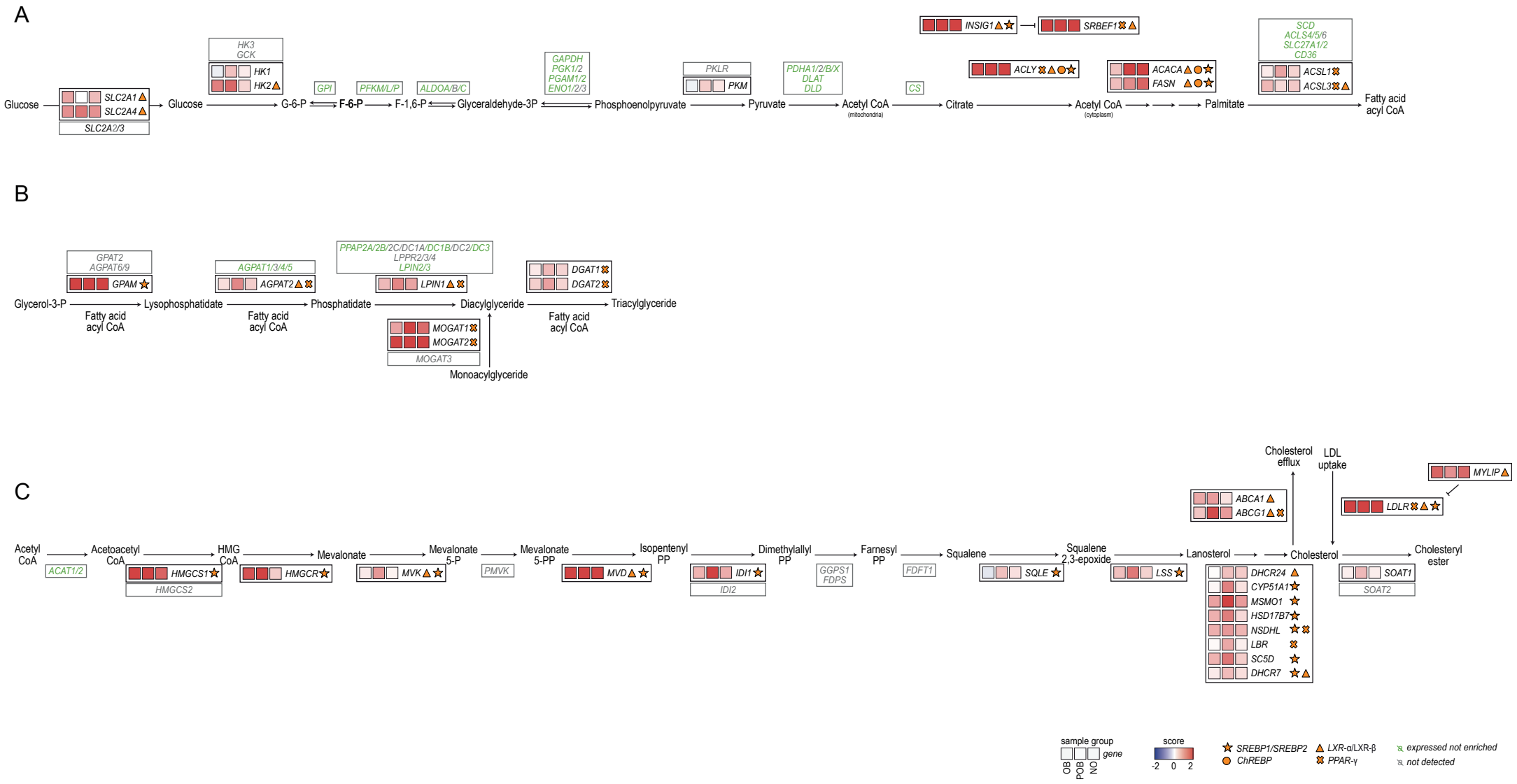
Figure S4


A
Glucose
SLC2A1
SLC2A4
SLC2A2/3
Glucose
HK3
GCK
HK1
HK2
G-6-P
GPI
F-6-P
PFKM/L/P
F-1,6-P
ALDOA/B/C
Glyceraldehyde-3P
GAPDH
PGK1/2
PGAM1/2
ENO1/2/3
Phosphoenolpyruvate
PKLR
PKM
Pyruvate
PDHA1/2/B/X
DLAT
DLD
Acetyl CoA
(mitochondria)
CS
Citrate
INSIG1
SRBEF1
ACLY
ACACA
FASN
Acetyl CoA
(cytoplasm)
Palmitate
SCD
ACLS4/5/6
SLC27A1/2
CD36
ACSL1
ACSL3
Fatty acid
acyl CoA
B
Glycerol-3-P
GPAT2
AGPAT6/9
GPAM
Lysophosphatidate
Fatty acid
acyl CoA
AGPAT1/3/4/5
AGPAT2
Phosphatidate
PPAP2A/2B/2C/DC1A/DC1B/DC2/DC3
LPPR2/3/4
LPIN2/3
LPIN1
Diacylglyceride
MOGAT1
MOGAT2
MOGAT3
Monoacylglyceride
DGAT1
DGAT2
Triacylglyceride
Fatty acid
acyl CoA
C
Acetyl
CoA
ACAT1/2
Acetoacetyl
CoA
HMGCS1
HMGCS2
HMG
CoA
HMGCR
Mevalonate
MVK
Mevalonate
5-P
PMVK
Mevalonate
5-PP
MVD
Isopentenyl
PP
IDI1
IDI2
Dimethylallyl
PP
GGPS1
FDPS
Farnesyl
PP
FDFT1
Squalene
SQLE
Squalene
2,3-epoxide
LSS
Lanosterol
DHCR24
CYP51A1
MSMO1
HSD17B7
NSDHL
LBR
SC5D
DHCR7
Cholesterol
Cholesterol
efflux
ABCA1
ABCG1
LDL
uptake
LDLR
MYLIP
SOAT1
SOAT2
Cholesteryl
ester
sample group
gene
OB
POB
NO
score
-2
0
2
SREBP1/SREBP2
ChREBP
LXR-α/LXR-β
PPAR-γ
expressed not enriched
not detected