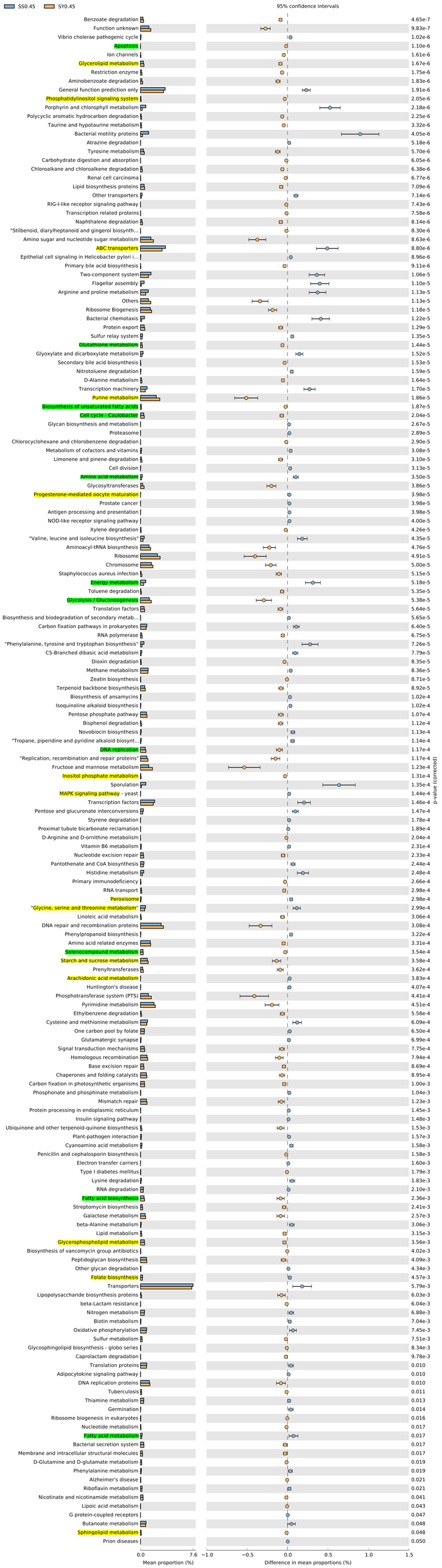
SS0.45
SY0.45
95% confidence intervals
Benzoate degradation 4.65e-7
Function unknown 9.83e-7
Vibrio cholerae pathogenic cycle 1.02e-6
Apoptosis 1.10e-6
Ion channels 1.61e-6
Glycerolipid metabolism 1.67e-6
Restriction enzyme 1.75e-6
Aminobenzoate degradation 1.83e-6
General function prediction only 1.91e-6
Phosphatidylinositol signaling system 2.05e-6
Porphyrin and chlorophyll metabolism 2.18e-6
Polycyclic aromatic hydrocarbon degradation 2.25e-6
Taurine and hypotaurine metabolism 3.32e-6
Bacterial motility proteins 4.05e-6
Atrazine degradation 5.18e-6
Tyrosine metabolism 5.70e-6
Carbohydrate digestion and absorption 6.05e-6
Chloroalkane and chloroalkene degradation 6.38e-6
Renal cell carcinoma 6.77e-6
Lipid biosynthesis proteins 7.09e-6
Other transporters 7.14e-6
RIG-I-like receptor signaling pathway 7.43e-6
Transcription related proteins 7.58e-6
Naphthalene degradation 8.14e-6
"Stilbenoid, diarylheptanoid and gingerol biosynth... 8.30e-6
Amino sugar and nucleotide sugar metabolism 8.63e-6
ABC transporters 8.80e-6
Epithelial cell signaling in Helicobacter pylori i... 8.96e-6
Primary bile acid biosynthesis 9.11e-6
Two-component system 1.06e-5
Flagellar assembly 1.10e-5
Arginine and proline metabolism 1.13e-5
Others 1.13e-5
Ribosome Biogenesis 1.18e-5
Bacterial chemotaxis 1.22e-5
Protein export 1.29e-5
Sulfur relay system 1.35e-5
Glutathione metabolism 1.44e-5
Glyoxylate and dicarboxylate metabolism 1.52e-5
Secondary bile acid biosynthesis 1.53e-5
Nitrotoluene degradation 1.59e-5
D-Alanine metabolism 1.64e-5
Transcription machinery 1.70e-5
Purine metabolism 1.86e-5
Biosynthesis of unsaturated fatty acids 1.87e-5
Cell cycle - Caulobacter 2.04e-5
Glycan biosynthesis and metabolism 2.67e-5
Proteasome 2.89e-5
Chlorocyclohexane and chlorobenzene degradation 2.90e-5
Metabolism of cofactors and vitamins 3.08e-5
Limonene and pinene degradation 3.10e-5
Cell division 3.13e-5
Amino acid metabolism 3.50e-5
Glycosyltransferases 3.86e-5
Progesterone-mediated oocyte maturation 3.98e-5
Prostate cancer 3.98e-5
Antigen processing and presentation 3.98e-5
NOD-like receptor signaling pathway 4.00e-5
Xylene degradation 4.26e-5
"Valine, leucine and isoleucine biosynthesis" 4.35e-5
Aminoacyl-tRNA biosynthesis 4.76e-5
Ribosome 4.91e-5
Chromosome 5.00e-5
Staphylococcus aureus infection 5.15e-5
Energy metabolism 5.18e-5
Toluene degradation 5.35e-5
Glycolysis / Gluconeogenesis 5.38e-5
Translation factors 5.64e-5
Biosynthesis and biodegradation of secondary metab... 5.65e-5
Carbon fixation pathways in prokaryotes 6.40e-5
RNA polymerase 6.75e-5
"Phenylalanine, tyrosine and tryptophan biosynthesis" 7.26e-5
C5-Branched dibasic acid metabolism 7.79e-5
Dioxin degradation 8.35e-5
Methane metabolism 8.36e-5
Zeatin biosynthesis 8.71e-5
Terpenoid backbone biosynthesis 8.92e-5
Biosynthesis of ansamycins 1.02e-4
Isoquinoline alkaloid biosynthesis 1.02e-4
Pentose phosphate pathway 1.07e-4
Bisphenol degradation 1.12e-4
Novobiocin biosynthesis 1.13e-4
"Tropane, piperidine and pyridine alkaloid biosynt... 1.14e-4
DNA replication 1.17e-4
"Replication, recombination and repair proteins 1.17e-4
Fructose and mannose metabolism 1.23e-4
Inositol phosphate metabolism 1.31e-4
Sporulation 1.35e-4
MAPK signaling pathway - yeast 1.44e-4
Transcription factors 1.46e-4
Pentose and glucuronate interconversions 1.47e-4
Styrene degradation 1.78e-4
Proximal tubule bicarbonate reclamation 1.89e-4
D-Arginine and D-ornithine metabolism 2.04e-4
Vitamin B6 metabolism 2.31e-4
Nucleotide excision repair 2.33e-4
Pantothenate and CoA biosynthesis 2.44e-4
Histidine metabolism 2.48e-4
Primary immunodeficiency 2.66e-4
RNA transport 2.98e-4
Peroxisome 2.98e-4
"Glycine, serine and threonine metabolism" 2.99e-4
Linoleic acid metabolism 3.06e-4
DNA repair and recombination proteins 3.08e-4
Phenylpropanoid biosynthesis 3.22e-4
Amino acid related enzymes 3.31e-4
Selenocompound metabolism 3.54e-4
Starch and sucrose metabolism 3.58e-4
Prenyltransferases 3.62e-4
Arachidonic acid metabolism 3.83e-4
Huntington's disease 4.07e-4
Phosphotransferase system (PTS) 4.41e-4
Pyrimidine metabolism 4.51e-4
Ethylbenzene degradation 5.58e-4
Cysteine and methionine metabolism 6.09e-4
One carbon pool by folate 6.50e-4
Glutamatergic synapse 6.99e-4
Signal transduction mechanisms 7.75e-4
Homologous recombination 7.94e-4
Base excision repair 8.69e-4
Chaperones and folding catalysts 8.95e-4
Carbon fixation in photosynthetic organisms 1.00e-3
Phosphonate and phosphinate metabolism 1.04e-3
Mismatch repair 1.23e-3
Protein processing in endoplasmic reticulum 1.45e-3
Insulin signaling pathway 1.48e-3
Ubiquinone and other terpenoid-quinone biosynthesis 1.53e-3
Plant-pathogen interaction 1.57e-3
Cyanoamino acid metabolism 1.58e-3
Penicillin and cephalosporin biosynthesis 1.58e-3
Electron transfer carriers 1.60e-3
Type I diabetes mellitus 1.79e-3
Lysine degradation 1.83e-3
RNA degradation 2.10e-3
Fatty acid biosynthesis 2.36e-3
Streptomycin biosynthesis 2.41e-3
Galactose metabolism 2.57e-3
beta-Alanine metabolism 3.06e-3
Lipid metabolism 3.15e-3
Glycerophospholipid metabolism 3.56e-3
Biosynthesis of vancomycin group antibiotics 4.02e-3
Peptidoglycan biosynthesis 4.09e-3
Other glycan degradation 4.34e-3
Folate biosynthesis 4.57e-3
Transporters 5.79e-3
Lipopolysaccharide biosynthesis proteins 6.03e-3
beta-Lactam resistance 6.04e-3
Nitrogen metabolism 6.88e-3
Biotin metabolism 7.04e-3
Oxidative phosphorylation 7.45e-3
Sulfur metabolism 7.51e-3
Glycosphingolipid biosynthesis - globo series 8.34e-3
Caprolactam degradation 9.78e-3
Translation proteins 0.010
Adipocytokine signaling pathway 0.010
DNA replication proteins 0.010
Tuberculosis 0.011
Thiamine metabolism 0.013
Germination 0.014
Ribosome biogenesis in eukaryotes 0.016
Nucleotide metabolism 0.017
Fatty acid metabolism 0.017
Bacterial secretion system 0.017
Membrane and intracellular structural molecules 0.017
D-Glutamine and D-glutamate metabolism 0.019
Phenylalanine metabolism 0.019
Alzheimer's disease 0.021
Riboflavin metabolism 0.021
Nicotinate and nicotinamide metabolism 0.041
Lipoic acid metabolism 0.043
G protein-coupled receptors 0.047
Butanoate metabolism 0.048
Sphingolipid metabolism 0.048
Prion diseases 0.050
0.0
7.6
Mean proportion (%)
−1.0
−0.5
0.0
0.5
1.0
1.5
Difference in mean proportions (%)
p-value (corrected)