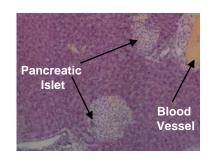
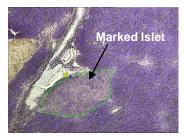
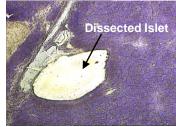
- a Cryosections (14 µm)
- **b** Cresyl Violet staining (10 min)



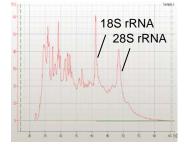
c Laser capture microdissection





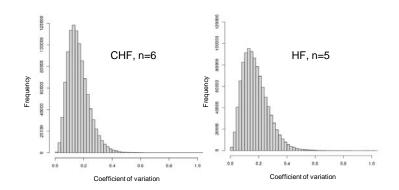


d RNA QC on Agilent PicoChip Mean RIN numbers: islets = 5.2 total pancreas = 7.0



e QC of hybridized Affymetrix Chips

Coefficient of variation (CV) plots of biological replicate experiments. HF, high fat diet; CHF, Carbohydrate-free high fat diet;



Electronic supplementary material

ESM Fig. 1 Workflow for isolation of pancreatic islets by laser capture microdissection. **a** Cryosections (14 μ m) and Cresyl violet staining (10 min), (**b**) laser capture microdissection and (**c**) RNA quality control on Agilent PicoChip. Mean RNA integrity numbers: islets 5.2, total pancreas 7.0. **d** Quality control of hybridised Affymetrix chips for CHF (n=6) and (**e**) HF (n=5), depicted as coefficient of variation plots of replicate experiments