/10 toll-like receptor signaling pathway*  
0/7 MyD88-independent toll-like receptor signaling pathway  
0/8 stress-activated MAPK cascade  
**0/5 regulation of protein acetylation**  
0/8 response to interleukin-1  
**0/5 interleukin-1-mediated signaling pathway**  
**0/5 positive regulation of CREB transcription factor**  
**0/6 histone H3-S10 phosphorylation**  
0/7 glutamine biosynthetic process  
0/7 S-adenosylmethionine biosynthetic process  
**0/5 negative regulation of RNA catabolic process**  
**0/6 gastrulation**  
**0/6 pronephros development**  
**0/5 phytol diphosphate biosynthetic process**  
**0/12 vitamin E biosynthetic process**  
0/8 regulation of lipid catabolic process  
**0/6 positive regulation of triglyceride metabolic process**  
0/9 regulation of triglyceride metabolic process  
0/7 CDP-diacylglycerol metabolic process  
**0/14 ribosomal small subunit biogenesis**  
0/9 positive regulation of RNA splicing  
0/7 L-proline biosynthetic process  
0/8 regulation of non-canonical Wnt signaling pathway  
0/9 regulation of N-methyl-D-aspartate selective glutamate receptor

**p < 0.01**  
p < 0.05  
*p < 0.1*