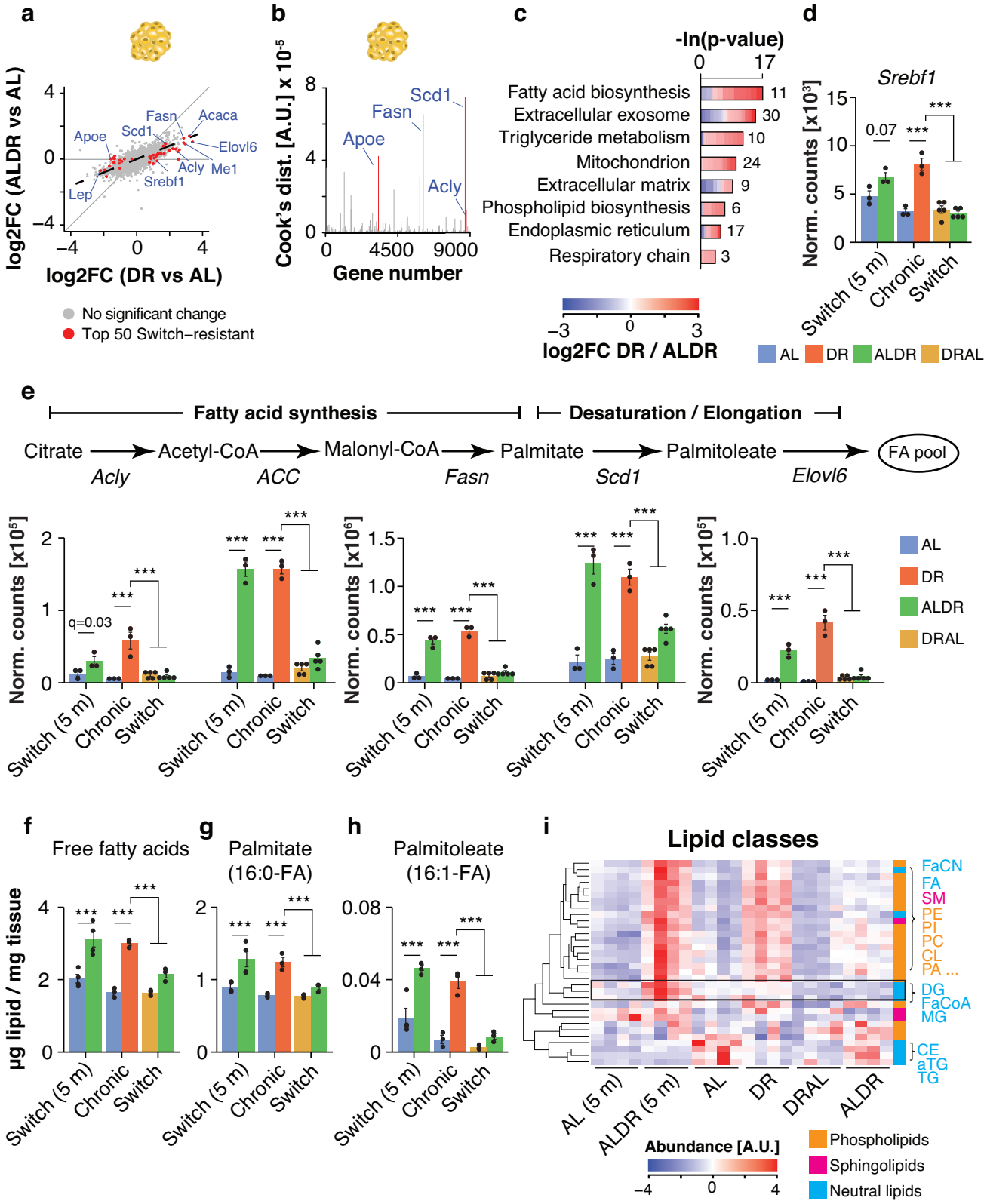
a
log2FC (ALDR vs AL)
log2FC (DR vs AL)
Apoe
Scd1
Fasn
Acaca
Elovl6
Acly
Me1
Srebf1
Lep
No significant change
Top 50 Switch−resistant
b
Cook's dist. [A.U.] x 10⁻⁵
Gene number
Scd1
Fasn
Apoe
Acly
c
-ln(p-value)
Fatty acid biosynthesis
Extracellular exosome
Triglyceride metabolism
Mitochondrion
Extracellular matrix
Phospholipid biosynthesis
Endoplasmic reticulum
Respiratory chain
log2FC DR / ALDR
d
Srebf1
Norm. counts [x10³]
0.07
Switch (5 m)
Chronic
Switch
AL
DR
ALDR
DRAL
e
Fatty acid synthesis
Desaturation / Elongation
Citrate
Acetyl-CoA
Malonyl-CoA
Palmitate
Palmitoleate
FA pool
Acly
ACC
Fasn
Scd1
Elovl6
Norm. counts [x10⁵]
Norm. counts [x10⁶]
q=0.03
f
Free fatty acids
g
Palmitate (16:0-FA)
h
Palmitoleate (16:1-FA)
µg lipid / mg tissue
i
Lipid classes
FaCN
FA
SM
PE
PI
PC
CL
PA ...
DG
FaCoA
MG
CE
aTG
TG
AL (5 m)
ALDR (5 m)
Abundance [A.U.]
Phospholipids
Sphingolipids
Neutral lipids