

SUPPLEMENTARY DATA

Supplementary Table 1. Complete blood count (CBC) (median (range)) at first visit in 448 TEDDY children without or with one or several islet autoantibodies (IA).

	IA negative	IA positive
n	376	72
White blood cells (WBC) (10E9 Cells/L)	4.87 (2.09-12.3)	4.54 (2.08-8.02)
Neutrophil (10E9 cells/L)	2.13 (0.59-9.42)	1.95 (0.85-5.05)
Lymphocyte (LYM) (10E9 cells/L)	1.79 (0.50-3.93)	1.81 (0.80-3.22)
Neutrophil Lymphocyte Ratio (NLR)	1.20 (0.28-7.73)	1.18 (0.42-4.45)
Monocyte (MONO) (10E9 cells/L)	0.37 (0.11-1.07)	0.37 (0.18-0.78)
Eosinophils (EOS) (10E9 cells/L)	0.23 (0.01-1.88)	0.21 (0-1.05)
Basophil (BASO) (10E9 cells/L)	0.05 (0.01-0.15)	0.05 (0.01-0.10)
Platelets (PLT) (10E9 cells/L)	255 (99.4-496)	235 (113-350)
Red blood cells (RBC) (10E12 cells/L)	3.99 (2.13-6.66)	3.92 (1.99-5.35)
<i>Red blood cell parameters</i>		
Hemoglobin (HGB) (g/L)	11.4 (6.66-19.7)	11.0 (5.79-14.9)
Hematocrit (HCT) (L/L)	31.1 (17.1-51.7)	30.1 (15-41)
Mean corpuscular volume (MCV) (fL)	77.5 (68.7-88.7)	77.6 (70.6-87.1)
Mean corpuscular hemoglobin (MCH) (pg)	28.7 (23.4-51.3)	28.4 (24.3-31.4)
Mean corpuscular hemoglobin concentration (MCHC) (g/L)	36.9 (33-65.7)	36.7 (34.3-41)
Red cell distribution width (RDW) (%CV)	11.8 (10.5-15.4)	11.8 (10.7-13.5)

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Supplementary Table 2. The Association between islet autoantibodies (IA) and each complete blood count (CBC) measurement by HLA-DR3-DQ2/DR4-DQ8.

HLA DR3/4-DQ2/8	CBC	Estimate	Standard error	P-value
Yes	White blood cells (10E9cells/L)	-0.240	0.247	0.333
No		-0.329	0.207	0.116
Yes	Neutrophils (10E9cells/L)	-0.275	0.155	0.078
No		-0.192	0.139	0.171
Yes	Lymphocytes (10E9cells/L)	0.040	0.086	0.640
No		-0.055	0.075	0.461
Yes	Monocytes (10E9cells/L)	-0.006	0.019	0.766
No		-0.047	0.023	0.042
Yes	Eosinophils (10E9cells/L)	-0.020	0.044	0.651
No	Model does not fit			
yes	Basophils (10E9cells/L)	-0.002	0.003	0.557
No		-0.006	0.003	0.071
Yes	Platelets	-4.171	10.201	0.683
No		-13.258	8.721	0.130
Yes	Red blood cells	-0.177	0.080	0.030
No		0.003	0.062	0.966
Yes	Hemoglobin	-0.548	0.224	0.016
No	Model does not fit			
Yes	Hematocrit	-1.712	0.599	0.005
No	Model does not fit			
Yes	Mean corpuscular volume	-0.463	0.539	0.392
No		0.614	0.524	0.242
Yes	Mean corpuscular hemoglobin	-0.010	0.255	0.969
No	Model does not fit			
Yes	Red cell distribution width	0.096	0.107	0.372
No		0.144	0.101	0.156

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