Supplemental Table 1: Donor characteristics

Unique identifier	936	939	942	945	949	951	958	959	962	970	980	987	988	989	990	993	1001	1003	1006	1008	1009	1013
Donor age (years)	39	52	50	53	39	65	24	38	31	25	36	37	62	55	57	45	46	63	47	63	53	35
Donor sex (M/F)	M	F	F	M	M	M	M	M	M	M	M	M	M	F	M	F	F	F	M	M	F	M
Donor BMI (kg/m²)	26.4	25.6	21.5	21.8	29.2	24.1	24.6	30.8	39.1	25.3	36.6	30.1	27.5	34.8	23.0	23.1	42.9	27.6	30.9	25.6	33.3	27.4
Donor HbA1c or other measure of blood glucose control	5.7	5.3	4.9	5.5	5.6	5.3	5.0	5.5	5.3	5.3	5.3	5.3	6.0	5.2	5.7	5.3	5.6	4.6	6.3	5.9	6.0	5.4
Origin/source of islets	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP
Islet isolation centre	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC
Donor history of diabetes? Yes/No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
If Yes, complete the next two lines if this information is available																						
Diabetes duration (years)		10																				
Glucose-lowering therapy at time of death		N/A																				
Donor cause of death	Head Trauma	CVA	CVA	Head Trauma	Head Trauma	CVA	Head Trauma	Head Trauma	CVA/ Stroke	Anoxia	Stroke	Head Trauma	CVA	CVA/ Stroke	Head Trauma	CVA/ Stroke	CVA /ICH	CVA/ Stroke	Anoxia	CVA/ Stroke	CVA /ICH	CVA
Warm ischaemia time (h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.22	0.23	N/A	N/A	N/A	N/A	N/A
Cold ischaemia time (h)	6	7	12	6	5	7	8	6	6	5	6	7	4	5	4	6	7	5	7	6	5	8
Estimated purity (%)	78	85	80	90	83	80		45	70	78	95	68	65	88	80	82	80	84	85	70	50	85
Estimated viability (%, manual assessment)	N/A	100	99	100	92	91	86	78	85	97	96	97	100	97	96	80	66	92	95	91	66	98
Total culture time (h)	72	96	96	48	48	120	96	48	48	96	144	24	24	96	1	96	72	0	24	24	0	24
Glucose-stimulated insulin secretion (Stimulation Index)	6.6	1.9	N/A	1.5	1.2	3.1	2.0	4.9	1.5	6.9	3.1	1.3	2.2	3.5	1.6	2.3	1.9	1.2	2.6	1.2	1.4	1.3
Handpicked to purity? Yes/No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

Unique identifier	1017	1021	1023	1024	1025	1027	1028	1041	1048	1049	1050	1053	1054	1055	1062	1063	1064	1065	1070	1074	1076	1079
Donor age (years)	46	46	50	48	33	52	59	48	53	43	35	64	35	56	46	38	20	50	57	61	35	61
Donor sex (M/F)	F	M	F	F	M	F	M	F	M	M	F	M	M	M	M	M	M	M	M	M	M	F
Donor BMI (kg/m²)	30.1	21.4	21.6	31.0	29.8	29.1	30.8	34.4	29.0	28.2	28.7	32.2	22.8	47.7	33.2	25.2	63.1	39.1	28.6	27.0	24.4	26.9
Donor HbA1c or other measure of blood glucose control	5.6	5.8	5.5	5.5	5.2	5.3	5.4	5.7	5.5	5.6	4.9	5.7	5.6	5.2	5.5	5.4	6.1	5.7	5.0	5.6	5.4	5.7
Origin/source of islets	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP
Islet isolation centre	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC
Donor history of diabetes? Yes/No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
If Yes, complete the next two lines if this information is available																						
Diabetes duration (years)																						
Glucose-lowering therapy at time of death																						
Donor cause of death	CVA /ICH	Head Trauma	CVA /ICH	CVA /ICH	CVA	CVA	CVA	CVA	CVA /ICH	Head Trauma	CVA	CVA	Anoxia	Anoxia	Head Trauma	CVA /ICH	Head Trauma	Anoxia	CVA /ICH	Head Trauma	CVA	Anoxia
Warm ischaemia time (h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.35	N/A	N/A	N/A	N/A	0.2	N/A	N/A	N/A	N/A	0.14	N/A	N/A	N/A
Cold ischaemia time (h)	9	5	7	5	9	6	5	3	6	6	8	5	5	5	4	7	7	7	6	9	8	9
Estimated purity (%)	70	77	78	80	68	80	85	78	80	75	80	83	80	70	85	83	63	88	78	78	85	83
Estimated viability (%, manual assessment)	87	84	98	97	96	99	96	95	98	97	95	100	100	95	99	99	97	99	97	99	97	99
Total culture time (h)	24	48	24	24	72	48	24	120	48	24	72	24	48	120	96	24	24	96	24	72	72	48
Glucose-stimulated insulin secretion (Stimulation Index)	2.7	1.6	1.6	1.5	2.4	1.7	1.2	2.7	1.3	1.7	1.8	2.1	1.2	1.6	1.9	2.7	2.2	1.2	0.7	1.6	1.4	1.8
Handpicked to purity? Yes/No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

Unique identifier	1081	1082	1093	1095	1096	1097	1098	1103	1106	1107	1108	1113	1115	1119	1120	1121	1122
Donor age (years)	46	33	59	64	53	25	34	49	56	45	30	38	51	23	47	25	29
Donor sex (M/F)	M	M	M	M	F	M	M	M	M	M	M	M	M	M	F	M	M
Donor BMI (kg/m²)	34.4	30.3	27.2	34.6	27.7	24.3	33.1	34.0	33.1	26.5	23.3	23.8	30.0	26.6	22.4	32.2	25.0
Donor HbA1c or other measure of blood glucose control	5.6	4.9	5.1	5.8	5.5	4.1	4.8	6.1	5.6	4.6	5.0	5.1	5.7	6.1	5.5	5.6	5.0
Origin/source of islets	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP	IIDP
Islet isolation centre	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC	SC-ICRC
Donor history of diabetes? Yes/No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
If Yes, complete the next two lines if this information is available																	
Diabetes duration (years)																	
Glucose-lowering therapy at time of death																	
Donor cause of death	Head Trauma	CVA	CVA /ICH	Head Trauma	ICH	Head Trauma	Head Trauma	CVA	Head Trauma	CVA /ICH	Head Trauma	CVA /ICH	CVA /ICH	Head Trauma	CVA /ICH	Head Trauma	Head Trauma
Warm ischaemia time (h)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.5
Cold ischaemia time (h)	9	8	9	7	10	6	4	8	9	7	7	7	9	6	6	6	6
Estimated purity (%)	75	93	93	80	80	75	70	78	78	80	70	83	65	73	78	63	70
Estimated viability (%, manual assessment)	100	99	67	99	95	83	98	95	95	98	89	89	81	94	96	92	98
Total culture time (h)	48	48	72	96	24	72	72	24	120	96	72	24	72	0	24	72	48
Glucose-stimulated insulin secretion (Stimulation Index)	2.6	2.7	2.4	1.5	2.6	2.4	2.2	2.3	3.5	3.2	0.8	3.9	4.9	0.9	1.6	4.0	1.9
Handpicked to purity? Yes/No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

Abbreviations
IIDP: The Integrated Islet Distribution Program
SC-ICRC: Southern California Islet Cell Resource Center
CVA: Cerebrovascular attack
ICH: Ischemia heart disease