Beta cell: Variable genes on T2D trajectory top3% Low T2D ----> High T2D RPS24 -RPS6 RPS21 RPL23 RPL11 CLU RPL35A RPL31 RPLP1 RPL37A RPL38 RPS29 RPL34 TTR RBP4 INS SARAF PAM DDX5 HSPA5 EIF3E EEF1G ERP29 MTRNR2L1 NPC2 RPS9 ANXA2 **QPCT** ATP6V1G1 VGF **CIRBP** C10orf10 ACTG1 RPL10 RPL19 **ALDOA** JUN CADM1 HSP90B1 Variable genes RTN4 value **EPCAM** 1.00 NUCB2 0.75 ID1 UCHL1 0.50 EID1 0.25 **FOS** S100A6 0.00 MT2A PEBP1 ITM2B GNB2L1 GSN PDIA3 **PSAP CD63 NPY** TMEM59 TMSB4X H3F3B RPL6 RPL7A EIF1 RPS3 GAD2 RPS2 RPL4 TPT1 SPINT2 RPLP0 RPL13 SCG5 **CHGA GAPDH** RPS4X SPP1 B2M PCSK1N SCG2 RPL3 FTL FTH1 CPE IAPP **GNAS** CHGB MALAT1 5 10 20 0 15 bin