

Supplementary Table 1. Relative change in mean neonatal levels of cytokines, adipokines and other proteins involved in the immune response with 95% confidence linked with every doubling in neonatal whole blood zinc content — results from models with correction for multiple testing.

Outcome	Variable	Univariate Model	<i>p</i>-Value	Multivariate Model	<i>p</i>-Value
IL-1 β	WB-Zinc content	1.00 (0.85; 1.18)	1.00	0.97 (0.82; 1.15)	1.00
IL-4	WB-Zinc content	0.99 (0.89; 1.09)	1.00	0.97 (0.87; 1.08)	1.00
IL-6	WB-Zinc content	1.08 (0.94; 1.25)	0.69	1.07 (0.92; 1.25)	0.93
IL-8	WB-Zinc content	0.98 (0.90; 1.07)	1.00	1.02 (0.94; 1.10)	1.00
IL-10	WB-Zinc content	0.98 (0.76; 1.26)	1.00	1.01 (0.79; 1.29)	1.00
IL-12	WB-Zinc content	1.08 (0.94; 1.25)	0.76	1.03 (0.89; 1.17)	1.00
IFN- γ	WB-Zinc content	1.02 (0.89; 1.16)	1.00	1.02 (0.88; 1.17)	1.00
TNF- α	WB-Zinc content	1.07 (0.94; 1.21)	0.86	1.01 (0.89; 1.14)	1.00
TGF- β	WB-Zinc content	1.05 (0.94; 1.18)	0.92	1.01 (0.90; 1.13)	1.00
Adiponectin	WB-Zinc content	1.02 (0.93; 1.13)	1.00	0.99 (0.91; 1.09)	1.00
Leptin	WB-Zinc content	0.97 (0.87; 1.08)	1.00	1.00 (0.90; 1.10)	1.00
CRP	WB-Zinc content	0.91 (0.78; 1.06)	0.62	0.97 (0.82; 1.14)	1.00
MBL	WB-Zinc content	1.05 (0.89; 1.23)	1.00	1.05 (0.88; 1.25)	1.00
sTREM-1	WB-Zinc content	0.99 (0.84; 1.17)	1.00	0.95 (0.81; 1.11)	0.99

Covariates included in the multivariate models are neonatal whole blood Zinc (WB-Zinc) content, case-status (cases are children that develops childhood type 1 diabetes (T1D), and controls do not develop T1D during childhood), birthweight and period. IL, interleukin; IFN- γ , interferon gamma; TNF- α , tumor necrosis factor alpha; TGF- β , transforming growth factor beta; CRP, c-reactive protein; MBL, mannose-binding lectin; sTREM-1, soluble triggering receptor expressed on myeloid cells-1.