A
Ptpn2fl/fl
POMC-TC
Plasma Insulin (ng/ul)
0
1
2
3
8
7
8
7
8
7
Zero
Basal Turnover
Insulin Clamp

B
Ptpn2fl/fl
POMC-TC
Blood Glucose (mM)
0
5
10
15
8
7
8
7
8
7
Zero
Basal Turnover
Insulin Clamp

C
PBS
Insulin (0.3 mU/g)
Ptpn2fl/fl
POMC-TC
Ptpn2fl/fl
POMC-TC
p-AKT
AKT
Actin
WAT homogenates from individual mice (fasted 4h)
Ptpn2fl/fl
POMC-TC
p-AKT/AKT (fold)
0.0
0.5
1.0
1.5
Vehcile
Insulin

D
PBS
Insulin (0.3 mU/g)
Ptpn2fl/fl
POMC-TC
Ptpn2fl/fl
POMC-TC
p-AKT
AKT
GAPDH
Muscle homogenates from individual mice (fasted 4h)
Ptpn2fl/fl
POMC-TC
p-AKT/AKT (fold)
0.0
0.5
1.0
1.5
Vehcile
Insulin