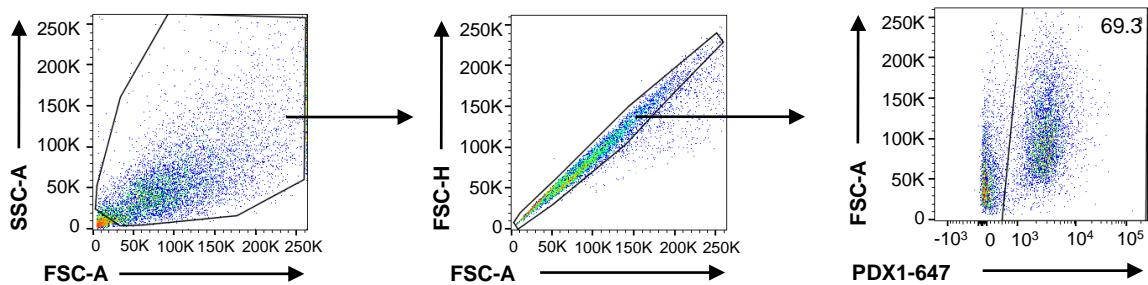
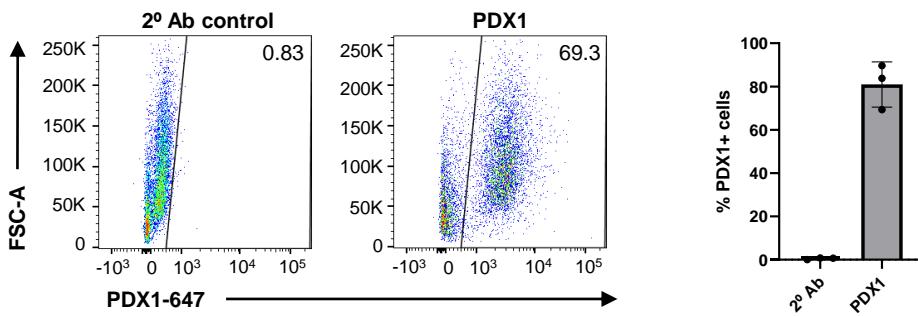
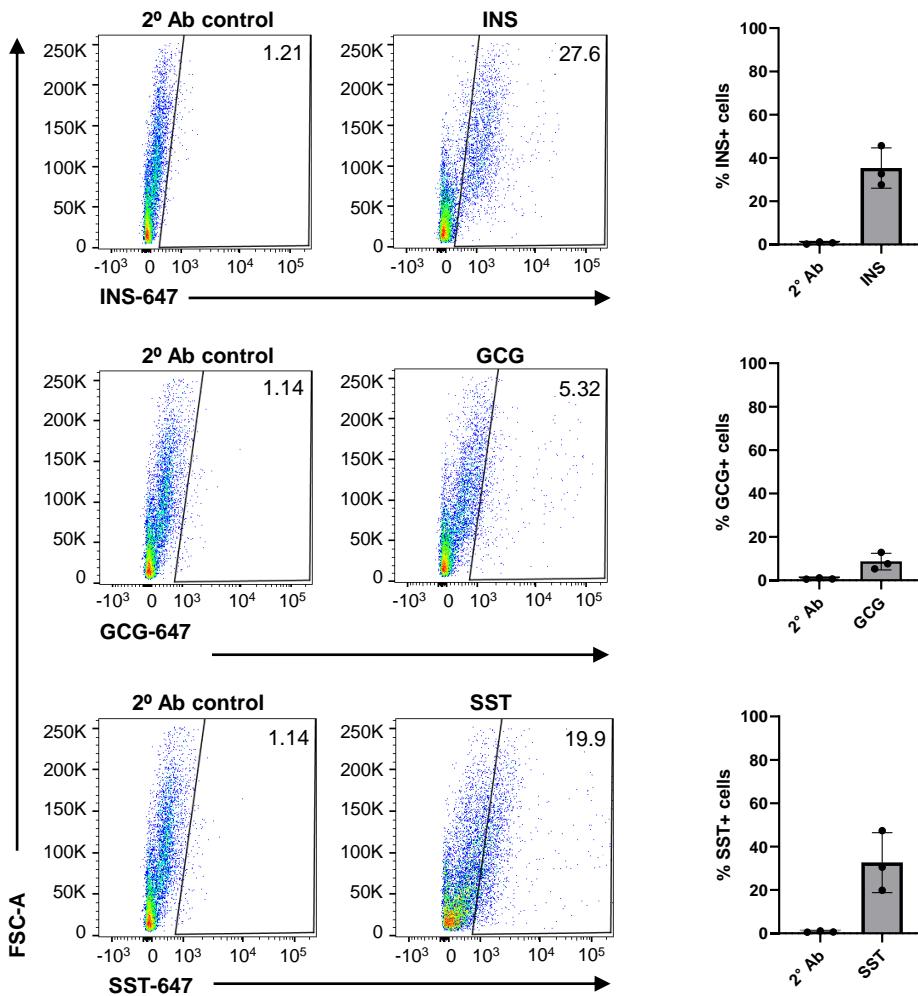
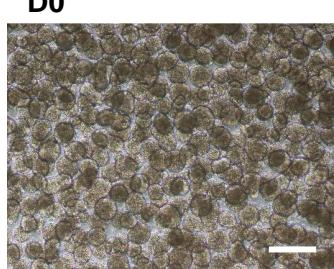
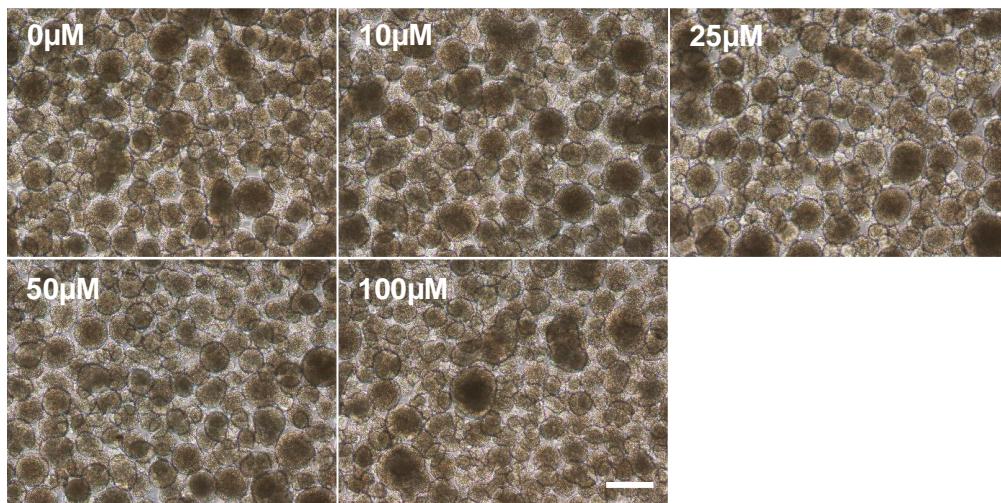
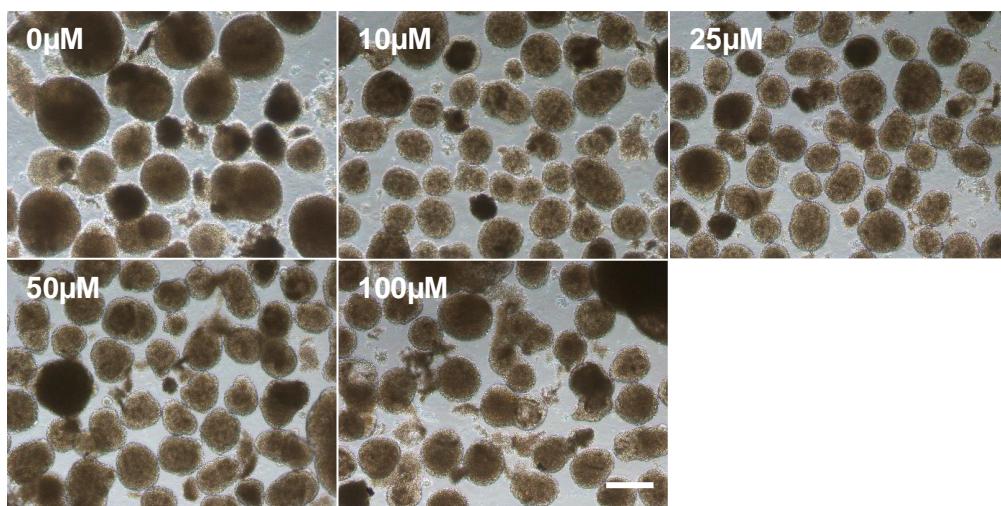
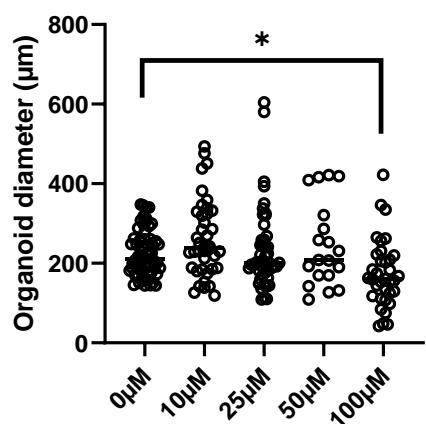
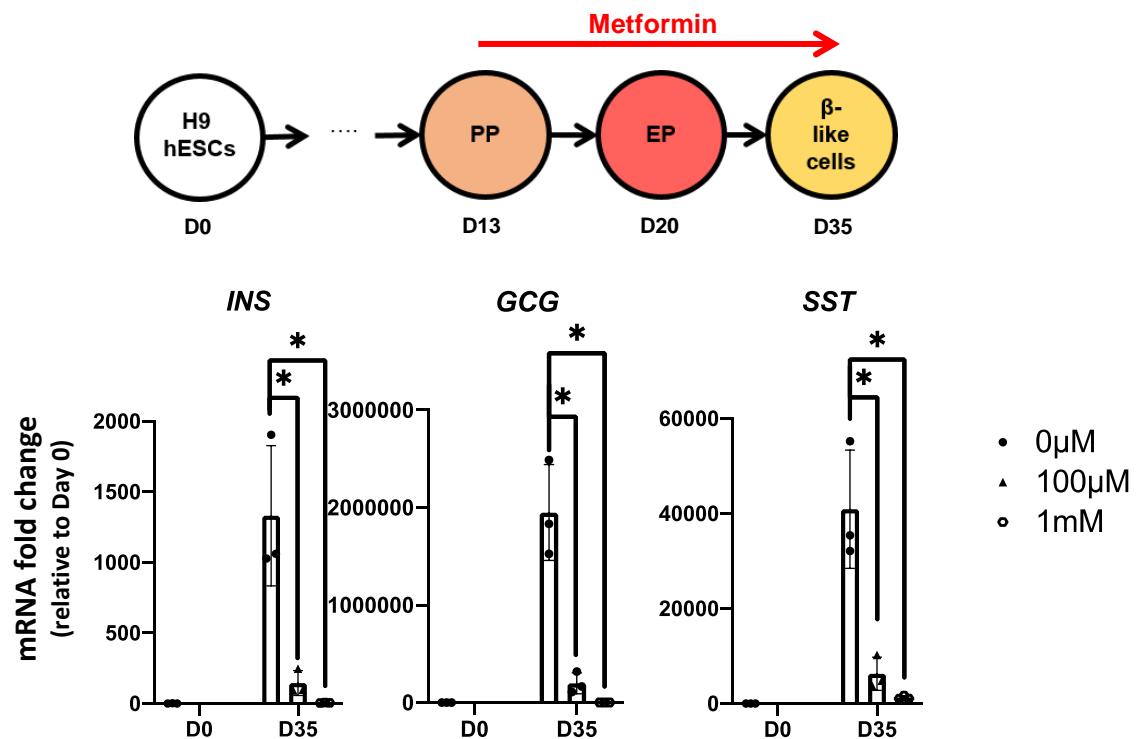


**A Gating strategy****B**D20 endocrine progenitors**C**D35 β-like cells

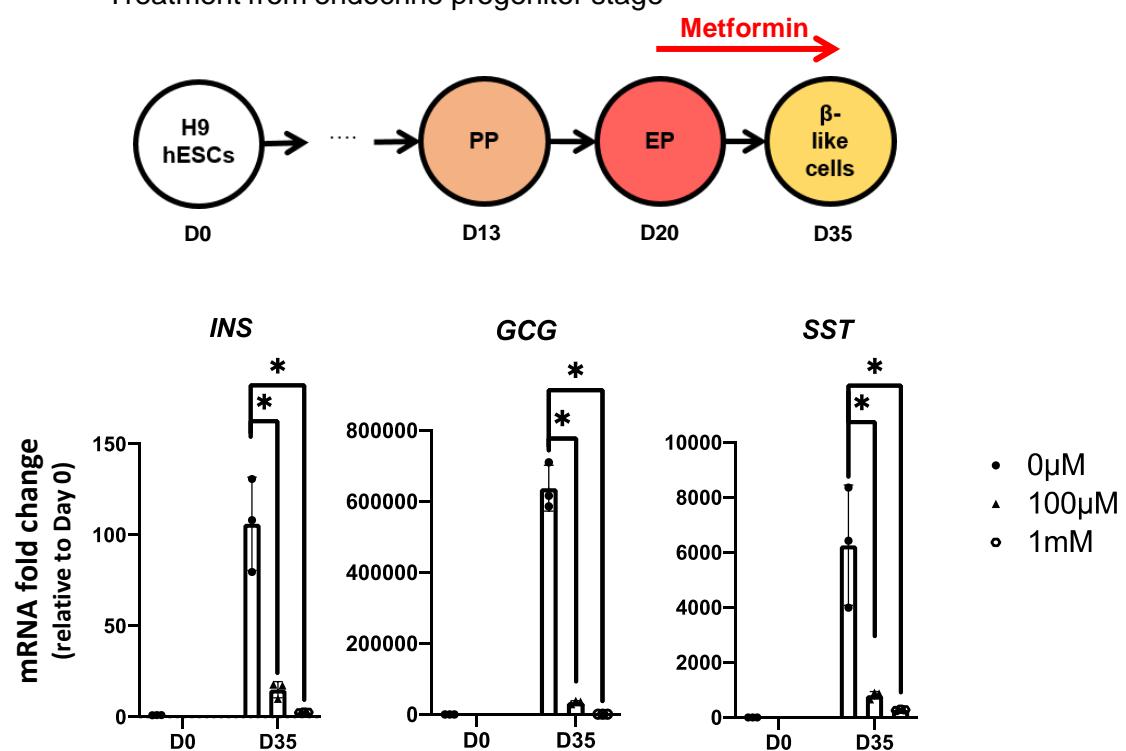
**A****D20****D35****B**

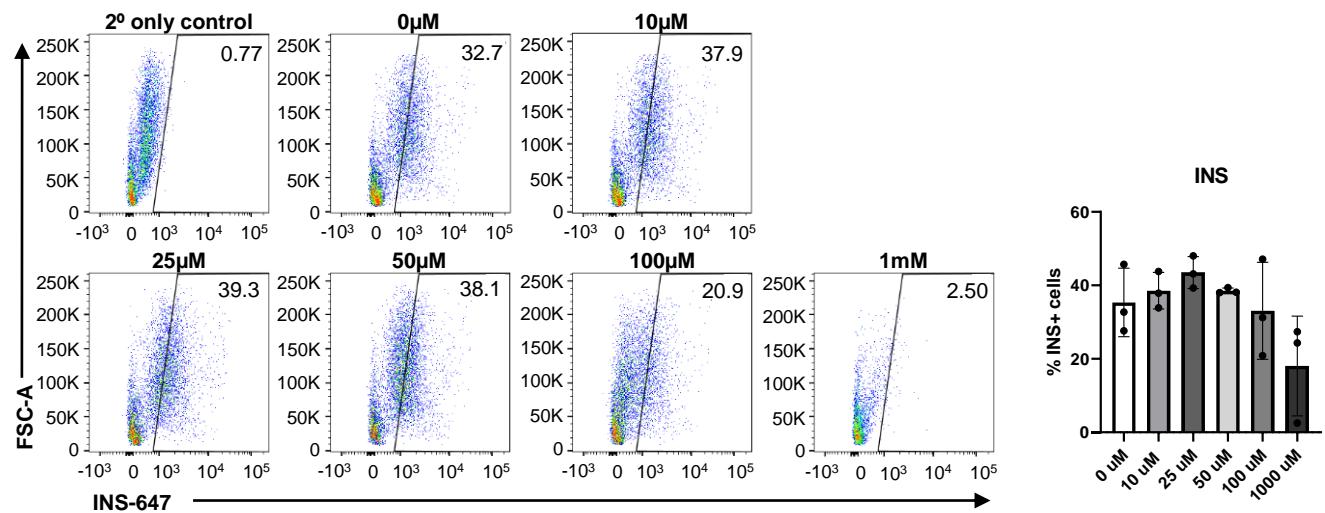
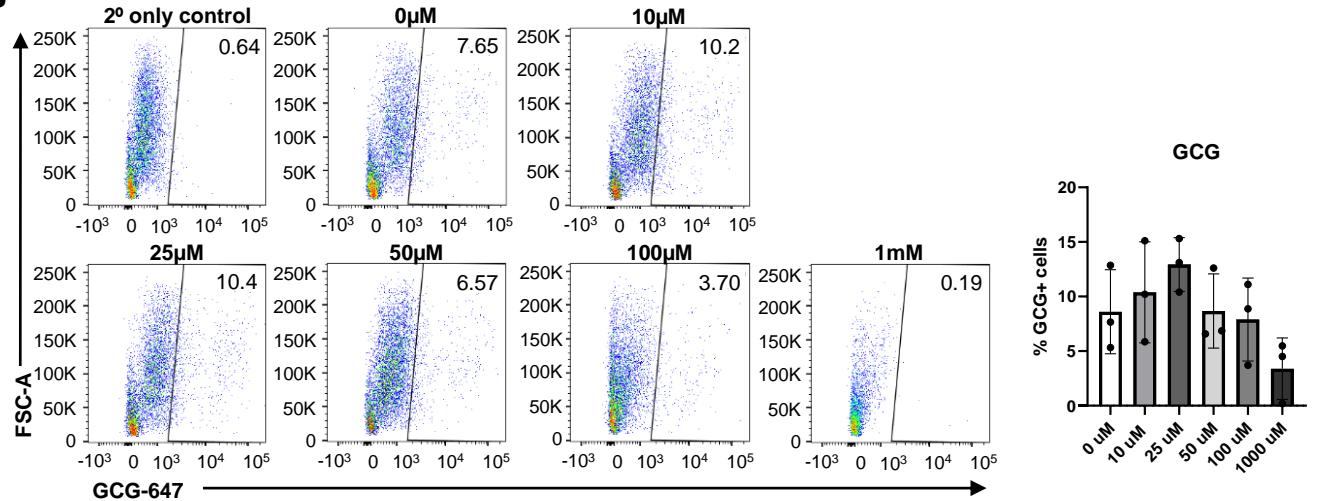
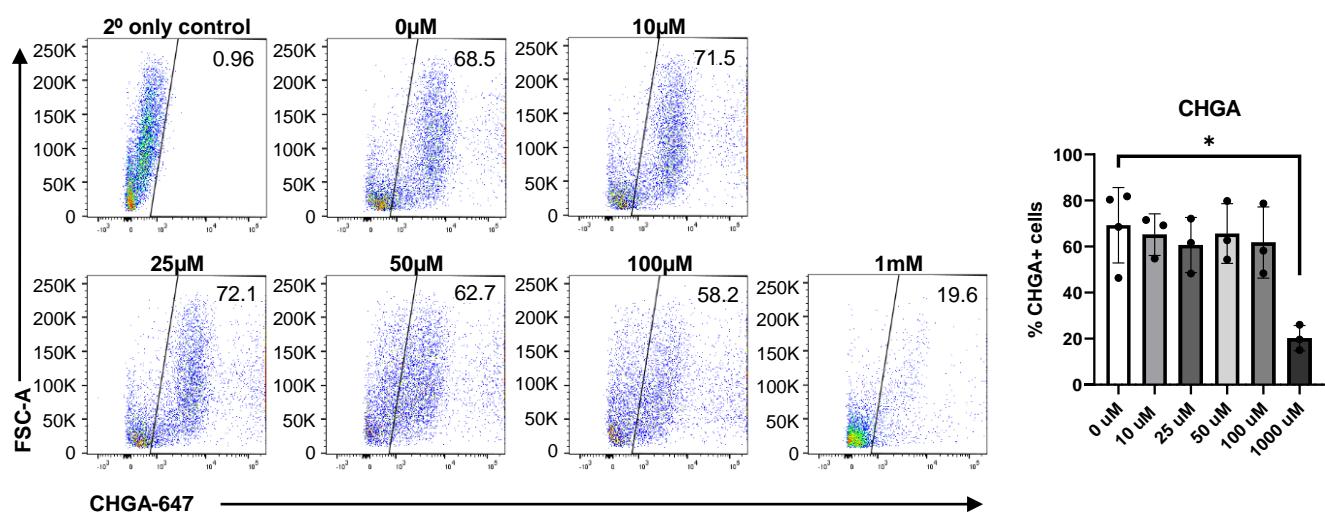
**A**

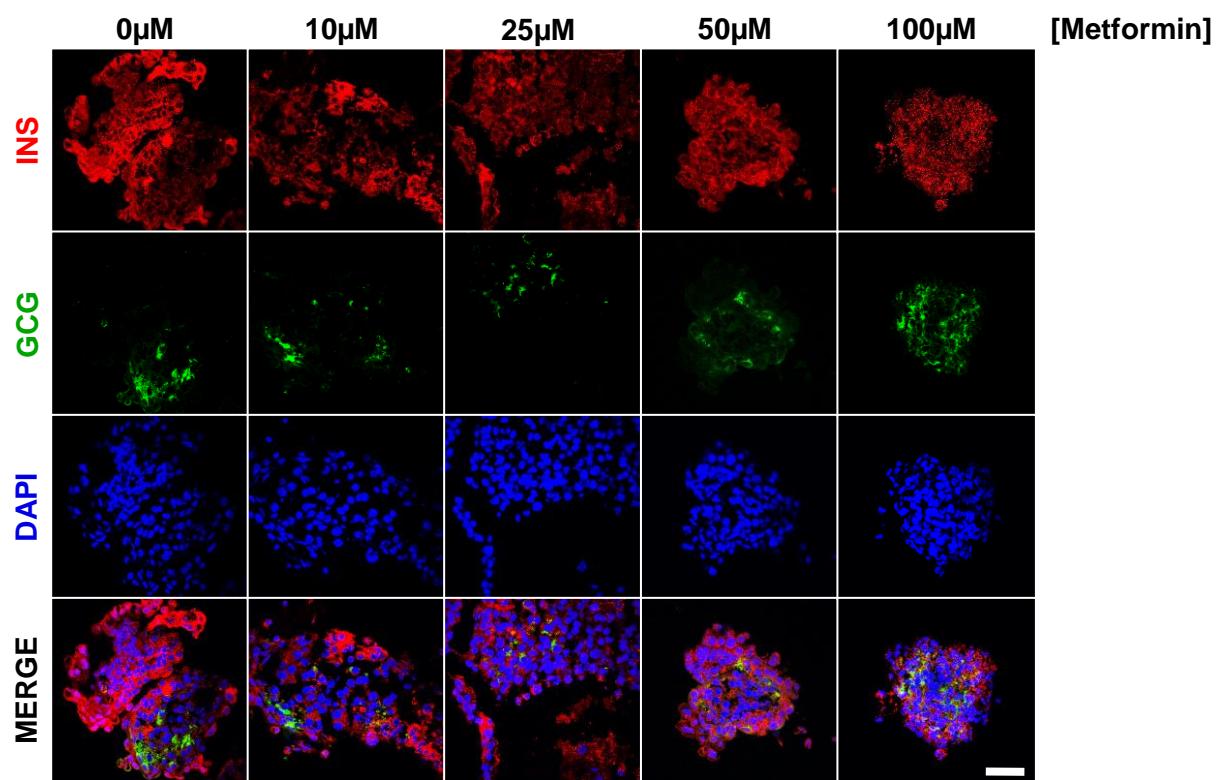
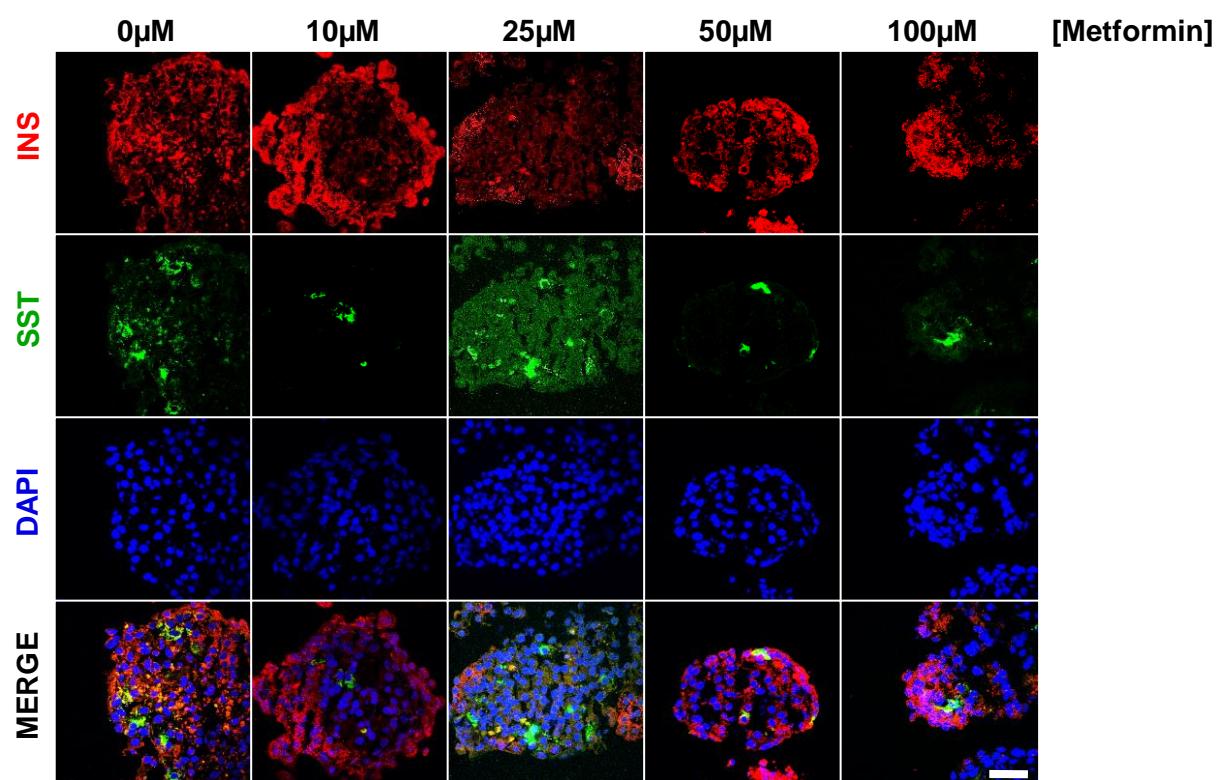
Treatment from pancreatic progenitor stage

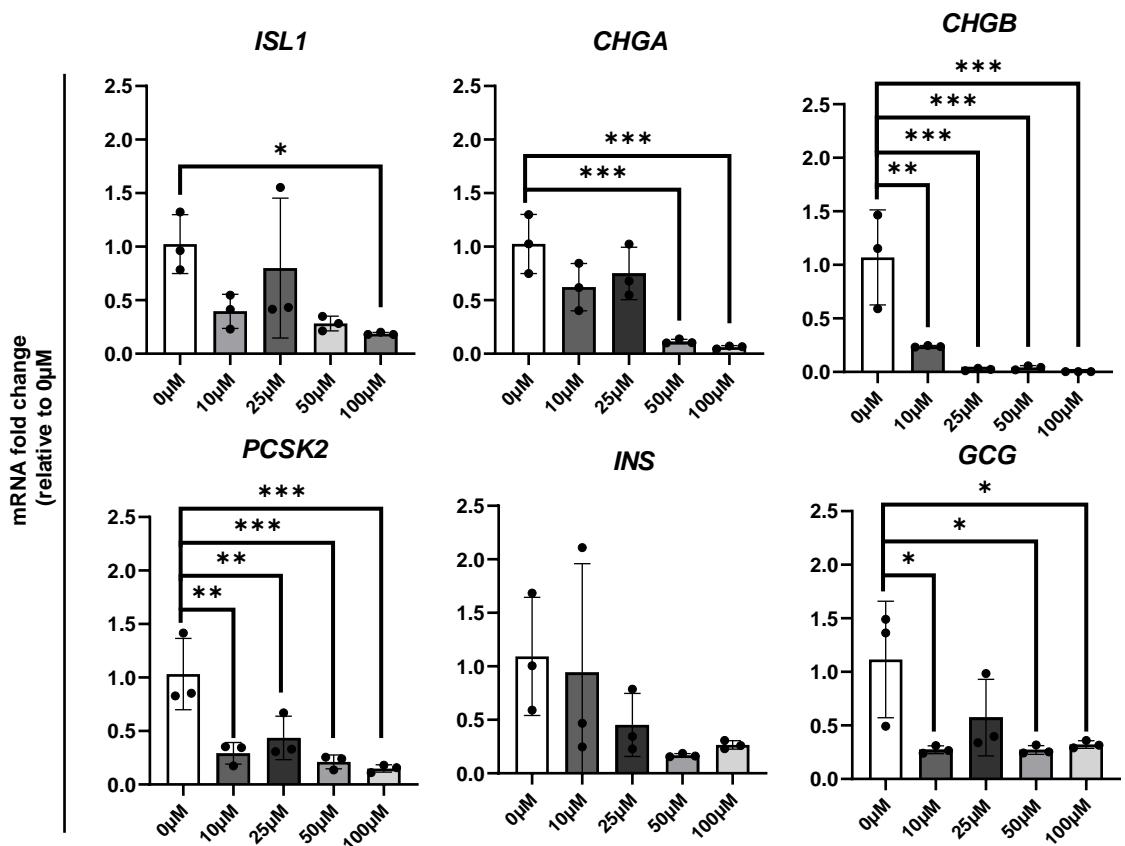
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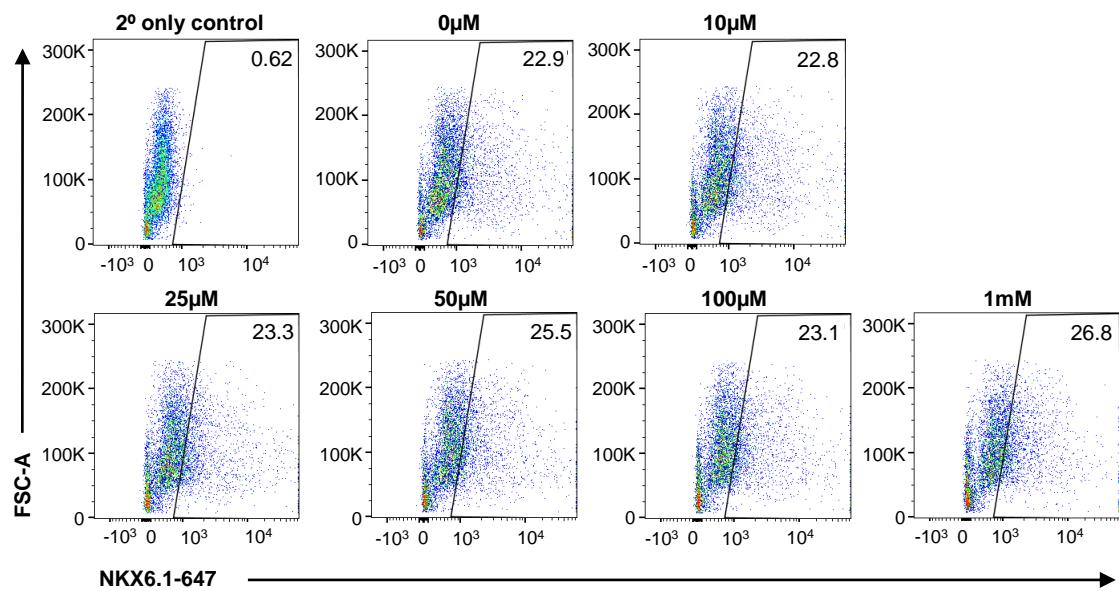
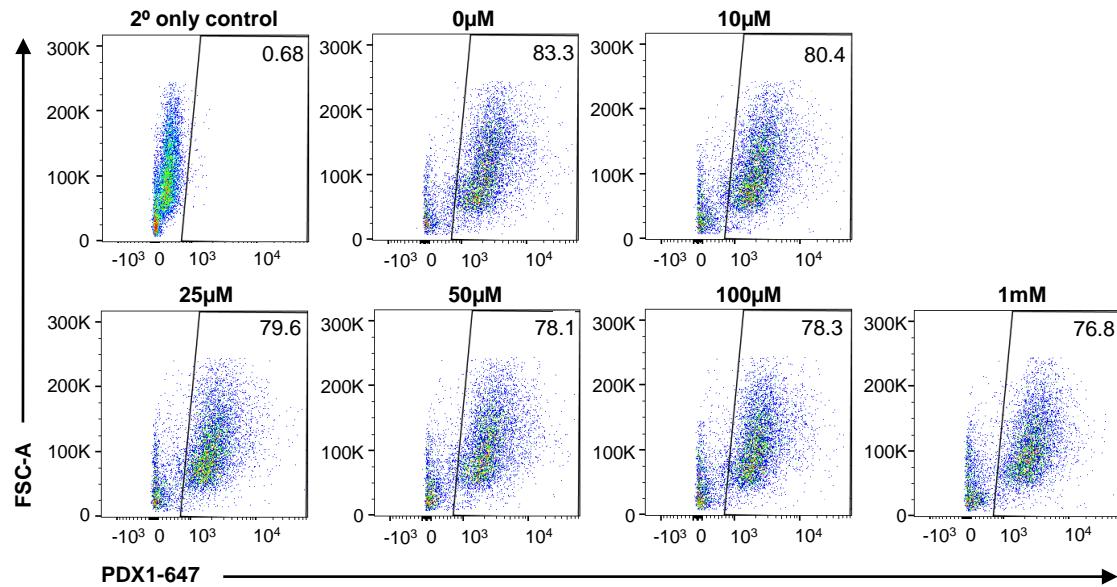
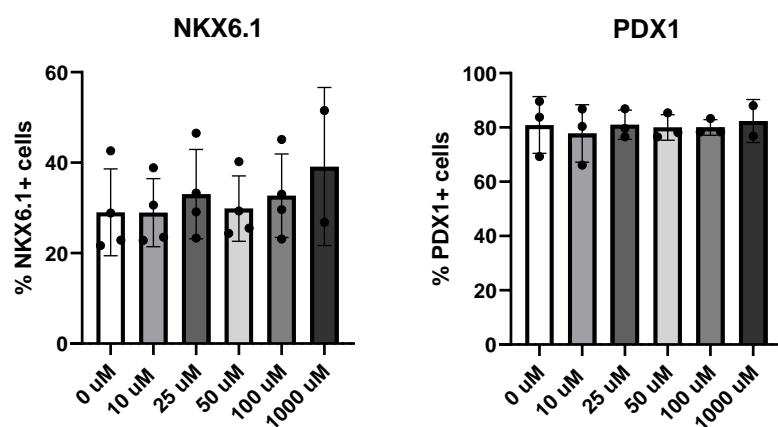
Treatment from endocrine progenitor stage

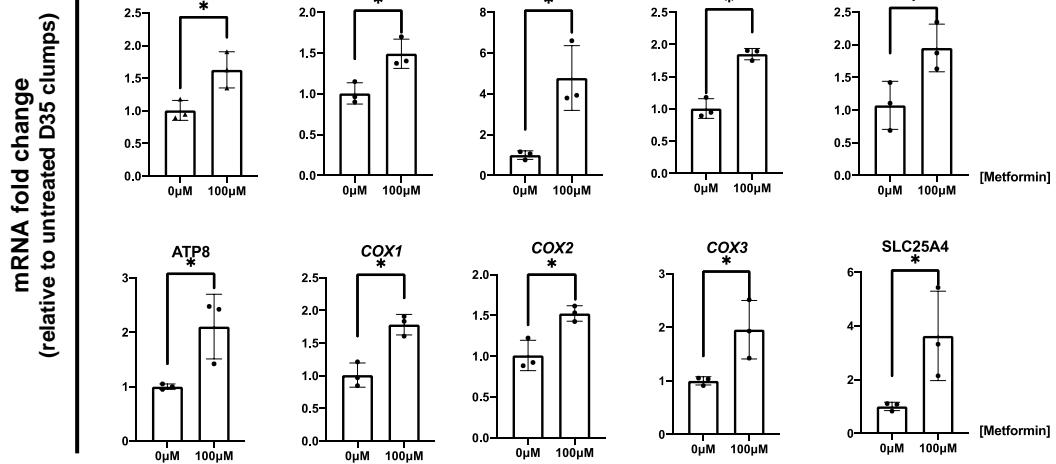
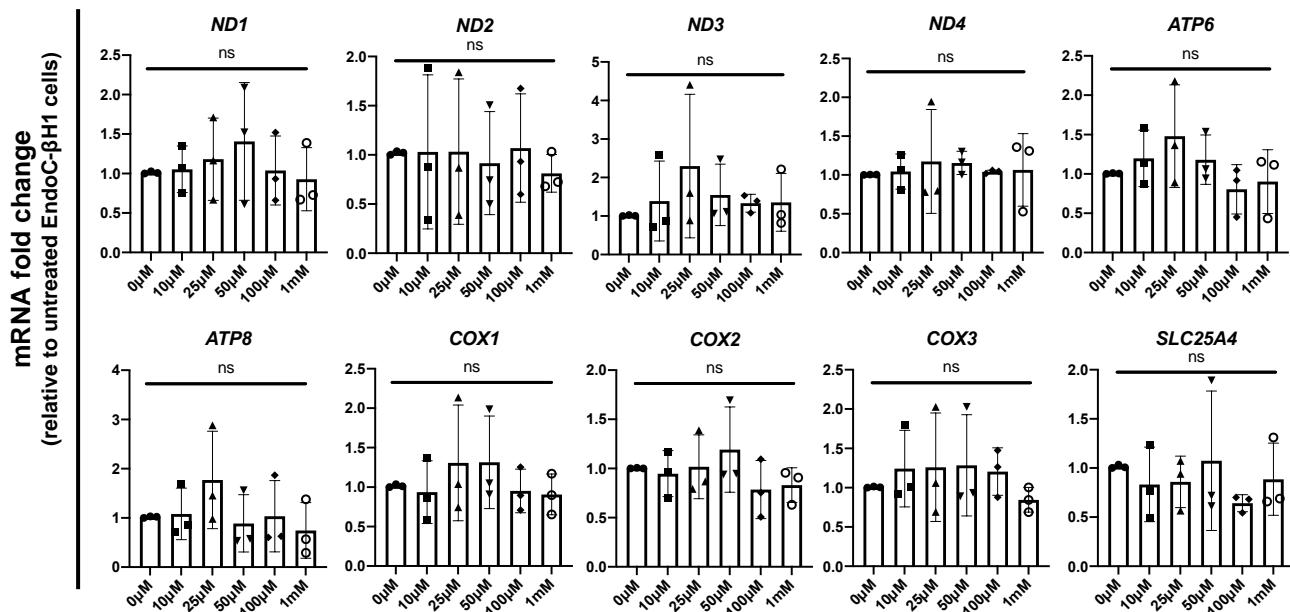
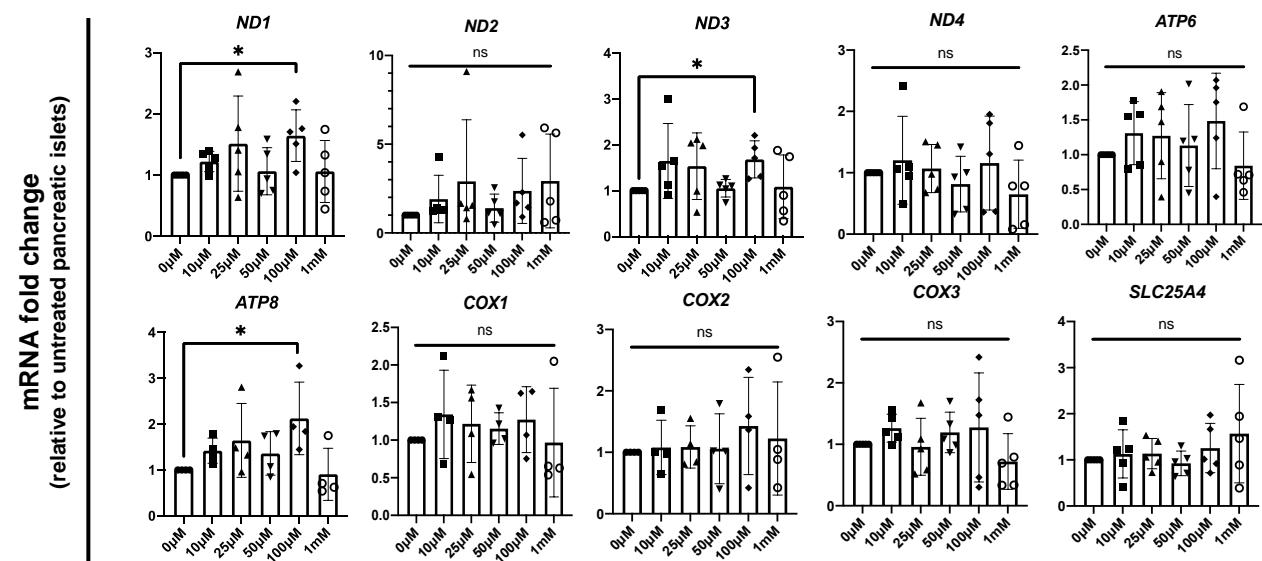


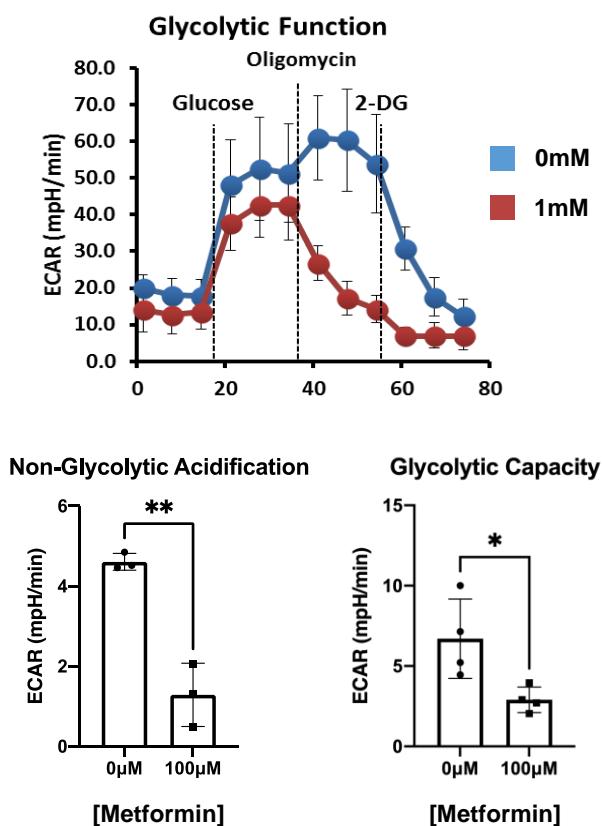
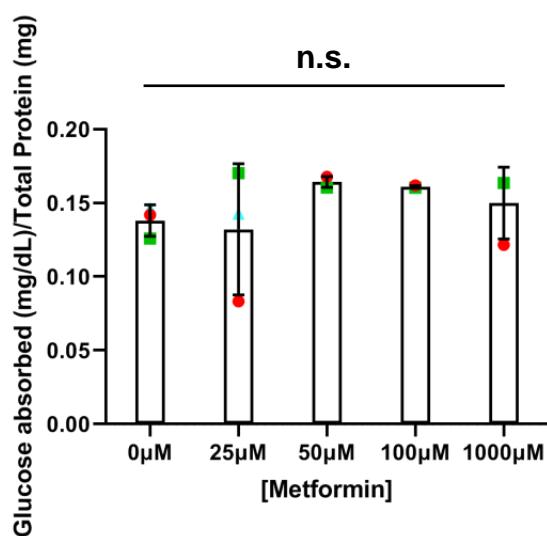
**A D35  $\beta$ -like cells****B****C**

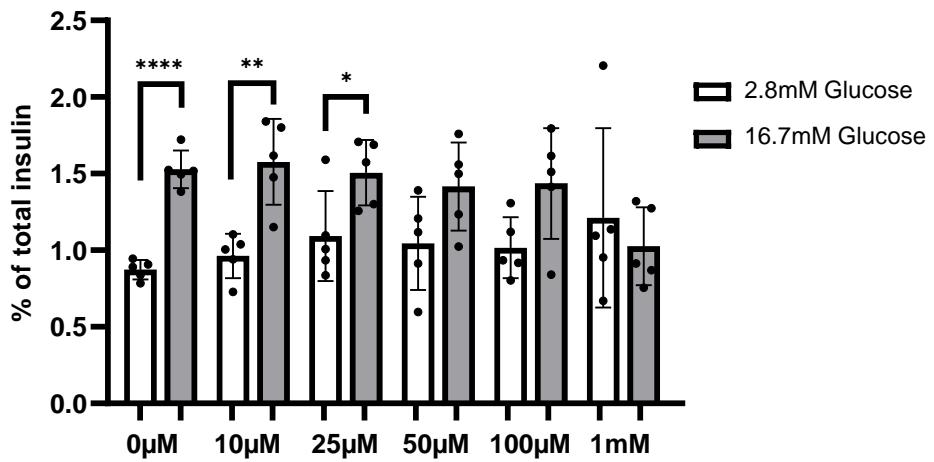
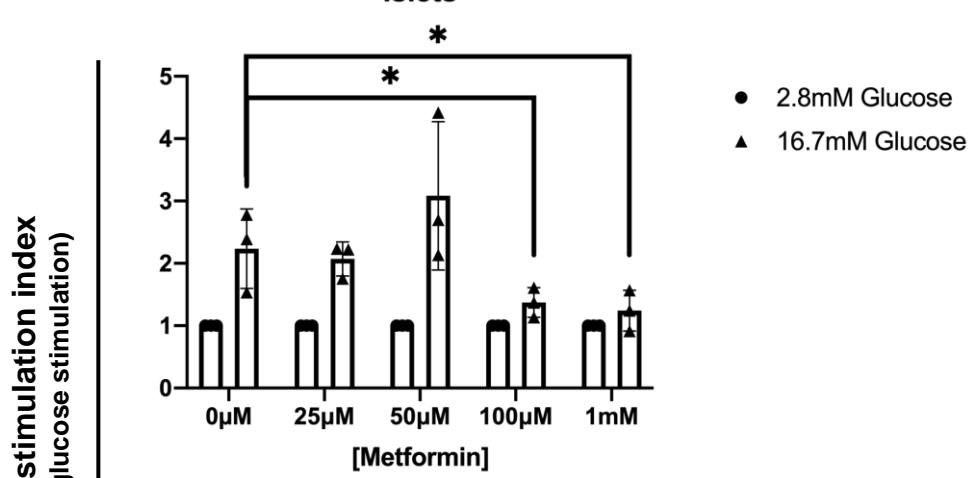
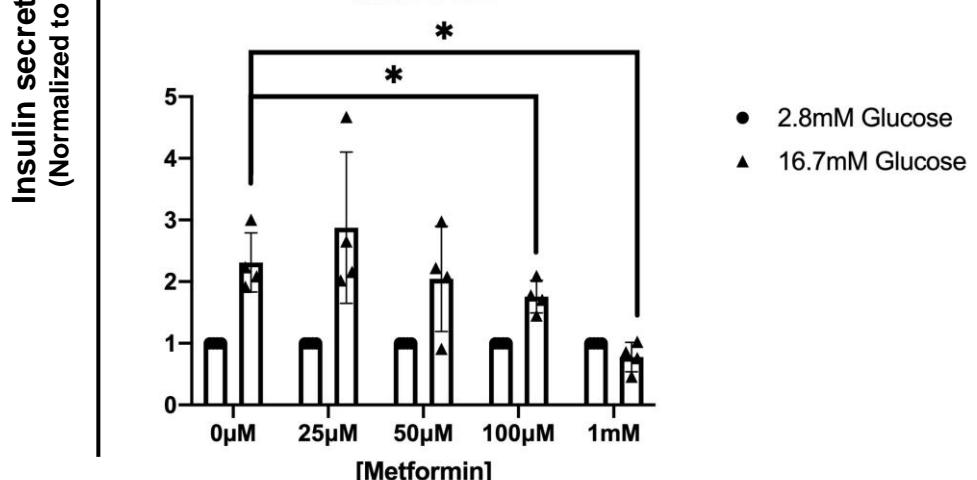
D35 β-like cell clumpsD35 β-like cell clumps

Transcript levels in D35  $\beta$ -like clumps

**A**D20 endocrine progenitors**B**D20 endocrine progenitors**C**

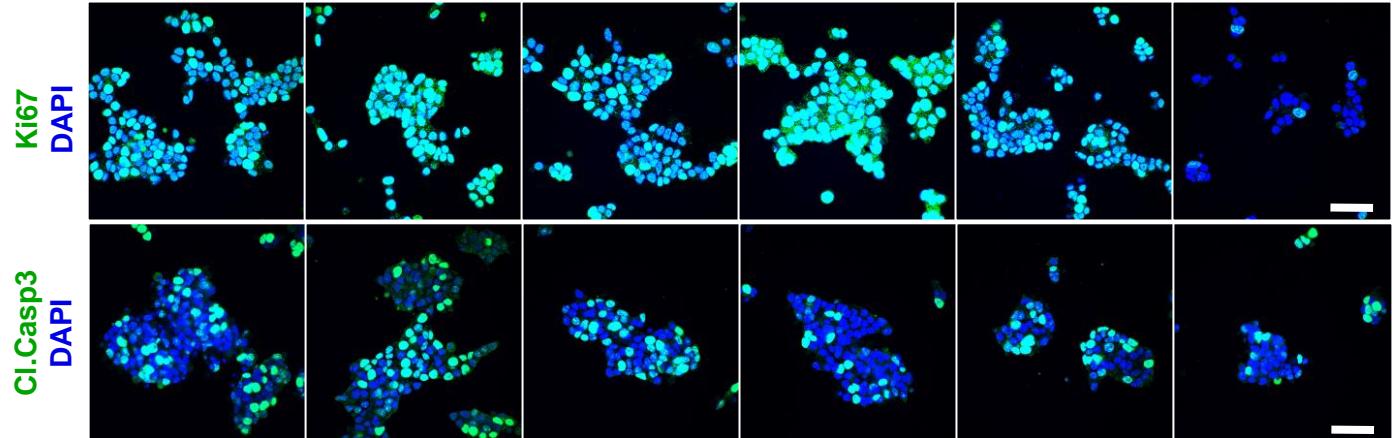
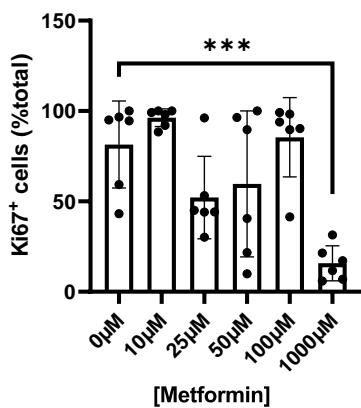
**A****B****C**

**A****B**

**A****EndoC- $\beta$ H1****B****Islets****Min6 GSIS**

**A**

[Metformin]

0 $\mu$ M 10 $\mu$ M 25 $\mu$ M 50 $\mu$ M 100 $\mu$ M 1mM**B****C**