

### Supplementary Table 10 KEGG pathways enriched in the brown module

Term	<i>P</i> Value
eco00970:Aminoacyl-tRNA biosynthesis	0.000
eco00020:Citrate cycle (TCA cycle)	0.000
eco00620:Pyruvate metabolism	0.000
eco00010:Glycolysis / Gluconeogenesis	0.000
eco00650:Butanoate metabolism	0.000
eco00190:Oxidative phosphorylation	0.000
eco00910:Nitrogen metabolism	0.000
eco03010:Ribosome	0.000
eco00630:Glyoxylate and dicarboxylate metabolism	0.000
eco00380:Tryptophan metabolism	0.001
eco00680:Methane metabolism	0.001
eco00250:Alanine, aspartate and glutamate metabolism	0.001
eco00240:Pyrimidine metabolism	0.002
eco00430:Taurine and hypotaurine metabolism	0.004
eco00860:Porphyrin and chlorophyll metabolism	0.006