FIGURES

Figure 1

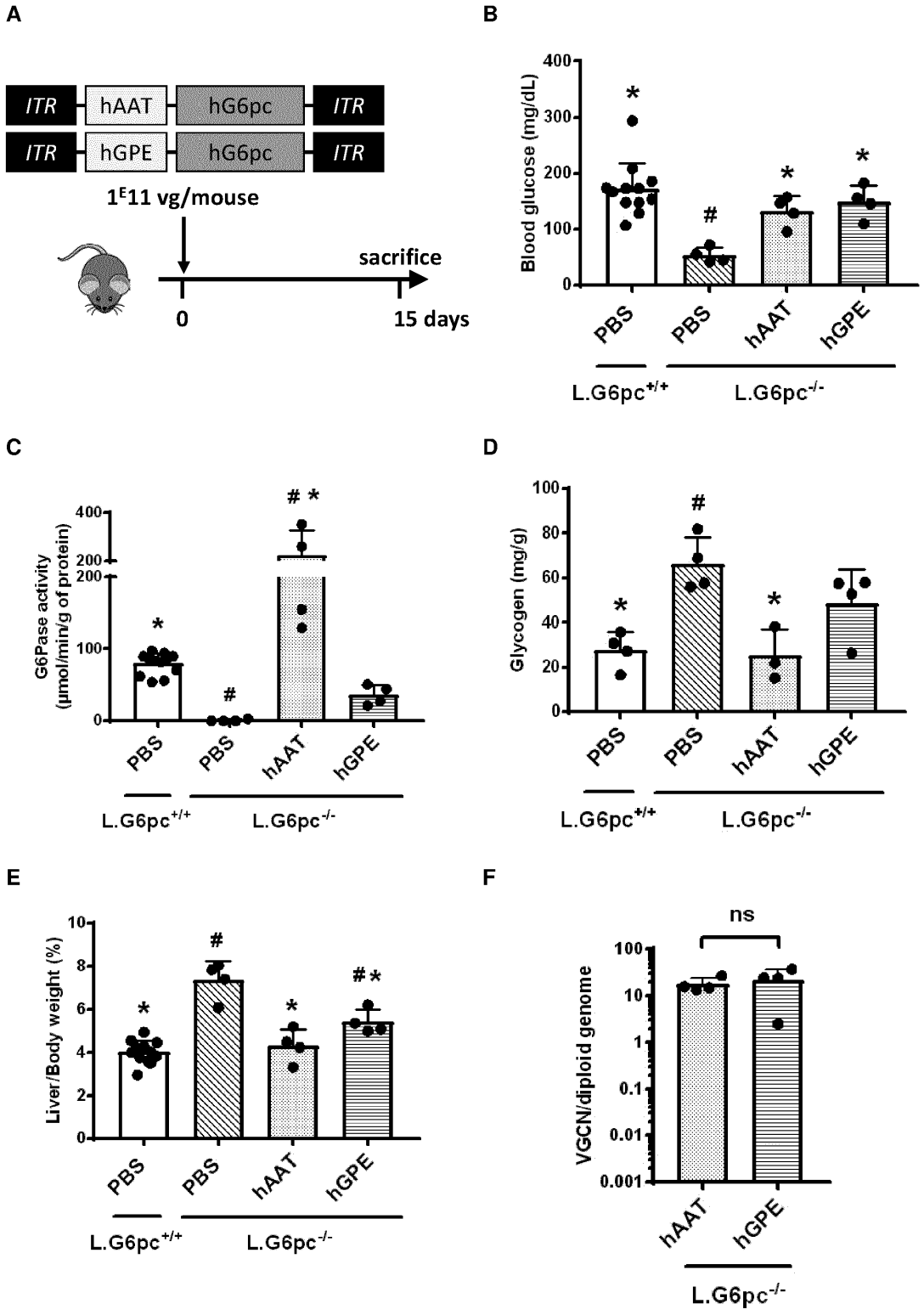


Figure 2

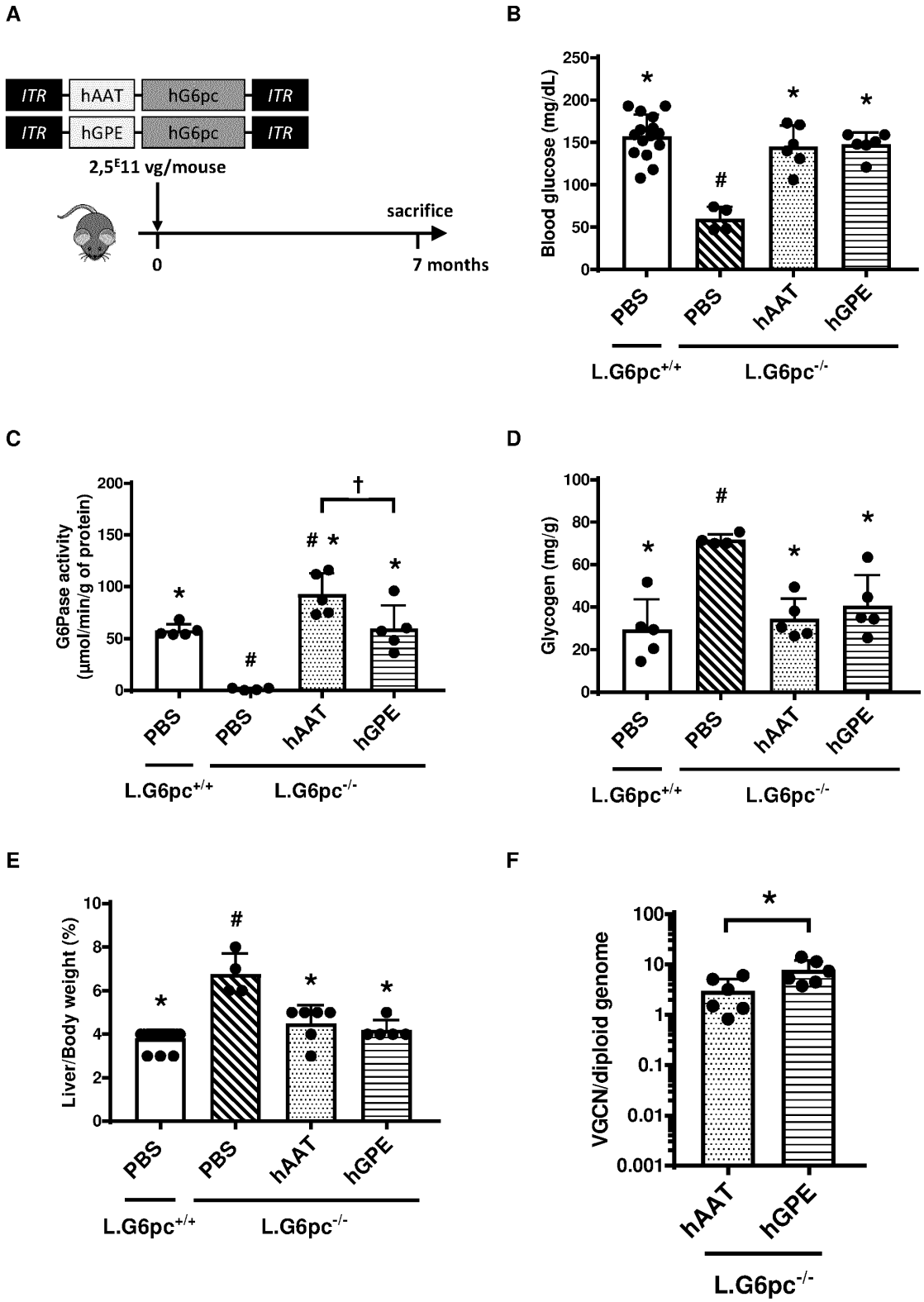

A
ITR
hAAT
hG6pc
ITR
ITR
hGPE
hG6pc
ITR
2,5E11 vg/mouse
sacrifice
0
7 months
B
Blood glucose (mg/dL)
250
200
150
100
50
0
PBS
PBS
hAAT
hGPE
L.G6pc+/+
L.G6pc-/-
C
G6Pase activity (µmol/min/g of protein)
200
150
100
50
0
PBS
PBS
hAAT
hGPE
L.G6pc+/+
L.G6pc-/-
D
Glycogen (mg/g)
100
80
60
40
20
0
PBS
PBS
hAAT
hGPE
L.G6pc+/+
L.G6pc-/-
E
Liver/Body weight (%)
10
8
6
4
2
0
PBS
PBS
hAAT
hGPE
L.G6pc+/+
L.G6pc-/-
F
VGCN/diploid genome
100
10
1
0.1
0.01
0.001
hAAT
hGPE
L.G6pc-/-

Figure 3

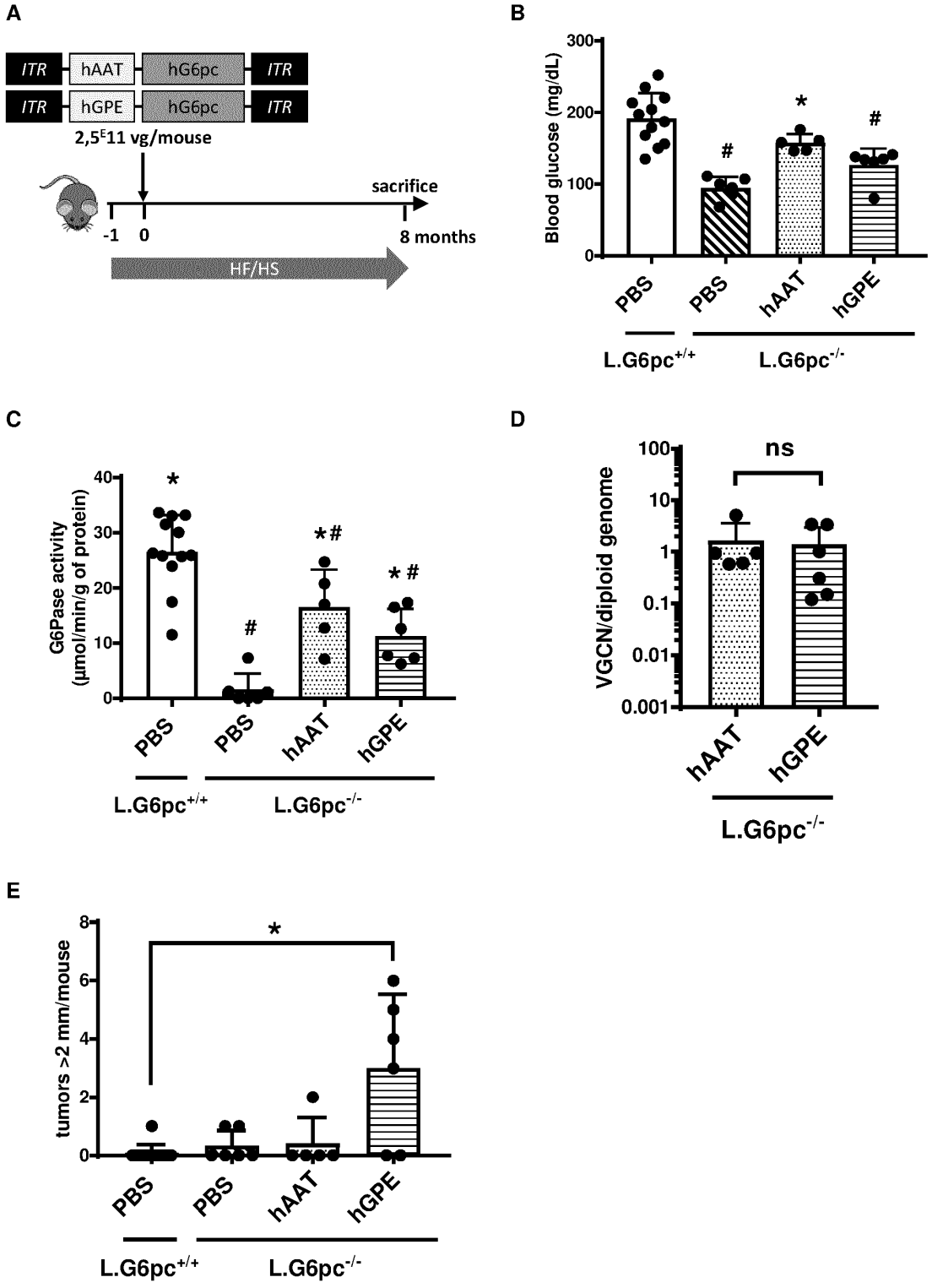

A
ITR
hAAT
hG6pc
ITR
ITR
hGPE
hG6pc
ITR
2,5E11 vg/mouse
sacrifice
-1
0
8 months
HF/HS
B
Blood glucose (mg/dL)
300
200
100
0
PBS
PBS
hAAT
hGPE
L.G6pc+/+
L.G6pc-/-
C
G6Pase activity (µmol/min/g of protein)
40
30
20
10
0
PBS
PBS
hAAT
hGPE
L.G6pc+/+
L.G6pc-/-
D
VGCN/diploid genome
100
10
1
0.1
0.01
0.001
ns
hAAT
hGPE
L.G6pc-/-
E
tumors >2 mm/mouse
8
6
4
2
0
PBS
PBS
hAAT
hGPE
L.G6pc+/+
L.G6pc-/-

Figure 4

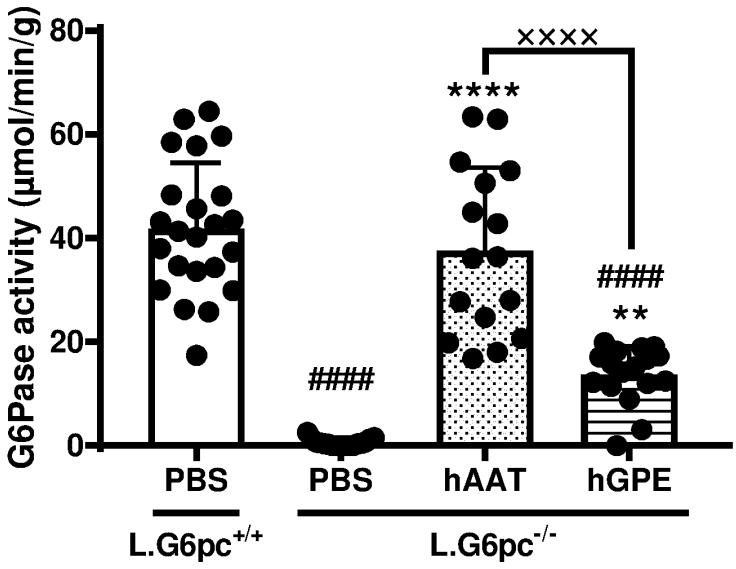


Figure 5

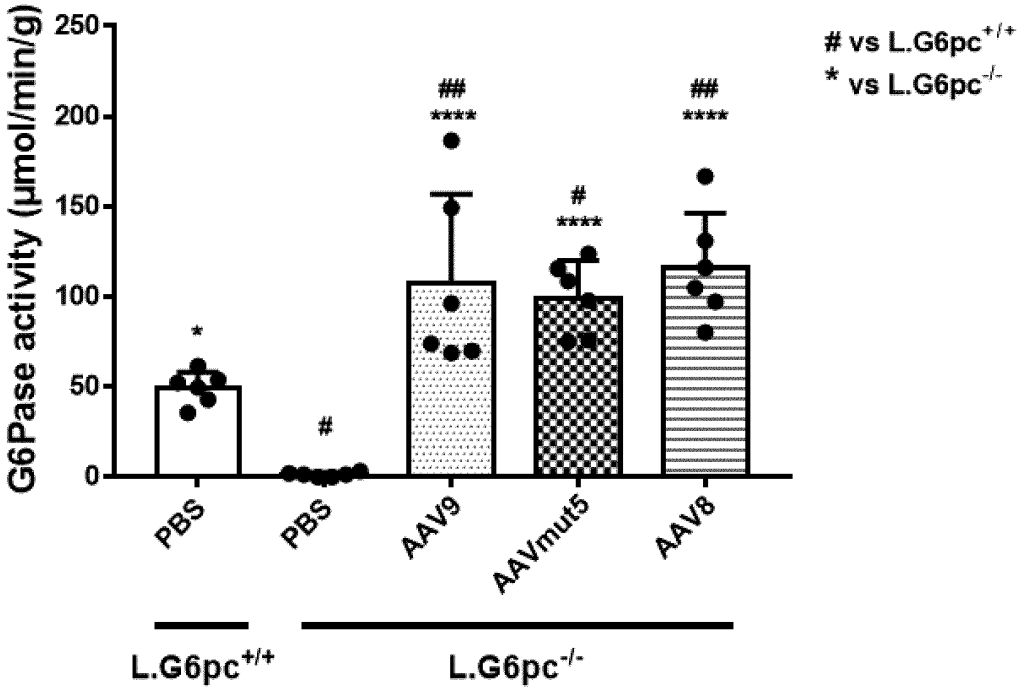
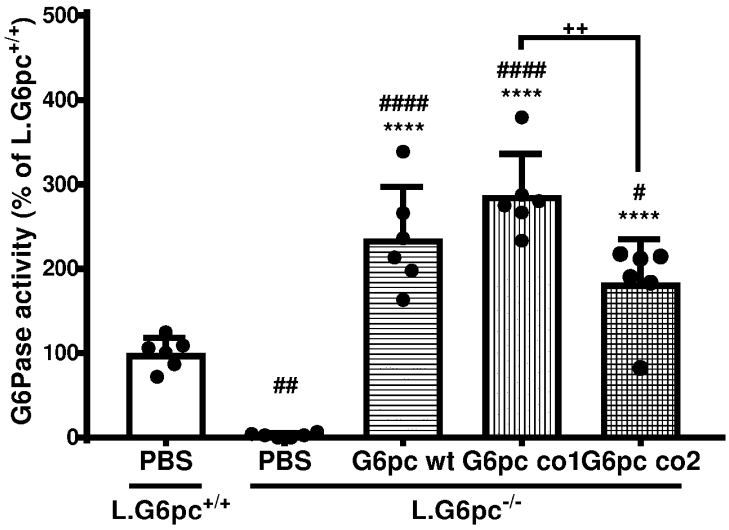
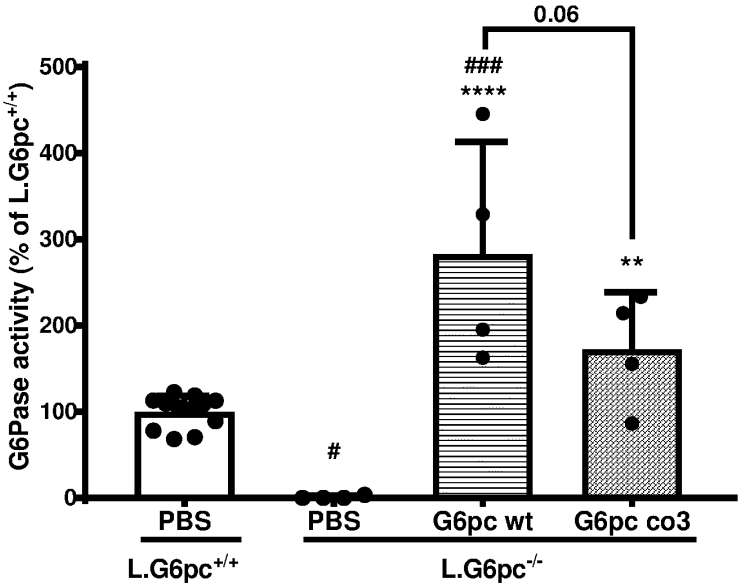


Figure 6

6A



6B