

**Table 4:** Bayesian Posterior Phylogenetic Association Index (AI) by genome region, case demographic and clinical symptoms.

	5'UTR				VP4/VP2				Combined			
	AI	95% CI	Null CI	P	AI	95% CI	Null CI	P	AI	95% CI	Null CI	P
<b>Control (N=35)</b>												
Serotype	0.08	(0.08 - 0.08)	(1.34 - 2.64)	< 0.01	0.00	(0.00 - 0.00)	(1.34 - 2.7)	< 0.01	0.0	(0.00 - 0.00)	(1.22 - 2.57)	< 0.01
<b>Demographic (N=35)</b>												
Age Group	1.66	(1.41 - 1.85)	(1.15 - 2.67)	0.41	1.45	(1.21 - 1.77)	(1.32 - 2.53)	0.12	1.53	(1.27 - 1.76)	(1.09 - 2.54)	0.27
<b>Clinical features (N=21)</b>												
Abdominal pain	0.55	(0.39 - 0.81)	(0.32 - 1.17)	0.10	0.77	(0.55 - 0.83)	(0.36 - 1.16)	0.47	0.74	(0.39 - 0.95)	(0.26 - 1.04)	0.48
Chills	1.01	(0.79 - 1.04)	(0.39 - 1.24)	0.84	0.85	(0.60 - 1.08)	(0.39 - 1.21)	0.45	0.99	(0.75 - 1.09)	(0.38 - 1.05)	0.88
Cough	0.03	(0.03 - 0.03)	(0.03 - 0.36)	0.40	0.03	(0.03 - 0.03)	(0.03 - 0.36)	0.10	0.03	(0.03 - 0.03)	(0.08 - 0.36)	0.20
Diarrhoea	0.61	(0.54 - 0.62)	(0.43 - 1.30)	0.19	0.62	(0.30 - 0.85)	(0.38 - 1.21)	0.22	0.60	(0.46 - 0.92)	(0.41 - 1.04)	0.17
Earache	0.78	(0.71 - 0.79)	(0.45 - 1.37)	0.27	0.90	(0.58 - 1.09)	(0.45 - 1.41)	0.48	0.73	(0.63 - 0.94)	(0.4 - 1.23)	0.32
Lethargy	0.53	(0.45 - 0.54)	(0.33 - 1.11)	0.27	0.83	(0.47 - 1.04)	(0.38 - 1.27)	0.55	0.43	(0.37 - 0.62)	(0.33 - 1.09)	0.09
Loss appetite	0.71	(0.55 - 0.83)	(0.51 - 1.39)	0.25	0.64	(0.30 - 0.80)	(0.52 - 1.39)	0.16	0.61	(0.42 - 0.88)	(0.48 - 1.22)	0.13
Nasal Congestion	0.34	(0.34 - 0.34)	(0.03 - 0.36)	0.91	0.33	(0.33 - 0.35)	(0.10 - 0.36)	0.65	0.34	(0.34 - 0.34)	(0.08 - 0.36)	0.91
Sneezes	0.78	(0.71 - 0.79)	(0.50 - 1.35)	0.23	0.90	(0.58 - 1.09)	(0.48 - 1.31)	0.51	0.73	(0.63 - 0.94)	(0.51 - 1.24)	0.21
Sore throat	1.0	(0.86 - 0.86)	(0.57 - 0.86)	0.40	1.02	(0.76 - 0.76)	(0.59 - 0.86)	0.29	1.0	(0.68 - 0.68)	(0.73 - 0.86)	0.30

	9	- 1.43)	1.75)			1.34)	1.81)		7	1.38)	1.66)	
		(1.00										
Vomiting	1.1	(0.76 -		0.58	1.38	(1.29 -	(0.61 -		1.0	(0.8 -	(0.65 -	
	8	- 1.25)	1.65)			1.51)	1.61)	0.80	8	1.35)	1.46)	0.59

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