

Additional Table 2 Gene Ontology annotation of differentially expressed proteins regulated by chronic unpredictable mild stress and icariin

Level	GO_ID	Term	Type	Total	Sequences
Biological Process					
2	GO:0009987	Cellular process	Biological process	47	Rps14, Rps19, Rps5, Rps25, Rab1a, Rps3, Tuba1b, Calm3, Nkap, Hdgf, Sars1, Sptbn1, Dkc1, Rpl35, Col2a1, Htra1, Myoc, Chrd, Tgfb1, Rpl17, Rpl27a, Rplp0, Hsp90b1, Hspa9, Hist1h2ail1, Pkn3, Angptl1, Tmed2, Uba1, Taf15, Rpl34, Rps4x, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, B3gnt2, Cpd, Rab11a, Actb, Rlc-a, Vim, Sumo2, HSP90AA1, Psmc6, Psmd6
2	GO:0008152	Metabolic process	Biological process	40	Rab1a, Rps14, Nkap, Hdgf, Sars1, Dkc1, Rps19, Rpl35, Col2a1, Rps3, Rpl17, Rpl27a, Rplp0, Uba1, Taf15, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Pkn3, B3gnt2, Htra1, Cpd, Sptbn1, Vim, Tmed2, Hspa9, Sumo2, HSP90AA1, Chrd, Hsp90b1, Psmc6, Calm3, Psmd6, Myoc, Hist1h2ail1
3	GO:0071704	Organic substance metabolic process	Biological process	40	Rps14, Nkap, Hdgf, Sars1, Dkc1, Rps19, Rpl35, Col2a1, Rps3, Rpl17, Rpl27a, Rplp0, Uba1, Taf15, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Pkn3, B3gnt2, Htra1, Cpd, Sptbn1, Vim, Tmed2, Sumo2, HSP90AA1, Chrd, Hsp90b1, Psmc6, Calm3, Psmd6, Myoc, Hspa9, Hist1h2ail1, Rab1a
4	GO:0043170	Macromolecule metabolic process	Biological process	40	Rps14, Nkap, Hdgf, Sars1, Dkc1, Rps19, Rpl35, Col2a1, Rps3, Rpl17, Rpl27a, Rplp0, Uba1, Taf15, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Pkn3, B3gnt2, Htra1, Cpd, Sptbn1, Vim, Tmed2, Sumo2, HSP90AA1, Chrd, Hsp90b1, Psmc6, Calm3, Psmd6, Myoc, Hspa9, Hist1h2ail1, Rab1a
3	GO:0044238	Primary metabolic process	Biological process	38	Rps14, Nkap, Hdgf, Sars1, Dkc1, Rps19, Rpl35, Col2a1, Rps3, Rpl17, Rpl27a, Rplp0, Uba1, Taf15, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Pkn3, B3gnt2, Htra1, Cpd, Sptbn1, Vim, Sumo2, HSP90AA1, Chrd, Hsp90b1, Psmc6, Calm3, Psmd6, Myoc, Hspa9, Rab1a
3	GO:0006807	Nitrogen compound metabolic process	Biological process	38	Rps14, Nkap, Hdgf, Sars1, Dkc1, Rps19, Rpl35, Col2a1, Rps3, Rpl17, Rpl27a, Rplp0, Uba1, Taf15, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Pkn3, B3gnt2, Htra1, Cpd, Sptbn1, Vim, Sumo2, HSP90AA1, Chrd, Hsp90b1, Psmc6, Calm3, Psmd6, Myoc, Hspa9, Rab1a
3	GO:0044237	Cellular metabolic process	Biological process	38	Rab1a, Rps14, Nkap, Hdgf, Sars1, Dkc1, Rps19, Rpl35, Col2a1, Rps3, Rpl17, Rpl27a, Rplp0, Uba1, Taf15, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Pkn3, B3gnt2, Cpd, Sptbn1, Vim, Hspa9, Sumo2, HSP90AA1, Chrd, Hsp90b1, Psmc6, Htra1, Calm3, Psmd6, Myoc
4	GO:0044260	Cellular macromolecule metabolic process	Biological process	37	Rps14, Nkap, Hdgf, Sars1, Col2a1, Rps3, Rpl17, Rpl27a, Rplp0, Uba1, Taf15, Rps19, Rpl35, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Pkn3, B3gnt2, Dkc1, Sptbn1, Vim, Sumo2, HSP90AA1, Chrd, Hsp90b1, Psmc6, Htra1, Calm3, Psmd6, Myoc, Hspa9, Rab1a
2	GO:0065007	Biological regulation	Biological process	35	Rps14, Nkap, Hdgf, Sars1, Htra1, Col2a1, Myoc, Calm3, Chrd, Pkn3, Angptl1, Taf15, Rps5, Dkc1, Sptbn1, Rps19, Rplp0, Hsp90b1, Rps4x, Rlc-a, Vim, Rps3, Tmed2, Rab11a, Sumo2, Cpd, Hspa9, Rab1a, Eif2s1, Actb, HSP90AA1, Psmc6, Psmd6, Hist1h2ail1, Rpl17
4	GO:1901564	Organonitrogen compound metabolic process	Biological process	33	Col2a1, Rps3, Rpl17, Rpl27a, Rplp0, Uba1, Rps14, Rps19, Rpl35, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Sars1, Pkn3, B3gnt2, Htra1, Cpd, Sptbn1, Vim, Sumo2, HSP90AA1, Hsp90b1, Psmc6, Calm3, Psmd6, Myoc, Hspa9, Rab1a
4	GO:0019538	Protein metabolic process	Biological process	32	Col2a1, Rps3, Rpl17, Rpl27a, Rplp0, Uba1, Rps14, Rps19, Rpl35, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Sars1, Pkn3, B3gnt2, Htra1, Cpd, Sptbn1, Vim, Sumo2, HSP90AA1, Hsp90b1, Psmc6, Calm3, Psmd6, Myoc, Hspa9, Rab1a
2	GO:0050896	Response to stimulus	Biological process	31	Hsp90b1, Calm3, Rps19, Hspa9, Rab1a, Pkn3, Angptl1, Rps3, Actb, Col2a1, Uba1, Sptbn1, Nkap, B3gnt2, Vim, HSP90AA1, Rps12, Rplp0, Hdgf, Myoc, Chrd, Psmc6, Htra1, Eif2s1, Rab11a, Rpl17, Rps25, Rps4x, Cpd, Tuba1b, Rpl35
2	GO:0050789	Regulation of biological process	Biological process	30	Rps14, Nkap, Hdgf, Sars1, Htra1, Myoc, Calm3, Chrd, Pkn3, Angptl1, Taf15, Sptbn1, Rps19, Hsp90b1, Rps4x, Dkc1, Rlc-a, Col2a1, Vim, Rps3, Tmed2, Rab11a, Sumo2, Eif2s1, Rab1a, HSP90AA1, Hspa9, Psmc6, Hist1h2ail1, Rpl17
5	GO:0044267	Cellular protein metabolic process	Biological process	29	Rps3, Rpl17, Rpl27a, Rplp0, Uba1, Rps14, Rps19, Rpl35, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Sars1, Pkn3, B3gnt2, Sptbn1, Vim, Sumo2, HSP90AA1, Hsp90b1, Psmc6, Calm3, Psmd6, Myoc, Hspa9

5	GO:0010467	Gene expression	Biological process	29	Rps14, Nkap, Hdgf, Sars1, Dkc1, Rps19, Rpl35, Rps3, Rpl17, Rpl27a, Rplp0, Taf15, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Cpd, Col2a1, Vim, Tmed2, Sumo2, Chrd, Htra1, Psmc6, Hist1h2ail1
3	GO:0050794	Regulation of cellular process	Biological process	29	Rps14, Nkap, Hdgf, Sars1, Htra1, Myoc, Chrd, Pkn3, Angptl1, Taf15, Sptbn1, Rps19, Calm3, Hsp90b1, Rps4x, Dkc1, Rlc-a, Rab11a, Vim, Rps3, Sumo2, Eif2s1, Rab1a, HSP90AA1, Hspa9, Psmc6, Hist1h2ail1, Rpl17, Col2a1
2	GO:0071840	Cellular component organization or biogenesis	Biological process	29	Rplp0, Rpl34, Rps14, Rps19, Rps5, Rps25, Rab1a, Tuba1b, Dkc1, Rpl35, Htra1, Hist1h2ail1, Pkn3, Sptbn1, Tmed2, Rab11a, Actb, B3gnt2, Rlc-a, Vim, Hspa9, Tgfbi, Col2a1, Rps3, Myoc, Hsp90b1, Psmc6, Calm3, Nkap
3	GO:0051716	Cellular response to stimulus	Biological process	28	Rps19, Pkn3, Angptl1, Rps3, Uba1, Sptbn1, Nkap, Calm3, Hdgf, Myoc, Chrd, Col2a1, Hsp90b1, Psmc6, Htra1, Eif2s1, Rab1a, Rab11a, Rpl17, Rps25, Hspa9, Vim, Actb, Rplp0, Cpd, Tuba1b, Rpl35, B3gnt2
3	GO:0009058	Biosynthetic process	Biological process	27	Rps14, Nkap, Hdgf, Sars1, Rps3, Rpl17, Rpl27a, Rplp0, Taf15, Rps19, Rpl35, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, B3gnt2, Dkc1, Vim, Sumo2, Chrd, Htra1, HSP90AA1, Psmc6
4	GO:0044249	Cellular biosynthetic process	Biological process	27	Rps14, Nkap, Hdgf, Sars1, Rps3, Rpl17, Rpl27a, Rplp0, Taf15, Rps19, Rpl35, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, B3gnt2, Dkc1, Vim, Sumo2, Chrd, Htra1, HSP90AA1, Psmc6
4	GO:0034641	Cellular nitrogen compound metabolic process	Biological process	27	Rps14, Nkap, Hdgf, Sars1, Dkc1, Rps19, Rpl35, Rps3, Rpl17, Rpl27a, Rplp0, Taf15, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Cpd, Vim, Sumo2, Chrd, Htra1, HSP90AA1, Psmc6
5	GO:0044271	Cellular nitrogen compound biosynthetic process	Biological process	26	Rps14, Nkap, Hdgf, Sars1, Rps3, Rpl17, Rpl27a, Rplp0, Taf15, Rps19, Rpl35, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Dkc1, Vim, Sumo2, Chrd, Htra1, HSP90AA1, Psmc6
4	GO:1901576	Organic substance biosynthetic process	Biological process	26	Rps14, Nkap, Hdgf, Sars1, Rps3, Rpl17, Rpl27a, Rplp0, Taf15, Rps19, Rpl35, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, B3gnt2, Dkc1, Vim, Sumo2, Chrd, Htra1, Psmc6
5	GO:0034645	Cellular macromolecule biosynthetic process	Biological process	26	Rps14, Nkap, Hdgf, Sars1, Rps3, Rpl17, Rpl27a, Rplp0, Taf15, Rps19, Rpl35, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, B3gnt2, Dkc1, Vim, Sumo2, Chrd, Htra1, Psmc6
5	GO:0009059	Macromolecule biosynthetic process	Biological process	26	Rps14, Nkap, Hdgf, Sars1, Rps3, Rpl17, Rpl27a, Rplp0, Taf15, Rps19, Rpl35, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, B3gnt2, Dkc1, Vim, Sumo2, Chrd, Htra1, Psmc6
3	GO:0016043	Cellular component organization	Biological process	26	Rps14, Rps19, Rps5, Rps25, Rab1a, Tuba1b, Htra1, Hist1h2ail1, Pkn3, Sptbn1, Dkc1, Tmed2, Rab11a, Actb, B3gnt2, Rlc-a, Vim, Hspa9, Tgfbi, Col2a1, Rps3, Myoc, Hsp90b1, Psmc6, Calm3, Nkap
1	GO:0008150	Biological_process	Biological process	26	Rplp0, Rpl34, Rps14, Rps19, Rps5, Rps25, Rab1a, Rps3, Tuba1b, Calm3, Nkap, Hdgf, Sars1, Sptbn1, Dkc1, Rpl35, Col2a1, Chrd, Tgfbi, Htra1, Myoc, Hsp90b1, Tmed2, Rpl17, Rpl27a, Hspa9, Hist1h2ail1, Pkn3, Rab11a, Angptl1, Uba1, Taf15, Rps4x, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, B3gnt2, Cpd, Actb, Vim, Rlc-a, HSP90AA1, Sumo2, Psmc6, Psmc6
3	GO:0019222	Regulation of metabolic process	Biological process	23	Rps14, Nkap, Hdgf, Sars1, Taf15, Col2a1, Vim, Rps3, Tmed2, Rps4x, Sumo2, Chrd, Htra1, Eif2s1, Dkc1, Calm3, Myoc, Hsp90b1, HSP90AA1, Psmc6, Rps19, Hist1h2ail1, Rab1a
2	GO:0032501	Multicellular organismal process	Biological process	22	Col2a1, Chrd, Tgfbi, Myoc, Tmed2, Htra1, Calm3, Rps4x, Actb, B3gnt2, Rplp0, Pkn3, Rab11a, Vim, Sars1, Nkap, Rps14, Rps19, Hspa9, Rps3, Rab1a, Sptbn1
4	GO:0060255	Regulation of macromolecule metabolic process	Biological process	21	Rps14, Nkap, Hdgf, Sars1, Taf15, Col2a1, Vim, Rps3, Tmed2, Rps4x, Sumo2, Chrd, Htra1, Eif2s1, Dkc1, Calm3, Myoc, Hsp90b1, Psmc6, Hist1h2ail1, Rab1a
2	GO:0051179	Localization	Biological process	20	Rps19, Rab11a, Tmed2, Hspa9, Rab1a, Rplp0, Pkn3, Calm3, Myoc, Chrd, Hsp90b1, Hdgf, Sumo2, Sptbn1, Actb, HSP90AA1, Rlc-a, Vim, Nkap, Dkc1
2	GO:0048518	Positive regulation of biological process	Biological process	20	Chrd, Rps4x, Dkc1, Vim, Rps3, Tmed2, Rab11a, Myoc, Sumo2, Calm3, HSP90AA1, Psmc6, Hdgf, Nkap, Htra1, Rps19, Sptbn1, Rpl17, Eif2s1, Rab1a
2	GO:0048519	Negative regulation of biological process	Biological process	20	Rps14, Nkap, Hdgf, Sars1, Myoc, Hsp90b1, Calm3, Vim, Tmed2, Sumo2, Rps3, Chrd, Htra1, Eif2s1, Hspa9, Sptbn1, Rps19, Hist1h2ail1, Dkc1, Col2a1
2	GO:0032502	Developmental process	Biological process	20	Col2a1, Chrd, Tgfbi, Myoc, Tmed2, Htra1, Rps4x, Actb, B3gnt2, Vim, Eif2s1, Rplp0, Rlc-a, Sars1, Nkap, Rps14, Rps19, Hspa9, Rab11a, Rab1a
3	GO:0042221	Response to chemical	Biological process	20	Calm3, Rps19, Hspa9, B3gnt2, Vim, Rps12, Rplp0, HSP90AA1, Chrd, Hsp90b1, Psmc6, Htra1, Rps4x, Rps3, Col2a1, Cpd, Tuba1b, Actb, Myoc, Eif2s1

4	GO:0006996	Organelle organization	Biological process	19	Rps14, Rps19, Rps5, Rps25, Rab1a, Tuba1b, Hist1h2ail1, Pkn3, Sptbn1, Dkc1, Tmed2, Rab11a, Rps3, Hsp90b1, Vim, Myoc, Calm3, Actb, Nkap
5	GO:0043603	Cellular amide metabolic process	Biological process	19	Rps3, Rpl17, Rpl27a, Rplp0, Rps14, Rps19, Rpl35, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Sars1, Cpd, Vim, HSP90AA1
5	GO:0006518	Peptide metabolic process	Biological process	19	Rps3, Rpl17, Rpl27a, Rplp0, Rps14, Rps19, Rpl35, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Sars1, Vim, Cpd, HSP90AA1
4	GO:0051171	Regulation of nitrogen compound metabolic process	Biological process	19	Rps14, Nkap, Hdgf, Sars1, Taf15, Vim, Rps4x, Sumo2, Rps3, Chrd, Htra1, Eif2s1, Dkc1, Calm3, Myoc, Hsp90b1, HSP90AA1, Psmc6, Rab1a
4	GO:0031323	Regulation of cellular metabolic process	Biological process	19	Rps14, Nkap, Hdgf, Sars1, Taf15, Vim, Rps4x, Sumo2, Rps3, Chrd, Htra1, Eif2s1, Dkc1, Calm3, Myoc, Hsp90b1, HSP90AA1, Psmc6, Rab1a
3	GO:0007154	Cell communication	Biological process	19	Pkn3, Angptl1, Sptbn1, Nkap, Rps19, Calm3, Hdgf, Myoc, Chrd, Rps3, Rab1a, Htra1, Rab11a, Rpl17, Rps25, Eif2s1, Vim, Col2a1, Hsp90b1
3	GO:0048856	Anatomical structure development	Biological process	19	Col2a1, Chrd, Tgfb1, Tmed2, Htra1, Rps4x, Actb, B3gnt2, Rplp0, Rlc-a, Vim, Sars1, Myoc, Nkap, Rps14, Rps19, Hspa9, Rab11a, Rab1a
3	GO:0044085	Cellular component biogenesis	Biological process	18	Rplp0, Rpl34, Rps14, Rps19, Rps5, Rps25, Rab1a, Dkc1, Rpl35, Hist1h2ail1, Pkn3, Hspa9, Rps3, Hsp90b1, Rab11a, Psmc6, Myoc, Sptbn1
5	GO:1901566	Organonitrogen compound biosynthetic process	Biological process	18	Rps3, Rpl17, Rpl27a, Rplp0, Rps14, Rps19, Rpl35, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Sars1, B3gnt2, Vim
3	GO:0048522	Positive regulation of cellular process	Biological process	18	Chrd, Rps4x, Dkc1, Rab11a, Myoc, Vim, Rps3, Sumo2, Calm3, HSP90AA1, Psmc6, Hdgf, Nkap, Htra1, Sptbn1, Rpl17, Eif2s1, Rab1a
4	GO:0080090	Regulation of primary metabolic process	Biological process	18	Rps14, Nkap, Hdgf, Sars1, Taf15, Vim, Rps4x, Sumo2, Rps3, Chrd, Htra1, Eif2s1, Dkc1, Calm3, Myoc, Hsp90b1, Psmc6, Rab1a
6	GO:0043604	Amide biosynthetic process	Biological process	17	Rps3, Rpl17, Rpl27a, Rplp0, Rps14, Rps19, Rpl35, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Sars1, Vim
6	GO:0043043	Peptide biosynthetic process	Biological process	17	Rps3, Rpl17, Rpl27a, Rplp0, Rps14, Rps19, Rpl35, Rpl34, Rps4x, Rps5, LOC100360647, Rps12, Eif2s1, Eif1ax, Yars, Sars1, Vim
6	GO:0006412	Translation	Biological process	17	Rps3, Rpl17, Rpl27a, Rplp0, Eif1ax, Eif2s1, Rps14, Yars, Sars1, Vim, Rps4x, Rps19, Rpl35, Rpl34, Rps5, LOC100360647, Rps12
5	GO:0010468	Regulation of gene expression	Biological process	17	Rps14, Nkap, Hdgf, Sars1, Taf15, Vim, Rps3, Tmed2, Rps4x, Sumo2, Chrd, Htra1, Eif2s1, Psmc6, Hist1h2ail1, Dkc1, Col2a1
3	GO:0048523	Negative regulation of cellular process	Biological process	17	Rps14, Nkap, Hdgf, Sars1, Myoc, Hsp90b1, Calm3, Vim, Sumo2, Rps3, Chrd, Htra1, Eif2s1, Hspa9, Sptbn1, Dkc1, Col2a1
3	GO:0007275	Multicellular organism development	Biological process	17	Col2a1, Chrd, Tgfb1, Tmed2, Htra1, Actb, B3gnt2, Rplp0, Vim, Sars1, Myoc, Nkap, Rps14, Rps19, Hspa9, Rab11a, Rps4x
4	GO:0010033	Response to organic substance	Biological process	17	Calm3, Hspa9, Rps12, Chrd, Hsp90b1, Psmc6, Htra1, Vim, Rps4x, Col2a1, Rplp0, Cpd, Tuba1b, Rps3, Actb, Myoc, B3gnt2
3	GO:0065008	Regulation of biological quality	Biological process	16	Col2a1, Calm3, Rps5, Dkc1, Rplp0, Rlc-a, Rab11a, Cpd, Rps14, Rps19, Hspa9, Rab1a, Vim, HSP90AA1, Sptbn1, Myoc
4	GO:0048731	System development	Biological process	16	Col2a1, Chrd, Tgfb1, Tmed2, Htra1, Actb, B3gnt2, Rplp0, Vim, Sars1, Myoc, Nkap, Rps14, Rps19, Hspa9, Rab11a
4	GO:1901360	Organic cyclic compound metabolic process	Biological process	15	Rps14, Nkap, Hdgf, Sars1, Dkc1, Rps19, Rpl35, Rps3, Taf15, Yars, Sumo2, Chrd, Htra1, Vim, Psmc6
4	GO:0046483	Heterocycle metabolic process	Biological process	15	Rps14, Nkap, Hdgf, Sars1, Dkc1, Rps19, Rpl35, Rps3, Taf15, Yars, Sumo2, Chrd, Htra1, Vim, Psmc6
4	GO:0006725	Cellular aromatic compound metabolic process	Biological process	15	Rps14, Nkap, Hdgf, Sars1, Dkc1, Rps19, Rpl35, Rps3, Taf15, Yars, Sumo2, Chrd, Htra1, Vim, Psmc6
4	GO:0006139	Nucleobase-containing compound metabolic process	Biological process	15	Rps14, Nkap, Hdgf, Sars1, Dkc1, Rps19, Rpl35, Rps3, Taf15, Yars, Sumo2, Chrd, Htra1, Vim, Psmc6
4	GO:0009889	Regulation of biosynthetic process	Biological process	15	Rps14, Nkap, Hdgf, Sars1, Taf15, Vim, Rps4x, Sumo2, Rps3, Chrd, Htra1, Eif2s1, Dkc1, HSP90AA1, Psmc6
5	GO:0031326	Regulation of cellular biosynthetic process	Biological process	15	Rps14, Nkap, Hdgf, Sars1, Taf15, Vim, Rps4x, Sumo2, Rps3, Chrd, Htra1, Eif2s1, Dkc1, HSP90AA1, Psmc6
5	GO:0090304	Nucleic acid metabolic process	Biological process	15	Rps14, Nkap, Hdgf, Sars1, Dkc1, Rps19, Rpl35, Rps3, Taf15, Yars, Sumo2, Chrd, Htra1, Vim, Psmc6
6	GO:0016070	RNA metabolic process	Biological process	15	Rps14, Nkap, Hdgf, Sars1, Dkc1, Rps19, Rpl35, Rps3, Taf15, Yars, Sumo2, Chrd, Htra1, Vim, Psmc6
2	GO:0023052	Signaling	Biological process	15	Pkn3, Angptl1, Sptbn1, Nkap, Rps19, Calm3, Hdgf, Myoc, Chrd, Rps3, Rab1a, Htra1, Rab11a, Vim, Col2a1

3	GO:0007165	Signal transduction	Biological process	15	Angptl1, Sptbn1, Nkap, Rps19, Calm3, Hdgf, Myoc, Chrd, Rps3, Htra1, Rab1a, Rab11a, Vim, Col2a1, Pkn3
3	GO:0048869	Cellular developmental process	Biological process	15	Myoc, Chrd, Tgfb1, Col2a1, Actb, B3gnt2, Rlc-a, Vim, Rps14, Rps19, Hspa9, Nkap, Rab11a, Rab1a, Htra1
4	GO:0070887	Cellular response to chemical stimulus	Biological process	15	Rps19, Chrd, Htra1, Hspa9, Vim, Rps3, Hsp90b1, Col2a1, Rplp0, Cpd, Tuba1b, Actb, Myoc, Eif2s1, B3gnt2
4	GO:0022607	Cellular component assembly	Biological process	14	Rps14, Rps19, Rps5, Rps25, Rab1a, Hist1h2ail1, Pkn3, Hspa9, Rps3, Hsp90b1, Rab11a, Psmc6, Myoc, Sptbn1
3	GO:0006950	Response to stress	Biological process	14	Hsp90b1, Hspa9, Rab1a, Rps3, Uba1, Rps19, HSP90AA1, Psmc6, Eif2s1, Rpl17, Rps25, Actb, Vim, Htra1
5	GO:0010556	Regulation of macromolecule biosynthetic process	Biological process	14	Rps14, Nkap, Hdgf, Sars1, Taf15, Vim, Rps4x, Sumo2, Rps3, Chrd, Htra1, Eif2s1, Dkc1, Psmc6
6	GO:2000112	Regulation of cellular macromolecule biosynthetic process	Biological process	14	Rps14, Nkap, Hdgf, Sars1, Taf15, Vim, Rps4x, Sumo2, Rps3, Chrd, Htra1, Eif2s1, Dkc1, Psmc6
4	GO:0030154	Cell differentiation	Biological process	14	Myoc, Chrd, Tgfb1, Col2a1, Actb, B3gnt2, Vim, Rps14, Rps19, Hspa9, Nkap, Rab11a, Rab1a, Htra1
3	GO:0033036	Macromolecule localization	Biological process	13	Hspa9, Rab1a, Rab11a, Tmed2, Hsp90b1, Hdgf, Sumo2, Sptbn1, HSP90AA1, Rlc-a, Calm3, Nkap, Dkc1
4	GO:0008104	Protein localization	Biological process	13	Hspa9, Rab1a, Rab11a, Tmed2, Hsp90b1, Hdgf, Sumo2, Sptbn1, HSP90AA1, Rlc-a, Calm3, Nkap, Dkc1
5	GO:0043412	Macromolecule modification	Biological process	13	Dkc1, Uba1, Pkn3, B3gnt2, Sptbn1, Sumo2, HSP90AA1, Rps3, Calm3, Myoc, Hsp90b1, Hspa9, Eif2s1
4	GO:0048513	Animal organ development	Biological process	13	Col2a1, Htra1, Tmed2, Tgfb1, Rplp0, Chrd, Nkap, Rps14, Rps19, Hspa9, Vim, Actb, Myoc
5	GO:0071310	Cellular response to organic substance	Biological process	13	Chrd, Htra1, Hspa9, Vim, Col2a1, Hsp90b1, Rplp0, Cpd, Tuba1b, Rps3, Actb, Myoc, B3gnt2
3	GO:0009653	Anatomical structure morphogenesis	Biological process	13	Col2a1, Tgfb1, Chrd, Tmed2, Actb, B3gnt2, Rlc-a, Sars1, Rab1a, Rab11a, Vim, Htra1, Myoc
3	GO:0051641	Cellular localization	Biological process	12	Tmed2, Hspa9, Rab1a, Rab11a, Calm3, Hsp90b1, Hdgf, Sumo2, Sptbn1, Rlc-a, Nkap, Dkc1
3	GO:0009893	Positive regulation of metabolic process	Biological process	12	Vim, Rps3, Tmed2, Rps4x, Dkc1, Sumo2, Calm3, HSP90AA1, Psmc6, Hdgf, Rps19, Rab1a
4	GO:0070727	Cellular macromolecule localization	Biological process	12	Hspa9, Rab1a, Rab11a, Tmed2, Hsp90b1, Hdgf, Sumo2, Sptbn1, Rlc-a, Calm3, Nkap, Dkc1
5	GO:0034613	Cellular protein localization	Biological process	12	Hspa9, Rab1a, Rab11a, Tmed2, Hsp90b1, Hdgf, Sptbn1, Rlc-a, Calm3, Nkap, Dkc1, Sumo2
5	GO:0019219	Regulation of nucleobase-containing compound metabolic process	Biological process	12	Rps14, Nkap, Hdgf, Sars1, Taf15, Sumo2, Chrd, Htra1, Rps3, Dkc1, Vim, Psmc6
5	GO:0036211	Protein modification process	Biological process	12	Uba1, Pkn3, B3gnt2, Sptbn1, Sumo2, HSP90AA1, Rps3, Calm3, Myoc, Hsp90b1, Hspa9, Eif2s1
6	GO:0006464	Cellular protein modification process	Biological process	12	Uba1, Pkn3, B3gnt2, Sptbn1, Sumo2, HSP90AA1, Rps3, Calm3, Myoc, Hsp90b1, Hspa9, Eif2s1
5	GO:0051252	Regulation of rna metabolic process	Biological process	12	Rps14, Nkap, Hdgf, Sars1, Taf15, Sumo2, Chrd, Htra1, Vim, Psmc6, Rps3, Dkc1
3	GO:0009605	Response to external stimulus	Biological process	12	Rps19, Rab1a, Actb, Col2a1, B3gnt2, Vim, Rpl17, Rps25, Eif2s1, Htra1, Hspa9, Hsp90b1
3	GO:0051234	Establishment of localization	Biological process	11	Rab11a, Tmed2, Hspa9, Rab1a, Rplp0, Calm3, Hsp90b1, Sptbn1, HSP90AA1, Nkap, Dkc1
3	GO:0009892	Negative regulation of metabolic process	Biological process	11	Rps14, Nkap, Hdgf, Sars1, Sumo2, Rps3, Eif2s1, Vim, Rps19, Hist1h2ail1, Dkc1
4	GO:0043933	Protein-containing complex subunit organization	Biological process	11	Rps14, Rps19, Rps5, Rps25, Hist1h2ail1, Pkn3, Col2a1, Rps3, Psmc6, Sptbn1,
5	GO:0051246	Regulation of protein metabolic process	Biological process	11	Rps14, Vim, Rps4x, Rps3, Eif2s1, Sumo2, Calm3, Myoc, Hsp90b1, Psmc6, Rab1a
4	GO:0051128	Regulation of cellular component organization	Biological process	11	Htra1, Rlc-a, Vim, Rps3, Dkc1, Rab11a, Psmc6, Myoc, Sptbn1, Calm3, Nkap
5	GO:1901362	Organic cyclic compound biosynthetic process	Biological process	11	Rps14, Nkap, Hdgf, Sars1, Rps3, Taf15, Dkc1, Sumo2, Chrd, Htra1, Psmc6
5	GO:0018130	Heterocycle biosynthetic process	Biological process	11	Rps14, Nkap, Hdgf, Sars1, Rps3, Taf15, Dkc1, Sumo2, Chrd, Htra1, Psmc6
5	GO:0019438	Aromatic compound biosynthetic process	Biological process	11	Rps14, Nkap, Hdgf, Sars1, Rps3, Taf15, Dkc1, Sumo2, Chrd, Htra1, Psmc6
5	GO:0034654	Nucleobase-containing compound biosynthetic process	Biological process	11	Rps14, Nkap, Hdgf, Sars1, Rps3, Taf15, Dkc1, Sumo2, Chrd, Htra1, Psmc6
4	GO:0006810	Transport	Biological process	10	Rab11a, Tmed2, Hspa9, Rab1a, Rplp0, Calm3, Hsp90b1, Sptbn1, HSP90AA1,
4	GO:0045184	Establishment of protein localization	Biological process	10	Hspa9, Rab1a, Rab11a, Tmed2, Hsp90b1, Sptbn1, HSP90AA1, Calm3, Nkap, Dkc1
4	GO:0051173	Positive regulation of nitrogen compound metabolic process	Biological process	10	Vim, Rps4x, Rps3, Dkc1, Sumo2, Calm3, HSP90AA1, Psmc6, Hdgf, Rab1a

4	GO:0010604	Positive regulation of macromolecule metabolic process	Biological process	10	Vim, Rps3, Tmed2, Rps4x, Dkc1, Sumo2, Calm3, Psmc6, Hdgf, Rab1a
5	GO:0065003	Protein-containing complex assembly	Biological process	10	Rps14, Rps19, Rps5, Rps25, Hist1h2ail1, Pkn3, Rps3, Psmc6, Sptbn1, Rab1a
4	GO:0031325	Positive regulation of cellular metabolic process	Biological process	10	Vim, Rps4x, Rps3, Dkc1, Sumo2, Calm3, HSP90AA1, Psmc6, Hdgf, Rab1a
6	GO:0034622	Cellular protein-containing complex assembly	Biological process	10	Rps14, Rps19, Rps5, Rps25, Hist1h2ail1, Pkn3, Rps3, Psmc6, Sptbn1, Rab1a
4	GO:0010605	Negative regulation of macromolecule metabolic process	Biological process	10	Rps14, Nkap, Hdgf, Sars1, Sumo2, Rps3, Eif2s1, Vim, Hist1h2ail1, Dkc1
5	GO:0032268	Regulation of cellular protein metabolic process	Biological process	10	Rps14, Vim, Rps4x, Rps3, Eif2s1, Sumo2, Calm3, Myoc, Hsp90b1, Psmc6
3	GO:0051239	Regulation of multicellular organismal process	Biological process	10	Calm3, Rab11a, Vim, Sars1, Chrd, Rps3, Hspa9, Nkap, Rps19, Sptbn1
6	GO:2001141	Regulation of RNA biosynthetic process	Biological process	10	Rps14, Nkap, Hdgf, Sars1, Taf15, Sumo2, Chrd, Htra1, Psmc6, Rps3
6	GO:0006351	Transcription, DNA-templated	Biological process	10	Rps14, Nkap, Hdgf, Sars1, Taf15, Sumo2, Chrd, Htra1, Psmc6, Rps3
6	GO:0032774	RNA biosynthetic process	Biological process	10	Rps14, Nkap, Hdgf, Sars1, Rps3, Taf15, Sumo2, Chrd, Htra1, Psmc6
6	GO:0006355	Regulation of transcription, DNA-templated	Biological process	10	Rps14, Nkap, Hdgf, Sars1, Sumo2, Chrd, Htra1, Psmc6, Rps3, Taf15
7	GO:1903506	Regulation of nucleic acid-templated transcription	Biological process	10	Rps14, Nkap, Hdgf, Sars1, Taf15, Sumo2, Chrd, Htra1, Psmc6, Rps3
7	GO:0097659	Nucleic acid-templated transcription	Biological process	10	Rps14, Nkap, Hdgf, Sars1, Rps3, Taf15, Sumo2, Chrd, Htra1, Psmc6
3	GO:0009719	Response to endogenous stimulus	Biological process	10	Chrd, Htra1, Vim, Hsp90b1, Rplp0, Col2a1, Actb, Hspa9, Rps3, Myoc
4	GO:0007166	Cell surface receptor signaling pathway	Biological process	10	Angptl1, Sptbn1, Nkap, Rps19, Chrd, Rps3, Htra1, Myoc, Vim, Col2a1
3	GO:0009056	Catabolic process	Biological process	9	Rab1a, Uba1, Hsp90b1, Psmc6, Sumo2, Psm6, Vim, HSP90AA1, Dkc1
4	GO:0044248	Cellular catabolic process	Biological process	9	Rab1a, Uba1, Hsp90b1, Psmc6, Sumo2, Psm6, Vim, HSP90AA1, Dkc1
3	GO:0065009	Regulation of molecular function	Biological process	9	Calm3, Hdgf, Tmed2, Rps3, Actb, Hsp90b1, Psm6, Dkc1, Eif2s1
5	GO:0010629	Negative regulation of gene expression	Biological process	9	Rps14, Nkap, Hdgf, Sars1, Sumo2, Rps3, Eif2s1, Vim, Hist1h2ail1
4	GO:0006793	Phosphorus metabolic process	Biological process	9	Pkn3, Sptbn1, HSP90AA1, Calm3, Myoc, Rps3, Hsp90b1, Hspa9, Eif2s1
5	GO:0006796	Phosphate-containing compound metabolic process	Biological process	9	Pkn3, Sptbn1, HSP90AA1, Calm3, Myoc, Rps3, Hsp90b1, Hspa9, Eif2s1
3	GO:0050793	Regulation of developmental process	Biological process	9	Rlc-a, Vim, Sars1, Chrd, Hspa9, Rab11a, Nkap, Rps19, Myoc
3	GO:0006928	Movement of cell or subcellular component	Biological process	9	Rps19, B3gnt2, Pkn3, Rab11a, Rab1a, Myoc, Chrd, Actb, Vim
2	GO:0040011	Locomotion	Biological process	9	Rps19, B3gnt2, Pkn3, Rab11a, Rab1a, Myoc, Chrd, Actb, Vim
4	GO:0071495	Cellular response to endogenous stimulus	Biological process	9	Chrd, Htra1, Vim, Hsp90b1, Rplp0, Col2a1, Actb, Rps3, Myoc
4	GO:1901575	Organic substance catabolic process	Biological process	8	Uba1, Hsp90b1, Psmc6, Sumo2, Psm6, Vim, HSP90AA1, Dkc1
5	GO:0071702	Organic substance transport	Biological process	8	Hspa9, Rab1a, Rab11a, Tmed2, Hsp90b1, Sptbn1, HSP90AA1, Nkap
5	GO:0071705	Nitrogen compound transport	Biological process	8	Hspa9, Rab1a, Rab11a, Tmed2, Hsp90b1, Sptbn1, HSP90AA1, Nkap
6	GO:0042886	Amide transport	Biological process	8	Hspa9, Rab1a, Rab11a, Tmed2, Hsp90b1, Sptbn1, HSP90AA1, Nkap
5	GO:0015031	Protein transport	Biological process	8	Hspa9, Rab1a, Rab11a, Tmed2, Hsp90b1, Sptbn1, HSP90AA1, Nkap
6	GO:0015833	Peptide transport	Biological process	8	Hspa9, Rab1a, Rab11a, Tmed2, Hsp90b1, Sptbn1, HSP90AA1, Nkap
5	GO:0009057	Macromolecule catabolic process	Biological process	8	Uba1, Hsp90b1, Psmc6, Sumo2, Psm6, Vim, HSP90AA1, Dkc1
4	GO:0051172	Negative regulation of nitrogen compound metabolic process	Biological process	8	Rps14, Nkap, Hdgf, Sars1, Sumo2, Rps3, Eif2s1, Dkc1
4	GO:0031324	Negative regulation of cellular metabolic process	Biological process	8	Rps14, Nkap, Hdgf, Sars1, Sumo2, Rps3, Eif2s1, Dkc1
4	GO:0033554	Cellular response to stress	Biological process	8	Rps3, Uba1, Hsp90b1, Psmc6, Eif2s1, Rpl17, Rps25, Hspa9
4	GO:0022613	Ribonucleoprotein complex biogenesis	Biological process	8	Rplp0, Rpl34, Rps14, Rps19, Rps5, Rps25, Dkc1, Rpl35
5	GO:0042254	Ribosome biogenesis	Biological process	8	Rps14, Rps19, Rps5, Rps25, Dkc1, Rpl35, Rplp0, Rpl34
4	GO:1901698	Response to nitrogen compound	Biological process	8	Calm3, Rps12, Hsp90b1, Psmc6, Hspa9, Rplp0, Col2a1, Actb
4	GO:1901700	Response to oxygen-containing compound	Biological process	8	Vim, Rps4x, Hspa9, Rps3, Col2a1, Hsp90b1, Rplp0, Actb
5	GO:0010243	Response to organonitrogen compound	Biological process	8	Calm3, Hsp90b1, Psmc6, Hspa9, Rplp0, Col2a1, Actb, Rps12
4	GO:0042493	Response to drug	Biological process	8	Calm3, Rps4x, Hspa9, Rps3, Col2a1, Hsp90b1, Actb, Rplp0
3	GO:0009628	Response to abiotic stimulus	Biological process	8	Hsp90b1, Actb, Col2a1, Vim, HSP90AA1, Hspa9, Eif2s1, Rpl35
3	GO:0032879	Regulation of localization	Biological process	8	Rab11a, Calm3, Myoc, Chrd, Sptbn1, Vim, Nkap, Dkc1
5	GO:0006508	Proteolysis	Biological process	8	Cpd, Uba1, Hsp90b1, Psmc6, Sumo2, Psm6, Rps3, Htra1
3	GO:0048870	Cell motility	Biological process	8	Rps19, Pkn3, Rab11a, Rab1a, Myoc, Chrd, Vim, Actb
3	GO:0051674	Localization of cell	Biological process	8	Rps19, Pkn3, Rab11a, Rab1a, Myoc, Chrd, Actb, Vim
7	GO:0006366	Transcription by RNA polymerase II	Biological process	8	Rps14, Nkap, Hdgf, Sars1, Chrd, Htra1, Psmc6, Sumo2
7	GO:0006357	Regulation of transcription by RNA polymerase II	Biological process	8	Rps14, Nkap, Hdgf, Sars1, Chrd, Htra1, Psmc6, Sumo2
2	GO:0008283	Cell proliferation	Biological process	8	Chrd, Rps4x, Dkc1, Rps3, Htra1, Vim, Nkap, Tgfb1
5	GO:0034097	Response to cytokine	Biological process	8	Vim, Hspa9, Cpd, Tuba1b, Rplp0, Rps3, Col2a1, B3gnt2
6	GO:0071345	Cellular response to cytokine stimulus	Biological process	8	Vim, Hspa9, Cpd, Tuba1b, Rplp0, Rps3, Col2a1, B3gnt2
3	GO:0023051	Regulation of signaling	Biological process	8	Hdgf, Myoc, Chrd, Rps3, Htra1, Rab11a, Calm3, Col2a1
3	GO:0048583	Regulation of response to stimulus	Biological process	8	Hdgf, Myoc, Chrd, Rps3, Htra1, Rps19, Calm3, Col2a1
4	GO:0010646	Regulation of cell communication	Biological process	8	Hdgf, Myoc, Chrd, Rps3, Htra1, Rab11a, Calm3, Col2a1
5	GO:0007399	Nervous system development	Biological process	8	Tmed2, Actb, B3gnt2, Col2a1, Chrd, Vim, Myoc, Rab11a
4	GO:0051649	Establishment of localization in cell	Biological process	7	Tmed2, Hspa9, Rab1a, Rab11a, Calm3, Hsp90b1, Nkap
4	GO:0046907	Intracellular transport	Biological process	7	Hspa9, Rab1a, Rab11a, Tmed2, Hsp90b1, Nkap, Calm3
4	GO:0009891	Positive regulation of biosynthetic process	Biological process	7	Vim, Rps4x, Dkc1, HSP90AA1, Psmc6, Sumo2, Hdgf

5	GO:0051247	Positive regulation of protein metabolic process	Biological process	7	Vim, Rps4x, Sumo2, Calm3, Rps3, Psmc6, Rab1a
5	GO:0044265	Cellular macromolecule catabolic process	Biological process	7	Uba1, Hsp90b1, Psmc6, Sumo2, Psm6, Vim, Dkc1
5	GO:0031328	Positive regulation of cellular biosynthetic process	Biological process	7	Vim, Rps4x, Dkc1, HSP90AA1, Psmc6, Sumo2, Hdgf
5	GO:0010628	Positive regulation of gene expression	Biological process	7	Vim, Rps4x, Psmc6, Sumo2, Hdgf, Rps3, Tmed2
5	GO:0070925	Organelle assembly	Biological process	7	Rps14, Rps19, Rps5, Rps25, Rab1a, Rab11a, Rps3
4	GO:0009890	Negative regulation of biosynthetic process	Biological process	7	Rps14, Nkap, Hdgf, Sars1, Sumo2, Rps3, Eif2s1
5	GO:0045934	Negative regulation of nucleobase-containing compound metabolic process	Biological process	7	Rps14, Nkap, Hdgf, Sars1, Sumo2, Rps3, Dkc1
5	GO:0010558	Negative regulation of macromolecule biosynthetic process	Biological process	7	Rps14, Nkap, Hdgf, Sars1, Sumo2, Rps3, Eif2s1
5	GO:0031327	Negative regulation of cellular biosynthetic process	Biological process	7	Rps14, Nkap, Hdgf, Sars1, Sumo2, Rps3, Eif2s1
6	GO:2000113	Negative regulation of cellular macromolecule biosynthetic process	Biological process	7	Rps14, Nkap, Hdgf, Sars1, Sumo2, Rps3, Eif2s1
2	GO:0002376	Immune system process	Biological process	7	Rps19, Rps3, Nkap, Rps14, Hspa9, Htra1, Vim
5	GO:0007010	Cytoskeleton organization	Biological process	7	Tuba1b, Rab11a, Rps3, Hsp90b1, Vim, Myoc, Sptbn1, Actb
4	GO:0009991	Response to extracellular stimulus	Biological process	7	Vim, Rpl17, Rps25, Eif2s1, Hspa9, Col2a1, Hsp90b1
5	GO:0031667	Response to nutrient levels	Biological process	7	Vim, Rpl17, Rps25, Eif2s1, Hspa9, Col2a1, Hsp90b1
6	GO:0016310	Phosphorylation	Biological process	7	Pkn3, Sptbn1, HSP90AA1, Myoc, Rps3, Hspa9, Eif2s1
7	GO:0006468	Protein phosphorylation	Biological process	7	Sptbn1, HSP90AA1, Myoc, Rps3, Hspa9, Eif2s1, Pkn3
4	GO:0016477	Cell migration	Biological process	7	Rps19, Pkn3, Rab11a, Myoc, Chrd, Vim, Rab1a
4	GO:0042592	Homeostatic process	Biological process	7	Col2a1, Dkc1, Calm3, Rps14, Rps19, Hspa9, Myoc
4	GO:0048468	Cell development	Biological process	7	Actb, B3gnt2, Vim, Myoc, Rab11a, Rab1a, Rps19
4	GO:0032989	Cellular component morphogenesis	Biological process	7	Actb, B3gnt2, Rlc-a, Rab1a, Rab11a, Vim, Myoc
5	GO:0000902	Cell morphogenesis	Biological process	7	Actb, B3gnt2, Rlc-a, Rab1a, Rab11a, Vim, Myoc
4	GO:0045595	Regulation of cell differentiation	Biological process	7	Vim, Hspa9, Chrd, Rab11a, Nkap, Rps19, Myoc
4	GO:0097435	Supramolecular fiber organization	Biological process	7	Col2a1, Rab11a, Rps3, Hsp90b1, Vim, Myoc, Sptbn1
4	GO:0009966	Regulation of signal transduction	Biological process	7	Hdgf, Myoc, Chrd, Rps3, Htra1, Calm3, Col2a1
3	GO:0048585	Negative regulation of response to stimulus	Biological process	7	Chrd, Htra1, Myoc, Rps3, Rps19, Calm3, Col2a1
4	GO:0050790	Regulation of catalytic activity	Biological process	6	Calm3, Tmed2, Rps3, Hsp90b1, Dkc1, Psm6
5	GO:1901565	Organonitrogen compound catabolic process	Biological process	6	Uba1, Hsp90b1, Psmc6, Sumo2, Psm6, HSP90AA1
5	GO:0010557	Positive regulation of macromolecule biosynthetic process	Biological process	6	Vim, Rps4x, Dkc1, Psmc6, Sumo2, Hdgf
5	GO:0032270	Positive regulation of cellular protein metabolic process	Biological process	6	Vim, Rps4x, Sumo2, Calm3, Rps3, Psmc6
5	GO:0030163	Protein catabolic process	Biological process	6	Uba1, Hsp90b1, Psmc6, Sumo2, Psm6, HSP90AA1
5	GO:0006886	Intracellular protein transport	Biological process	6	Hspa9, Hsp90b1, Rab11a, Nkap, Rab1a, Tmed2
3	GO:0007049	Cell cycle	Biological process	6	Calm3, Tuba1b, Sptbn1, Rab11a, Rps3, Rpl17
3	GO:0051240	Positive regulation of multicellular organismal process	Biological process	6	Rab11a, Rps3, Nkap, Vim, Rps19, Sptbn1
5	GO:0051253	Negative regulation of RNA metabolic process	Biological process	6	Rps14, Nkap, Hdgf, Sars1, Sumo2, Dkc1
6	GO:0010608	Posttranscriptional regulation of gene expression	Biological process	6	Rps14, Vim, Rps4x, Rps3, Eif2s1, Dkc1
7	GO:0034660	NcRNA metabolic process	Biological process	6	Dkc1, Rps14, Rps19, Rpl35, Yars, Sars1
4	GO:0010035	Response to inorganic substance	Biological process	6	Calm3, Vim, Rplp0, Rps3, Hsp90b1, Eif2s1
4	GO:0051130	Positive regulation of cellular component organization	Biological process	6	Rps3, Dkc1, Rab11a, Psmc6, Myoc, Nkap
4	GO:2000026	Regulation of multicellular organismal development	Biological process	6	Vim, Sars1, Chrd, Hspa9, Rab11a, Nkap
5	GO:0014070	Response to organic cyclic compound	Biological process	6	Vim, Hspa9, Col2a1, Hsp90b1, Rplp0, Actb
4	GO:0009636	Response to toxic substance	Biological process	6	Calm3, Rps4x, Rps3, Col2a1, Actb, Hspa9
5	GO:0000904	Cell morphogenesis involved in differentiation	Biological process	6	Actb, B3gnt2, Rab1a, Rab11a, Vim, Myoc
3	GO:0042127	Regulation of cell proliferation	Biological process	6	Chrd, Rps4x, Dkc1, Rps3, Htra1, Vim
3	GO:0008284	Positive regulation of cell proliferation	Biological process	6	Chrd, Rps3, Htra1, Vim, Rps4x, Dkc1
2	GO:0022610	Biological adhesion	Biological process	6	Myoc, Tgfb1, Rab1a, Rps3, Chrd, Nkap
3	GO:0007155	Cell adhesion	Biological process	6	Myoc, Rab1a, Rps3, Chrd, Nkap, Tgfb1
5	GO:0007167	Enzyme linked receptor protein signaling pathway	Biological process	6	Angptl1, Sptbn1, Chrd, Htra1, Myoc, Vim
5	GO:0070848	Response to growth factor	Biological process	6	Chrd, Htra1, Vim, Col2a1, Rps3, Myoc
6	GO:0071363	Cellular response to growth factor stimulus	Biological process	6	Chrd, Htra1, Vim, Col2a1, Rps3, Myoc
3	GO:0048646	Anatomical structure formation involved in morphogenesis	Biological process	6	Tgfb1, Chrd, Tmed2, Sars1, Col2a1, Htra1
6	GO:0044257	Cellular protein catabolic process	Biological process	5	Uba1, Hsp90b1, Psmc6, Sumo2, Psm6
4	GO:0060341	Regulation of cellular localization	Biological process	5	Calm3, Sptbn1, Rab11a, Nkap, Dkc1
5	GO:0016192	Vesicle-mediated transport	Biological process	5	Tmed2, Rab11a, Rab1a, Sptbn1, Calm3
6	GO:0033365	Protein localization to organelle	Biological process	5	Hdgf, Rab11a, Calm3, Nkap, Dkc1
5	GO:0045935	Positive regulation of nucleobase-containing compound metabolic process	Biological process	5	Rps3, Dkc1, Psmc6, Sumo2, Hdgf

6	GO:0043632	Modification-dependent macromolecule catabolic process	Biological process	5	Uba1, Hsp90b1, Psmc6, Sumo2, Psm6
6	GO:0051603	Proteolysis involved in cellular protein catabolic process	Biological process	5	Uba1, Hsp90b1, Psmc6, Sumo2, Psm6
7	GO:0019941	Modification-dependent protein catabolic process	Biological process	5	Uba1, Hsp90b1, Psmc6, Sumo2, Psm6
8	GO:0006511	Ubiquitin-dependent protein catabolic process	Biological process	5	Hsp90b1, Psmc6, Sumo2, Psm6, Uba1
5	GO:0046903	Secretion	Biological process	5	Rab11a, Rplp0, Rab1a, Sptbn1, Calm3
3	GO:0022402	Cell cycle process	Biological process	5	Calm3, Sptbn1, Rab11a, Rps3, Rpl17
5	GO:0034248	Regulation of cellular amide metabolic process	Biological process	5	Rps14, Vim, Rps4x, Rps3, Eif2s1
6	GO:0006417	Regulation of translation	Biological process	5	Vim, Rps4x, Rps3, Eif2s1, Rps14
4	GO:0000278	Mitotic cell cycle	Biological process	5	Calm3, Sptbn1, Rab11a, Rpl17, Tuba1b
6	GO:1902679	Negative regulation of RNA biosynthetic process	Biological process	5	Rps14, Nkap, Hdgf, Sars1, Sumo2
6	GO:0045892	Negative regulation of transcription, DNA-templated	Biological process	5	Rps14, Nkap, Hdgf, Sars1, Sumo2
7	GO:1903507	Negative regulation of nucleic acid-templated transcription	Biological process	5	Rps14, Nkap, Hdgf, Sars1, Sumo2
6	GO:0072657	Protein localization to membrane	Biological process	5	Sptbn1, Rab11a, Tmed2, Rlc-a, Calm3
2	GO:0051704	Multi-organism process	Biological process	5	Tmed2, Rab1a, Rps19, Vim, Htra1
5	GO:0033043	Regulation of organelle organization	Biological process	5	Rps3, Dkc1, Myoc, Sptbn1, Nkap
3	GO:0008219	Cell death	Biological process	5	Rps3, Hsp90b1, Hspa9, Eif2s1, Col2a1
3	GO:0002682	Regulation of immune system process	Biological process	5	Rps3, Hspa9, Nkap, Htra1, Rps19
4	GO:0010941	Regulation of cell death	Biological process	5	Hsp90b1, Rps3, Hspa9, Eif2s1, Col2a1
4	GO:0035556	Intracellular signal transduction	Biological process	5	Calm3, Myoc, Rab1a, Rab11a, Rps3
4	GO:0061024	Membrane organization	Biological process	5	Sptbn1, Myoc, Rab1a, Calm3, Rab11a
6	GO:0031399	Regulation of protein modification process	Biological process	5	Rps3, Calm3, Sumo2, Myoc, Hsp90b1
3	GO:0051241	Negative regulation of multicellular organismal process	Biological process	5	Vim, Sars1, Chrd, Hspa9, Rps19
4	GO:0022603	Regulation of anatomical structure morphogenesis	Biological process	5	Rlc-a, Sars1, Rab11a, Vim, Myoc
5	GO:1901701	Cellular response to oxygen-containing compound	Biological process	5	Rps3, Col2a1, Hsp90b1, Rplp0, Actb
4	GO:0031668	Cellular response to extracellular stimulus	Biological process	5	Rpl17, Rps25, Eif2s1, Col2a1, Hsp90b1
4	GO:0071496	Cellular response to external stimulus	Biological process	5	Col2a1, Rpl17, Rps25, Eif2s1, Hsp90b1
5	GO:0031669	Cellular response to nutrient levels	Biological process	5	Rpl17, Rps25, Eif2s1, Col2a1, Hsp90b1
5	GO:0035690	Cellular response to drug	Biological process	5	Rps3, Col2a1, Hsp90b1, Actb, Rplp0
5	GO:0022008	Neurogenesis	Biological process	5	Actb, B3gnt2, Vim, Myoc, Rab11a
4	GO:0030030	Cell projection organization	Biological process	5	Actb, B3gnt2, Vim, Myoc, Rab11a
5	GO:0120036	Plasma membrane bounded cell projection organization	Biological process	5	Actb, B3gnt2, Vim, Myoc, Rab11a
6	GO:0048699	Generation of neurons	Biological process	5	Actb, B3gnt2, Vim, Myoc, Rab11a
2	GO:0040007	Growth	Biological process	5	Htra1, Col2a1, Tmed2, Vim, Rab11a
5	GO:0030182	Neuron differentiation	Biological process	5	Actb, B3gnt2, Vim, Myoc, Rab11a
5	GO:0048666	Neuron development	Biological process	5	Actb, B3gnt2, Vim, Myoc, Rab11a
6	GO:0031175	Neuron projection development	Biological process	5	Actb, B3gnt2, Vim, Rab11a, Myoc
4	GO:0009888	Tissue development	Biological process	5	Col2a1, Chrd, Tmed2, Tgfb1, Vim
3	GO:0023057	Negative regulation of signaling	Biological process	5	Chrd, Htra1, Myoc, Calm3, Col2a1
4	GO:0010648	Negative regulation of cell communication	Biological process	5	Chrd, Htra1, Myoc, Calm3, Col2a1
4	GO:0009968	Negative regulation of signal transduction	Biological process	5	Chrd, Htra1, Myoc, Calm3, Col2a1
4	GO:0051049	Regulation of transport	Biological process	4	Calm3, Rab11a, Sptbn1, Nkap
4	GO:0032880	Regulation of protein localization	Biological process	4	Rab11a, Sptbn1, Nkap, Dkc1
5	GO:0070201	Regulation of establishment of protein localization	Biological process	4	Rab11a, Sptbn1, Nkap, Dkc1
3	GO:1903829	Positive regulation of cellular protein localization	Biological process	4	Rab11a, Sptbn1, Nkap, Dkc1
5	GO:1903827	Regulation of cellular protein localization	Biological process	4	Sptbn1, Rab11a, Nkap, Dkc1
5	GO:0072594	Establishment of protein localization to organelle	Biological process	4	Calm3, Nkap, Dkc1, Rab11a
4	GO:0009894	Regulation of catabolic process	Biological process	4	Sumo2, Vim, Dkc1, Psmc6
4	GO:0044093	Positive regulation of molecular function	Biological process	4	Rps3, Calm3, Dkc1, Eif2s1
3	GO:0032940	Secretion by cell	Biological process	4	Rab11a, Rab1a, Sptbn1, Calm3
5	GO:0031329	Regulation of cellular catabolic process	Biological process	4	Sumo2, Vim, Dkc1, Psmc6
5	GO:0051276	Chromosome organization	Biological process	4	Hist1h2ail1, Pkn3, Dkc1, Rab11a
5	GO:0051336	Regulation of hydrolase activity	Biological process	4	Tmed2, Rps3, Calm3, Hsp90b1
6	GO:0010498	Proteasomal protein catabolic process	Biological process	4	Hsp90b1, Psmc6, Sumo2, Psm6
7	GO:0043161	Proteasome-mediated ubiquitin-dependent protein catabolic process	Biological process	4	Hsp90b1, Psmc6, Sumo2, Psm6
3	GO:0007017	Microtubule-based process	Biological process	4	Tuba1b, Rab11a, Rps3, Rab1a
3	GO:0001816	Cytokine production	Biological process	4	Rps3, Rab1a, Sptbn1, Sars1
4	GO:0044092	Negative regulation of molecular function	Biological process	4	Tmed2, Actb, Calm3, Eif2s1

6	GO:0006396	Rna processing	Biological process	4	Dkc1, Rps14, Rps19, Rpl35
3	GO:0002520	Immune system development	Biological process	4	Nkap, Rps14, Rps19, Hspa9
3	GO:0051301	Cell division	Biological process	4	Sptbn1, Rab11a, Calm3, Rps3
4	GO:0048534	Hematopoietic or lymphoid organ development	Biological process	4	Nkap, Rps14, Rps19, Hspa9
4	GO:0010256	Endomembrane system organization	Biological process	4	Sptbn1, Rab1a, Tmed2, Rab11a
4	GO:1903047	Mitotic cell cycle process	Biological process	4	Calm3, Sptbn1, Rab11a, Rpl17
5	GO:0030097	Hemopoiesis	Biological process	4	Rps14, Rps19, Hspa9, Nkap
5	GO:0071826	Ribonucleoprotein complex subunit organization	Biological process	4	Rps14, Rps19, Rps5, Rps25
5	GO:0022618	Ribonucleoprotein complex assembly	Biological process	4	Rps14, Rps19, Rps5, Rps25
6	GO:0006364	Rrna processing	Biological process	4	Dkc1, Rps14, Rps19, Rpl35
7	GO:0002181	Cytoplasmic translation	Biological process	4	Rps3, Rpl17, Rpl27a, Rplp0
7	GO:0034470	Ncrna processing	Biological process	4	Dkc1, Rps14, Rps19, Rpl35
8	GO:0016072	Rrna metabolic process	Biological process	4	Dkc1, Rps14, Rps19, Rpl35
4	GO:0051656	Establishment of organelle localization	Biological process	4	Tmed2, Rab11a, Rab1a, Calm3
4	GO:0051640	Organelle localization	Biological process	4	Tmed2, Rab11a, Rab1a, Calm3
5	GO:0042274	Ribosomal small subunit biogenesis	Biological process	4	Rps14, Rps19, Rps5, Rps25
6	GO:0042255	Ribosome assembly	Biological process	4	Rps14, Rps19, Rps5, Rps25
6	GO:0065004	Protein-DNA complex assembly	Biological process	4	Hist1h2ail1, Pkn3, Psmc6
6	GO:0000028	Ribosomal small subunit assembly	Biological process	4	Rps14, Rps19, Rps5, Rps25
5	GO:0030099	Myeloid cell differentiation	Biological process	4	Rps14, Rps19, Hspa9, Nkap
5	GO:0010038	Response to metal ion	Biological process	4	Calm3, Vim, Hsp90b1, Eif2s1
5	GO:0051650	Establishment of vesicle localization	Biological process	4	Tmed2, Rab1a, Rab11a, Calm3
5	GO:0051648	Vesicle localization	Biological process	4	Tmed2, Rab1a, Rab11a, Calm3
6	GO:1990778	Protein localization to cell periphery	Biological process	4	Sptbn1, Rab11a, Tmed2, Rlc-a
7	GO:0000122	Negative regulation of transcription by RNA polymerase II	Biological process	4	Rps14, Nkap, Hdgf, Sars1
7	GO:0072659	Protein localization to plasma membrane	Biological process	4	Sptbn1, Rab11a, Tmed2, Rlc-a
3	GO:0044087	Regulation of cellular component biogenesis	Biological process	4	Rps3, Psmc6, Myoc, Sptbn1
5	GO:0010638	Positive regulation of organelle organization	Biological process	4	Rps3, Dkc1, Myoc, Nkap
3	GO:0048584	Positive regulation of response to stimulus	Biological process	4	Myoc, Rps3, Rps19, Calm3
4	GO:0012501	Programmed cell death	Biological process	4	Rps3, Hsp90b1, Eif2s1, Col2a1
3	GO:0051094	Positive regulation of developmental process	Biological process	4	Rab11a, Nkap, Vim, Myoc
5	GO:0006915	Apoptotic process	Biological process	4	Hsp90b1, Rps3, Eif2s1, Col2a1
5	GO:0043067	Regulation of programmed cell death	Biological process	4	Hsp90b1, Rps3, Eif2s1, Col2a1
6	GO:0042981	Regulation of apoptotic process	Biological process	4	Hsp90b1, Rps3, Eif2s1, Col2a1
4	GO:0007584	Response to nutrient	Biological process	4	Vim, Hspa9, Col2a1, Hsp90b1
3	GO:0048589	Developmental growth	Biological process	4	Col2a1, Tmed2, Vim, Rab11a
3	GO:0030029	Actin filament-based process	Biological process	4	Hsp90b1, Myoc, Sptbn1, Actb
3	GO:0007267	Cell-cell signaling	Biological process	4	Rab1a, Myoc, Rab11a, Calm3
4	GO:0030036	Actin cytoskeleton organization	Biological process	4	Hsp90b1, Myoc, Sptbn1, Actb
5	GO:0051174	Regulation of phosphorus metabolic process	Biological process	4	Calm3, Myoc, Rps3, Hsp90b1
5	GO:0048858	Cell projection morphogenesis	Biological process	4	Actb, B3gnt2, Rab11a, Vim
5	GO:0032990	Cell part morphogenesis	Biological process	4	Actb, B3gnt2, Rab11a, Vim
6	GO:0019220	Regulation of phosphate metabolic process	Biological process	4	Calm3, Myoc, Rps3, Hsp90b1
6	GO:0120039	Plasma membrane bounded cell projection morphogenesis	Biological process	4	Actb, B3gnt2, Rab11a, Vim
7	GO:0048812	Neuron projection morphogenesis	Biological process	4	Actb, B3gnt2, Rab11a, Vim
4	GO:0045597	Positive regulation of cell differentiation	Biological process	4	Rab11a, Nkap, Vim, Myoc
4	GO:0006952	Defense response	Biological process	4	Rab1a, Rps19, Htra1, Vim
6	GO:0048667	Cell morphogenesis involved in neuron differentiation	Biological process	4	Actb, B3gnt2, Rab11a, Vim
5	GO:0022604	Regulation of cell morphogenesis	Biological process	4	Rlc-a, Rab11a, Vim, Myoc
6	GO:0071407	Cellular response to organic cyclic compound	Biological process	4	Col2a1, Hsp90b1, Rplp0, Actb
7	GO:0061564	Axon development	Biological process	4	Actb, B3gnt2, Rab11a, Vim
7	GO:0007409	Axonogenesis	Biological process	4	B3gnt2, Rab11a, Vim, Actb
3	GO:0051093	Negative regulation of developmental process	Biological process	4	Vim, Sars1, Chrd, Hspa9
5	GO:0060284	Regulation of cell development	Biological process	4	Vim, Rab11a, Rps19, Myoc
4	GO:0009314	Response to radiation	Biological process	4	Col2a1, Eif2s1, Rpl35, Vim
5	GO:1901699	Cellular response to nitrogen compound	Biological process	4	Hsp90b1, Rplp0, Col2a1, Actb
5	GO:0071417	Cellular response to organonitrogen compound	Biological process	4	Hsp90b1, Rplp0, Col2a1, Actb
4	GO:0104004	Cellular response to environmental stimulus	Biological process	4	Col2a1, Eif2s1, Actb, Rpl35

4	GO:0071214	Cellular response to abiotic stimulus	Biological process	4	Col2a1, Eif2s1, Actb, Rpl35
3	GO:0040012	Regulation of locomotion	Biological process	4	Rab11a, Myoc, Chrd, Vim
4	GO:0051270	Regulation of cellular component movement	Biological process	4	Rab11a, Myoc, Chrd, Vim
4	GO:2000145	Regulation of cell motility	Biological process	4	Rab11a, Myoc, Chrd, Vim
5	GO:0030334	Regulation of cell migration	Biological process	4	Rab11a, Myoc, Chrd, Vim
5	GO:0072359	Circulatory system development	Biological process	4	Tgfb1, Tmed2, Col2a1, Sars1
6	GO:0007178	Transmembrane receptor protein serine/threonine kinase signaling pathway	Biological process	4	Sptbn1, Chrd, Htra1, Vim
3	GO:0030155	Regulation of cell adhesion	Biological process	4	Myoc, Rps3, Chrd, Nkap
4	GO:0035295	Tube development	Biological process	4	Tgfb1, Tmed2, Sars1, Col2a1
3	GO:0045785	Positive regulation of cell adhesion	Biological process	4	Rps3, Nkap, Myoc, Chrd
3	GO:0003008	System process	Biological process	4	Calm3, Col2a1, B3gnt2, Myoc
5	GO:0001501	Skeletal system development	Biological process	4	Col2a1, Tgfb1, Myoc, Chrd
3	GO:0051050	Positive regulation of transport	Biological process	3	Calm3, Sptbn1, Nkap
3	GO:1904951	Positive regulation of establishment of protein localization	Biological process	3	Sptbn1, Nkap, Dkc1
4	GO:0043254	Regulation of protein complex assembly	Biological process	3	Rps3, Psmc6, Sptbn1
5	GO:0090087	Regulation of peptide transport	Biological process	3	Rab11a, Sptbn1, Nkap
5	GO:0043085	Positive regulation of catalytic activity	Biological process	3	Rps3, Calm3, Dkc1
6	GO:0030162	Regulation of proteolysis	Biological process	3	Sumo2, Psmc6, Rps3
6	GO:0051223	Regulation of protein transport	Biological process	3	Sptbn1, Nkap, Rab11a
3	GO:0002684	Positive regulation of immune system process	Biological process	3	Rps3, Nkap, Rps19
3	GO:0006955	Immune response	Biological process	3	Rps3, Rps19, Vim
4	GO:0046677	Response to antibiotic	Biological process	3	Rps4x, Rps3, HSP90AA1
5	GO:0034976	Response to endoplasmic reticulum stress	Biological process	3	Hsp90b1, Psmc6, Eif2s1
7	GO:0070647	Protein modification by small protein conjugation or removal	Biological process	3	Uba1, Sumo2, Rps3
8	GO:0032446	Protein modification by small protein conjugation	Biological process	3	Uba1, Sumo2, Rps3
6	GO:0031401	Positive regulation of protein modification process	Biological process	3	Calm3, Sumo2, Rps3
6	GO:0045862	Positive regulation of proteolysis	Biological process	3	Sumo2, Psmc6, Rps3
4	GO:0000910	Cytokinesis	Biological process	3	Sptbn1, Rab11a, Calm3
4	GO:0001817	Regulation of cytokine production	Biological process	3	Rps3, Sptbn1, Sars1
5	GO:0051254	Positive regulation of RNA metabolic process	Biological process	3	Psmc6, Sumo2, Hdgf
5	GO:0071824	Protein-DNA complex subunit organization	Biological process	3	Hist1h2ail1, Pkn3, Psmc6
6	GO:1902680	Positive regulation of RNA biosynthetic process	Biological process	3	Psmc6, Sumo2, Hdgf
6	GO:0045893	Positive regulation of transcription, DNA-templated	Biological process	3	Psmc6, Sumo2, Hdgf
7	GO:1903508	Positive regulation of nucleic acid-templated transcription	Biological process	3	Psmc6, Sumo2, Hdgf
7	GO:0045944	Positive regulation of transcription by RNA polymerase II	Biological process	3	Psmc6, Sumo2, Hdgf
4	GO:0000226	Microtubule cytoskeleton organization	Biological process	3	Rab11a, Rps3, Tuba1b
4	GO:0051726	Regulation of cell cycle	Biological process	3	Rab11a, Calm3, Rpl17
4	GO:0010564	Regulation of cell cycle process	Biological process	3	Rab11a, Calm3, Rpl17
4	GO:0009408	Response to heat	Biological process	3	Hspa9, Eif2s1, HSP90AA1
4	GO:0009266	Response to temperature stimulus	Biological process	3	HSP90AA1, Hspa9, Eif2s1
5	GO:0090150	Establishment of protein localization to membrane	Biological process	3	Sptbn1, Calm3, Rab11a
6	GO:0048193	Golgi vesicle transport	Biological process	3	Rab1a, Tmed2, Sptbn1
3	GO:0002262	Myeloid cell homeostasis	Biological process	3	Rps14, Rps19, Hspa9
4	GO:0034101	Erythrocyte homeostasis	Biological process	3	Rps14, Rps19, Hspa9
4	GO:0044770	Cell cycle phase transition	Biological process	3	Calm3, Rab11a, Rpl17
4	GO:0042594	Response to starvation	Biological process	3	Rpl17, Rps25, Eif2s1
5	GO:0030218	Erythrocyte differentiation	Biological process	3	Hspa9, Rps14, Rps19
5	GO:0044772	Mitotic cell cycle phase transition	Biological process	3	Calm3, Rab11a, Rpl17
5	GO:0009267	Cellular response to starvation	Biological process	3	Rpl17, Rps25, Eif2s1
5	GO:1990928	Response to amino acid starvation	Biological process	3	Rpl17, Rps25, Eif2s1
5	GO:0048872	Homeostasis of number of cells	Biological process	3	Rps14, Rps19, Hspa9
6	GO:0034198	Cellular response to amino acid starvation	Biological process	3	Rpl17, Rps25, Eif2s1
3	GO:0044089	Positive regulation of cellular component biogenesis	Biological process	3	Rps3, Psmc6, Myoc
2	GO:0000003	Reproduction	Biological process	3	Htra1, Tmed2, Vim
2	GO:0022414	Reproductive process	Biological process	3	Htra1, Tmed2, Vim
3	GO:0023056	Positive regulation of signaling	Biological process	3	Myoc, Rps3, Calm3
4	GO:0010647	Positive regulation of cell communication	Biological process	3	Myoc, Rps3, Calm3

4	GO:0009967	Positive regulation of signal transduction	Biological process	3	Myoc, Rps3, Calm3
4	GO:0009725	Response to hormone	Biological process	3	Vim, Col2a1, Hspa9
4	GO:0060548	Negative regulation of cell death	Biological process	3	Hsp90b1, Col2a1, Hspa9
5	GO:0007015	Actin filament organization	Biological process	3	Hsp90b1, Myoc, Sptbn1
5	GO:0051960	Regulation of nervous system development	Biological process	3	Vim, Chrd, Rab11a
5	GO:0033993	Response to lipid	Biological process	3	Vim, Col2a1, Rplp0
4	GO:0001568	Blood vessel development	Biological process	3	Tgfb1, Sars1, Tmed2
5	GO:0001944	Vasculature development	Biological process	3	Tgfb1, Sars1, Tmed2
5	GO:0072358	Cardiovascular system development	Biological process	3	Tgfb1, Sars1, Tmed2
5	GO:0033273	Response to vitamin	Biological process	3	Vim, Hspa9, Col2a1
3	GO:0002683	Negative regulation of immune system process	Biological process	3	Hspa9, Htra1, Rps19
3	GO:0003006	Developmental process involved in reproduction	Biological process	3	Htra1, Tmed2, Vim
3	GO:0009607	Response to biotic stimulus	Biological process	3	Rab1a, Rps19, Htra1
3	GO:0051707	Response to other organism	Biological process	3	Rab1a, Rps19, Htra1
4	GO:0048608	Reproductive structure development	Biological process	3	Htra1, Tmed2, Vim
4	GO:0080134	Regulation of response to stress	Biological process	3	Rps3, Htra1, Rps19
4	GO:0043207	Response to external biotic stimulus	Biological process	3	Rab1a, Rps19, Htra1
5	GO:0007264	Small GTPase mediated signal transduction	Biological process	3	Rab1a, Rab11a, Myoc
5	GO:1902903	Regulation of supramolecular fiber organization	Biological process	3	Rps3, Myoc, Sptbn1
5	GO:0010720	Positive regulation of cell development	Biological process	3	Rab11a, Vim, Myoc
5	GO:0061458	Reproductive system development	Biological process	3	Htra1, Tmed2, Vim
5	GO:0060429	Epithelium development	Biological process	3	Tmed2, Vim, Col2a1
5	GO:0007423	Sensory organ development	Biological process	3	Col2a1, Actb, Vim
6	GO:0051493	Regulation of cytoskeleton organization	Biological process	3	Rps3, Myoc, Sptbn1
4	GO:0045596	Negative regulation of cell differentiation	Biological process	3	Vim, Hspa9, Chrd
4	GO:0035239	Tube morphogenesis	Biological process	3	Tgfb1, Tmed2, Sars1
4	GO:0098542	Defense response to other organism	Biological process	3	Rab1a, Rps19, Htra1
5	GO:1902531	Regulation of intracellular signal transduction	Biological process	3	Myoc, Rps3, Calm3
5	GO:1902533	Positive regulation of intracellular signal transduction	Biological process	3	Myoc, Rps3, Calm3
5	GO:0001890	Placenta development	Biological process	3	Tmed2, Vim, Htra1
6	GO:0007265	Ras protein signal transduction	Biological process	3	Rab1a, Rab11a, Myoc
4	GO:0051129	Negative regulation of cellular component organization	Biological process	3	Vim, Myoc, Sptbn1
5	GO:0097237	Cellular response to toxic substance	Biological process	3	Rps3, Col2a1, Actb
6	GO:0010769	Regulation of cell morphogenesis involved in differentiation	Biological process	3	Rab11a, Vim, Myoc
4	GO:1901135	Carbohydrate derivative metabolic process	Biological process	3	Col2a1, B3gnt2, Rab1a
4	GO:0009790	Embryo development	Biological process	3	Tmed2, Chrd, Col2a1
5	GO:0007417	Central nervous system development	Biological process	3	Vim, Chrd, Col2a1
4	GO:0009887	Animal organ morphogenesis	Biological process	3	Col2a1, Tmed2, Htra1
5	GO:0009100	Glycoprotein metabolic process	Biological process	3	Col2a1, B3gnt2, Rab1a
4	GO:0048598	Embryonic morphogenesis	Biological process	3	Chrd, Tmed2, Col2a1
4	GO:0071772	Response to BMP	Biological process	3	Chrd, Htra1, Col2a1
5	GO:0071773	Cellular response to BMP stimulus	Biological process	3	Chrd, Htra1, Col2a1
3	GO:0001503	Ossification	Biological process	3	Myoc, Chrd, Col2a1
3	GO:0044281	Small molecule metabolic process	Biological process	2	Yars, Sars1
3	GO:0006457	Protein folding	Biological process	2	Hspa9, Hsp90b1
3	GO:0044703	Multi-organism reproductive process	Biological process	2	Tmed2, Vim
4	GO:0031334	Positive regulation of protein complex assembly	Biological process	2	Rps3, Psmc6
4	GO:0051222	Positive regulation of protein transport	Biological process	2	Sptbn1, Nkap
5	GO:0055085	Transmembrane transport	Biological process	2	Calm3, HSP90AA1
3	GO:0044419	Interspecies interaction between organisms	Biological process	2	Rab1a, Rps19
5	GO:0042176	Regulation of protein catabolic process	Biological process	2	Sumo2, Psmc6
5	GO:0006259	DNA metabolic process	Biological process	2	Rps3, Dkc1
5	GO:0032386	Regulation of intracellular transport	Biological process	2	Nkap, Calm3
5	GO:0098657	Import into cell	Biological process	2	Rab1a, Calm3
6	GO:0006897	Endocytosis	Biological process	2	Calm3, Rab1a
4	GO:0009896	Positive regulation of catabolic process	Biological process	2	Sumo2, Psmc6
4	GO:0006082	Organic acid metabolic process	Biological process	2	Yars, Sars1
4	GO:0032535	Regulation of cellular component size	Biological process	2	Rab11a, Sptbn1

4	GO:0098609	Cell-cell adhesion	Biological process	2	Rps3, Nkap
4	GO:0051962	Positive regulation of nervous system development	Biological process	2	Rab11a, Vim
4	GO:0090066	Regulation of anatomical structure size	Biological process	2	Rab11a, Sptbn1
5	GO:0051248	Negative regulation of protein metabolic process	Biological process	2	Rps3, Eif2s1
5	GO:0045732	Positive regulation of protein catabolic process	Biological process	2	Sumo2, Psmc6
5	GO:1901361	Organic cyclic compound catabolic process	Biological process	2	Vim, Dkc1
5	GO:0032269	Negative regulation of cellular protein metabolic process	Biological process	2	Rps3, Eif2s1
5	GO:0051054	Positive regulation of DNA metabolic process	Biological process	2	Rps3, Dkc1
5	GO:0051052	Regulation of DNA metabolic process	Biological process	2	Rps3, Dkc1
5	GO:0043436	Oxoacid metabolic process	Biological process	2	Yars, Sars1
5	GO:0097305	Response to alcohol	Biological process	2	Rps4x, Rplp0
5	GO:0051338	Regulation of transferase activity	Biological process	2	Rps3, Dkc1
6	GO:1903362	Regulation of cellular protein catabolic process	Biological process	2	Sumo2, Psmc6
6	GO:0019752	Carboxylic acid metabolic process	Biological process	2	Yars, Sars1
6	GO:0051259	Protein complex oligomerization	Biological process	2	Rps19, Hist1h2ail1
6	GO:0051345	Positive regulation of hydrolase activity	Biological process	2	Rps3, Calm3
9	GO:0016567	Protein ubiquitination	Biological process	2	Rps3, Uba1
3	GO:0032504	Multicellular organism reproduction	Biological process	2	Tmed2, Vim
3	GO:0045321	Leukocyte activation	Biological process	2	Nkap, Rps3
3	GO:0001775	Cell activation	Biological process	2	Nkap, Rps3
3	GO:0061919	Process utilizing autophagic mechanism	Biological process	2	Rab1a, HSP90AA1
3	GO:0048609	Multicellular organismal reproductive process	Biological process	2	Tmed2, Vim
4	GO:0045087	Innate immune response	Biological process	2	Rps19, Vim
4	GO:0046649	Lymphocyte activation	Biological process	2	Nkap, Rps3
4	GO:0010942	Positive regulation of cell death	Biological process	2	Eif2s1, Rps3
4	GO:0009306	Protein secretion	Biological process	2	Rab1a, Sptbn1
4	GO:1903530	Regulation of secretion by cell	Biological process	2	Sptbn1, Calm3
4	GO:0006914	Autophagy	Biological process	2	Rab1a, HSP90AA1
4	GO:0051098	Regulation of binding	Biological process	2	Actb, Eif2s1
5	GO:0044270	Cellular nitrogen compound catabolic process	Biological process	2	Vim, Dkc1
5	GO:0034250	Positive regulation of cellular amide metabolic process	Biological process	2	Vim, Rps4x
5	GO:0031331	Positive regulation of cellular catabolic process	Biological process	2	Sumo2, Psmc6
5	GO:0019439	Aromatic compound catabolic process	Biological process	2	Vim, Dkc1
5	GO:0046700	Heterocycle catabolic process	Biological process	2	Vim, Dkc1
5	GO:0010562	Positive regulation of phosphorus metabolic process	Biological process	2	Calm3, Rps3
5	GO:0034655	Nucleobase-containing compound catabolic process	Biological process	2	Vim, Dkc1
5	GO:0043068	Positive regulation of programmed cell death	Biological process	2	Rps3, Eif2s1
5	GO:0051046	Regulation of secretion	Biological process	2	Sptbn1, Calm3
5	GO:0043393	Regulation of protein binding	Biological process	2	Actb, Eif2s1
6	GO:0045727	Positive regulation of translation	Biological process	2	Vim, Rps4x
6	GO:1903364	Positive regulation of cellular protein catabolic process	Biological process	2	Sumo2, Psmc6
6	GO:0045937	Positive regulation of phosphate metabolic process	Biological process	2	Calm3, Rps3
6	GO:0043065	Positive regulation of apoptotic process	Biological process	2	Rps3, Eif2s1
6	GO:0002790	Peptide secretion	Biological process	2	Rab1a, Sptbn1
6	GO:0051347	Positive regulation of transferase activity	Biological process	2	Rps3, Dkc1
7	GO:1903050	Regulation of proteolysis involved in cellular protein catabolic process	Biological process	2	Sumo2, Psmc6
7	GO:0061136	Regulation of proteasomal protein catabolic process	Biological process	2	Sumo2, Psmc6
3	GO:0051606	Detection of stimulus	Biological process	2	Calm3, Rps3
4	GO:0002694	Regulation of leukocyte activation	Biological process	2	Rps3, Nkap
4	GO:0050776	Regulation of immune response	Biological process	2	Rps3, Rps19
4	GO:0023061	Signal release	Biological process	2	Rab1a, Calm3
4	GO:0006887	Exocytosis	Biological process	2	Rab11a, Calm3
4	GO:0060627	Regulation of vesicle-mediated transport	Biological process	2	Calm3, Rab11a
4	GO:0099536	Synaptic signaling	Biological process	2	Rab11a, Calm3
4	GO:0099177	Regulation of trans-synaptic signaling	Biological process	2	Rab11a, Calm3
5	GO:0051249	Regulation of lymphocyte activation	Biological process	2	Rps3, Nkap
5	GO:0042110	T cell activation	Biological process	2	Nkap, Rps3

5	GO:0007005	Mitochondrion organization	Biological process	2	Calm3, Nkap
5	GO:0031344	Regulation of cell projection organization	Biological process	2	Vim, Rab11a
5	GO:0007159	Leukocyte cell-cell adhesion	Biological process	2	Rps3, Nkap
5	GO:0099537	Trans-synaptic signaling	Biological process	2	Rab11a, Calm3
5	GO:0050804	Modulation of chemical synaptic transmission	Biological process	2	Rab11a, Calm3
5	GO:0048880	Sensory system development	Biological process	2	Actb, Vim
5	GO:0050769	Positive regulation of neurogenesis	Biological process	2	Rab11a, Vim
5	GO:0032271	Regulation of protein polymerization	Biological process	2	Rps3, Sptbn1
6	GO:0016311	Dephosphorylation	Biological process	2	Calm3, Hsp90b1
6	GO:0120035	Regulation of plasma membrane bounded cell projection organization	Biological process	2	Vim, Rab11a
6	GO:0050767	Regulation of neurogenesis	Biological process	2	Vim, Rab11a
6	GO:0045664	Regulation of neuron differentiation	Biological process	2	Vim, Rab11a
6	GO:0036503	ERAD pathway	Biological process	2	Hsp90b1, Psmc6
6	GO:0098916	Anterograde trans-synaptic signaling	Biological process	2	Rab11a, Calm3
6	GO:0150063	Visual system development	Biological process	2	Actb, Vim
6	GO:0001654	Eye development	Biological process	2	Actb, Vim
6	GO:0072655	Establishment of protein localization to mitochondrion	Biological process	2	Calm3, Nkap
7	GO:1903052	Positive regulation of proteolysis involved in cellular protein catabolic process	Biological process	2	Sumo2, Psmc6
7	GO:0035304	Regulation of protein dephosphorylation	Biological process	2	Calm3, Hsp90b1
7	GO:1903320	Regulation of protein modification by small protein conjugation or removal	Biological process	2	Rps3, Sumo2
7	GO:0035303	Regulation of dephosphorylation	Biological process	2	Calm3, Hsp90b1
7	GO:0006470	Protein dephosphorylation	Biological process	2	Calm3, Hsp90b1
7	GO:0018193	Peptidyl-amino acid modification	Biological process	2	Sumo2, HSP90AA1
7	GO:1901800	Positive regulation of proteasomal protein catabolic process	Biological process	2	Sumo2, Psmc6
7	GO:0051258	Protein polymerization	Biological process	2	Rps3, Sptbn1
7	GO:0051262	Protein tetramerization	Biological process	2	Hist1h2ail1, Rps19
7	GO:0030433	Ubiquitin-dependent ERAD pathway	Biological process	2	Hsp90b1, Psmc6
7	GO:0007268	Chemical synaptic transmission	Biological process	2	Rab11a, Calm3
7	GO:0043010	Camera-type eye development	Biological process	2	Actb, Vim
7	GO:0070585	Protein localization to mitochondrion	Biological process	2	Calm3, Nkap
3	GO:0007568	Aging	Biological process	2	Vim, Eif2s1
4	GO:1903706	Regulation of hemopoiesis	Biological process	2	Hspa9, Nkap
4	GO:0002696	Positive regulation of leukocyte activation	Biological process	2	Rps3, Nkap
4	GO:0050778	Positive regulation of immune response	Biological process	2	Rps3, Rps19
4	GO:0050867	Positive regulation of cell activation	Biological process	2	Rps3, Nkap
4	GO:0045787	Positive regulation of cell cycle	Biological process	2	Rab11a, Rpl17
4	GO:0006325	Chromatin organization	Biological process	2	Hist1h2ail1, Pkn3
4	GO:0050663	Cytokine secretion	Biological process	2	Rab1a, Sptbn1
4	GO:0022409	Positive regulation of cell-cell adhesion	Biological process	2	Rps3, Nkap
4	GO:1905477	Positive regulation of protein localization to membrane	Biological process	2	Rab11a, Sptbn1
4	GO:0022407	Regulation of cell-cell adhesion	Biological process	2	Rps3, Nkap
4	GO:0009617	Response to bacterium	Biological process	2	Rab1a, Rps19
4	GO:0043487	Regulation of RNA stability	Biological process	2	Vim, Dkc1
5	GO:0034249	Negative regulation of cellular amide metabolic process	Biological process	2	Rps3, Eif2s1
5	GO:0051251	Positive regulation of lymphocyte activation	Biological process	2	Rps3, Nkap
5	GO:0016050	Vesicle organization	Biological process	2	Rab11a, Rab1a
5	GO:0006974	Cellular response to DNA damage stimulus	Biological process	2	Rps3, Uba1
5	GO:0034605	Cellular response to heat	Biological process	2	Hspa9, Eif2s1
5	GO:0001667	Ameboidal-type cell migration	Biological process	2	Pkn3, Rab11a
5	GO:1903039	Positive regulation of leukocyte cell-cell adhesion	Biological process	2	Rps3, Nkap
5	GO:1903037	Regulation of leukocyte cell-cell adhesion	Biological process	2	Rps3, Nkap
5	GO:0009416	Response to light stimulus	Biological process	2	Eif2s1, Rpl35
5	GO:0006888	ER to Golgi vesicle-mediated transport	Biological process	2	Rab1a, Tmed2
5	GO:0042742	Defense response to bacterium	Biological process	2	Rps19, Rab1a
5	GO:0051100	Negative regulation of binding	Biological process	2	Actb, Eif2s1

6	GO:0017148	Negative regulation of translation	Biological process	2	Eif2s1, Rps3
6	GO:0006401	RNA catabolic process	Biological process	2	Vim, Dkc1
6	GO:0050863	Regulation of T cell activation	Biological process	2	Rps3, Nkap
6	GO:0050870	Positive regulation of T cell activation	Biological process	2	Rps3, Nkap
6	GO:1905475	Regulation of protein localization to membrane	Biological process	2	Sptbn1, Rab11a
6	GO:0014074	Response to purine-containing compound	Biological process	2	Hsp90b1, Rplp0
6	GO:0070670	Response to interleukin-4	Biological process	2	Tuba1b, Rplp0
6	GO:0032091	Negative regulation of protein binding	Biological process	2	Eif2s1, Actb
6	GO:0010921	Regulation of phosphatase activity	Biological process	2	Calm3, Hsp90b1
6	GO:0030490	Maturation of SSU-rRNA	Biological process	2	Rps14, Rps19
7	GO:0016071	mRNA metabolic process	Biological process	2	Vim, Dkc1
7	GO:0032482	Rab protein signal transduction	Biological process	2	Rab1a, Rab11a
7	GO:0010975	Regulation of neuron projection development	Biological process	2	Vim, Rab11a
7	GO:0071353	Cellular response to interleukin-4	Biological process	2	Tuba1b, Rplp0
7	GO:0043666	Regulation of phosphoprotein phosphatase activity	Biological process	2	Calm3, Hsp90b1
7	GO:0000462	Maturation of SSU-rRNA from tricistronic rRNA transcript (SSU-rRNA, 5.8S rRNA, LSU-rRNA)	Biological process	2	Rps14, Rps19
2	GO:0043473	Pigmentation	Biological process	2	Rab1a, Rab11a
3	GO:0007059	Chromosome segregation	Biological process	2	Rab11a, Rps3
3	GO:0033059	Cellular pigmentation	Biological process	2	Rab1a, Rab11a
3	GO:0044706	Multi-multicellular organism process	Biological process	2	Tmed2, Vim
3	GO:0090130	Tissue migration	Biological process	2	Pkn3, Rab11a
4	GO:0006413	Translational initiation	Biological process	2	Eif2s1, Eif1ax
4	GO:0006520	Cellular amino acid metabolic process	Biological process	2	Yars, Sars1
4	GO:0007051	Spindle organization	Biological process	2	Rab11a, Rps3
4	GO:0090068	Positive regulation of cell cycle process	Biological process	2	Rab11a, Rpl17
4	GO:0051875	Pigment granule localization	Biological process	2	Rab1a, Rab11a
4	GO:0051302	Regulation of cell division	Biological process	2	Rab11a, Calm3
4	GO:0001893	Maternal placenta development	Biological process	2	Vim, Tmed2
4	GO:0007565	Female pregnancy	Biological process	2	Tmed2, Vim
4	GO:0060135	Maternal process involved in female pregnancy	Biological process	2	Tmed2, Vim
4	GO:0001819	Positive regulation of cytokine production	Biological process	2	Rps3, Sptbn1
4	GO:0032623	Interleukin-2 production	Biological process	2	Rps3, Sptbn1
4	GO:1904377	Positive regulation of protein localization to cell periphery	Biological process	2	Rab11a, Sptbn1
4	GO:0051668	Localization within membrane	Biological process	2	Rab1a, Rab11a
4	GO:0001505	Regulation of neurotransmitter levels	Biological process	2	HSP90AA1, Calm3
5	GO:0043038	Amino acid activation	Biological process	2	Yars, Sars1
5	GO:0007219	Notch signaling pathway	Biological process	2	Nkap, Rps19
5	GO:0007346	Regulation of mitotic cell cycle	Biological process	2	Rab11a, Rpl17
5	GO:0045931	Positive regulation of mitotic cell cycle	Biological process	2	Rab11a, Rpl17
5	GO:0006333	Chromatin assembly or disassembly	Biological process	2	Hist1h2ail1, Pkn3
5	GO:0034728	Nucleosome organization	Biological process	2	Hist1h2ail1, Pkn3
5	GO:0007030	Golgi organization	Biological process	2	Rab1a, Tmed2
5	GO:0031497	Chromatin assembly	Biological process	2	Hist1h2ail1, Pkn3
5	GO:0032465	Regulation of cytokinesis	Biological process	2	Rab11a, Calm3
5	GO:0051225	Spindle assembly	Biological process	2	Rab11a, Rps3
5	GO:1901987	Regulation of cell cycle phase transition	Biological process	2	Rab11a, Rpl17
5	GO:0044839	Cell cycle G2/M phase transition	Biological process	2	Calm3, Rab11a
5	GO:1901989	Positive regulation of cell cycle phase transition	Biological process	2	Rab11a, Rpl17
5	GO:0032400	Melanosome localization	Biological process	2	Rab1a, Rab11a
5	GO:0051904	Pigment granule transport	Biological process	2	Rab1a, Rab11a
5	GO:0051905	Establishment of pigment granule localization	Biological process	2	Rab1a, Rab11a
5	GO:0071241	Cellular response to inorganic substance	Biological process	2	Hsp90b1, Eif2s1
5	GO:0032663	Regulation of interleukin-2 production	Biological process	2	Rps3, Sptbn1
5	GO:0032743	Positive regulation of interleukin-2 production	Biological process	2	Sptbn1, Rps3
5	GO:1903078	Positive regulation of protein localization to plasma membrane	Biological process	2	Rab11a, Sptbn1
5	GO:0046683	Response to organophosphorus	Biological process	2	Hsp90b1, Rplp0
5	GO:0010269	Response to selenium ion	Biological process	2	Vim, Rplp0

6	GO:0043039	Trna aminoacylation	Biological process	2	Yars, Sars1
6	GO:1901990	Regulation of mitotic cell cycle phase transition	Biological process	2	Rab11a, Rpl17
6	GO:1901992	Positive regulation of mitotic cell cycle phase transition	Biological process	2	Rab11a, Rpl17
6	GO:0006334	Nucleosome assembly	Biological process	2	Hist1h2ail1, Pkn3
6	GO:0071103	DNA conformation change	Biological process	2	Hist1h2ail1, Pkn3
6	GO:0000086	G2/M transition of mitotic cell cycle	Biological process	2	Rab11a, Calm3
6	GO:0032401	Establishment of melanosome localization	Biological process	2	Rab1a, Rab11a
6	GO:0032402	Melanosome transport	Biological process	2	Rab1a, Rab11a
6	GO:0071248	Cellular response to metal ion	Biological process	2	Hsp90b1, Eif2s1
6	GO:1904375	Regulation of protein localization to cell periphery	Biological process	2	Sptbn1, Rab11a
6	GO:0009411	Response to UV	Biological process	2	Eif2s1, Rpl35
6	GO:0071482	Cellular response to light stimulus	Biological process	2	Eif2s1, Rpl35
6	GO:0010042	Response to manganese ion	Biological process	2	Hsp90b1, Eif2s1
6	GO:0098876	Vesicle-mediated transport to the plasma membrane	Biological process	2	Sptbn1, Rab11a
6	GO:0061951	Establishment of protein localization to plasma membrane	Biological process	2	Sptbn1, Rab11a
7	GO:0006418	tRNA aminoacylation for protein translation	Biological process	2	Sars1, Yars
7	GO:0006323	DNA packaging	Biological process	2	Hist1h2ail1, Pkn3
7	GO:0051291	Protein heterooligomerization	Biological process	2	Hist1h2ail1
7	GO:0050770	Regulation of axonogenesis	Biological process	2	Rab11a, Vim
7	GO:0071287	Cellular response to manganese ion	Biological process	2	Eif2s1, Hsp90b1
7	GO:1903076	Regulation of protein localization to plasma membrane	Biological process	2	Rab11a, Sptbn1
7	GO:0034644	Cellular response to UV	Biological process	2	Rpl35, Eif2s1
8	GO:0046777	Protein autophosphorylation	Biological process	2	Hspa9, Eif2s1
8	GO:0006399	tRNA metabolic process	Biological process	2	Yars, Sars1
5	GO:0060249	Anatomical structure homeostasis	Biological process	2	Col2a1, Dkc1
5	GO:0043069	Negative regulation of programmed cell death	Biological process	2	Hsp90b1, Col2a1
5	GO:0048878	Chemical homeostasis	Biological process	2	Calm3, Myoc
6	GO:0043066	Negative regulation of apoptotic process	Biological process	2	Col2a1, Hsp90b1
7	GO:0042325	Regulation of phosphorylation	Biological process	2	Myoc, Rps3
3	GO:0002252	Immune effector process	Biological process	2	Htra1, Rps19
3	GO:0042330	Taxis	Biological process	2	Rps19, B3gnt2
4	GO:0006935	Chemotaxis	Biological process	2	Rps19, B3gnt2
4	GO:0032101	Regulation of response to external stimulus	Biological process	2	Htra1, Rps19
4	GO:0010817	Regulation of hormone levels	Biological process	2	Cpd, Rab1a
5	GO:0009792	Embryo development ending in birth or egg hatching	Biological process	2	Tmed2, Col2a1
6	GO:0043009	Chordate embryonic development	Biological process	2	Tmed2, Col2a1
7	GO:0001932	Regulation of protein phosphorylation	Biological process	2	Myoc, Rps3
3	GO:0040008	Regulation of growth	Biological process	2	Htra1, Rab11a
3	GO:0040017	Positive regulation of locomotion	Biological process	2	Rab11a, Myoc
4	GO:0002697	Regulation of immune effector process	Biological process	2	Htra1, Rps19
4	GO:0023014	Signal transduction by protein phosphorylation	Biological process	2	Myoc, Rps3
4	GO:0097190	Apoptotic signaling pathway	Biological process	2	Rps3, Col2a1
4	GO:0051272	Positive regulation of cellular component movement	Biological process	2	Rab11a, Myoc
4	GO:0032970	Regulation of actin filament-based process	Biological process	2	Myoc, Sptbn1
4	GO:0003012	Muscle system process	Biological process	2	Myoc, Calm3
4	GO:2000147	Positive regulation of cell motility	Biological process	2	Rab11a, Myoc
4	GO:0001101	Response to acid chemical	Biological process	2	Hspa9, Col2a1
5	GO:0000165	MAPK cascade	Biological process	2	Myoc, Rps3
5	GO:2001233	Regulation of apoptotic signaling pathway	Biological process	2	Rps3, Col2a1
5	GO:1902905	Positive regulation of supramolecular fiber organization	Biological process	2	Rps3, Myoc
5	GO:0032956	Regulation of actin cytoskeleton organization	Biological process	2	Myoc, Sptbn1
5	GO:0007507	Heart development	Biological process	2	Tmed2, Col2a1
5	GO:0030335	Positive regulation of cell migration	Biological process	2	Rab11a, Myoc
5	GO:0031347	Regulation of defense response	Biological process	2	Htra1, Rps19
6	GO:0051495	Positive regulation of cytoskeleton organization	Biological process	2	Rps3, Myoc
6	GO:0110053	Regulation of actin filament organization	Biological process	2	Myoc, Sptbn1
6	GO:0071396	Cellular response to lipid	Biological process	2	Col2a1, Rplp0
6	GO:0050801	Ion homeostasis	Biological process	2	Calm3, Myoc

3	GO:0016049	Cell growth	Biological process	2	Htra1, Rab11a
3	GO:0007389	Pattern specification process	Biological process	2	Tmed2, Chrd
4	GO:0002698	Negative regulation of immune effector process	Biological process	2	Htra1, Rps19
4	GO:0031589	Cell-substrate adhesion	Biological process	2	Myoc, Rab1a
4	GO:0003002	Regionalization	Biological process	2	Tmed2, Chrd
4	GO:0048729	Tissue morphogenesis	Biological process	2	Chrd, Tmed2
4	GO:0001525	Angiogenesis	Biological process	2	Sars1, Tgfbi
4	GO:0032102	Negative regulation of response to external stimulus	Biological process	2	Htra1, Rps19
4	GO:0009612	Response to mechanical stimulus	Biological process	2	Col2a1, Actb
4	GO:1990089	Response to nerve growth factor	Biological process	2	Rps3, Myoc
5	GO:0051017	Actin filament bundle assembly	Biological process	2	Hsp90b1, Myoc
5	GO:0031670	Cellular response to nutrient	Biological process	2	Col2a1, Hsp90b1
5	GO:0048568	Embryonic organ development	Biological process	2	Tmed2, Col2a1
5	GO:0003007	Heart morphogenesis	Biological process	2	Tmed2, Col2a1
5	GO:0048562	Embryonic organ morphogenesis	Biological process	2	Tmed2, Col2a1
5	GO:0048514	Blood vessel morphogenesis	Biological process	2	Tgfbi, Sars1
5	GO:1990090	Cellular response to nerve growth factor stimulus	Biological process	2	Rps3, Myoc
6	GO:0043408	Regulation of MAPK cascade	Biological process	2	Rps3, Myoc
6	GO:0061572	Actin filament bundle organization	Biological process	2	Hsp90b1, Myoc
4	GO:0001558	Regulation of cell growth	Biological process	2	Rab11a, Htra1
4	GO:0031348	Negative regulation of defense response	Biological process	2	Htra1, Rps19
4	GO:0071774	Response to fibroblast growth factor	Biological process	2	Vim, Col2a1
5	GO:1902532	Negative regulation of intracellular signal transduction	Biological process	2	Myoc, Calm3
5	GO:0010639	Negative regulation of organelle organization	Biological process	2	Myoc, Sptbn1
5	GO:1902904	Negative regulation of supramolecular fiber organization	Biological process	2	Myoc, Sptbn1
5	GO:0010770	Positive regulation of cell morphogenesis involved in differentiation	Biological process	2	Rab11a, Myoc
5	GO:0034446	Substrate adhesion-dependent cell spreading	Biological process	2	Myoc, Rab1a
6	GO:0051494	Negative regulation of cytoskeleton organization	Biological process	2	Myoc, Sptbn1
6	GO:0034612	Response to tumor necrosis factor	Biological process	2	Rps3, Col2a1
7	GO:0071356	Cellular response to tumor necrosis factor	Biological process	2	Rps3, Col2a1
4	GO:0060322	Head development	Biological process	2	Chrd, Col2a1
4	GO:0090287	Regulation of cellular response to growth factor stimulus	Biological process	2	Htra1, Chrd
4	GO:0050877	Nervous system process	Biological process	2	Col2a1, B3gnt2
5	GO:0090092	Regulation of transmembrane receptor protein serine/threonine kinase signaling pathway	Biological process	2	Htra1, Chrd
6	GO:0007169	Transmembrane receptor protein tyrosine kinase signaling pathway	Biological process	2	Myoc, Angptl1
4	GO:0043062	Extracellular structure organization	Biological process	2	Tgfbi, Col2a1
4	GO:0090288	Negative regulation of cellular response to growth factor	Biological process	2	Htra1, Chrd
5	GO:0090101	Negative regulation of transmembrane receptor protein serine/threonine kinase signaling pathway	Biological process	2	Htra1, Chrd
5	GO:0030514	Negative regulation of BMP signaling pathway	Biological process	2	Htra1, Chrd
5	GO:0030510	Regulation of BMP signaling pathway	Biological process	2	Htra1, Chrd
5	GO:0007600	Sensory perception	Biological process	2	Col2a1, B3gnt2
6	GO:0030509	BMP signaling pathway	Biological process	2	Chrd, Htra1
4	GO:0001649	Osteoblast differentiation	Biological process	2	Chrd, Myoc
5	GO:0030198	Extracellular matrix organization	Biological process	2	Col2a1, Tgfbi
5	GO:0002062	Chondrocyte differentiation	Biological process	2	Tgfbi, Col2a1
5	GO:0061448	Connective tissue development	Biological process	2	Col2a1, Tgfbi
5	GO:0051216	Cartilage development	Biological process	2	Col2a1, Tgfbi
5	GO:0060348	Bone development	Biological process	2	Col2a1, Myoc
Molecular Function					
3	GO:0005515	Protein binding	Molecular Function	31	Hspa9,Hsp90b1,Rps3,Sumo2,Hdgf,Myoc,Ubc,,Sptbn1,Angptl1,Tgfbi,Htra1,Rab11a ,Vim,Calm3,Actb,Psmc6,Col2a1,Rps19,HSP90AA1,Tuba1b,Rlc-a,Sars1,Rab1a,Hist1h2ail1,Rpl34,Chrd,Cpd,Tmed2,Rps5,Eif2s1,Dkc1

3	GO:0097159	Organic cyclic compound binding	Molecular Function	27	Yars,Hdgf,Rps3,Sars1,Rps14,Hsp90b1,Rpl27a,Rpl34,Rps4x,Rps5,Taf15,Dkc1,Tuba1b,Vim,Rpl35,Eif1ax,Eif2s1,Actb,Hspa9,Pkn3,Uba1,Psmc6,Rab1a,Rab11a,Nkap,Hist1h2ail1,Rpl17
3	GO:1901363	Heterocyclic compound binding	Molecular Function	27	Yars,Hdgf,Rps3,Sars1,Rps14,Hsp90b1,Rpl27a,Rpl34,Rps4x,Rps5,Taf15,Dkc1,Tuba1b,Vim,Rpl35,Eif1ax,Eif2s1,Actb,Hspa9,Pkn3,Uba1,Psmc6,Rab1a,Rab11a,Nkap,Hist1h2ail1,Rpl17
1	GO:0003674	Molecular_function	Molecular Function	21	Hspa9,Hsp90b1,Yars,Hdgf,Actb,HSP90AA1,Vim,Rps19,Rps3,Calm3,Rpl34,Sumo2,Tmed2,Rps5,Eif2s1,Dkc1,Tuba1b,Rab1a,Rab11a,Sars1,Rlc-a,Myoc,Ubc,Nkap,Taf15,Rps14,Rpl27a,Rps4x,,Rpl35,Rpl17,Rplp0,LOC100360647,Rps25,Rps12,Eif1ax,Sptbn1,Htra1,Cpd,Angptl1,Tgfb1,Pkn3,Uba1,Col2a1,Psmc6,Chrd,B3gnt2,Psm6,Hist1h2ail1
3	GO:0043167	Ion binding	Molecular Function	20	Calm3,Rlc-a,Myoc,Col2a1,Taf15,Actb,Hsp90b1,Hspa9,Pkn3,Uba1,Psmc6,Yars,Sars1,Tuba1b,Rab1a,Rab11a,Sptbn1,Hdgf,Chrd,Cpd
4	GO:0003676	Nucleic acid binding	Molecular Function	20	Yars,Rps3,Hdgf,Sars1,Rps14,Hsp90b1,Rpl27a,Rpl34,Rps4x,Rps5,Taf15,Dkc1,Tuba1b,Vim,Rpl35,Eif1ax,Eif2s1,Nkap,Hist1h2ail1,Rpl17
2	GO:0005488	Binding	Molecular Function	18	Hspa9,Hsp90b1,Yars,Hdgf,Actb,HSP90AA1,Vim,Rps19,Rps3,Calm3,Rpl34,Sumo2,Tmed2,Rps5,Eif2s1,Dkc1,Sars1,Rlc-a,Myoc,Ubc,Nkap,Rps14,Rpl27a,Rps4x,Taf15,Tuba1b,,Rpl35,Eif1ax,Sptbn1,Angptl1,Tgfb1,Col2a1,Htra1,Pkn3,Uba1,Psmc6,Rab1a,Rab11a,Chrd,Cpd,Hist1h2ail1,Rplp0,Rpl17
2	GO:0005198	Structural molecule activity	Molecular Function	18	Rps14,Rps19,Rps3,Rpl17,Rpl27a,Rpl35,Rplp0,Rpl34,Rps4x,Rps5,LOC100360647,Rps25,Rps12,Tuba1b,Vim,Sptbn1,Col2a1,Actb
2	GO:0003824	Catalytic activity	Molecular Function	16	Tuba1b,Rab1a,Rab11a,Dkc1,Hspa9,Htra1,Rps3,Cpd,Pkn3,Sars1,Yars,Uba1,HSP90AA1,B3gnt2,Sumo2,Psmc6
5	GO:0003723	RNA binding	Molecular Function	16	Yars,Tuba1b,Vim,Rps3,Rpl35,Rps5,Eif1ax,Eif2s1,Rps4x,Dkc1,Rps14,Rpl17,Hsp90b1,Rpl27a,Rpl34,Taf15
4	GO:0043168	Anion binding	Molecular Function	14	Actb,Hsp90b1,Hspa9,Pkn3,Uba1,Psmc6,Yars,Sars1,Tuba1b,Rab1a,Rab11a,Sptbn1,Hdgf,Chrd
4	GO:0019899	Enzyme binding	Molecular Function	13	Ubc,Myoc,Calm3,Vim,Rps3,Actb,Rps19,Hsp90b1,Tuba1b,Sumo2,Hspa9,Sptbn1,Cpd
3	GO:0097367	Carbohydrate derivative binding	Molecular Function	13	Actb,Hsp90b1,Hspa9,Pkn3,Uba1,Psmc6,Yars,Sars1,Tuba1b,Rab1a,Rab11a,Hdgf,Chrd
3	GO:0003735	Structural constituent of ribosome	Molecular Function	13	Rps14,Rps19,Rps3,Rpl17,Rpl27a,Rpl35,Rplp0,Rpl34,Rps4x,Rps5,LOC100360647,Rps25,Rps12
3	GO:0036094	Small molecule binding	Molecular Function	12	Hdgf,Actb,Hsp90b1,Hspa9,Pkn3,Uba1,Psmc6,Yars,Sars1,Tuba1b,Rab1a,Rab11a
4	GO:0000166	Nucleotide binding	Molecular Function	12	Actb,Hsp90b1,Hspa9,Pkn3,Uba1,Psmc6,Yars,Sars1,Tuba1b,Rab1a,Rab11a,Hdgf
4	GO:1901265	Nucleoside phosphate binding	Molecular Function	12	Hdgf,Actb,Hsp90b1,Hspa9,Pkn3,Uba1,Psmc6,Yars,Sars1,Tuba1b,Rab1a,Rab11a
4	GO:0032553	Ribonucleotide binding	Molecular Function	11	Actb,Hsp90b1,Hspa9,Pkn3,Uba1,Psmc6,Yars,Sars1,Tuba1b,Rab1a,Rab11a
4	GO:0017076	Purine nucleotide binding	Molecular Function	11	Actb,Hsp90b1,Hspa9,Pkn3,Uba1,Psmc6,Yars,Sars1,Tuba1b,Rab1a,Rab11a
5	GO:0035639	Purine ribonucleoside triphosphate binding	Molecular Function	11	Actb,Hsp90b1,Hspa9,Pkn3,Uba1,Psmc6,Yars,Sars1,Tuba1b,Rab1a,Rab11a
5	GO:0032555	Purine ribonucleotide binding	Molecular Function	11	Actb,Hsp90b1,Hspa9,Pkn3,Uba1,Psmc6,Yars,Sars1,Tuba1b,Rab1a,Rab11a
3	GO:0044877	Protein-containing complex binding	Molecular Function	10	Tgfb1,Hist1h2ail1,Rpl35,Eif2s1,Ubc,Vim,Rps19,Rps3,Cpd,Sptbn1
3	GO:0016787	Hydrolase activity	Molecular Function	9	Tuba1b,Rab1a,Rab11a,Hspa9,Htra1,Cpd,Rps3,HSP90AA1,Psmc6
4	GO:0005102	Signaling receptor binding	Molecular Function	8	Myoc,Tgfb1,Hdgf,Rlc-a,Col2a1,Sumo2,Hsp90b1,Angptl1
3	GO:0008144	Drug binding	Molecular Function	8	Actb,Hsp90b1,Hspa9,Pkn3,Uba1,Psmc6,Yars,Sars1
4	GO:0005524	ATP binding	Molecular Function	8	Actb,Hsp90b1,Hspa9,Pkn3,Uba1,Psmc6,Yars,Sars1
6	GO:0030554	Adenyl nucleotide binding	Molecular Function	8	Actb,Hsp90b1,Hspa9,Pkn3,Uba1,Psmc6,Yars,Sars1
6	GO:0032559	Adenyl ribonucleotide binding	Molecular Function	8	Actb,Hsp90b1,Hspa9,Pkn3,Uba1,Psmc6,Yars,Sars1
4	GO:0042802	Identical protein binding	Molecular Function	7	Rps19,Sars1,Actb,Vim,Htra1,Psmc6,Col2a1
4	GO:0043169	Cation binding	Molecular Function	6	Calm3,Rlc-a,Myoc,Col2a1,Taf15,Cpd
5	GO:0046872	Metal ion binding	Molecular Function	6	Calm3,Rlc-a,Cpd,Myoc,Col2a1,Taf15
4	GO:0008092	Cytoskeletal protein binding	Molecular Function	6	Sptbn1,Rps3,Rab11a,Actb,Calm3,Myoc
5	GO:0019900	Kinase binding	Molecular Function	6	Myoc,Actb,,Vim,Rps19,Rps3,Calm3
6	GO:0019901	Protein kinase binding	Molecular Function	6	Myoc,Actb,,Vim,Rps19,Rps3,Calm3
4	GO:0016817	Hydrolase activity, acting on acid anhydrides	Molecular Function	6	Tuba1b,Rab1a,Rab11a,Hspa9,HSP90AA1,Psmc6
5	GO:0016818	Hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides	Molecular Function	6	Tuba1b,Rab1a,Rab11a,Hspa9,HSP90AA1,Psmc6

6	GO:0016462	Pyrophosphatase activity	Molecular Function	6	Tuba1b,Rab1a,Rab11a,Hspa9,HSP90AA1,Psmc6
7	GO:0017111	Nucleoside-triphosphatase activity	Molecular Function	6	Tuba1b,Rab1a,Rab11a,Hspa9,HSP90AA1,Psmc6
4	GO:0050839	Cell adhesion molecule binding	Molecular Function	5	Tgfb1,Rab1a,Hist1h2ail1,Rpl34,Sptbn1
4	GO:0008134	Transcription factor binding	Molecular Function	5	Sumo2,Hdgf,Psmc6,Actb,Rps3
5	GO:0003677	DNA binding	Molecular Function	5	Rps3,Hdgf,Sars1,Nkap,Hist1h2ail1,
6	GO:0019843	rRNA binding	Molecular Function	5	Rpl17,Rps14,Rps3,Rps4x,Rps5
3	GO:0140096	Catalytic activity, acting on a protein	Molecular Function	4	Htra1,Cpd,Pkn3,Sumo2
4	GO:0019838	Growth factor binding	Molecular Function	4	Htra1,Rps19,Hspa9,Col2a1
3	GO:0016740	Transferase activity	Molecular Function	4	Dkc1,Pkn3,B3gnt2,Sumo2
2	GO:0098772	Molecular function regulator	Molecular Function	4	Hdgf,Calm3,Psmc6,HSP90AA1
3	GO:0005200	Structural constituent of cytoskeleton	Molecular Function	4	Actb,Tuba1b,Vim,Sptbn1
4	GO:0019904	Protein domain specific binding	Molecular Function	4	HSP90AA1,Calm3,Vim,Rab11a
5	GO:0045296	Cadherin binding	Molecular Function	4	Rab1a,Hist1h2ail1,Rpl34,Sptbn1
5	GO:0044389	Ubiquitin-like protein ligase binding	Molecular Function	4	Ubc,Tuba1b,Sumo2,Hspa9
6	GO:0003729	mRNA binding	Molecular Function	4	Rps14,Rps3,Rpl35,Rps5
6	GO:0031625	Ubiquitin protein ligase binding	Molecular Function	4	Ubc,Tuba1b,Sumo2,Hspa9
5	GO:0019902	Phosphatase binding	Molecular Function	3	Hsp90b1,Vim,Cpd
6	GO:0019903	Protein phosphatase binding	Molecular Function	3	Vim,Cpd,Hsp90b1
3	GO:0030234	Enzyme regulator activity	Molecular Function	3	HSP90AA1,Calm3,Psmc6
3	GO:0016874	Ligase activity	Molecular Function	3	Sars1,Yars,Uba1
4	GO:0046983	Protein dimerization activity	Molecular Function	3	Rps19,Sars1,Hist1h2ail1
4	GO:0001882	Nucleoside binding	Molecular Function	3	Tuba1b,Rab1a,Rab11a
5	GO:0001883	Purine nucleoside binding	Molecular Function	3	Tuba1b,Rab1a,Rab11a
5	GO:0032549	Ribonucleoside binding	Molecular Function	3	Tuba1b,Rab1a,Rab11a
5	GO:0001067	Regulatory region nucleic acid binding	Molecular Function	3	Rps3,Hdgf,Sars1
6	GO:0019001	Guanyl nucleotide binding	Molecular Function	3	Tuba1b,Rab1a,Rab11a
6	GO:0032550	Purine ribonucleoside binding	Molecular Function	3	Tuba1b,Rab1a,Rab11a
6	GO:0005525	GTP binding	Molecular Function	3	Tuba1b,Rab1a,Rab11a
6	GO:0032561	Guanyl ribonucleotide binding	Molecular Function	3	Tuba1b,Rab1a,Rab11a
6	GO:0044212	Transcription regulatory region DNA binding	Molecular Function	3	Rps3,Hdgf,Sars1
6	GO:0003690	Double-stranded DNA binding	Molecular Function	3	Rps3,Hdgf,Sars1
6	GO:0043565	Sequence-specific DNA binding	Molecular Function	3	Rps3,Hdgf,Sars1
7	GO:0000976	Transcription regulatory region sequence-specific DNA binding	Molecular Function	3	Rps3,Hdgf,Sars1
7	GO:1990837	Sequence-specific double-stranded DNA binding	Molecular Function	3	Rps3,Hdgf,Sars1
8	GO:0016887	ATPase activity	Molecular Function	3	Hspa9,Psmc6,HSP90AA1
8	GO:0003924	GTPase activity	Molecular Function	3	Tuba1b,Rab1a,Rab11a
4	GO:0008233	Peptidase activity	Molecular Function	2	Htra1,Cpd
4	GO:0017171	Serine hydrolase activity	Molecular Function	2	Htra1,Cpd
5	GO:0070011	Peptidase activity, acting on L-amino acid peptides	Molecular Function	2	Htra1,Cpd,
5	GO:0008236	Serine-type peptidase activity	Molecular Function	2	Htra1,Cpd,
3	GO:1901681	Sulfur compound binding	Molecular Function	2	Hdgf,Chrd,
4	GO:0005539	Glycosaminoglycan binding	Molecular Function	2	Hdgf,Chrd,
4	GO:0008201	Heparin binding	Molecular Function	2	Hdgf,Chrd,
5	GO:0017022	Myosin binding	Molecular Function	2	Rab11a,Myoc
7	GO:0051721	Protein phosphatase 2A binding	Molecular Function	2	Vim,Cpd
2	GO:0140110	Transcription regulator activity	Molecular Function	2	Hdgf,Taf15
2	GO:0031386	Protein tag	Molecular Function	2	Ubc,Sumo2
3	GO:0140097	Catalytic activity, acting on DNA	Molecular Function	2	Dkc1,Rps3
3	GO:0140098	Catalytic activity, acting on RNA	Molecular Function	2	Sars1,Yars
3	GO:0003682	Chromatin binding	Molecular Function	2	Nkap,Hist1h2ail1
4	GO:0051082	Unfolded protein binding	Molecular Function	2	Hsp90b1,Hspa9
4	GO:0016772	Transferase activity, transferring phosphorus-containing groups	Molecular Function	2	Dkc1,Pkn3
4	GO:0031072	Heat shock protein binding	Molecular Function	2	Rps3,Hspa9
4	GO:0043021	Ribonucleoprotein complex binding	Molecular Function	2	Eif2s1,Rpl35
4	GO:0016875	Ligase activity, forming carbon-oxygen bonds	Molecular Function	2	Sars1,Yars
4	GO:0140101	Catalytic activity, acting on a tRNA	Molecular Function	2	Sars1,Yars
4	GO:0031490	Chromatin DNA binding	Molecular Function	2	Hist1h2ail1,Nkap
4	GO:0030235	Nitric-oxide synthase regulator activity	Molecular Function	2	HSP90AA1,Calm3

5	GO:0042803	Protein homodimerization activity	Molecular Function	2	Rps19,Sars1
5	GO:0015631	Tubulin binding	Molecular Function	2	Rps3,Rab11a
5	GO:0004812	Aminoacyl-tRNA ligase activity	Molecular Function	2	Sars1,Yars
5	GO:0001221	Transcription cofactor binding	Molecular Function	2	Sumo2,Hdgf
5	GO:0017134	Fibroblast growth factor binding	Molecular Function	2	Rps19,Hspa9
5	GO:0050998	Nitric-oxide synthase binding	Molecular Function	2	Actb,Calm3
6	GO:0003725	Double-stranded RNA binding	Molecular Function	2	Tuba1b,Vim
6	GO:0008017	Microtubule binding	Molecular Function	2	Rps3,Rab11a
6	GO:0005509	Calcium ion binding	Molecular Function	2	Calm3,Rlc-a
6	GO:0008135	Translation factor activity, RNA binding	Molecular Function	2	Eif1ax,Eif2s1
6	GO:0001222	Transcription corepressor binding	Molecular Function	2	Sumo2,Hdgf
7	GO:0001012	RNA polymerase II regulatory region DNA binding	Molecular Function	2	Rps3,Hdgf
7	GO:0003743	Translation initiation factor activity	Molecular Function	2	Eif1ax,Eif2s1
7	GO:0070181	Small ribosomal subunit rRNA binding	Molecular Function	2	Rps14,Rps3
8	GO:0000977	RNA polymerase II regulatory region sequence-specific DNA binding	Molecular Function	2	Hdgf,Rps3
9	GO:0042623	ATPase activity, coupled	Molecular Function	2	Psmc6,Hspa9
Cellular Component					
1	GO:0005575	Cellular_component	Cellular Component	47	Rab11a, Rplp0, B3gnt2, Sptbn1, Tgfbi, Hdgf, Col2a1, Actb, Hsp90b1, Hist1h2ail1, Calm3, Rlc-a, Vim, Rps3, Htra1, Cpd, Rab1a, Tmed2, Hspa9, Psmc6, Eif2s1, Psmc6, Yars, Myoc, Angptl1, Chrd, Ubc, Tuba1b, HSP90AA1, Rps14, Rps19, Rpl34, Rps4x, Rps5, LOC100360647, Rps25, Rps12, Dkc1, Rpl17, Rpl27a, Uba1, Nkap, Sumo2, Pkn3, Taf15, Sars1, Rpl35
2	GO:0005623	Cell	Cellular Component	45	Actb, Vim, Rps3, Hsp90b1, Calm3, Htra1, Cpd, Sptbn1, Rab1a, B3gnt2, Rpl17, Rpl27a, Rpl35, Rplp0, Rpl34, Rps12, Rps14, Rps19, Rps4x, Rps5, Rps25, Hist1h2ail1, Psmc6, Psmc6, Uba1, Rab11a, Dkc1, Rlc-a, Hspa9, Nkap, Yars, Sars1, LOC100360647, Eif2s1, Ubc, HSP90AA1, Sumo2, Hdgf, Pkn3, Taf15, Tuba1b, Myoc, Col2a1, Tmed2, Tgfbi
2	GO:0044464	Cell part	Cellular Component	45	Actb, Vim, Rps3, Hsp90b1, Calm3, Htra1, Cpd, Sptbn1, Rab1a, Rab11a, Myoc, Ubc, Tuba1b, HSP90AA1, Hspa9, Psmc6, Psmc6, Rps19, Rplp0, Hdgf, Uba1, Eif2s1, Col2a1, Taf15, Sars1, Yars, Rpl34, Rps14, Rps4x, Rps5, LOC100360647, Rps25, Rps12, Nkap, Rpl17, Hist1h2ail1, Sumo2, Pkn3, Dkc1, Rpl27a, Tmed2, B3gnt2, Rpl35, Rlc-a, Tgfbi
3	GO:0005622	Intracellular	Cellular Component	45	Rab1a, B3gnt2, Rpl17, Rpl27a, Rpl35, Rplp0, Rpl34, Rps12, Rps14, Rps19, Rps3, Rps4x, Rps5, Rps25, Hist1h2ail1, Psmc6, Psmc6, Uba1, Rab11a, Calm3, Dkc1, Vim, Actb, Rlc-a, Hspa9, Nkap, Hsp90b1, Htra1, Yars, Sars1, LOC100360647, Eif2s1, Ubc, HSP90AA1, Sumo2, Hdgf, Pkn3, Cpd, Sptbn1, Taf15, Tuba1b, Myoc, Col2a1, Tmed2, Tgfbi
3	GO:0044424	Intracellular part	Cellular Component	45	Psmc6, Psmc6, Ubc, Tuba1b, HSP90AA1, Vim, Rps19, Rps3, Myoc, Rab11a, Calm3, Rplp0, Hdgf, Hspa9, Uba1, Eif2s1, Col2a1, Sptbn1, Taf15, Sars1, Yars, Tmed2, Cpd, Rps12, Rpl34, Actb, Nkap, Rab1a, Hsp90b1, Rpl27a, Htra1, Rps14, Rps4x, Rps5, LOC100360647, Rps25, B3gnt2, Rpl17, Hist1h2ail1, Sumo2, Pkn3, Dkc1, Tgfbi, Rpl35, Rlc-a, Myoc, Rab11a, Tmed2, Cpd, Rps12, Actb, Sptbn1, Rpl34, Hspa9, Uba1, Vim, Ubc, Nkap, HSP90AA1, Rps3, Rpl17, Hist1h2ail1, Calm3, Rplp0, Sumo2, Hdgf, Pkn3, Rps25, Psmc6, Eif2s1, Taf15, Sars1, Dkc1, Hsp90b1, Rpl27a, B3gnt2, Rab1a, Rps14, Rps19, Rps4x, Rps5, LOC100360647, Tuba1b, Rpl35, Rlc-a, Tgfbi, Yars
2	GO:0043226	Organelle	Cellular Component	42	Rab11a, Tmed2, Cpd, Rps12, Rpl34, Hspa9, Uba1, Ubc, Actb, Nkap, HSP90AA1, Rps3, Rpl17, Hist1h2ail1, Calm3, Rplp0, Sumo2, Hdgf, Pkn3, Rps25, Psmc6, Eif2s1, Taf15, Sars1, Dkc1, Hsp90b1, Rpl27a, B3gnt2, Rab1a, Rps14, Rps19, Rps4x, Rps5, LOC100360647, Vim, Tuba1b, Rpl35, Rlc-a, Tgfbi, Yars
3	GO:0043229	Intracellular organelle	Cellular Component	42	Rab11a, Tmed2, Cpd, Rps12, Rpl34, Hspa9, Uba1, Ubc, Actb, Nkap, HSP90AA1, Rps3, Rpl17, Hist1h2ail1, Calm3, Rplp0, Sumo2, Hdgf, Pkn3, Rps25, Psmc6, Eif2s1, Sptbn1, Taf15, Sars1, Dkc1, Hsp90b1, Myoc, Rpl27a, B3gnt2, Rab1a, Rps14, Rps19, Rps4x, Rps5, LOC100360647, Vim, Tuba1b, Rpl35, Rlc-a, Tgfbi, Yars

4	GO:0005737	Cytoplasm	Cellular Component	40	Rlc-a, Rab1a, B3gnt2, Rpl17, Rpl27a, Rpl35, Rplp0, Rpl34, Rps12, Rps14, Rps19, Rps3, Rps4x, Rps5, Rps25, Hspa9, Uba1, Actb, Nkap, Vim, Hsp90b1, Calm3, Htra1, Yars, Sars1, LOC100360647, Eif2s1, Myoc, HSP90AA1, Rab11a, Tmed2, Cpd, Tgfbi, Tuba1b, Sptbn1, Psmc6, Ubc, Hdgf, Col2a1, Taf15
2	GO:0044422	Organelle part	Cellular Component	37	Calm3, Rlc-a, Sptbn1, Rpl17, Rps3, Myoc, Rab1a, B3gnt2, Uba1, Tmed2, Rab11a, Tgfbi, Cpd, Hspa9, Hsp90b1, Rpl27a, Rpl35, Rplp0, Rpl34, Rps12, Rps14, Rps19, Rps4x, Rps5, Rps25, Hist1h2ail1, Dkc1, Nkap, Hdgf, Taf15, Vim, Yars, Psmc6, Actb, Tuba1b, HSP90AA1, Myoc, Rpl17, Rps4x, Rps5, Hist1h2ail1, Nkap, Rps19, Calm3, Hdgf, Uba1, Taf15, Dkc1, Rps14, Rps3, Hspa9, Rps25, Sptbn1, Vim, Psmc6, Rab11a, Actb, Rab1a, B3gnt2, Hsp90b1, Tmed2, HSP90AA1, Rpl27a, Rpl35, Rplp0, Rpl34, Rps12, Rlc-a, Tgfbi, Cpd, Yars, Tuba1b, Sumo2
3	GO:0044446	Intracellular organelle part	Cellular Component	37	Rpl34, Hspa9, Uba1, Actb, Nkap, Vim, Rab1a, Rps19, Rps3, Hsp90b1, Rpl27a, Calm3, Rplp0, Htra1, Rps12, Yars, Sars1, Rps14, Rps4x, Rps5, LOC100360647, Rps25, Eif2s1, Myoc, Tmed2, B3gnt2, Rab11a, Cpd, Tuba1b, Rpl17, Rpl35, Psmc6, Sptbn1, Rlc-a, HSP90AA1, Tgfbi
4	GO:0044444	Cytoplasmic part	Cellular Component	36	Rab11a, Tmed2, Cpd, Rps12, Rpl34, Hspa9, Uba1, Ubc, Actb, Nkap, HSP90AA1, Rps3, Rpl17, Hist1h2ail1, Calm3, Rplp0, Sumo2, Hdgf, Pkn3, Rps25, Psmc6, Eif2s1, Sptbn1, Taf15, Sars1, Dkc1, Hsp90b1, Myoc, Rpl27a, B3gnt2, Rab1a, Vim, Tgfbi, Rps19, Rps14, Yars
3	GO:0043227	Membrane-bounded organelle	Cellular Component	36	Rpl34, Hspa9, Uba1, Ubc, Actb, Nkap, HSP90AA1, Rps3, Rpl17, Hist1h2ail1, Calm3, Rplp0, Sumo2, Hdgf, Pkn3, Rps25, Cpd, Psmc6, Eif2s1, Sptbn1, Taf15, Sars1, Dkc1, Hsp90b1, Myoc, Rpl27a, Tmed2, B3gnt2, Rab1a, Rab11a, Rps12, Vim, Rps19, Rps14, Yars, Tgfbi
4	GO:0043231	Intracellular membrane-bounded organelle	Cellular Component	36	Actb, Col2a1, Psmc6, Eif2s1, Psmc6, Hdgf, Yars, Hsp90b1, Rps3, Calm3, Rps14, Rps19, Rpl34, Rps4x, Rps5, LOC100360647, Rps25, Rps12, Dkc1, Vim, Rpl17, Rlc-a, Hist1h2ail1, Rpl27a, Rplp0, Rpl35, Rab11a, Sptbn1
2	GO:0032991	Protein-containing complex	Cellular Component	28	Hist1h2ail1, Dkc1, Nkap, Rps19, Calm3, Hdgf, Uba1, Taf15, Rps14, Rps3, Hspa9, Rps25, Sptbn1, Vim, Yars, Sumo2, Psmc6, Actb, Ubc, HSP90AA1, Rpl17, Rplp0, Pkn3, Cpd, Eif2s1, Sars1
5	GO:0005634	Nucleus	Cellular Component	26	Actb, Rps14, Rps19, Rps3, Rpl34, Rps4x, Rps5, LOC100360647, Rps25, Rps12, Eif2s1, Hspa9, Sptbn1, Dkc1, Vim, Rpl27a, Hist1h2ail1, Tuba1b, Rplp0, Rab11a, Calm3, Rpl17, Rpl35, Rlc-a, Uba1
3	GO:0043228	Non-membrane-bounded organelle	Cellular Component	25	Actb, Rps14, Rps19, Rps3, Rpl34, Rps4x, Rps5, LOC100360647, Rps25, Rps12, Eif2s1, Hspa9, Sptbn1, Dkc1, Vim, Rpl27a, Hist1h2ail1, Tuba1b, Rplp0, Rab11a, Calm3, Rpl17, Rpl35, Rlc-a, Uba1
4	GO:0043232	Intracellular non-membrane-bounded organelle	Cellular Component	25	Actb, Rps14, Rps19, Rps3, Rpl34, Rps4x, Rps5, LOC100360647, Rps25, Rps12, Eif2s1, Hspa9, Sptbn1, Dkc1, Vim, Rpl27a, Hist1h2ail1, Tuba1b, Rplp0, Rab11a, Calm3, Rpl17, Rpl35, Rlc-a, Uba1
5	GO:0005829	Cytosol	Cellular Component	23	Rpl17, Rpl27a, Rpl35, Rplp0, Rpl34, Rps12, Rps14, Rps19, Rps3, Rps4x, Rps5, Rps25, Psmc6, Actb, Nkap, Vim, Rab1a, Hsp90b1, Calm3, Htra1, Uba1, Yars, Sars1
2	GO:0031974	Membrane-enclosed lumen	Cellular Component	20	Rps3, Hspa9, Hsp90b1, Myoc, Hist1h2ail1, Nkap, Rps19, Calm3, Hdgf, Uba1, Taf15, Dkc1, Rps14, Rps25, Sptbn1, Psmc6, Vim, Yars, Sumo2, Actb
3	GO:0043233	Organelle lumen	Cellular Component	20	Rps3, Hspa9, Hsp90b1, Myoc, Hist1h2ail1, Nkap, Rps19, Calm3, Hdgf, Uba1, Taf15, Dkc1, Rps14, Rps25, Sptbn1, Psmc6, Vim, Yars, Sumo2, Actb
4	GO:0070013	Intracellular organelle lumen	Cellular Component	20	Rps3, Hspa9, Hsp90b1, Myoc, Hist1h2ail1, Nkap, Rps19, Calm3, Hdgf, Uba1, Taf15, Dkc1, Rps14, Rps25, Sptbn1, Psmc6, Vim, Yars, Sumo2, Actb
4	GO:0044428	Nuclear part	Cellular Component	18	Hist1h2ail1, Nkap, Rps19, Calm3, Hdgf, Uba1, Taf15, Dkc1, Rps14, Rps3, Hspa9, Rps25, Sptbn1, Vim, Psmc6, Yars, Sumo2, Actb
5	GO:0031981	Nuclear lumen	Cellular Component	18	Hist1h2ail1, Nkap, Rps19, Calm3, Hdgf, Uba1, Taf15, Dkc1, Rps14, Rps3, Hspa9, Rps25, Sptbn1, Psmc6, Vim, Yars, Sumo2, Actb
2	GO:0016020	Membrane	Cellular Component	17	Actb, Vim, Rps3, Hsp90b1, Calm3, Htra1, Cpd, Sptbn1, Rab1a, Tmed2, Uba1, Rab11a, HSP90AA1, Myoc, B3gnt2, Tuba1b, Rplp0
3	GO:1990904	Ribonucleoprotein complex	Cellular Component	17	Rps14, Rps19, Rps3, Rpl34, Rps4x, Rps5, LOC100360647, Rps25, Rps12, Eif2s1, Dkc1, Vim, Rpl17, Rpl27a, Actb, Rplp0, Rpl35

3	GO:0012505	Endomembrane system	Cellular Component	15	Rab11a, Rps3, Hsp90b1, Myoc, Rpl27a, Rplp0, Rpl34, Tmed2, B3gnt2, Rab1a, Cpd, Rps12, Uba1, Calm3, Tgfbf
4	GO:0005840	Ribosome	Cellular Component	14	Rpl27a, Rpl17, Rpl35, Rplp0, Rpl34, Rps12, Rps14, Rps19, Rps3, Rps4x, Rps5, Rps25, LOC100360647, Eif2s1
5	GO:0031410	Cytoplasmic vesicle	Cellular Component	10	Rab11a, Rab1a, Tmed2, Vim, HSP90AA1, Hsp90b1, Cpd, Calm3, Uba1, Myoc
2	GO:0044425	Membrane part	Cellular Component	12	Rab1a, Hsp90b1, Tmed2, Uba1, B3gnt2, Cpd, Sptbn1, Rps3, Calm3, Rab11a, Tuba1b, Actb
4	GO:0044391	Ribosomal subunit	Cellular Component	12	Rpl17, Rps4x, Rps5, Rpl27a, Rpl35, Rplp0, Rpl34, Rps12, Rps14, Rps19, Rps3, Rps25
5	GO:0022626	Cytosolic ribosome	Cellular Component	12	Rpl17, Rpl27a, Rpl35, Rplp0, Rpl34, Rps12, Rps14, Rps19, Rps3, Rps4x, Rps5, Rps25
5	GO:0005654	Nucleoplasm	Cellular Component	11	Dkc1, Yars, Sumo2, Actb, Nkap, Rps19, Hist1h2ail1, Calm3, Hdgf, Uba1, Taf15
3	GO:0071944	Cell periphery	Cellular Component	10	Actb, Vim, Rps3, Hsp90b1, Calm3, Htra1, Cpd, Sptbn1, Rlc-a, Rab11a
3	GO:0097458	Neuron part	Cellular Component	10	Actb, Sptbn1, Vim, Calm3, Rab1a, Cpd, Rab11a, Rps3, Rplp0, Myoc
4	GO:0031982	Vesicle	Cellular Component	10	Myoc, Rab11a, Rab1a, Tmed2, Cpd, HSP90AA1, Hsp90b1, Vim, Calm3, Uba1
4	GO:0097708	Intracellular vesicle	Cellular Component	10	Myoc, Rab11a, Rab1a, Tmed2, Vim, Cpd, HSP90AA1, Hsp90b1, Calm3, Uba1
4	GO:0005783	Endoplasmic reticulum	Cellular Component	10	Hsp90b1, Myoc, Uba1, Rab1a, Tmed2, Rps3, Rpl27a, Rplp0, Rpl34, B3gnt2
5	GO:0044445	Cytosolic part	Cellular Component	10	Rpl17, Rpl27a, Rpl35, Rplp0, Rpl34, Rps12, Rps14, Rps19, Rps3, Rps4x, Rps5, Rps25, Psmc6
2	GO:0005576	Extracellular region	Cellular Component	9	Col2a1, Tgfbf, Myoc, Htra1, Hdgf, Cpd, Angpt1, Chrd, Rab11a
2	GO:0044421	Extracellular region part	Cellular Component	9	Myoc, Htra1, Tgfbf, Hdgf, Cpd, Angpt1, Col2a1, Chrd, Rab11a
3	GO:0005615	Extracellular space	Cellular Component	9	Myoc, Rab11a, Htra1, Tgfbf, Hdgf, Cpd, Angpt1, Col2a1, Chrd
3	GO:0005886	Plasma membrane	Cellular Component	9	Calm3, Sptbn1, Rab11a, Rps3, Cpd, Actb, Vim, Hsp90b1, Htra1
3	GO:0031090	Organelle membrane	Cellular Component	9	Calm3, Rps3, Myoc, Rab1a, B3gnt2, Uba1, Tmed2, HSP90AA1, Rab11a
3	GO:0042995	Cell projection	Cellular Component	9	Myoc, Vim, Calm3, Actb, Rab11a, Rps3, Rplp0, Eif2s1, Sptbn1
4	GO:0120025	Plasma membrane bounded cell projection	Cellular Component	9	Myoc, Vim, Calm3, Actb, Rab11a, Rps3, Rplp0, Eif2s1, Sptbn1
4	GO:0005794	Golgi apparatus	Cellular Component	8	Rab1a, B3gnt2, Rab11a, Tgfbf, Cpd, Tmed2, Myoc, Rps12
4	GO:0031984	Organelle subcompartment	Cellular Component	8	Rab11a, Tgfbf, Cpd, Tmed2, Rab1a, B3gnt2, Hsp90b1, Uba1
4	GO:0098588	Bounding membrane of organelle	Cellular Component	8	Rab1a, B3gnt2, Uba1, Tmed2, Rab11a, Myoc, HSP90AA1, Calm3
4	GO:0043005	Neuron projection	Cellular Component	8	Actb, Vim, Rab11a, Rps3, Rplp0, Sptbn1, Calm3, Myoc
2	GO:0099080	Supramolecular complex	Cellular Component	8	Vim, Tuba1b, Rab11a, Calm3, Rlc-a, Sptbn1, Rpl17, Col2a1
3	GO:0099081	Supramolecular polymer	Cellular Component	8	Vim, Tuba1b, Calm3, Rab11a, Rlc-a, Sptbn1, Rpl17, Col2a1
4	GO:0099512	Supramolecular fiber	Cellular Component	8	Vim, Tuba1b, Rab11a, Calm3, Rlc-a, Sptbn1, Rpl17, Col2a1
3	GO:0098805	Whole membrane	Cellular Component	8	Uba1, Tmed2, Rab11a, Myoc, HSP90AA1, Calm3, Tuba1b, Actb
5	GO:0005856	Cytoskeleton	Cellular Component	8	Actb, Tuba1b, Sptbn1, Rab11a, Vim, Calm3, Rlc-a, Rps3
4	GO:0044430	Cytoskeletal part	Cellular Component	8	Rab11a, Calm3, Actb, Sptbn1, Rps3, Rlc-a, Vim, Tuba1b
3	GO:0043209	Myelin sheath	Cellular Component	7	Myoc, Ubc, Tuba1b, Actb, HSP90AA1, Calm3, Hspa9
5	GO:0005730	Nucleolus	Cellular Component	7	Dkc1, Rps14, Rps19, Rps3, Hspa9, Rps25, Sptbn1
5	GO:0015935	Small ribosomal subunit	Cellular Component	7	Rps14, Rps19, Rps3, Rps4x, Rps5, Rps25, Rps12
6	GO:0022627	Cytosolic small ribosomal subunit	Cellular Component	7	Rps14, Rps19, Rps3, Rps4x, Rps5, Rps25, Rps12
4	GO:0044431	Golgi apparatus part	Cellular Component	6	Rab1a, B3gnt2, Tmed2, Rab11a, Tgfbf, Cpd
5	GO:0098791	Golgi subcompartment	Cellular Component	6	Rab1a, B3gnt2, Rab11a, Tgfbf, Cpd, Tmed2
5	GO:0030424	Axon	Cellular Component	6	Calm3, Sptbn1, Myoc, Actb, Vim, Rab11a
2	GO:0044456	Synapse part	Cellular Component	6	Calm3, Cpd, Rab1a, Rab11a, Actb, Sptbn1
2	GO:0045202	Synapse	Cellular Component	6	Actb, Sptbn1, Calm3, Cpd, Rab1a, Rab11a
5	GO:0005739	Mitochondrion	Cellular Component	6	Myoc, Rps3, Hspa9, Calm3, Rpl34, Uba1
5	GO:0015934	Large ribosomal subunit	Cellular Component	6	Rpl17, Rpl27a, Rpl35, Rplp0, Rpl34, Rps12
6	GO:0022625	Cytosolic large ribosomal subunit	Cellular Component	6	Rpl17, Rpl27a, Rpl35, Rplp0, Rpl34, Rps12
3	GO:0031012	Extracellular matrix	Cellular Component	5	Tgfbf, Col2a1, Myoc, Htra1, Hdgf
3	GO:0044459	Plasma membrane part	Cellular Component	5	Rps3, Rab11a, Cpd, Calm3, Sptbn1
3	GO:0044463	Cell projection part	Cellular Component	5	Rps3, Rplp0, Sptbn1, Calm3, Myoc
4	GO:0120038	Plasma membrane bounded cell projection part	Cellular Component	5	Rps3, Rplp0, Calm3, Sptbn1, Myoc
6	GO:0099503	Secretory vesicle	Cellular Component	5	Cpd, Rab1a, Rab11a, Calm3, Tmed2

3	GO:1902494	Catalytic complex	Cellular Component	5	Dkc1, Psmc6, Psmc6, Actb, Calm3
4	GO:0005844	Polysome	Cellular Component	5	Vim, Rps3, Rpl17, Rps4x, Rps25
3	GO:0031224	Intrinsic component of membrane	Cellular Component	4	Tmed2, B3gnt2, Cpd, Calm3
4	GO:0016021	Integral component of membrane	Cellular Component	4	Calm3, Tmed2, B3gnt2, Cpd
3	GO:0098590	Plasma membrane region	Cellular Component	4	Rab11a, Cpd, Rps3, Sptbn1
5	GO:0048471	Perinuclear region of cytoplasm	Cellular Component	4	Vim, Hsp90b1, Rab11a, Cpd
4	GO:0044429	Mitochondrial part	Cellular Component	4	Myoc, Rps3, Hspa9, Calm3
6	GO:0015630	Microtubule cytoskeleton	Cellular Component	4	Rab11a, Tuba1b, Calm3, Rps3
5	GO:0099513	Polymeric cytoskeletal fiber	Cellular Component	4	Vim, Tuba1b, Calm3, Rab11a
4	GO:0036477	Somatodendritic compartment	Cellular Component	4	Rab1a, Cpd, Rps3, Rplp0
4	GO:0035770	Ribonucleoprotein granule	Cellular Component	4	Actb, Rplp0, Rps4x, Eif2s1
4	GO:0044433	Cytoplasmic vesicle part	Cellular Component	4	Tmed2, Uba1, Calm3, Rab11a
5	GO:0036464	Cytoplasmic ribonucleoprotein granule	Cellular Component	4	Eif2s1, Actb, Rplp0, Rps4x
3	GO:0005789	Endoplasmic reticulum membrane	Cellular Component	4	Uba1, Rab1a, Hsp90b1, Tmed2
3	GO:0042175	Nuclear outer membrane-endoplasmic reticulum membrane network	Cellular Component	4	Rab1a, Hsp90b1, Tmed2, Uba1
4	GO:0044432	Endoplasmic reticulum part	Cellular Component	4	Hsp90b1, Rab1a, Tmed2, Uba1
5	GO:0098827	Endoplasmic reticulum subcompartment	Cellular Component	4	Rab1a, Hsp90b1, Tmed2, Uba1
3	GO:0044449	Contractile fiber part	Cellular Component	4	Calm3, Rlc-a, Sptbn1, Rpl17
4	GO:0030017	Sarcomere	Cellular Component	4	Rpl17, Sptbn1, Rlc-a, Calm3
5	GO:0043292	Contractile fiber	Cellular Component	4	Calm3, Rlc-a, Sptbn1, Rpl17
6	GO:0030016	Myofibril	Cellular Component	4	Calm3, Rpl17, Sptbn1, Rlc-a
5	GO:0044451	Nucleoplasm part	Cellular Component	4	Yars, Dkc1, Sumo2, Actb
6	GO:0005802	Trans-golgi network	Cellular Component	3	Rab11a, Tgfbi, Cpd
3	GO:0044297	Cell body	Cellular Component	3	Rab1a, Cpd, Vim
4	GO:0033267	Axon part	Cellular Component	3	Calm3, Sptbn1, Myoc
3	GO:0031975	Envelope	Cellular Component	3	Myoc, Calm3, Rps3
4	GO:0031967	Organelle envelope	Cellular Component	3	Myoc, Calm3, Rps3
5	GO:0000139	Golgi membrane	Cellular Component	3	Tmed2, Rab1a, B3gnt2
5	GO:0005740	Mitochondrial envelope	Cellular Component	3	Myoc, Calm3, Rps3
4	GO:0031966	Mitochondrial membrane	Cellular Component	3	Myoc, Rps3, Calm3
6	GO:0015629	Actin cytoskeleton	Cellular Component	3	Actb, Rlc-a, Sptbn1
6	GO:0048770	Pigment granule	Cellular Component	3	HSP90AA1, Rab1a, Hsp90b1
6	GO:0005874	Microtubule	Cellular Component	3	Calm3, Tuba1b, Rab11a
7	GO:0042470	Melanosome	Cellular Component	3	HSP90AA1, Rab1a, Hsp90b1
4	GO:0005938	Cell cortex	Cellular Component	3	Rlc-a, Sptbn1, Actb
5	GO:0099568	Cytoplasmic region	Cellular Component	3	Rlc-a, Sptbn1, Actb
5	GO:0044448	Cell cortex part	Cellular Component	3	Sptbn1, Actb, Rlc-a
3	GO:0098794	Postsynapse	Cellular Component	3	Rab11a, Actb, Sptbn1
3	GO:0031252	Cell leading edge	Cellular Component	3	Sptbn1, Rps3, Vim
4	GO:0005768	Endosome	Cellular Component	3	Rab1a, Rab11a, Uba1
4	GO:0030133	Transport vesicle	Cellular Component	3	Rab1a, Rab11a, Calm3
5	GO:0005819	Spindle	Cellular Component	3	Rab11a, Calm3, Rps3
5	GO:0070382	Exocytic vesicle	Cellular Component	3	Calm3, Rab1a, Rab11a
5	GO:0000785	Chromatin	Cellular Component	2	Hist1h2ail1, Uba1
6	GO:0016604	Nuclear body	Cellular Component	3	Dkc1, Sumo2, Yars
4	GO:0062023	Collagen-containing extracellular matrix	Cellular Component	2	Tgfbi, Col2a1
5	GO:0005604	Basement membrane	Cellular Component	2	Tgfbi, Col2a1
4	GO:0043025	Neuronal cell body	Cellular Component	2	Rab1a, Cpd
4	GO:0030141	Secretory granule	Cellular Component	2	Tmed2, Cpd
3	GO:0043230	Extracellular organelle	Cellular Component	2	Myoc, Rab11a
4	GO:0019866	Organelle inner membrane	Cellular Component	2	Rps3, Myoc
4	GO:1903561	Extracellular vesicle	Cellular Component	2	Myoc, Rab11a
4	GO:0070062	Extracellular exosome	Cellular Component	2	Myoc, Rab11a
5	GO:0005743	Mitochondrial inner membrane	Cellular Component	2	Rps3, Myoc
5	GO:0005791	Rough endoplasmic reticulum	Cellular Component	2	Uba1, Myoc
5	GO:0044304	Main axon	Cellular Component	2	Sptbn1, Myoc
4	GO:1905368	Peptidase complex	Cellular Component	2	Psmc6, Psmc6

4	GO:0000502	Proteasome complex	Cellular Component	2	Psmc6, Psmc6
5	GO:1905369	Endopeptidase complex	Cellular Component	2	Psmc6, Psmc6
2	GO:0030054	Cell junction	Cellular Component	2	Uba1, Actb
3	GO:0098793	Presynapse	Cellular Component	2	Calm3, Rab1a
5	GO:0005815	Microtubule organizing center	Cellular Component	2	Rab11a, Calm3
6	GO:0005813	Centrosome	Cellular Component	2	Rab11a, Calm3
4	GO:0012506	Vesicle membrane	Cellular Component	2	Calm3, Tmed2
4	GO:0031253	Cell projection membrane	Cellular Component	2	Rps3, Sptbn1
4	GO:0044427	Chromosomal part	Cellular Component	2	Hist1h2ail1, Uba1
5	GO:0030659	Cytoplasmic vesicle membrane	Cellular Component	2	Tmed2, Calm3
5	GO:0005773	Vacuole	Cellular Component	2	HSP90AA1, Uba1
5	GO:0005694	Chromosome	Cellular Component	2	Hist1h2ail1, Uba1
5	GO:0030425	Dendrite	Cellular Component	2	Rps3, Rplp0
5	GO:0097447	Dendritic tree	Cellular Component	2	Rps3, Rplp0
6	GO:0000323	Lytic vacuole	Cellular Component	2	HSP90AA1, Uba1
7	GO:0005764	Lysosome	Cellular Component	2	HSP90AA1, Uba1
3	GO:0005838	Proteasome regulatory particle	Cellular Component	2	Psmc6, Psmc6
3	GO:0022624	Proteasome accessory complex	Cellular Component	2	Psmc6, Psmc6
4	GO:0005774	Vacuolar membrane	Cellular Component	2	HSP90AA1, Uba1
4	GO:0044437	Vacuolar part	Cellular Component	2	HSP90AA1, Uba1
5	GO:0098852	Lytic vacuole membrane	Cellular Component	2	HSP90AA1, Uba1
5	GO:0032432	Actin filament bundle	Cellular Component	2	Actb, Rlc-a
5	GO:0042641	Actomyosin	Cellular Component	2	Actb, Rlc-a
6	GO:0005765	Lysosomal membrane	Cellular Component	2	HSP90AA1, Uba1
6	GO:0030863	Cortical cytoskeleton	Cellular Component	2	Sptbn1, Actb
6	GO:0030139	Endocytic vesicle	Cellular Component	2	Vim, Rab11a
6	GO:0097517	Contractile actin filament bundle	Cellular Component	2	Actb, Rlc-a
6	GO:0001725	Stress fiber	Cellular Component	2	Actb, Rlc-a
3	GO:0098589	Membrane region	Cellular Component	2	Tuba1b, Actb
3	GO:0070161	Anchoring junction	Cellular Component	2	Uba1, Actb
3	GO:0099572	Postsynaptic specialization	Cellular Component	2	Actb, Sptbn1
3	GO:0098984	Neuron to neuron synapse	Cellular Component	2	Actb, Sptbn1
4	GO:0098857	Membrane microdomain	Cellular Component	2	Tuba1b, Actb
4	GO:0010008	Endosome membrane	Cellular Component	2	Rab11a, Uba1
4	GO:0014069	Postsynaptic density	Cellular Component	2	Actb, Sptbn1
4	GO:0031672	A band	Cellular Component	2	Sptbn1, Rpl17
4	GO:0032279	Asymmetric synapse	Cellular Component	2	Actb, Sptbn1
5	GO:0045121	Membrane raft	Cellular Component	2	Tuba1b, Actb
5	GO:0005759	Mitochondrial matrix	Cellular Component	2	Hspa9, Rps3
5	GO:0044440	Endosomal part	Cellular Component	2	Uba1, Rab11a
7	GO:0045335	Phagocytic vesicle	Cellular Component	2	Vim, Rab11a
4	GO:0031256	Leading edge membrane	Cellular Component	2	Rps3, Sptbn1
5	GO:0000922	Spindle pole	Cellular Component	2	Rab11a, Calm3
6	GO:0005876	Spindle microtubule	Cellular Component	2	Rab11a, Calm3