

### **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Beta heterogeneity markers and beta functional genes. Markers, previously identified by Hrovatin et al. 2023, used to generate gene networks presented in Figure 3f.

File Name: Supplementary Data 2

Description: Summary of the pancreatic islet donor characteristics. Islets were used for TBL1X and TBL1XR1 mRNA level determination. Full information at [www.humanislets.com](http://www.humanislets.com)