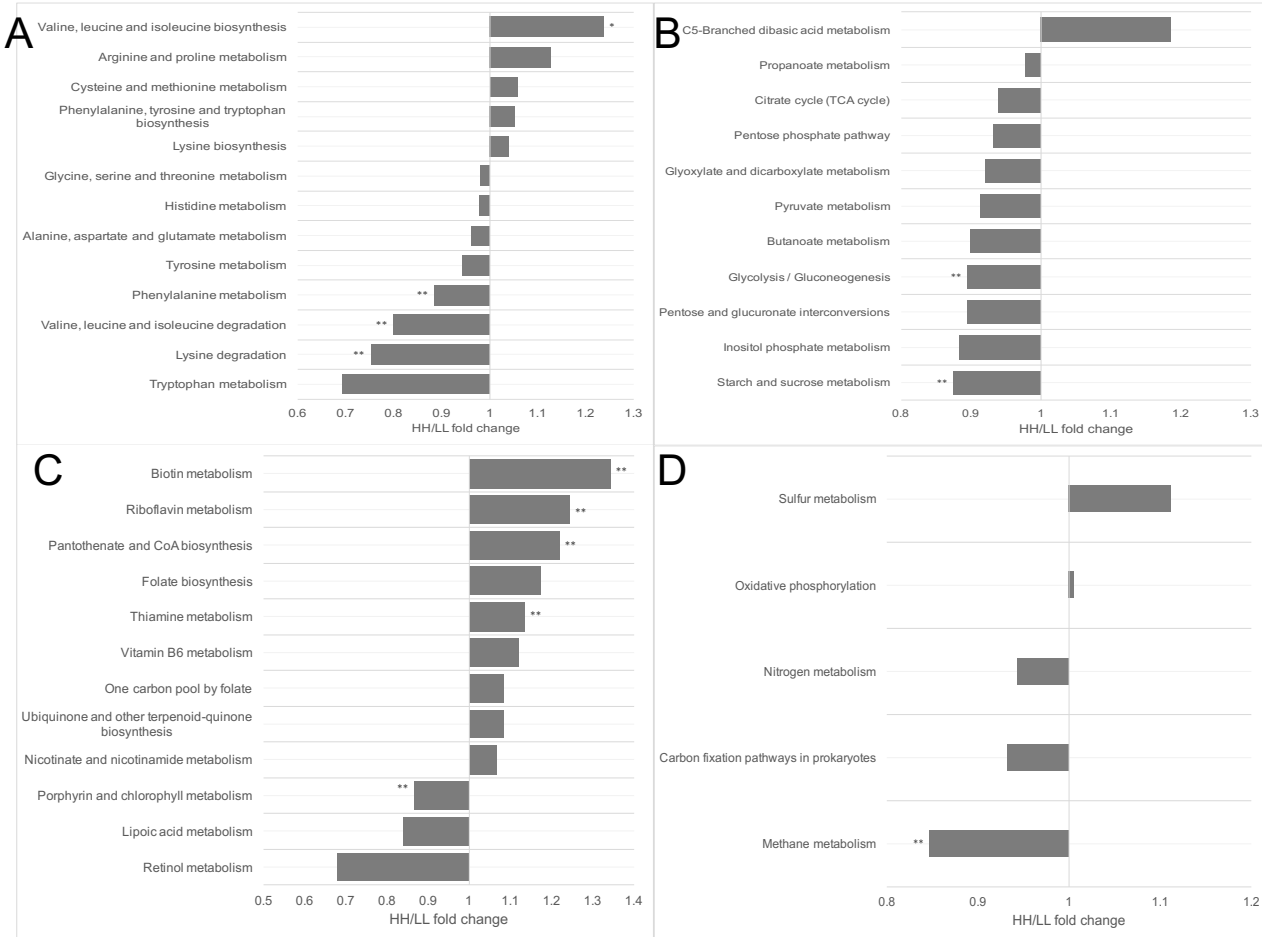
A
Valine, leucine and isoleucine biosynthesis
Arginine and proline metabolism
Cysteine and methionine metabolism
Phenylalanine, tyrosine and tryptophan biosynthesis
Lysine biosynthesis
Glycine, serine and threonine metabolism
Histidine metabolism
Alanine, aspartate and glutamate metabolism
Tyrosine metabolism
Phenylalanine metabolism
Valine, leucine and isoleucine degradation
Lysine degradation
Tryptophan metabolism
*
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0.6 0.7 0.8 0.9 1 1.1 1.2 1.3
HH/LL fold change
B
C5-Branched dibasic acid metabolism
Propanoate metabolism
Citrate cycle (TCA cycle)
Pentose phosphate pathway
Glyoxylate and dicarboxylate metabolism
Pyruvate metabolism
Butanoate metabolism
Glycolysis / Gluconeogenesis
Pentose and glucuronate interconversions
Inositol phosphate metabolism
Starch and sucrose metabolism
**
**
0.8 0.9 1 1.1 1.2 1.3
HH/LL fold change
C
Biotin metabolism
Riboflavin metabolism
Pantothenate and CoA biosynthesis
Folate biosynthesis
Thiamine metabolism
Vitamin B6 metabolism
One carbon pool by folate
Ubiquinone and other terpenoid-quinone biosynthesis
Nicotinate and nicotinamide metabolism
Porphyrin and chlorophyll metabolism
Lipoic acid metabolism
Retinol metabolism
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**
0.5 0.6 0.7 0.8 0.9 1 1.1 1.2 1.3 1.4
HH/LL fold change
D
Sulfur metabolism
Oxidative phosphorylation
Nitrogen metabolism
Carbon fixation pathways in prokaryotes
Methane metabolism
**
0.8 0.9 1 1.1 1.2
HH/LL fold change