

Supplemental Digital Content 10: Analysis first and second year of life

	Cases (n=25)	Controls (n=49)	Unadjusted	Adjusted ^b	
	<i>Positives (n)/Total (N) samples (%)</i>		Odds Ratio (95% CI)	Odds ratio (95% CI)	P value
First year of life					
Parechovirus	29/107 (27.1%)	31/215 (14.4%)	2.60 (1.06 – 6.36)	3.09 (1.02 – 9.39)	0.05
Anellovirus	97/106 (91.5%)	176/214 (82.2%)	3.05 (0.74 – 12.56)	3.76 (0.91 – 5.56)	0.07
Enterovirus	12/130 (9.2%)	36/265 (13.6%)	0.66 (0.29 – 1.47)	0.72 (0.31 – 1.65)	0.43
Adenovirus	15/106 (14.2%)	32/213 (15.0%)	0.99 (0.40 – 2.46)	1.35 (0.54 – 3.38)	0.52
Enterovirus or Parechovirus	38/130 (29.2%)	67/265 (25.3%)	1.30 (0.65 – 2.61)	1.34 (0.64 – 2.79)	0.44
Second year of life					
Parechovirus	19/189 (10.1%)	51/370 (13.8%)	0.69 (0.34 – 1.40)	0.81 (0.40 – 1.68)	0.58
Anellovirus	161/169 (95.3%)	299/332 (90.1%)	2.31 (0.80 – 6.64)	2.58 (0.90 – 7.41)	0.08
Enterovirus	60/194 (30.9%)	70/380 (18.4%)	1.96 (1.30 – 2.96)	2.08 (1.33 – 3.27)	0.001
Adenovirus	33/194 (17.0%)	60/379 (15.8%)	1.13 (0.59 – 2.19)	0.97 (0.51 – 1.85)	0.92
Enterovirus or Parechovirus	76/194 (39.2%)	115/380 (30.3%)	1.50 (0.94 – 2.38)	1.73 (1.06 – 2.83)	0.03

In these analyses, samples prior to the first positive TG2 antibody sample are considered prior to TG2 antibody development, to attempt to replicate findings reported in the TEDDY study. (1)

Reference:

1. Lindfors K, Lin J, Lee HS, et al. Metagenomics of the faecal virome indicate a cumulative effect of enterovirus and gluten amount on the risk of coeliac disease autoimmunity in genetically at risk children: the TEDDY study. Gut 2019.