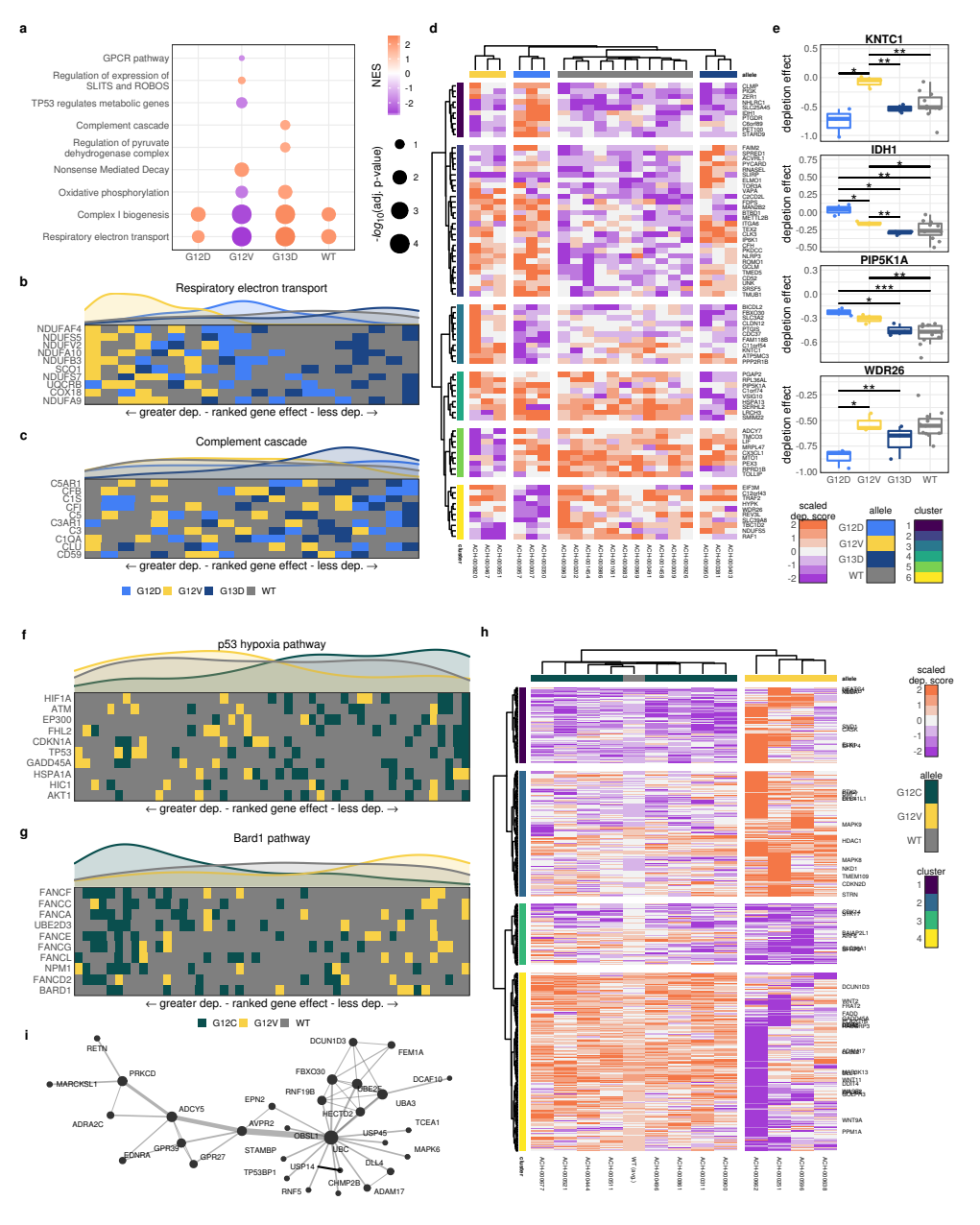
a
GPCR pathway
Regulation of expression of SLITS and ROBOS
TP53 regulates metabolic genes
Complement cascade
Regulation of pyruvate dehydrogenase complex
Nonsense Mediated Decay
Oxidative phosphorylation
Complex I biogenesis
Respiratory electron transport
G12D
G12V
G13D
WT
NES
-log10(adj. p-value)
b
Respiratory electron transport
NDUFAF4
NDUFS5
NDUFV2
NDUFA10
NDUFB3
SCO1
NDUFS2
UQCR
COX18
NDUFA9
← greater dep. - ranked gene effect - less dep. →
c
Complement cascade
C5AR1
CFB
C1S
CFI
C5
C3AR1
C3
C1QA
CLU
CD59
← greater dep. - ranked gene effect - less dep. →
G12D G12V G13D WT
d
allele
cluster
e
KNTC1
IDH1
PIP5K1A
WDR26
depletion effect
G12D G12V G13D WT
scaled dep. score
allele
cluster
f
p53 hypoxia pathway
HIF1A
ATM
EP300
FHL2
CDKN1A
TP53
GADD45A
HSPA1A
HIC1
AKT1
← greater dep. - ranked gene effect - less dep. →
g
Bard1 pathway
FANCF
FANCC
FANCA
UBE2D3
FANCE
FANCG
FANCL
NPM1
FANCD2
BARD1
← greater dep. - ranked gene effect - less dep. →
G12C G12V WT
h
allele
cluster
scaled dep. score
G12C
G12V
WT
i
RETN
MARCKSL1
PRKCD
ADCY5
ADRA2C
EDNRA
GPR39
GPR27
EPN2
AVPR2
STAMBP
TP53BP1
DCUN1D3
FEM1A
FBXO30
RNF19B
UBE2F
DCAF10
HECTD2
UBA3
TCEA1
OBSL1
USP45
UBC
MAPK6
USP14
DLL4
CHMP2B
RNF5
ADAM17