P-value color scale

$> 10^{-3}$	10^{-3} to 10^{-5}	10^{-5} to 10^{-7}	10^{-7} to 10^{-9}	$< 10^{-9}$

A.

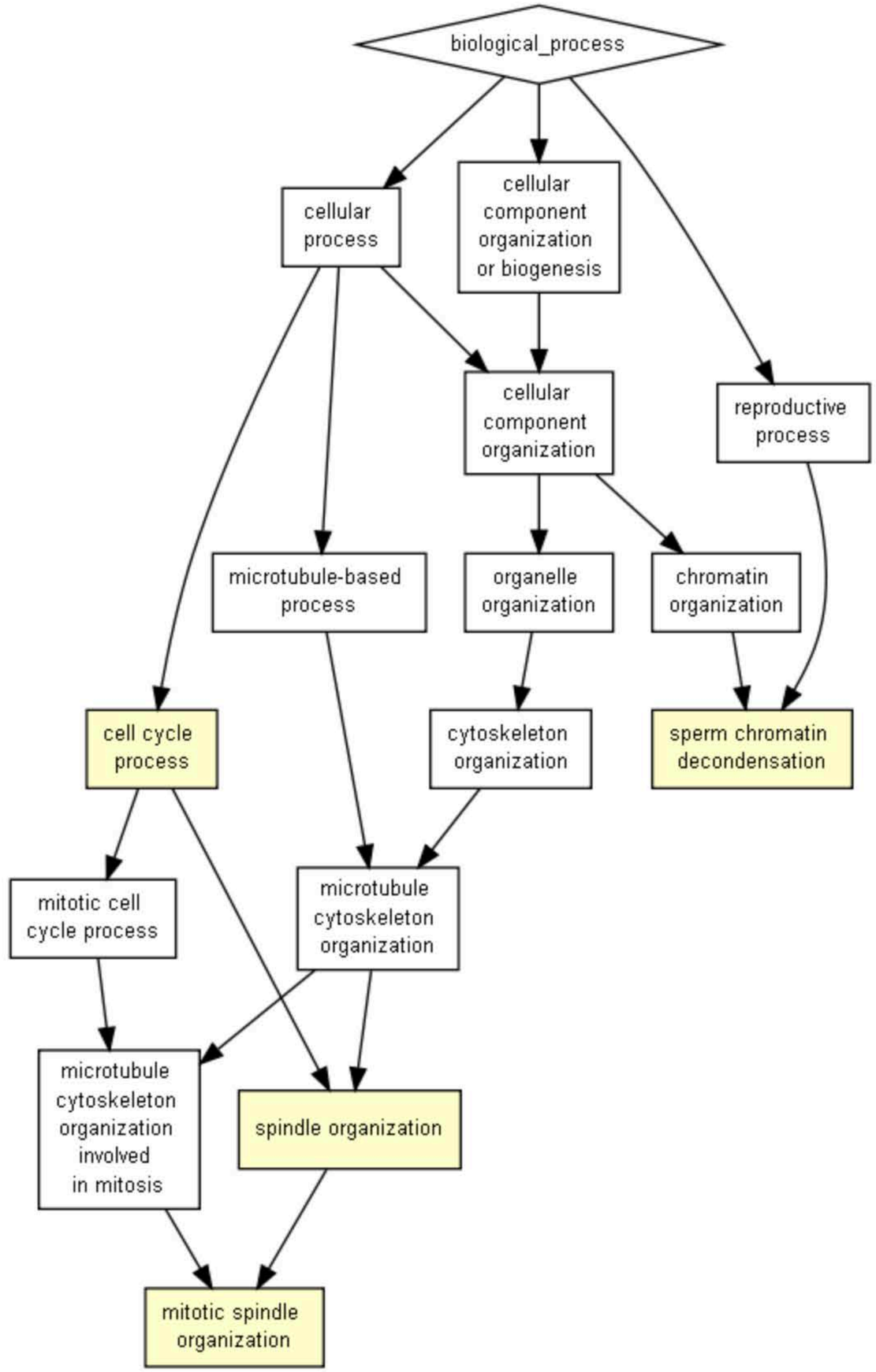

Figure S5

B.

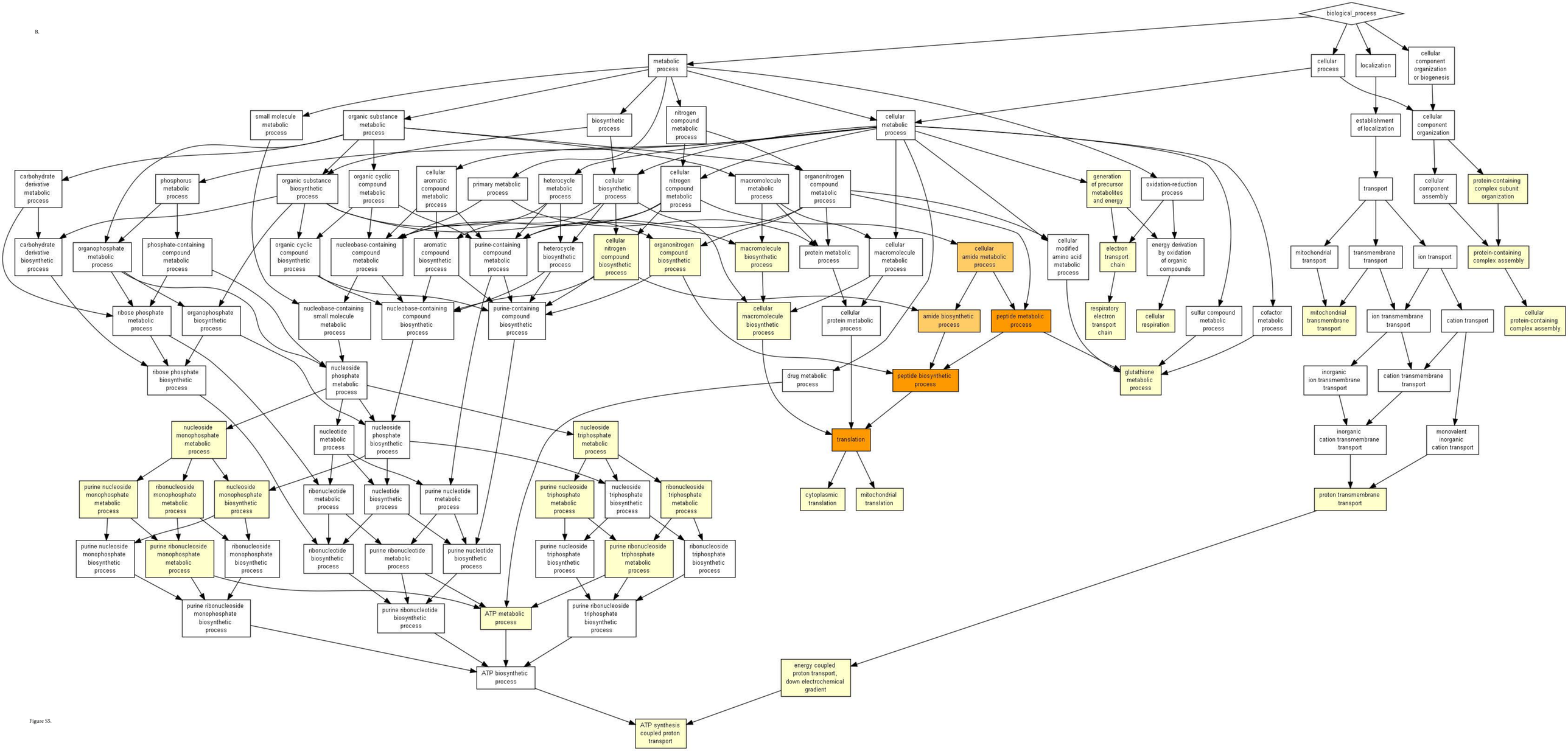
biological_process
metabolic process
cellular process
localization
cellular component organization or biogenesis
small molecule metabolic process
organic substance metabolic process
biosynthetic process
nitrogen compound metabolic process
cellular metabolic process
establishment of localization
cellular component organization
carbohydrate derivative metabolic process
phosphorus metabolic process
organic substance biosynthetic process
organic cyclic compound metabolic process
cellular aromatic compound metabolic process
primary metabolic process
heterocycle metabolic process
cellular biosynthetic process
cellular nitrogen compound metabolic process
macromolecule metabolic process
organonitrogen compound metabolic process
generation of precursor metabolites and energy
oxidation-reduction process
transport
cellular component assembly
protein-containing complex subunit organization
carbohydrate derivative biosynthetic process
organophosphate metabolic process
phosphate-containing compound metabolic process
organic cyclic compound biosynthetic process
nucleobase-containing compound metabolic process
aromatic compound biosynthetic process
purine-containing compound metabolic process
heterocycle biosynthetic process
cellular nitrogen compound biosynthetic process
organonitrogen compound biosynthetic process
macromolecule biosynthetic process
protein metabolic process
cellular macromolecule metabolic process
cellular amide metabolic process
cellular modified amino acid metabolic process
electron transport chain
energy derivation by oxidation of organic compounds
mitochondrial transport
transmembrane transport
ion transport
protein-containing complex assembly
ribose phosphate metabolic process
organophosphate biosynthetic process
nucleobase-containing small molecule metabolic process
nucleobase-containing compound biosynthetic process
purine-containing compound biosynthetic process
cellular macromolecule biosynthetic process
cellular protein metabolic process
amide biosynthetic process
peptide metabolic process
respiratory electron transport chain
cellular respiration
sulfur compound metabolic process
cofactor metabolic process
mitochondrial transmembrane transport
ion transmembrane transport
cation transport
cellular protein-containing complex assembly
ribose phosphate biosynthetic process
nucleoside phosphate metabolic process
drug metabolic process
peptide biosynthetic process
glutathione metabolic process
inorganic ion transmembrane transport
cation transmembrane transport
nucleoside monophosphate metabolic process
nucleotide metabolic process
nucleoside phosphate biosynthetic process
nucleoside triphosphate metabolic process
translation
inorganic cation transmembrane transport
monovalent inorganic cation transport
purine nucleoside monophosphate metabolic process
ribonucleoside monophosphate metabolic process
nucleoside monophosphate biosynthetic process
ribonucleotide metabolic process
nucleotide biosynthetic process
purine nucleotide metabolic process
purine nucleoside triphosphate metabolic process
nucleoside triphosphate biosynthetic process
ribonucleoside triphosphate metabolic process
cytoplasmic translation
mitochondrial translation
proton transmembrane transport
purine nucleoside monophosphate biosynthetic process
purine ribonucleoside monophosphate metabolic process
ribonucleoside monophosphate biosynthetic process
ribonucleotide biosynthetic process
purine ribonucleotide metabolic process
purine nucleotide biosynthetic process
purine nucleoside triphosphate biosynthetic process
purine ribonucleoside triphosphate metabolic process
ribonucleoside triphosphate biosynthetic process
purine ribonucleoside monophosphate biosynthetic process
purine ribonucleotide biosynthetic process
ATP metabolic process
purine ribonucleoside triphosphate biosynthetic process
ATP biosynthetic process
energy coupled proton transport, down electrochemical gradient
ATP synthesis coupled proton transport

Figure S5.