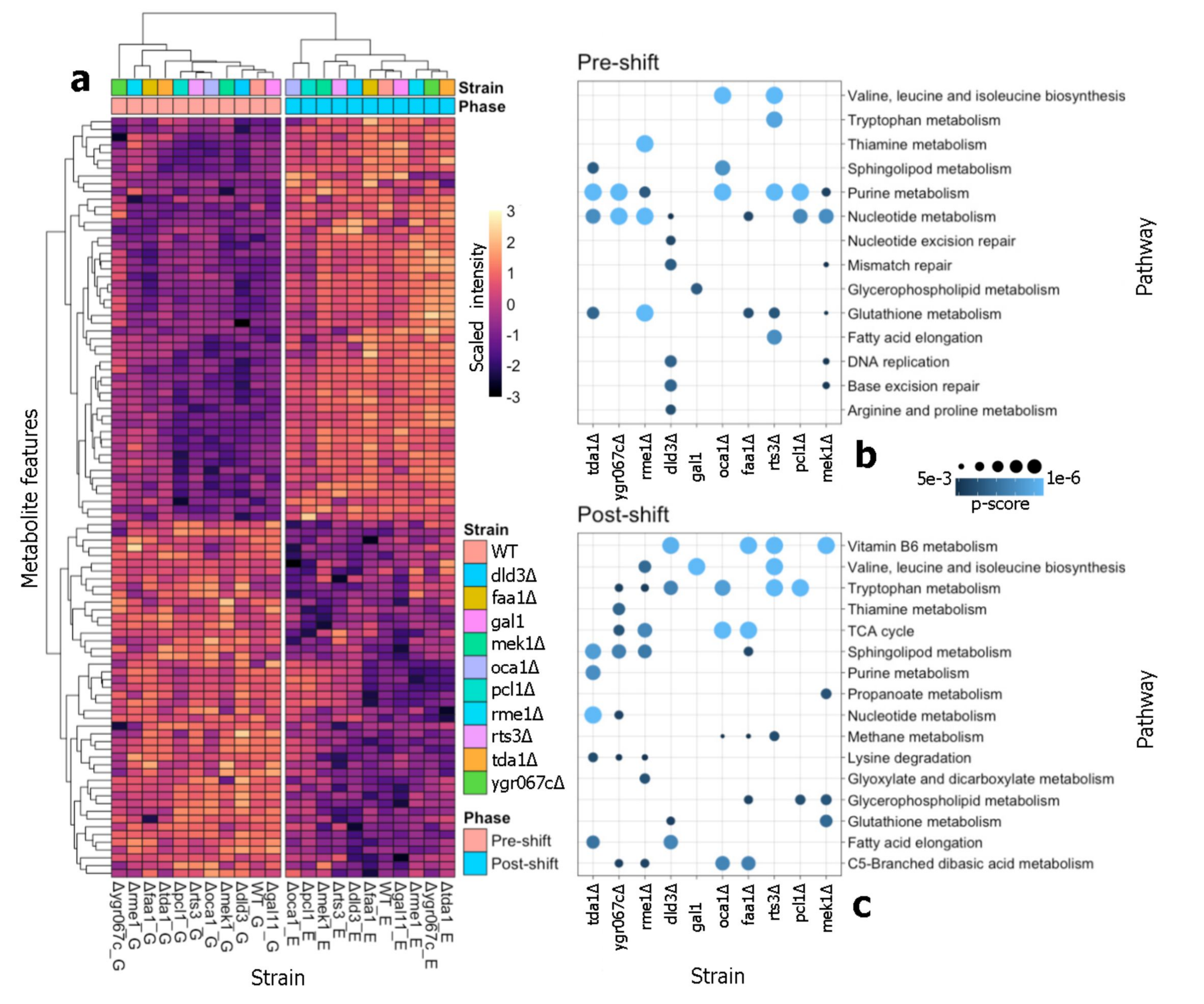
a
Strain
Phase
Scaled intensity
3
2
1
0
-1
-2
-3
Metabolite features
Strain
Δygr067c_G
Δrme1_G
Δfaa1_G
Δtda1_G
Δpcl1_G
Δrts3_G
Δoca1_G
Δmek1_G
Δdld3_G
WT_G
Δgal11_G
Δoca1_E
Δpcl1_E
Δmek1_E
Δrts3_E
Δdld3_E
Δfaa1_E
WT_E
Δgal11_E
Δrme1_E
Δygr067c_E
Δtda1_E
Strain
WT
dld3Δ
faa1Δ
gal1
mek1Δ
oca1Δ
pcl1Δ
rme1Δ
rts3Δ
tda1Δ
ygr067cΔ
Phase
Pre-shift
Post-shift
Pre-shift
Valine, leucine and isoleucine biosynthesis
Tryptophan metabolism
Thiamine metabolism
Sphingolipod metabolism
Purine metabolism
Nucleotide metabolism
Nucleotide excision repair
Mismatch repair
Glycerophospholipid metabolism
Glutathione metabolism
Fatty acid elongation
DNA replication
Base excision repair
Arginine and proline metabolism
Pathway
tda1Δ
ygr067cΔ
rme1Δ
dld3Δ
gal1
oca1Δ
faa1Δ
rts3Δ
pcl1Δ
mek1Δ
b
5e-3
1e-6
p-score
Post-shift
Vitamin B6 metabolism
Valine, leucine and isoleucine biosynthesis
Tryptophan metabolism
Thiamine metabolism
TCA cycle
Sphingolipod metabolism
Purine metabolism
Propanoate metabolism
Nucleotide metabolism
Methane metabolism
Lysine degradation
Glyoxylate and dicarboxylate metabolism
Glycerophospholipid metabolism
Glutathione metabolism
Fatty acid elongation
C5-Branched dibasic acid metabolism
Pathway
tda1Δ
ygr067cΔ
rme1Δ
dld3Δ
gal1
oca1Δ
faa1Δ
rts3Δ
pcl1Δ
mek1Δ
c
Strain