

Supplemental Material to:

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Dyrk1A induces pancreatic β cell mass expansion and improves glucose tolerance

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http://www.landesbioscience.com/journals/cc/article/29250

Figure S1

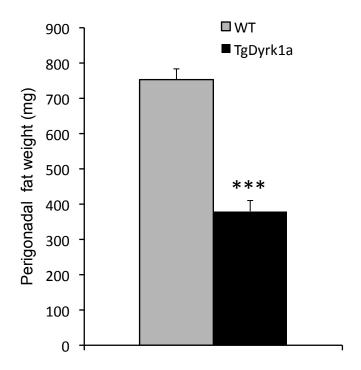


Figure S1: Fat mass in aged mBACTgDyrk1A mouse

Perigonadal fat mass in wild type and mBACTgDyrk1A male mice of 24 weeks. Data are shown as the mean \pm SEM of at least three independent experiments, ***P < 0.01.

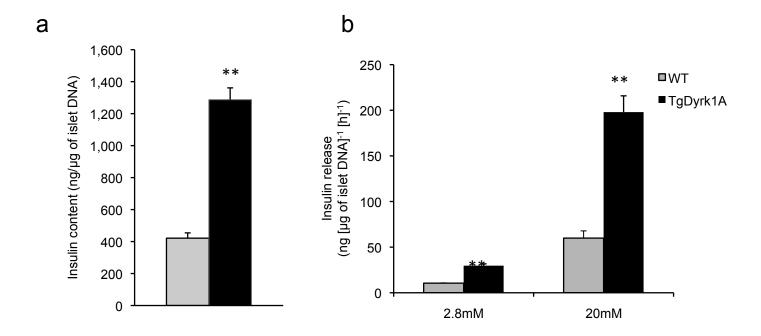


Figure S2: Insulin content and secretion in *mBACTgDyrk1A* mouse islets. (a–b) Insulin content and glucose-induced insulin secretion and insulin content in isolated islets from 12-week-old mBACTgDyrk1A and wild-type mice presented as ng per μg of islet DNA per hour. Data are shown as mean \pm SEM of at least three independent experiments. **p<0.01.

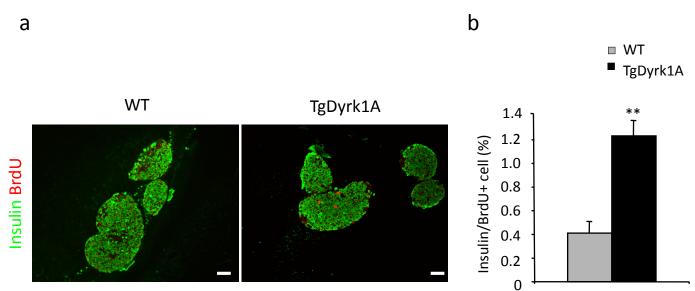


Figure S3: Proliferation in isolated islet from mBACTgDyrk1A mice (a) BrdU and Insulin staining on islet from 24 weeks mBACTgDyrk1A and wild-type mice. Scale bar: 25 μ m. (b) Proliferative index was established by measurement of at least 2,000 beta cells. Data are mean \pm SEM from at least three pancreata per condition. **P < 0.01.