SUPPLEMENTARY DATA

Zinc-associated variant in *SLC30A8* gene interacts with gestational weight gain on postpartum glycemic changes: a longitudinal study in women with prior gestational diabetes

Supplementary Table 1. Changes in glycemic traits associated with each additional copy of the *SLC30A8* rs13266634 C allele by gestational weight gain defined according to the Chinese maternal prepregnancy BMI classification and the 2009 Institute of Medicine guideline ……...……..… 2

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Supplementary Table 1. Changes in glycemic traits associated with each additional copy of the *SLC30A8* rs13266634 C allele by gestational weight gain defined according to the Chinese maternal prepregnancy BMI classification and the 2009 Institute of Medicine guideline

	Inadequate		Adequate		Excessive		
Changes in glycemic traits	β (SE)	P	β (SE)	P	β (SE)	P	P for interaction
Fasting glucose, mmol/L							
Age-adjusted	-0.19 (0.16)	0.25	-0.13 (0.07)	0.08	0.11 (0.06)	0.07	0.007
Multivariable-adjusted*	-0.17 (0.16)	0.30	-0.07 (0.06)	0.22	0.12 (0.05)	0.01	0.002
+ Zinc intake	-0.17 (0.16)	0.31	-0.08 (0.06)	0.18	0.12 (0.05)	0.01	0.002
2-h glucose, mmol/L							
Age-adjusted	-0.95 (0.33)	0.01	0.01 (0.19)	0.98	0.05 (0.13)	0.69	0.016
Multivariable-adjusted*	-0.74 (0.32)	0.02	-0.05 (0.17)	0.78	0.11 (0.11)	0.36	0.005
+ Zinc intake	-0.74 (0.32)	0.02	-0.07 (0.17)	0.69	0.11 (0.11)	0.36	0.004
Hemoglobin A1c, %							
Age-adjusted	-0.32 (0.13)	0.01	-0.13 (0.06)	0.04	0.08 (0.05)	0.13	0.001
Multivariable-adjusted*	-0.24 (0.12)	0.05	-0.10 (0.05)	0.03	0.06 (0.04)	0.19	0.003
+ Zinc intake	-0.24 (0.12)	0.05	-0.10 (0.05)	0.03	0.05 (0.04)	0.26	0.004

β values (SEs) are changes in each glycemic trait per additional copy of the C allele across the categories of gestational weight gain. The numbers of participants within each category were: 134 with inadequate gestational weight gain, 338 with adequate gestational weight gain, and 599 with excessive gestational weight gain.

*Results were adjusted for age, follow-up time, prepregnant BMI, total energy intake, sitting time, postpartum weight change, and the previous value for the respective glucose trait (continuous variables for above variables); and family history of diabetes, current smoking, current alcohol drinking, leisure time physical activity, and GDM therapy (categorical variables for above variables).