TABLE S6 | Null hypothesis mutation drift equilibrium test for under mutation models: infinite alleles model (IAM), two-phase model (TPM) and stepwise mutation model (SMM) using the Sign test and Wilcoxon sing-rank tests (WSt), with one tail for H excess ($H_E >$ Heq). Bold values are significant at ($P < 0.03$).

Locality	Evolution models					
	IAM		TPM		SMM	
	Sign test	WS	Sign test	WS	Sign test	WS
Santa Catarina	0.4364	0.0781	0.5356	0.3125	0.5928	0.6875
São Paulo	0.6165	0.6562	0.0760	0.9218	**0.0672**	0.9765
Rio de Janeiro	0.3535	0.0625	0.3651	0.0937	0.6828	0.1562
Pernambuco	0.3990	0.6875	0.3750	0.6875	**0.3470**	0.9218
Pará	**0.2621**	0.9687	**0.2272**	0.9687	**0.0430**	0.9000

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