

### Supplementary Table 7: Characteristics of the T2D case control groups.

Characteristics of the seven T2D case-controls groups used in the paper. The table includes the number of males and females, mean age, mean BMI and mean age of diagnosis (Aod) for the T2D cases and the controls separately. As information on BMI and age of diagnosis is not available for all study participants, the number of individuals for whom this information is available is included in parenthesis. Note that no information is available on BMI for the controls from the Netherlands, and information on age of diagnosis is not available for the T2D cases from Denmark A, Philadelphia and from West-Africa.

Study population	Males/Females	Mean Age $\pm$ SD	Mean BMI $\pm$ SD ( <i>n</i> ) <sup>a</sup>	Mean Aod $\pm$ SD ( <i>n</i> ) <sup>a</sup>
<b>Iceland</b>				
T2D	832/567	64.4 $\pm$ 12.8	29.8 $\pm$ 5.4 (1231)	56.2 $\pm$ 12.3 (688)
Controls	2743/2532	58.3 $\pm$ 17.4	27.1 $\pm$ 4.9 (1751)	
<b>Denmark A</b>				
T2D	0/263	65.5 $\pm$ 7.0	28.3 $\pm$ 4.1 (263)	na
Controls	0/597	64.4 $\pm$ 8.5	25.2 $\pm$ 3.7 (596)	
<b>Denmark B</b>				
T2D	821/538	56.8 $\pm$ 10.5	29.7 $\pm$ 5.3 (1343)	52.1 $\pm$ 10.3 (1013)
Controls	2249/2576	46.4 $\pm$ 8.8	25.5 $\pm$ 4.1 (4824)	
<b>Philadelphia</b>				
T2D	288/159	64.3 $\pm$ 10.7	30.3 $\pm$ 5.8 (380)	na
Controls	629/321	61.7 $\pm$ 12.2	28.1 $\pm$ 4.8 (861)	
<b>The Netherlands</b>				
T2D	169/199	71.2 $\pm$ 9.9	27.8 $\pm$ 4.2 (363)	63.2 $\pm$ 11.5 (356)
Controls <sup>b</sup>	553/353	47.7 $\pm$ 12.7	na	
<b>Hong Kong</b>				
T2D	588/869	49.8 $\pm$ 13.7	25.1 $\pm$ 4.1 (1451)	43.8 $\pm$ 13.7 (1443)
Controls	418/568	32.0 $\pm$ 14.3	21.8 $\pm$ 3.5 (979)	
<b>West Africa</b>				
T2D	345/520	53.5 $\pm$ 10.6	26.6 $\pm$ 5.5 (862)	na
Controls	471/635	42.4 $\pm$ 15.5	25.2 $\pm$ 5.9 (1091)	

<sup>a</sup> The number in parenthesis (*n*) indicates the number of individuals for which information on BMI or age of diagnosis is available. <sup>b</sup> Information on gender is missing for 9 of the controls from the Netherlands.