



*11/69 ERAD pathway*

38/380 protein catabolic process

*46/487 protein modification by small protein conjugation or removal*

**38/181 response to endoplasmic reticulum stress**

**20/70 endoplasmic reticulum unfolded protein response**

*5/6 PERK-mediated unfolded protein response*

**27/114 response to topologically incorrect protein**

*5/27 positive regulation of response to endoplasmic reticulum stress*

**16/59 regulation of response to endoplasmic reticulum stress**

20/133 protein folding

*20/258 peptide biosynthetic process*

**11/86 cytoplasmic translation**

**11/96 translational initiation**

*15/168 RNA catabolic process*

**8/75 nuclear-transcribed mRNA catabolic process, nonsense-mediated decay**

**59/624 macromolecule catabolic process**

**17/85 protein localization to endoplasmic reticulum**

**16/75 establishment of protein localization to endoplasmic reticulum**

**30/279 establishment of protein localization to organelle**

**13/86 protein targeting to membrane**

**26/216 protein targeting**

**64/559 intracellular protein transport**

**17/138 establishment of protein localization to membrane**

**25/257 protein localization to membrane**

*23/221 vesicle organization*

*15/180 negative regulation of cell cycle process*

49/454 regulation of cell cycle process

*25/254 regulation of cell cycle phase transition*

*15/171 negative regulation of mitotic cell cycle*

*49/438 regulation of mitotic cell cycle*

**29/311 negative regulation of cell cycle**

*16/125 cell cycle checkpoint*

*18/184 positive regulation of cell cycle process*

*11/98 regulation of chromosome segregation*

*28/275 regulation of chromosome organization*

**80/623 chromosome organization**

**22/115 sister chromatid segregation**

*36/195 chromosome segregation*

**25/138 mitotic nuclear division**

*41/296 organelle fission*

*17/146 spindle organization*

*42/376 microtubule cytoskeleton organization*

*11/87 mitotic spindle organization*

*6/42 mitotic spindle assembly*

*8/85 spindle assembly*

**71/550 mitotic cell cycle**

*17/128 microtubule cytoskeleton organization involved in mitosis*

**29/170 DNA conformation change**

*21/119 DNA packaging*

*7/22 centromere complex assembly*

*14/45 cell cycle DNA replication*

*8/32 nuclear DNA replication*

**25/137 DNA replication**

**68/478 DNA metabolic process**

**20/96 DNA-dependent DNA replication**

*4/6 DNA unwinding involved in DNA replication*

*5/16 DNA strand elongation involved in DNA replication*

*5/22 mismatch repair*

*42/300 DNA repair*

*57/451 cellular response to DNA damage stimulus*

*20/135 DNA recombination*

**9/54 DNA geometric change**

*38/262 regulation of DNA metabolic process*

*5/7 regulation of DNA-dependent DNA replication initiation*

*14/50 regulation of DNA-dependent DNA replication*

*11/95 negative regulation of DNA metabolic process*

*5/51 blastocyst development*

*2/59 lipoprotein metabolic process*

*9/66 oxidative phosphorylation*

**p < 1e-04**

p < 0.001

p < 0.01