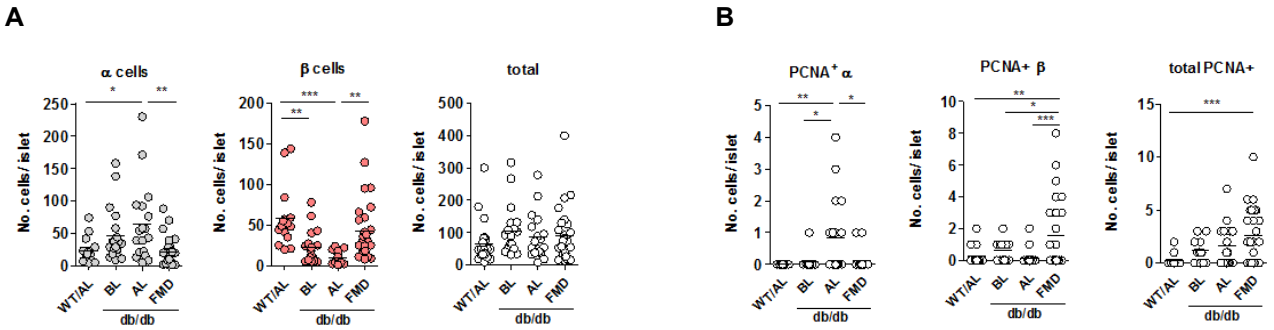
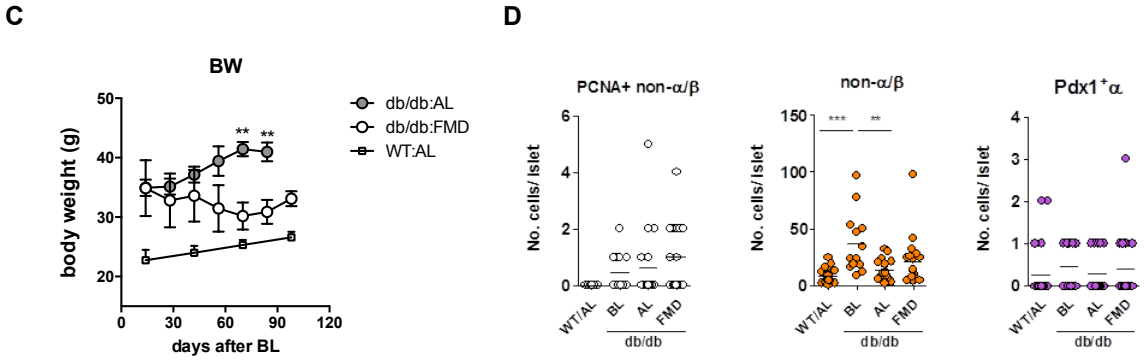
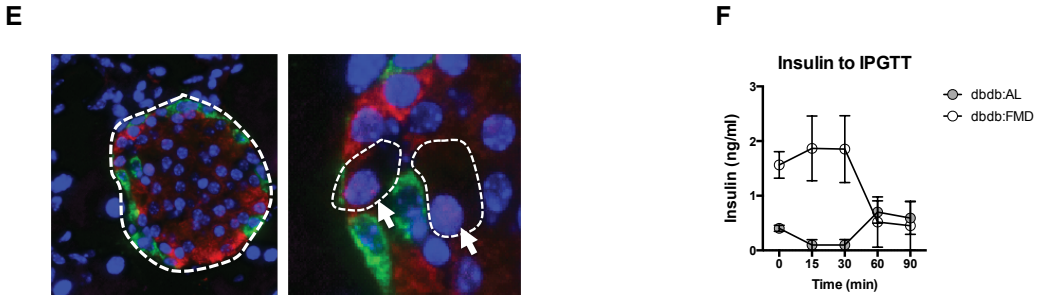
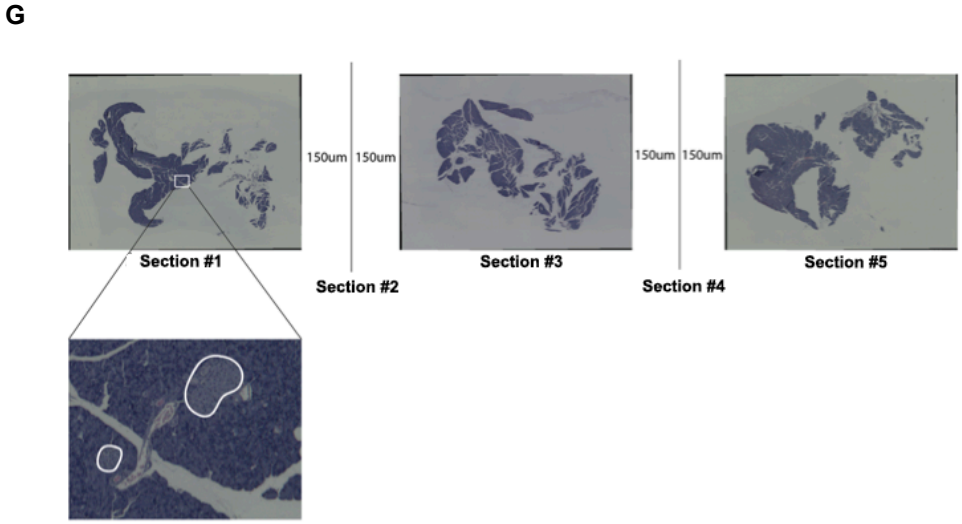

A
α cells
β cells
total
No. cells/ islet
WT/AL
BL
AL
FMD
db/db
B
PCNA+ α
PCNA+ β
total PCNA+


C
BW
body weight (g)
days after BL
db/db:AL
db/db:FMD
WT:AL
D
PCNA+ non-α/β
non-α/β
Pdx1+α
No. cells/ Islet
WT/AL
BL
AL
FMD
db/db


E
F
Insulin to IPGTT
Insulin (ng/ml)
Time (min)
dbdb:AL
dbdb:FMD


G
150um
150um
150um
150um
Section #1
Section #2
Section #3
Section #4
Section #5