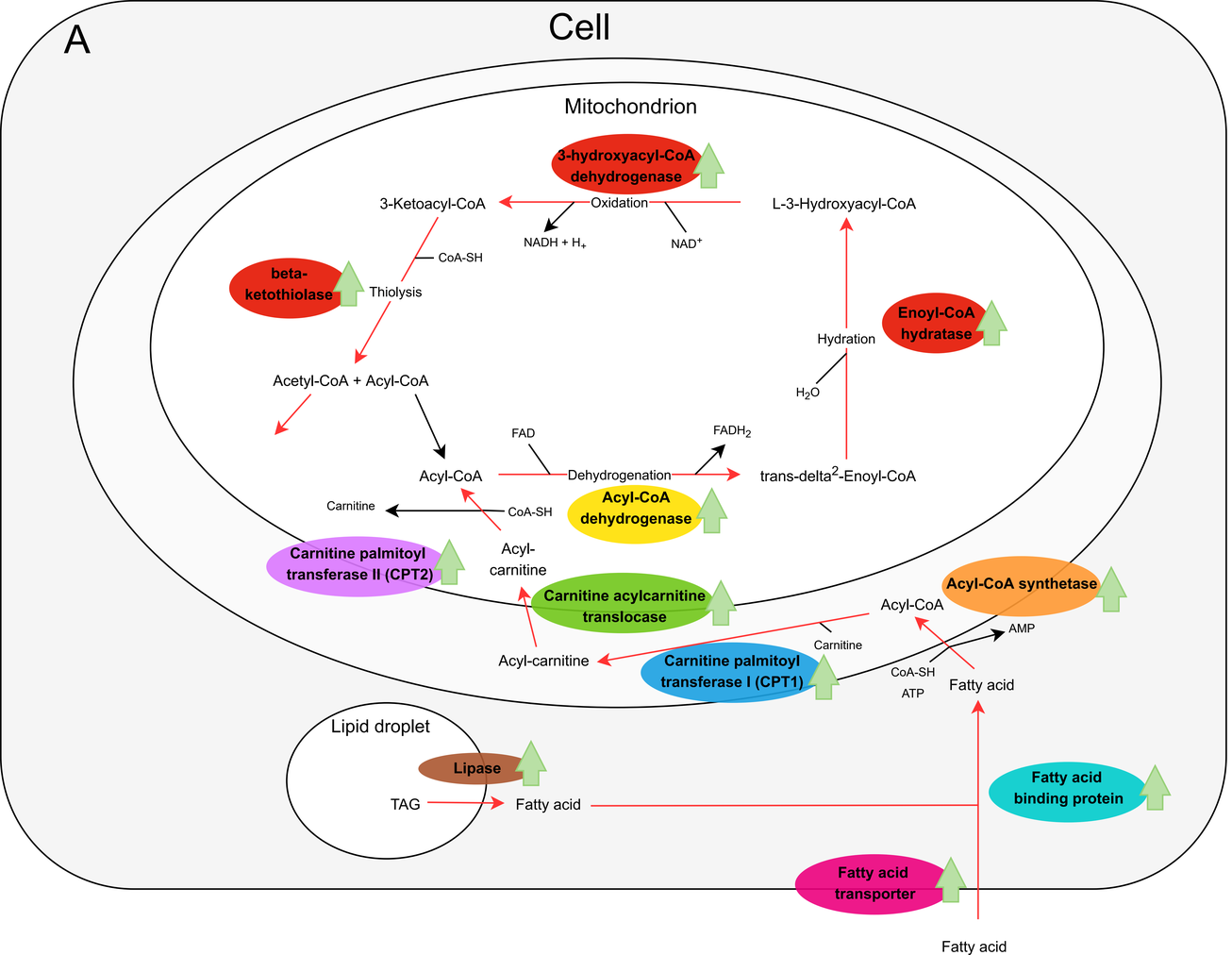
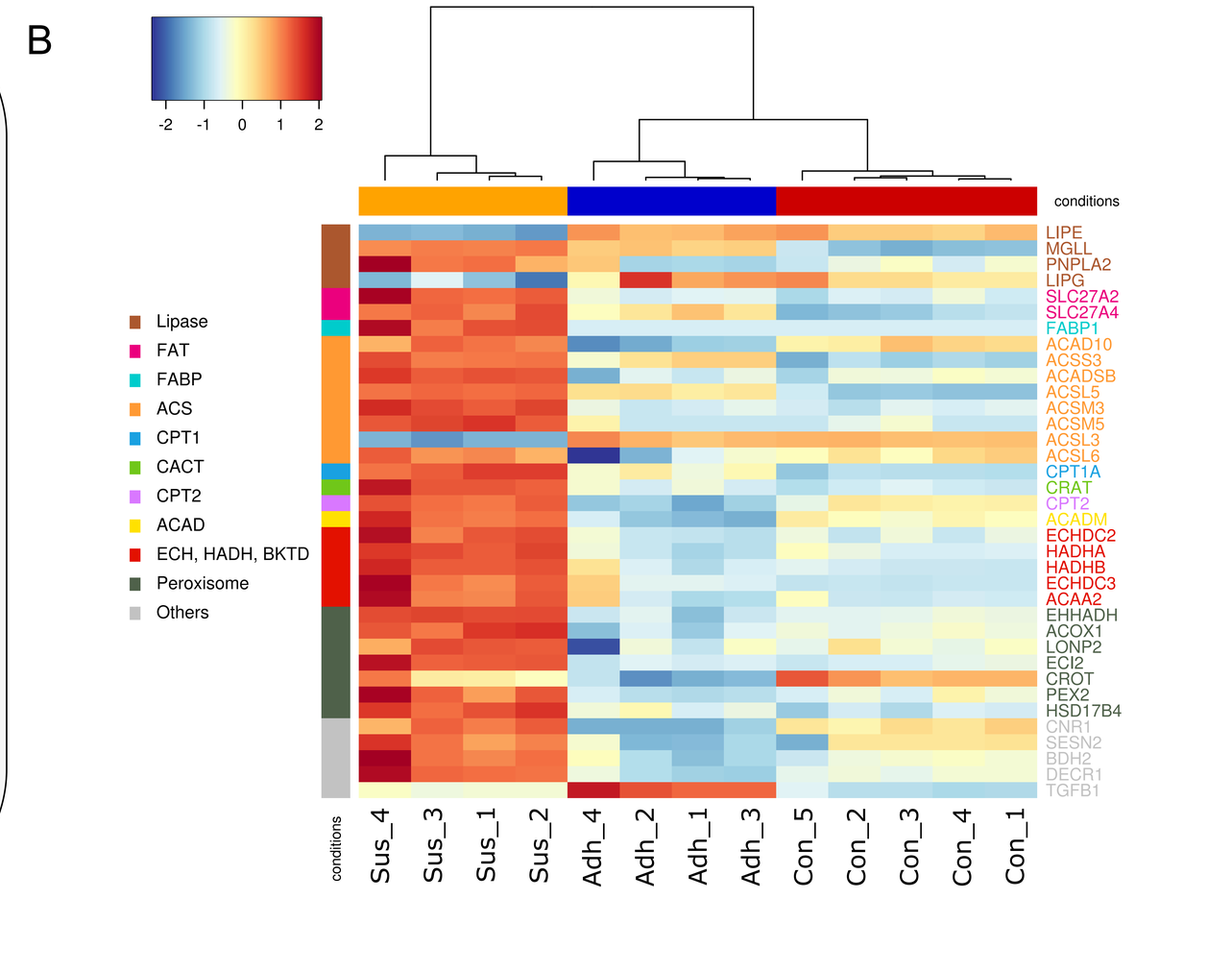

A
Cell
Mitochondrion
3-hydroxyacyl-CoA dehydrogenase
3-Ketoacyl-CoA
Oxidation
L-3-Hydroxyacyl-CoA
NADH + H+
NAD+
beta-ketothiolase
CoA-SH
Thiolysis
Enoyl-CoA hydratase
Hydration
H2O
Acetyl-CoA + Acyl-CoA
FAD
FADH2
Acyl-CoA
Dehydrogenation
trans-delta2-Enoyl-CoA
Carnitine
CoA-SH
Acyl-CoA dehydrogenase
Carnitine palmitoyl transferase II (CPT2)
Acyl-carnitine
Carnitine acylcarnitine translocase
Acyl-CoA synthetase
Acyl-CoA
AMP
Carnitine
Acyl-carnitine
Carnitine palmitoyl transferase I (CPT1)
CoA-SH
ATP
Fatty acid
Lipid droplet
Lipase
TAG
Fatty acid
Fatty acid binding protein
Fatty acid transporter
Fatty acid


B
-2
-1
0
1
2
conditions
Lipase
FAT
FABP
ACS
CPT1
CACT
CPT2
ACAD
ECH, HADH, BKTD
Peroxisome
Others
LIPE
MGLL
PNPLA2
LIPG
SLC27A2
SLC27A4
FABP1
ACAD10
ACSS3
ACADSB
ACSL5
ACSM3
ACSM5
ACSL3
ACSL6
CPT1A
CRAT
CPT2
ACADM
ECHDC2
HADHA
HADHB
ECHDC3
ACAA2
EHHADH
ACOX1
LONP2
ECI2
CROT
PEX2
HSD17B4
CNR1
SESN2
BDH2
DECR1
TGFB1
conditions
Sus_4
Sus_3
Sus_1
Sus_2
Adh_4
Adh_2
Adh_1
Adh_3
Con_5
Con_2
Con_3
Con_4
Con_1