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Supplemental Information

Single-Cell Analysis of Human Pancreas

Reveals Transcriptional Signatures

of Aging and Somatic Mutation Patterns

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**Supplementary Data Table 1 – Summary of donors
(Related to Figure 1)**

Donor	Age	Sex	Race	Cause of death	BMI
	1 month old		African American		
DID_scRSq01		Male	American	Anoxia	13.71
DID_scRSq02	5	Male	Caucasian	Auto accident	17.6
DID_scRSq03	6	Male	not provided	Head trauma	(29 kg)
DID_scRSq04	21	Male	Caucasian	Anoxia	28.4
DID_scRSq05	22	Male	Asian	Head trauma	24.8
DID_scRSq06	38	Female	Caucasian African	Stroke	29.5
DID_scRSq07	44	Female	American	Stroke	23.8
DID_scRSq08	54	Male	Caucasian	Anoxia	27.29

**Supplementary Data Table 2 – Summary of gene expression effects
(Related to Figure 1)**

Association	Number of genes with FDR<1E-3
<i>Organismal Age</i>	5
<i>Transcriptional Noise</i>	2261
<i>Signature S1</i>	1595
<i>Signature S2</i>	45
<i>Signature S3</i>	4

**Supplementary Data Table 8 – Detection probes for *in situ* RNA staining
(Related to STAR Methods)**

PROBE NAME	SOURCE	IDENTIFIER
DO_1_FITC: AGUCGGAAGUACTACTCUCT_FITC	This paper	N/A
DO_1_Cy3: CCUCAATGCUGCTGCTGUAC_Cy3	This paper	N/A
DO_1_Cy5: TGUGTCTATUTAGTGGAUCC_Cy5	This paper	N/A
DO_2_FITC: CGUGCGCCUGGTAGCAAUTA_FITC	This paper	N/A
DO_2_Cy3: AGUAGCCGUGACTATCGUCT_Cy3	This paper	N/A
DO_2_Cy5: TCUACGATUTTACCAGTUGC_Cy5	This paper	N/A
DO_3_FITC: CCUAGATGTUCCGCTATUGT_FITC	This paper	N/A
DO_3_Cy3: GCUCCACTGUTACTAGAUTG_Cy3	This paper	N/A
DO_3_Cy5: CTUGTGCTGUATGATCGUCC_Cy5	This paper	N/A