Supplemental material 2B. Multivariate analysis evaluating the association between HOMA-%β and various clinical parameters including HbA1c in all subjects

Model 1	All subjects			< 65 years old			≥ 65 years old		
Clinical Parameter	β	t	*p*	β	t	*p*	β	t	*p*
Age	-0.106	-2.03	0.043	-0.094	-1.39	n.s.	-0.003	-0.04	n.s.
Gender	-0.001	-0.01	n.s.	0.030	-0.47	n.s.	0.041	0.56	n.s.
BMI	0.273	5.28	<0.0001	0.244	3.61	0.001	0.283	3.83	0.0002
HbA1c	-0.349	-7.25	<0.0001	-0.390	-6.18	<0.0001	-0.264	-3.61	0.0004
Model 2	All subjects			< 65 years old			≥ 65 years old		
Clinical Parameter	β	t	*p*	β	t	*p*	β	t	*p*
BMI	0.198	3.66	0.0003	0.170	2.35	0.020	0.211	2.58	0.011
HbA1c	-0.346	-6.52	<0.0001	-0.394	-5.57	<0.000	-0.266	-3.25	0.002
Duration of diabetes	-0.232	-4.28	<0.0001	-0.171	-2.37	0.019	-0.277	-3.38	0.001
Model 3	All subjects			< 65 years old			≥ 65 years old		
Clinical Parameter	β	t	*p*	β	t	*p*	β	t	*p*
Age	0.037	0.57	n.s.	0.089	1.10	n.s.	0.090	1.07	n.s.
Gender	-0.008	-0.15	n.s.	-0.043	-0.59	n.s.	0.037	0.45	n.s.
BMI	0.211	3.60	0.0004	0.205	2.64	0.009	0.214	2.60	0.011
HbA1c	-0.339	-6.17	<0.0001	-0.385	-5.26	<0.0001	-0.268	-3.26	0.002
Duration of diabetes	-0.245	-4.15	<0.0001	-0.196	-2.58	0.011	-0.296	-3.53	0.001
Model 4	All subjects			< 65 years old			≥ 65 years old		
Clinical Parameter	β	t	*p*	β	t	*p*	β	t	*p*
Age	0.001	0.02	n.s.	0.067	0.80	n.s.	0.073	0.88	n.s.
Gender	-0.015	-0.28	n.s.	-0.059	-0.79	n.s.	0.050	0.61	n.s.
BMI	0.169	2.73	0.007	0.168	2.06	0.041	0.160	1.82	n.s.
HbA1c	-0.335	-6.06	<0.0001	-0.393	-5.32	<0.0001	-0.241	-2.93	0.004
Duration of diabetes	-0.250	-4.27	<0.0001	-0.201	-2.64	0.009	-0.317	-3.80	0.0002
Hypertension	-0.100	-1.74	n.s.	-0.059	-0.79	n.s.	-0.184	-2.13	0.035
Dyslipidemia	-0.067	-1.20	n.s.	-0.093	-1.26	n.s.	-0.0236	-0.27	n.s.

Abbreviations: BMI, body mass index; GA, glycoalbumin; n.s. not significant.