catalytic activity oxidoreductase activity pyrophosphatase activity hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides GTP binding guanyl ribonucleotide binding hydrolase activity, acting on acid anhydrides ribonucleoside triphosphate phosphatase activity guanyl nucleotide binding primary active transmembrane transporter activity proton transmembrane transporter activity translation initiation factor activity electron transfer activity oxidoreductase activity, acting on the aldehyde or oxo group of donors, NAD or NADP as acceptor sulfur compound binding GTPase activity oxidoreduction-driven active transmembrane transporter activity ion binding cis-trans isomerase activity peptidyl-prolyl cis-trans isomerase activity catalytic activity, acting on RNA translation factor activity, RNA binding translation regulator activity, nucleic acid binding ATP hydrolysis activity isomerase activity nucleotide binding nucleoside phosphate binding translation regulator activity small molecule binding ATPase-coupled transmembrane transporter activity oxidoreductase activity, acting on the aldehyde or oxo group of donors dioxygenase activity catalytic activity, acting on a tRNA oxidoreductase activity, acting on the CH-OH group of donors, NAD or NADP as acceptor active transmembrane transporter activity unfolded protein binding threonine-type endopeptidase activity purine nucleotide binding magnesium ion binding transferase activity, transferring one-carbon groups NAD binding anion binding hydro-lyase activity oxidoreductase activity, acting on CH-OH group of donors ligase activity, forming carbon-oxygen bonds aminoacyl-tRNA ligase activity vitamin binding oxidoreductase activity, acting on NAD(P)H metal ion binding oxidoreductase activity, acting on the CH-CH group of donors heterocyclic compound binding organic cyclic compound binding purine ribonucleotide binding structural molecule activity cation binding carbon-oxygen lyase activity cytoplasm intracellular anatomical structure protein-containing complex mitochondrion membrane protein complex intracellular membrane-bounded organelle membrane-bounded organelle eukaryotic translation initiation factor 3 complex catalytic complex proton-transporting two-sector ATPase complex oxidoreductase complex respirasome respiratory chain complex intracellular organelle organelle mitochondrial envelope proton-transporting two-sector ATPase complex, catalytic domain organelle envelope envelope organelle membrane bounding membrane of organelle mitochondrial respirasome mitochondrial membrane vesicle coat coated vesicle membrane coated vesicle intracellular protein-containing complex vesicle membrane cytoplasmic vesicle membrane proton-transporting V-type ATPase complex coated membrane membrane coat mitochondrial inner membrane organelle inner membrane proteasome core complex mitochondrial matrix proteasome complex mitochondrial protein-containing complex organelle lumen membrane-enclosed lumen intracellular organelle lumen generation of precursor metabolites and energy small molecule metabolic process cellular respiration aerobic respiration energy derivation by oxidation of organic compounds carboxylic acid metabolic process oxoacid metabolic process organic acid metabolic process catabolic process electron transport chain small molecule biosynthetic process respiratory electron transport chain aerobic electron transport chain mitochondrial ATP synthesis coupled electron transport obsolete oxidation-reduction process ATP metabolic process protein folding cellular component biogenesis cellular component assembly organic substance catabolic process ATP synthesis coupled electron transport oxidative phosphorylation protein catabolic process purine nucleoside triphosphate metabolic process purine ribonucleoside triphosphate metabolic process organonitrogen compound catabolic process monocarboxylic acid metabolic process protein peptidyl-prolyl isomerization peptidyl-proline modification RNA splicing nucleobase-containing small molecule metabolic process ribonucleoside triphosphate metabolic process purine-containing compound metabolic process nucleoside triphosphate metabolic process proton transmembrane transport purine nucleotide metabolic process tricarboxylic acid cycle cellular metabolic process protein-containing complex assembly carboxylic acid biosynthetic process organic acid biosynthetic process alcohol metabolic process metabolic process protein-containing complex organization organic hydroxy compound metabolic process macromolecule catabolic process organonitrogen compound biosynthetic process pyruvate metabolic process ribonucleotide metabolic process ribose phosphate metabolic process amino acid metabolic process RNA splicing, via transesterification reactions RNA splicing, via transesterification reactions with bulged adenosine as nucleophile mRNA splicing, via spliceosome amino acid biosynthetic process alpha-amino acid biosynthetic process process utilizing autophagic mechanism ATP generation from ADP autophagy purine nucleoside diphosphate metabolic process ADP metabolic process purine ribonucleoside diphosphate metabolic process ribonucleoside diphosphate metabolic process glycolytic process translation cellular catabolic process carbohydrate metabolic process purine ribonucleotide metabolic process carbohydrate derivative metabolic process mitochondrion organization nucleoside metabolic process glycosyl compound metabolic process organelle assembly ribonucleoprotein complex biogenesis alpha-amino acid metabolic process nucleotide metabolic process cellular component organization or biogenesis nucleoside diphosphate phosphorylation nucleotide phosphorylation nucleoside phosphate metabolic process peptidyl-amino acid modification proteolysis involved in protein catabolic process ribosome biogenesis nucleoside diphosphate metabolic process carbohydrate catabolic process intracellular protein transport ubiquitin-dependent protein catabolic process modification-dependent macromolecule catabolic process modification-dependent protein catabolic process intracellular transport purine-containing compound biosynthetic process protein transport translational initiation amino acid activation Molecular function tRNA aminoacylation Cellular component tRNA aminoacylation for protein translation Biological process vesicle-mediated transport 0.00 2.00 4.00 6.00 8.00 10.00 12.00 -log10(P-value)