

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: A comparison of PAR-LOY vs PAR-LOYq association statistics for the previously reported LOY signals

File Name: Supplementary Data 2

Description: : Exome-wide gene-burden association test statistics for LOY

File Name: Supplementary Data 3

Description: Moderate and high impact coding variants identified in GIGYF1

File Name: Supplementary Data 4

Description: Leave-one-out gene burden association analyses for GIGYF1

File Name: Supplementary Data 5

Description: The impact of CADD variant weighting using STAAR for LOY gene burden testing.

File Name: Supplementary Data 6

Description: The association of GIGYF1 loss of function on metabolic traits

File Name: Supplementary Data 7

Description: Phenotypic characteristics of GIGYF1 loss of function carriers

File Name: Supplementary Data 8

Description: Common variant associations on metabolic health at the GIGYF1 locus.