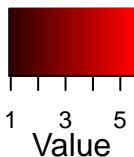
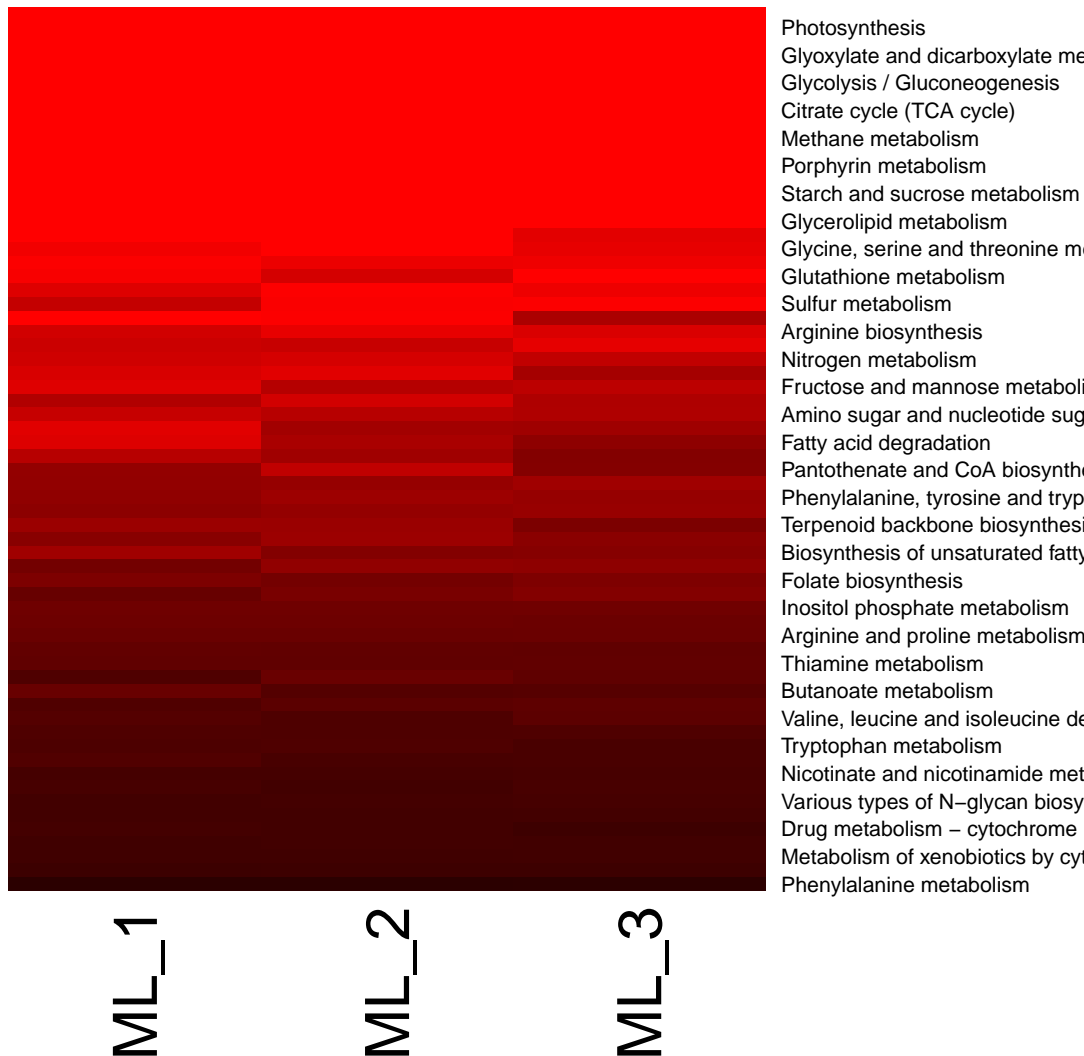


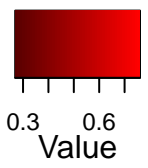
Color Key



AGE Two-way test: $-\log_{10}(\text{p-value})$



Color Key



GAGE test statistics



- Photosynthesis
- Glyoxylate and dicarboxylate me
- Glycolysis / Gluconeogenesis
- Citrate cycle (TCA cycle)
- Methane metabolism
- Porphyrin metabolism
- Starch and sucrose metabolism
- Glycerolipid metabolism
- Glycine, serine and threonine m
- Glutathione metabolism
- Sulfur metabolism
- Arginine biosynthesis
- Nitrogen metabolism
- Fructose and mannose metaboli
- Amino sugar and nucleotide sug
- Fatty acid degradation
- Pantothenate and CoA biosynthe
- Phenylalanine, tyrosine and try
- Terpenoid backbone biosynthesi
- Biosynthesis of unsaturated fatty
- Folate biosynthesis
- Inositol phosphate metabolism
- Arginine and proline metabolism
- Thiamine metabolism
- Butanoate metabolism
- Valine, leucine and isoleucine de
- Tryptophan metabolism
- Nicotinate and nicotinamide met
- Various types of N-glycan biosy
- Drug metabolism – cytochrome
- Metabolism of xenobiotics by cy
- Phenylalanine metabolism

ML_1

ML_2

ML_3