

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 ($H_e > H_{eq}$). 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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