

**Electronic supplementary material****ESM Table 1** Characteristics of non-diabetic subjects

<b>ID</b>	<b>Sex</b>	<b>Age (years)</b>	<b>BMI (kg/m<sup>2</sup>)</b>	<b>Cause of death</b>	<b>Blood glucose &lt;6 mmol/l<sup>a</sup></b>	<b>Beta cell mass (mg)</b>	<b>Alpha cell mass (mg)</b>
<b>ND 1</b>	M	39	22.7	Cirrhosis + pneumonia	Hosp	1,269	760
<b>ND 2</b>	F	41	24.2	Stroke	Hosp	885	313
<b>ND 3</b>	F	42	27.9	Gastrointestinal haemorrhage	Hosp	1,399	437
<b>ND 4</b>	F	44	18.0	Hypocalcaemia	Hosp	769	294
<b>ND 5</b>	M	45	23.8	Polytrauma	Hosp	1,361	593
<b>ND 6</b>	M	46	21.6	Throat carcinoma + postoperative cardiac arrest	Hosp	924	254
<b>ND 7</b>	F	49	22.9	Leukaemia + respiratory distress syndrome	Hosp	908	425
<b>ND 8</b>	F	50	24.8	Neurodegenerative disease	Hosp	784	191
<b>ND 9</b>	M	50	30.4	Cirrhosis	Hosp	1,349	954
<b>ND 10</b>	M	51	22.4	Myocardial infarction	Hosp	549	179
<b>ND 11</b>	M	53	28.4	Stroke	Out	967	411
<b>ND 12</b>	M	54	29.8	Myeloma	Out	890	282
<b>ND 13</b>	M	57	20.6	Myocardial infarction	Out	549	180
<b>ND 14</b>	M	59	20.4	Pulmonary thromboembolism	Hosp	1,173	518
<b>ND 15</b>	F	60	20.5	Ventricular fibrillation	Hosp	764	281
<b>ND 16</b>	M	60	23.7	Myeloma	Hosp	519	166
<b>ND 17</b>	M	61	19.8	Lymphoma	Hosp	777	422
<b>ND 18</b>	F	61	25.4	Sepsis	Hosp	1,107	665
<b>ND 19</b>	M	63	24.5	Congestive heart failure	Out	744	324
<b>ND 20</b>	M	63	24.8	Myeloma	Hosp	760	288
<b>ND 21</b>	M	63	26.4	Lung carcinoma	Hosp	813	330
<b>ND 22</b>	M	63	31.2	Leukaemia + congestive heart failure	Hosp	633	213
<b>ND 23</b>	M	63	39.4	Post-surgical cardiac arrest	Hosp	1,006	438

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<b>ND 24</b>	M	64	27.9	Myocardial infarction	Hosp	451	253
<b>ND 25</b>	M	65	24.3	Pharynx carcinoma + postoperative complications	Hosp	1,266	907
<b>ND 26</b>	F	66	29.9	Congestive heart failure	Hosp	752	225
<b>ND 27</b>	F	68	23.6	Sepsis + shock	Hosp	1,298	305
<b>ND 28</b>	M	68	26.9	Cerebral lymphoma + sepsis	Hosp	1,197	304
<b>ND 29</b>	M	68	28.8	Myocardial infarction	Hosp	1,411	533
<b>ND 30</b>	M	69	30.8	Dissection of aorta	Hosp	1,220	534
<b>ND 31</b>	M	69	31.3	Myocardial infarction	Out	983	500
<b>ND 32</b>	M	69	38.3	Post-surgical multisystem failure	Hosp	1,351	503
<b>ND 33</b>	M	71	28.0	Myocardial infarction	Out	563	303
<b>ND 34</b>	M	72	26.4	Ventricular fibrillation	Hosp	824	337
<b>ND 35</b>	M	72	27.0	Stroke	Out	1,508	372
<b>ND 36</b>	M	72	31.1	Respiratory distress syndrome	Hosp	1,030	274
<b>ND 37</b>	M	73	21.0	Lung carcinoma	Hosp	277	134
<b>ND 38</b>	F	73	21.8	Pneumonia	Hosp	541	147
<b>ND 39</b>	M	74	27.0	Aortic valve stenosis	Hosp	852	289
<b>ND 40</b>	F	74	32.9	Breast cancer + myocardial infarction	Hosp	731	183
<b>ND 41</b>	F	75	24.2	Stroke	Out	856	415
<b>ND 42</b>	F	77	16.6	Hip fracture + pneumonia	Hosp	461	139
<b>ND 43</b>	M	77	26.0	Larynx carcinoma	Hosp	977	211
<b>ND 44</b>	F	79	35.4	Myocardial infarction + ventricular fibrillation	Hosp	1,126	352
<b>ND 45</b>	M	80	20.5	Stroke	Out	582	156
<b>ND 46</b>	M	81	27.6	Bronchopneumonia	Out	726	394
<b>ND 47</b>	M	82	28.7	Myocardial infarction	Out	685	212
<b>ND 48</b>	F	84	18.2	Bronchopneumopathy	Out	1,097	333

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<b>ND 49</b>	F	85	22.0	Stroke	Hosp	719	271
<b>ND 50</b>	F	86	20.8	Congestive heart failure	Hosp	237	100
<b>ND 51</b>	M	87	29.1	Stroke	Out	733	227
<b>ND 52</b>	M	91	22.7	Pulmonary embolism	Out	835	217

<sup>a</sup>Blood glucose measured below 6 mmol/l during a recent outpatient visit (Out) or hospitalisation (Hosp)

F, female; M, male