



ESM Fig. 1 Assessment of islet sample purity. Expression levels of the acinar genes *Amy2* and *Prss1* were more than 100 fold lower in purified islets than in whole pancreas samples. White bars – whole pancreas, black bars – pancreatic islets. Data were obtained by quantitative real-time PCR (qRT-PCR) using 3 month (3M) old rats (n=3 samples in each group) and were normalized to the values obtained in the whole pancreas (arbitrarily set to 1).