Supporting Information

Coupling microdroplet-based sample preparation, multiplexed isobaric labeling, and nanoflow peptide fractionation for deep proteome profiling of tissue microenvironment

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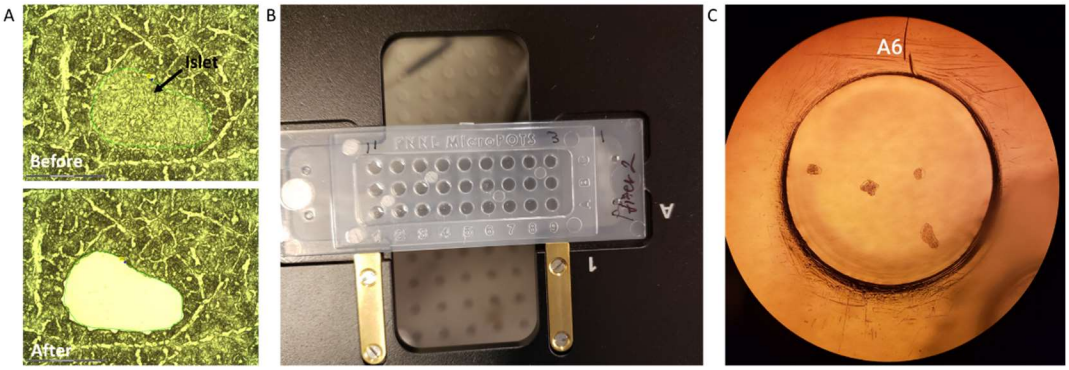
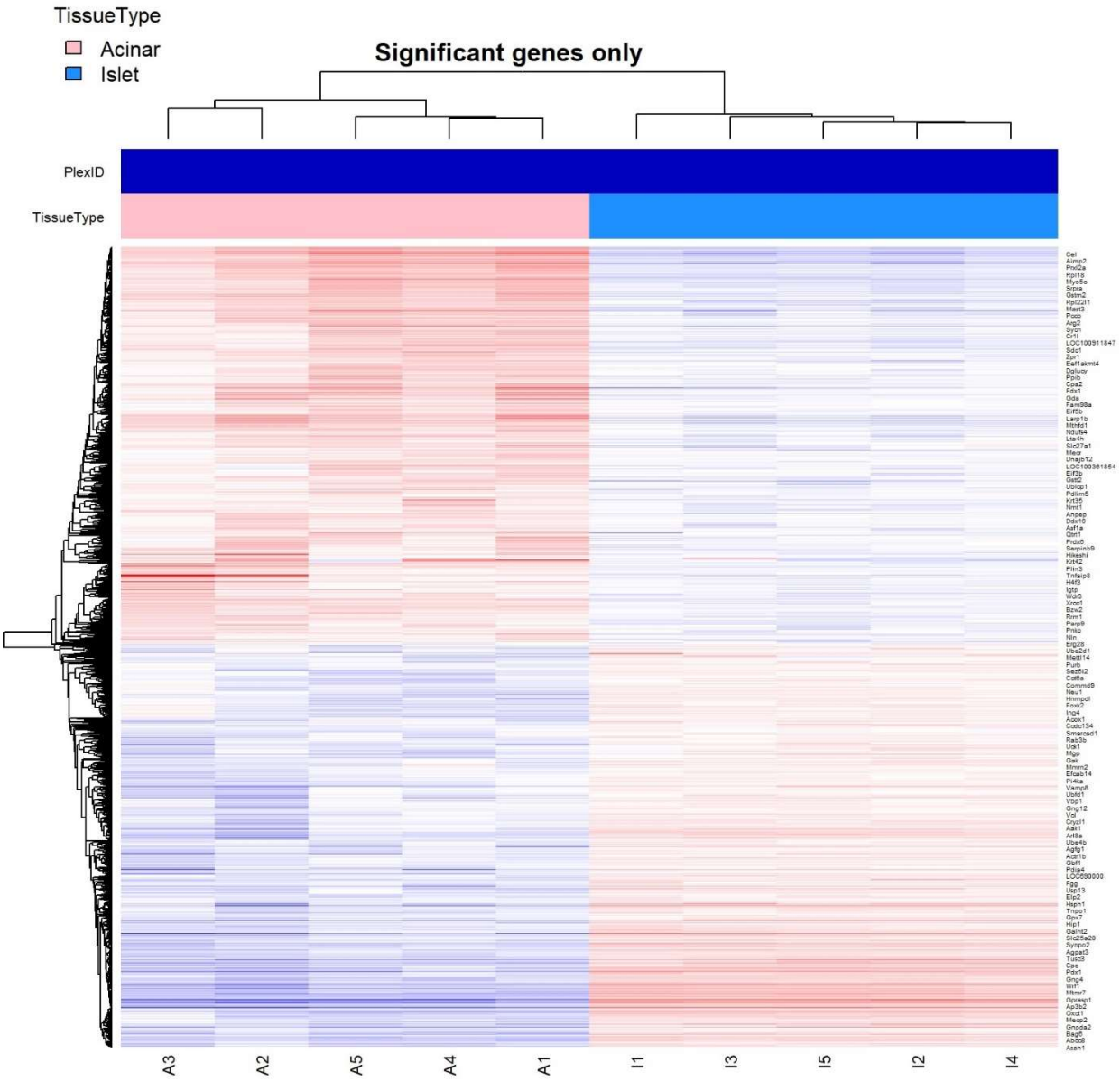


Supporting figure 1. Images of the dissection and collection of pancreas tissue voxels into the microPOTS chip. A) Islet region before and after laser-microdissection B) Microchip with collected pancreas tissue samples. Microwells were preloaded with DMSO that served as a capturing medium. C) Islet tissue voxels collected into microwell A6, observed under the Zeiss LCM microscope.



Supporting Figure 2: The heat map visualization of distinct cluster of all significant genes, indicating different biological functions of the two tissue types (islet and acinar).