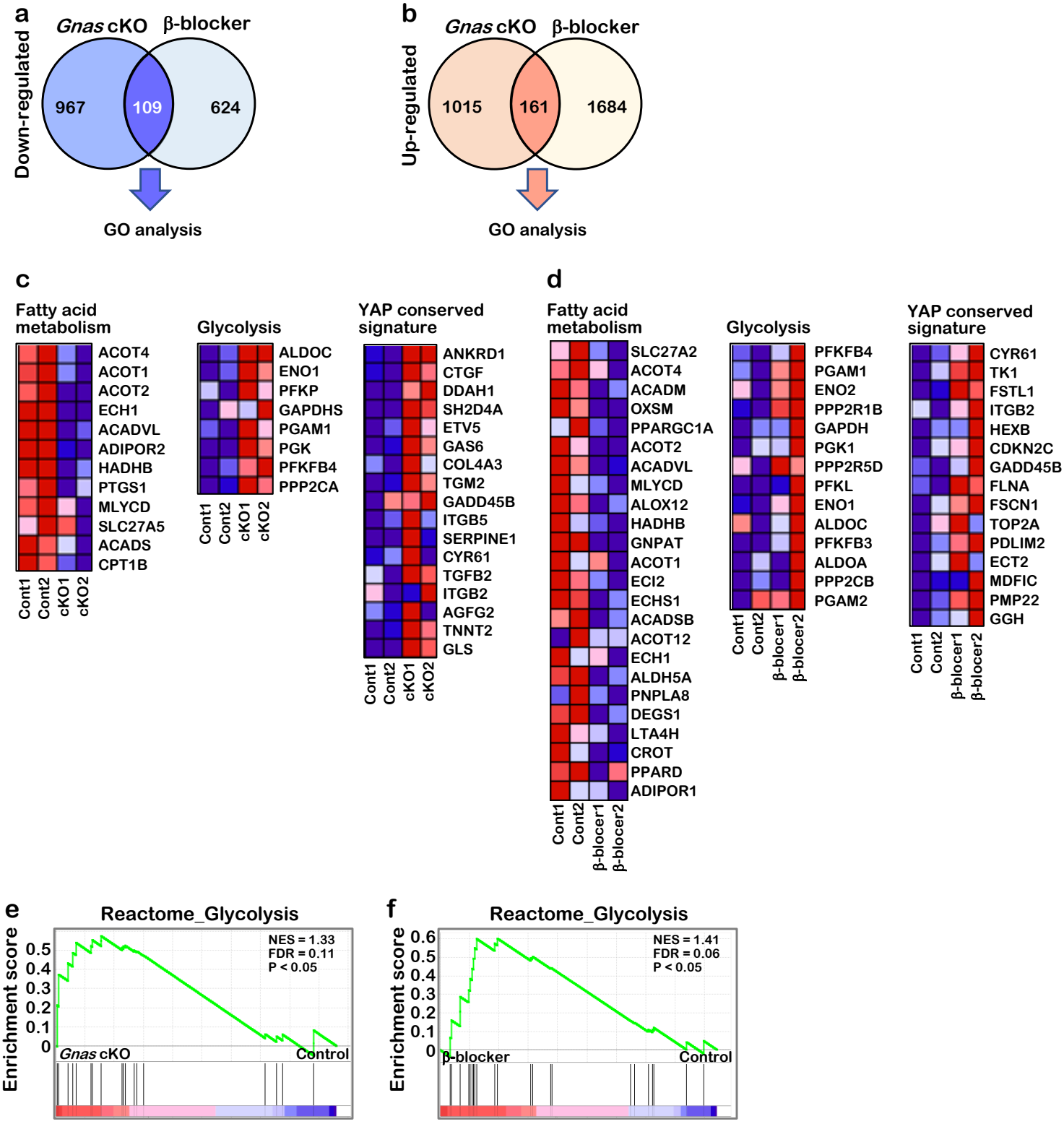
a
Gnas cKO
β-blocker
Down-regulated
967
109
624
GO analysis
b
Gnas cKO
β-blocker
Up-regulated
1015
161
1684
GO analysis
c
Fatty acid metabolism
ACOT4
ACOT1
ACOT2
ECH1
ACADVL
ADIPOR2
HADHB
PTGS1
MLYCD
SLC27A5
ACADS
CPT1B
Cont1
Cont2
cKO1
cKO2
Glycolysis
ALDOC
ENO1
PFKP
GAPDHS
PGAM1
PGK
PFKFB4
PPP2CA
Cont1
Cont2
cKO1
cKO2
YAP conserved signature
ANKRD1
CTGF
DDAH1
SH2D4A
ETV5
GAS6
COL4A3
TGM2
GADD45B
ITGB5
SERPINE1
CYR61
TGFB2
ITGB2
AGFG2
TNNT2
GLS
Cont1
Cont2
cKO1
cKO2
d
Fatty acid metabolism
SLC27A2
ACOT4
ACADM
OXSM
PPARGC1A
ACOT2
ACADVL
MLYCD
ALOX12
HADHB
GNPAT
ACOT1
ECI2
ECHS1
ACADSB
ACOT12
ECH1
ALDH5A
PNPLA8
DEGS1
LTA4H
CROT
PPARD
ADIPOR1
Cont1
Cont2
β-blocer1
β-blocer2
Glycolysis
PFKFB4
PGAM1
ENO2
PPP2R1B
GAPDH
PGK1
PPP2R5D
PFKL
ENO1
ALDOC
PFKFB3
ALDOA
PPP2CB
PGAM2
Cont1
Cont2
β-blocer1
β-blocer2
YAP conserved signature
CYR61
TK1
FSTL1
ITGB2
HEXB
CDKN2C
GADD45B
FLNA
FSCN1
TOP2A
PDLIM2
ECT2
MDFIC
PMP22
GGH
Cont1
Cont2
β-blocer1
β-blocer2
e
Reactome_Glycolysis
Enrichment score
0.5
0.4
0.3
0.2
0.1
0
NES = 1.33
FDR = 0.11
P < 0.05
Gnas cKO
Control
f
Reactome_Glycolysis
Enrichment score
0.6
0.5
0.4
0.3
0.2
0.1
0
NES = 1.41
FDR = 0.06
P < 0.05
β-blocker
Control