Supplementary materials for the manuscript entitled "Serum Mac-2 binding protein glycosylation isomer concentrations are associated with incidence of type 2 diabetes."

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Supplementary table 1. Correlations between serum Mac-2 binding protein glycosylation isomer concentrations and other variables.

Variable	Unadjusted		Adjusted for age and sex		Adjusted for age, sex, and BMI	
	Spearman's rank correlation coefficient	p	Spearman's rank correlation coefficient	p	Spearman's rank correlation coefficient	p
Age	0.36	<0.01	-	-	-	-
Male sex	0.19	<0.01	-	-	-	-
Family history of diabetes	0.004	0.86	0.02	0.34	0.01	0.53
Hypertension	0.17	<0.01	0.09	<0.01	0.05	0.02
Fasting plasma glucose	0.02	0.25	0.06	0.01	0.004	0.84
HOMA-IR [a]	0.26	<0.01	0.30	<0.01	0.23	<0.01
Serum total cholesterol	0.07	0.01	0.001	0.98	-0.03	0.20
Serum HDL cholesterol	-0.20	<0.01	-0.27	<0.01	-0.22	<0.01
Serum triglycerides	0.13	<0.01	0.17	<0.01	0.12	<0.01
Serum LDL cholesterol [b]	0.14	<0.01	0.07	0.01	0.03	0.14
Use of lipid-modifying agents	0.05	0.02	-0.02	0.20	-0.05	0.02
BMI	0.18	<0.01	0.21	<0.01	-	-
Serum AST	0.23	<0.01	0.20	<0.01	0.20	<0.01
Serum ALT	0.14	<0.01	0.23	<0.01	0.18	<0.01
Serum GGT	-0.02	0.33	0.10	<0.01	0.05	0.02
Serum AST/ALT ratio	-0.03	0.14	-0.18	<0.01	-0.11	<0.01
Serum hs-CRP	0.26	<0.01	0.24	<0.01	0.18	<0.01
HBsAg- or HCV Ab-positive [c]	0.13	<0.01	0.12	<0.01	0.15	<0.01
Current smoking	-0.16	<0.01	-0.03	0.25	-0.01	0.71
Current drinking	-0.24	<0.01	-0.13	<0.01	-0.13	<0.01
Regular exercise	0.006	0.77	-0.02	0.32	-0.02	0.28

| Number of health examinations received during follow-up | 0.04 | 0.09 | -0.05 | 0.02 | -0.06 | <0.01 |

Abbreviations: ALT, alanine aminotransferase; AST, aspartate aminotransferase; BMI, body mass index; COI, cut-off index; GGT, γ-glutamyl transferase; HBsAg, hepatitis B surface antigen; HCV Ab, hepatitis C antibody; HOMA-IR, homeostasis model assessment-insulin resistance; hs-CRP, high-sensitivity C-reactive protein; LDL, low-density lipoprotein; M2BPGi, Mac-2 binding protein glycosylation isomer.

a) Participants with missing data of serum insulin levels (n=23) were excluded from the analysis.

b) LDL-cholesterol was calculated by the Friedewald equation. Participants with serum triglycerides > 4.5 mmol/L (n=24) were excluded from the analysis.

c) One participant with missing data for the HBsAg and HCV Ab test was excluded from the analysis.