

Supplementary Table S2. The classification (diabetes subtypes) and clinical characteristics of participants with MODY mutations.

	Type 1 Diabetes	Type 2 Diabetes	Non-diabetes
Number of subjects	1 (0.9%)	48 (47.5%)	52 (51.5%)
Age	26	50.0±14.2	40.9±11.4
Age <30	1 (0.9%)	6 (5.9%)	12 (11.9%)
Age ≥ 30		42 (41.6%)	40 (39.6%)
Gender			
Male	1 (0.9%)	27* (26.7%)	18 (17.8%)
Female	-	21* (20.8%)	34 (30.7%)
BMI**			
Underweight	-	-	-
Normal weight	-	3* (2.9%)	14 (13.9%)
Overweight	-	15* (14.8%)	22 (21.8%)
Obese	1 (0.9%)	30* (29.7%)	16 (15.8%)
HbA1c (%)	9.1	6.75±1.77*	5.38±0.45
C-peptide (ng/ml)	<0.08	2.6±1.19*	2.22±0.83
Genes†			
<i>HNF4A</i>	-	5 (4.9%)	1 (0.9%)
<i>GCK</i>	1 (0.9%)	5 (4.9%)	5 (4.9%)
<i>HNF1A</i>	-	11 (10.9%)	28 (27.7%)
<i>PDX1</i>	-	3 (2.9%)	3 (2.9%)
<i>HNF1B</i>	-	2 (1.9%)	1 (0.9%)
<i>NEUROD1</i>	-	1 (0.9%)	-
<i>KLF11</i>	-	3 (2.9%)	1 (0.9%)
<i>CEL</i>	-	4 (3.9%)	-
<i>PAX4</i>	-	-	-
<i>INS</i>	-	-	-
<i>BLK</i>	-	1 (0.9%)	10 (9.9%)
<i>ABCC8</i>	-	3 (2.9%)	3 (2.9%)
<i>KCNJ11</i>	-	2 (1.9%)	-
<i>APPL1</i>	-	1 (0.9%)	-
<i>RFX6</i>	-	3 (2.9%)	-
<i>NKX6-1</i>	-	4 (3.9%)	-

MODY participants comprised 101 subjects. Percentages shown in brackets are calculated from total number of MODY subjects (n=101). *Statistically significant ($P < 0.001$) compared to non-diabetes controls. BMI: body mass index. **Subjects with BMI below 18.5 kg/m² were classified as underweight, between 18.5 to 24.9 kg/m² as normal weight, between 25 to 29.9 kg/m² as overweight, and greater than or equal to 30 kg/m² as obese. †No. of subjects carrying MODY-gene mutation.