# nature cell biology

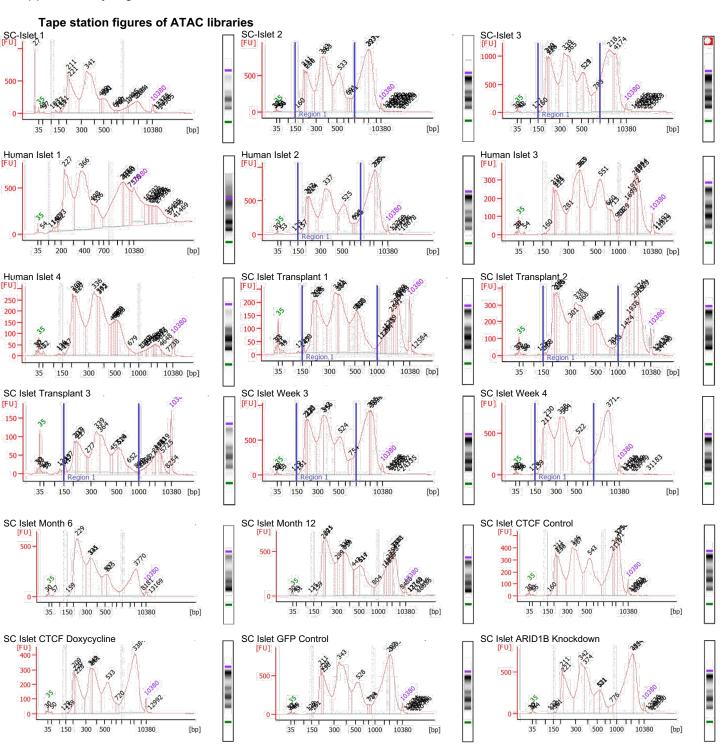


Resource

https://doi.org/10.1038/s41556-023-01150-8

# Single-nucleus multi-omics of human stem cell-derived islets identifies deficiencies in lineage specification

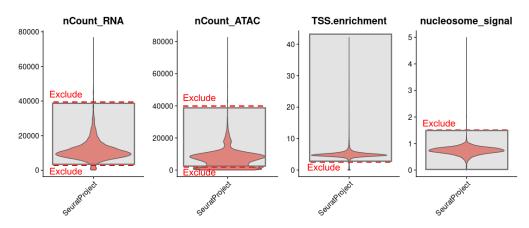
In the format provided by the authors and unedited



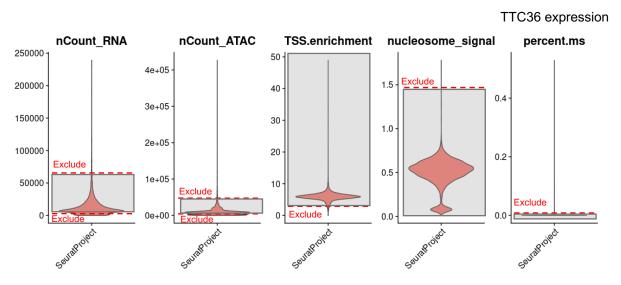
Supplementary Figure 1. Tape station figures of single nuclei ATAC libraries for all multiome samples.

## Cell exclusion strategy for single-cell multiome analysis

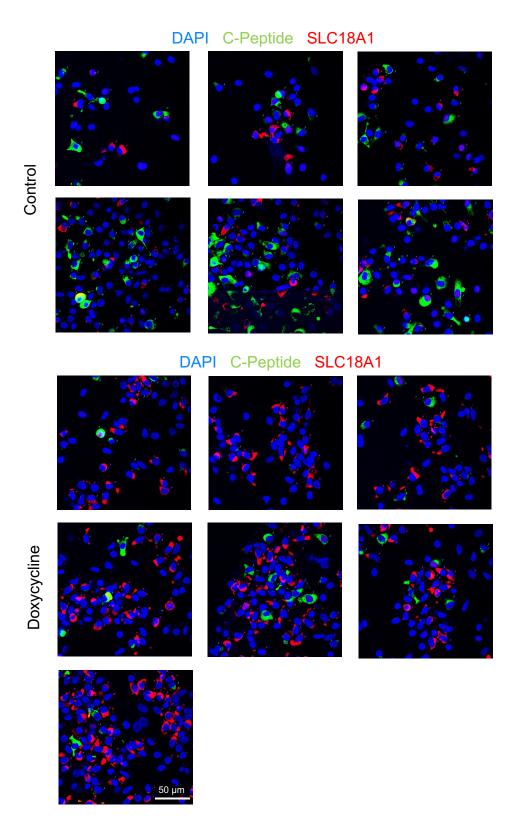
### SC-Islet and human islet



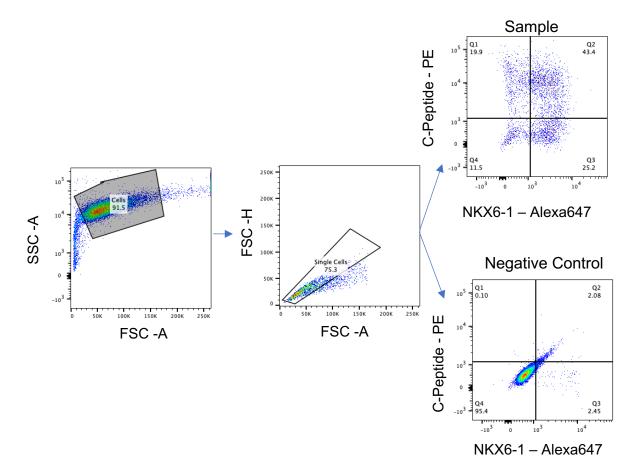
### Transplanted SC-islet



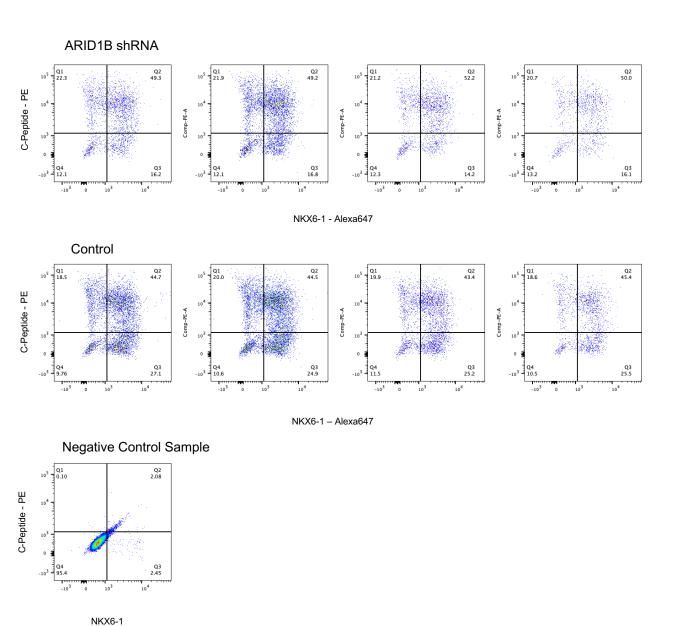
Supplementary Figure 2. Cell exclusion strategy to remove low quality cells for the single-nuclei multiome analysis. Ranges outside the shaded regions were excluded.



Supplementary Figure 3. Immunofluorescent images showing  $\beta$ -cell marker C-peptide and EC-cell marker SLC18A1 stains from individual samples used to quantify  $\beta$ -cell and EC-cell composition.



Supplementary Figure 4. Gating strategy used for flow cytometry analysis.



Supplementary Figure 5. Individual flow cytometry graphs showing stem-cell derived  $\beta$ -cell makers NKX6-1 and C-Peptide from differentiated SC-islets with and without ARID1B knockdown.