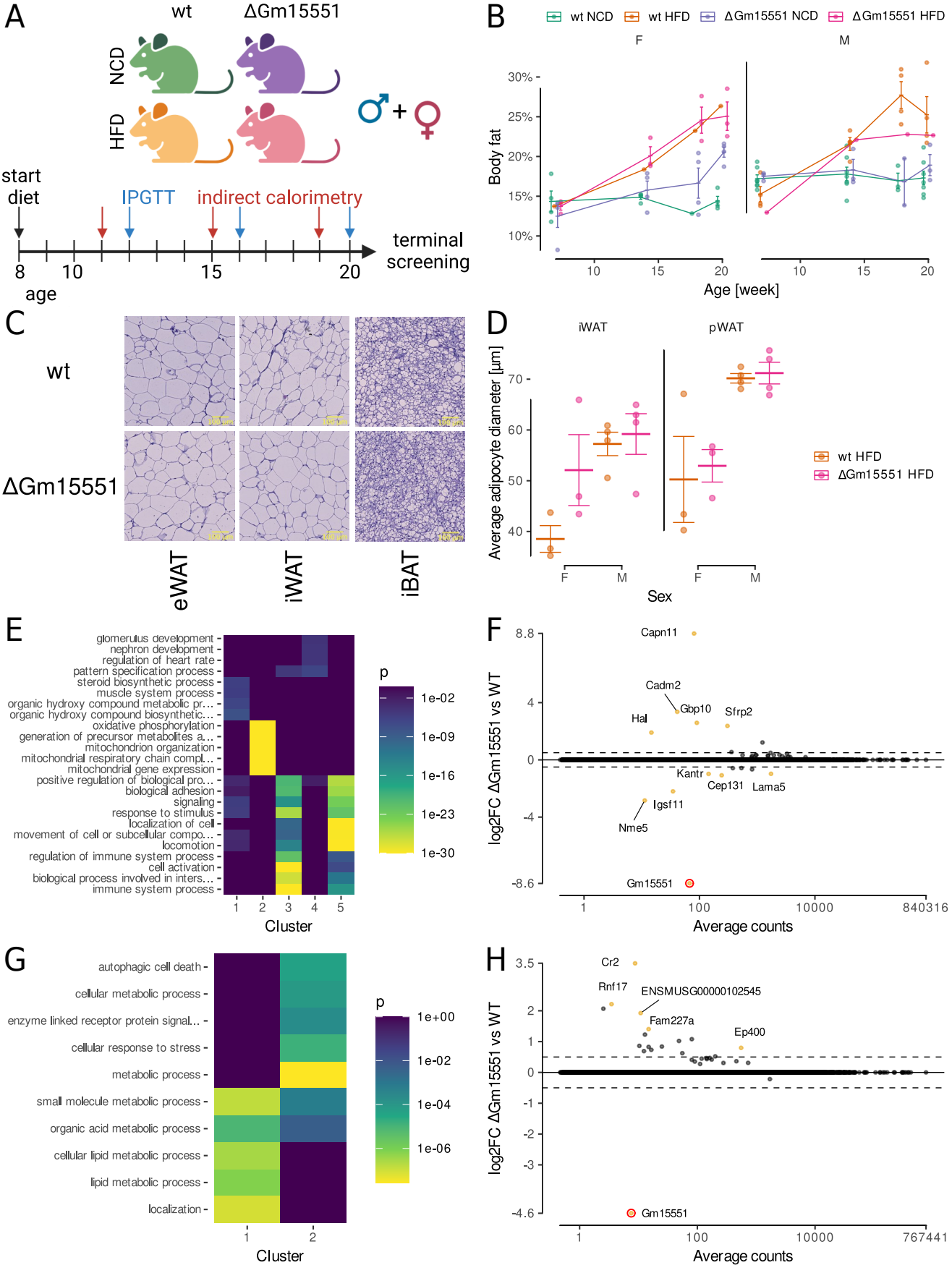
A
wt
ΔGm15551
NCD
HFD
♂ + ♀
start diet
IPGTT
indirect calorimetry
terminal screening
8
10
15
20
age
B
wt NCD
wt HFD
ΔGm15551 NCD
ΔGm15551 HFD
F
M
Body fat
30%
25%
20%
15%
10%
Age [week]
C
wt
ΔGm15551
eWAT
iWAT
iBAT
D
iWAT
pWAT
Average adipocyte diameter [µm]
70
60
50
40
wt HFD
ΔGm15551 HFD
Sex
E
glomerulus development
nephron development
regulation of heart rate
pattern specification process
steroid biosynthetic process
muscle system process
organic hydroxy compound metabolic pr...
organic hydroxy compound biosynthetic...
oxidative phosphorylation
generation of precursor metabolites a...
mitochondrion organization
mitochondrial respiratory chain compl...
mitochondrial gene expression
positive regulation of biological pro...
biological adhesion
signaling
response to stimulus
localization of cell
movement of cell or subcellular compo...
locomotion
regulation of immune system process
cell activation
biological process involved in inters...
immune system process
Cluster
p
1e-02
1e-09
1e-16
1e-23
1e-30
F
log2FC ΔGm15551 vs WT
Capn11
Cadm2
Gbp10
Sfrp2
Hal
Kantr
Cep131
Lama5
Igsf11
Nme5
Gm15551
Average counts
G
autophagic cell death
cellular metabolic process
enzyme linked receptor protein signal...
cellular response to stress
metabolic process
small molecule metabolic process
organic acid metabolic process
cellular lipid metabolic process
lipid metabolic process
localization
Cluster
p
1e+00
1e-02
1e-04
1e-06
H
log2FC ΔGm15551 vs WT
Cr2
Rnf17
ENSMUSG00000102545
Fam227a
Ep400
Gm15551
Average counts