

ESM Table 2 Characteristics of type 2 diabetic donors used for flow cytometry (20-34) and perfusion (20 -36)

Patient Number	Gender	Age	BMI	GSIS ^a (First/second)	Number of CD45 ⁺ cells/1000 IEQ	Medical history ^b
20	F	38	37.8	2.15 (Fig. 1aG)	ND	DM x 2 yr, A _{1C} 5.6% (37.7 mmol/mol) ^c , on Metformin
21	F	56	28.9	ND	ND	DM x 4 yr, on oral medication
22	F	54	52.7	1.45 (Fig. 1aK)	ND	Untreated DM
23	M	43	27	1.33 (Fig. 1aQ)	ND	DM x 2 yr, A _{1C} 11% (96.7 mmol/mol), not on insulin
24	F	54	30	1.40 (Fig. 1aL)	2 x10 ⁵	DM 6 to 10 yr, A _{1C} 6.6% (48.6 mmol/mol)
25	M	44	33.5	1.36 (Fig. 1aM)	0.5 x10 ⁵	DM x 6 yr, A _{1C} 9.3% (78.1 mmol/mol), on metformin
26	M	56	35.1	1.00 (Fig. 1aP)	0.2 x10 ⁵	DM x 5 yr
27 ^d	F	55	24	1.20 (Fig. 1aN)	0.5 x10 ⁵	A _{1C} 6.4% (46.4 mmol/mol)
28 ^e	M	49	28.2	2.14	2.1 x10 ⁵	A _{1C} 6.7% (49.7 mmol/mol)
29	F	54	48.5	2.24	0.22 x10 ⁵	DM x 6 to10 yr on insulin
30	M	55	28	1.95 (Fig. 1aH)	1.3 x10 ⁵	DM x 12 yr, diet controlled after gastric bypass 8 yr ago
31	M	58	48.9	1.77 (Fig. 1aJ)	1.1 x10 ⁵	DM less than 5 yr
32	F	43	33	2.2 (Fig. 1aF)	1.1 x10 ⁵	DM < 5 yr on insulin
33	F	54	37.3	1.19	ND	A _{1C} 6.6% (48.6 mmol/mol)
34 ^d	F	37	38.4	ND	ND	A _{1C} 6.2% (44.3 mmol/mol)
35	M	53	30.9	1.94 (Fig. 1aI)	ND	DM < 1 yr on insulin
36	M	48	28.6	1.35 (Fig. 1aO)	ND	A _{1C} 13.3% (122 mmol/mol)

ND; not done.

^aFirst/second peak of glucose stimulated insulin secretion (GSIS).

^bDM; diabetes, yr; year, A_{1C}; hemoglobin A_{1C}. Duration of diabetes based on medical history may not include period of undiagnosed disease that varies depending on frequency of medical visit in an individual donor. A_{1C} is taken after a terminal event and interfering factors such as transfusion cannot be ruled out.

^cA_{1C} values in International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) units (mmol/mol) are provided in parentheses.

^dPrediabetes. These data are excluded from the statistical comparisons between non-DM and T2DM groups in Fig. 1b-c, f, Fig. 2a-f, and Fig. 3a-d.

^ePresumptive postmortem diagnosis of type 2 diabetes.