

SUPPLEMENTARY DATA

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Supplementary Figure S1. Relationship of insulin sensitivity ($1/FI$) with the ratio of the incremental area under the curve (iAUC) for each β -cell peptide to that for glucose (CP-iAUC/G-iAUC and I-iAUC/G-iAUC) from the oral glucose tolerance test in youth and adults (A and B, respectively), and those with IGT and diabetes (C and D, respectively). Youth are shown in red, adults in blue, IGT in green and diabetes in purple. The slopes relating the β -cell response measures to insulin sensitivity were all significant ($p < 0.001$), and the group differences were all significant (youth vs. adults: $p = 0.02$ for CP-iAUC/G-iAUC and $p < 0.001$ for I-iAUC/G-iAUC; IGT vs. diabetes: $p < 0.001$ for CP-iAUC/G-iAUC and I-iAUC/G-iAUC). The slopes for youth and adults did not differ by group ($p = 0.863$ for CP-iAUC/G-iAUC and $p = 0.218$ for I-iAUC/G-iAUC). Similarly, the slopes for IGT and diabetes did not differ by group ($p = 0.599$ for CP-iAUC/G-iAUC and $p = 0.084$ for I-iAUC/G-iAUC).

