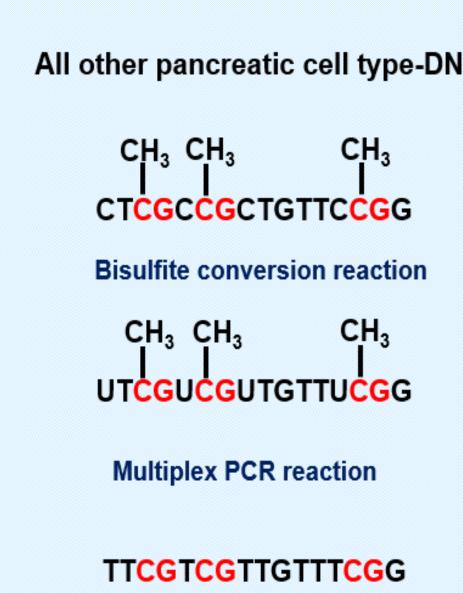


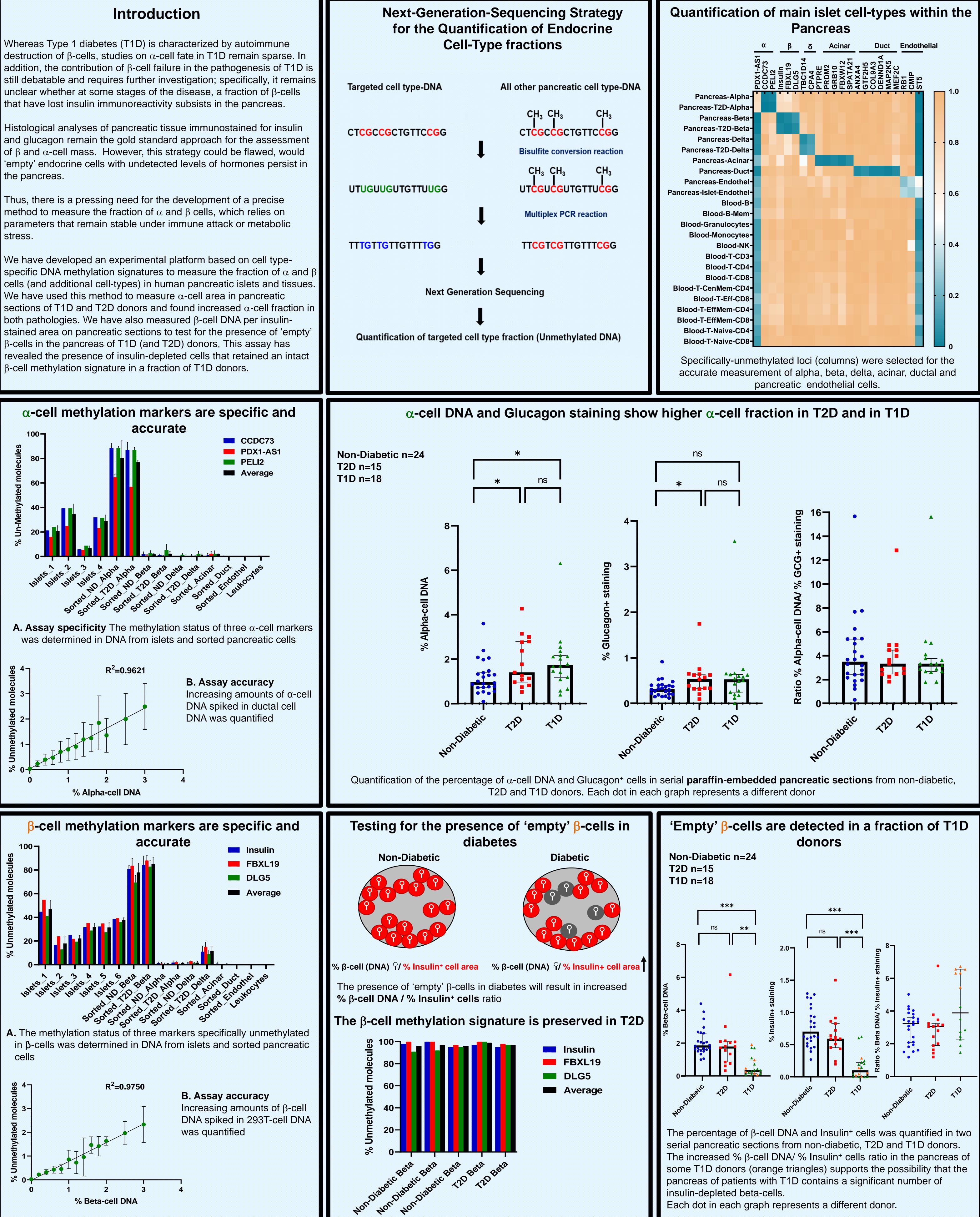
Hormone-independent assessment of human pancreatic endocrine-cell mass

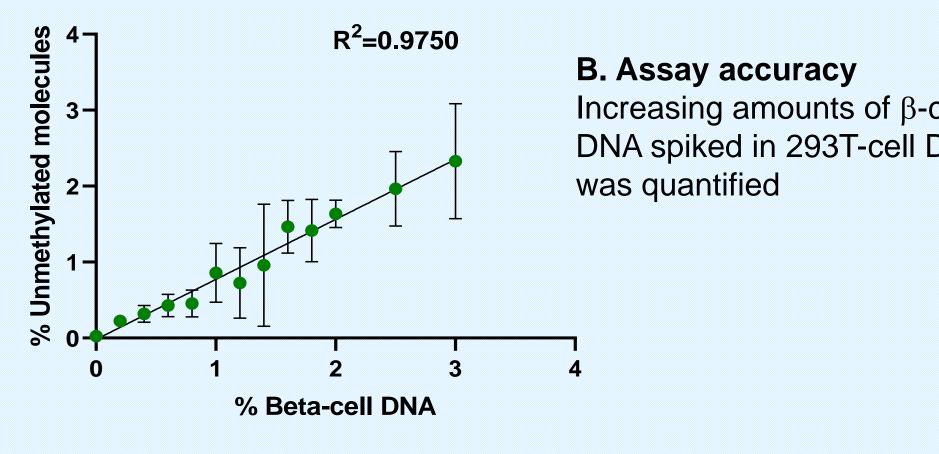
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Next-Generation-Sequencing Strategy for the Quantification of Endocrine **Cell-Type fractions**









Summary

A DNA methylation-based assay for the accurate quantification of alpha and beta-cells in human pancreatic islets and tissues.

A significant increase in the alpha-cell fraction in diabetic donors compared to non-diabetic.

Preliminary data indicate that the pancreas of some T1D donors contains 'empty' β -cells.