

**A. Statistical analysis of the association of host family and phylogenetic clustering performed on BaTS software. Parsimony Score (PS); Association Index (AI); Monophyletic Clade (MC). Values of  $p \leq 0.01$  were considered significant.**

Statistic	observed mean	lower 95% CI	upper 95% CU	null mean	lower 95% CI	upper 95% CI	significance
AI	1.5468833446502686	1.1476664543151855	1.8975307941436768	13.400958061218262	12.31212329864502	14.224847793579102	0.0
PS	17.94845199584961	17.0	19.0	84.2565689086914	79.86600494384766	87.89895629882812	0.0
MC Miniopteridae	16.911205291748047	17.0	17.0	1.5972195863723755	1.0530472993850708	2.0393481254577637	0.009999990463256836
MC Molossidae	19.204439163208008	14.0	20.0	2.1972031593322754	1.9166041612625122	2.9949002265930176	0.009999990463256836
MC Vespertilionidae	1.99875009059906	2.0	2.0	1.128929615020752	1.0	1.7994600534439087	0.009999990463256836
MC Phyllostomidae	11.976301193237305	12.0	12.0	1.709789752960205	1.2552372217178345	2.0662965774536133	0.009999990463256836
MC Rhinolophidae	8.965601921081543	9.0	9.0	1.674130916595459	1.1633418798446655	2.160141944885254	0.009999990463256836
MC Mormoopidae	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MC Hipposideridae	36.98834991455078	37.0	37.0	2.3783788681030273	2.0143492221832275	3.029148578643799	0.009999990463256836
done							

**B. Statistical analysis of the association of location and phylogenetic clustering performed on BaTS software. Parsimony Score (PS); Association Index (AI); Monophyletic Clade (MC). Values of  $p \leq 0.01$  were considered significant.**

Statistic	observed mean	lower 95% CI	upper 95% CU	null mean	lower 95% CI	upper 95% CI	significance
AI	3.477046012878418	3.098742961883545	3.8299124240875244	14.8568115234375	14.079565048217773	15.577279090881348	0.0
PS	40.511775970458984	40.0	41.0	95.0477523803711	91.6084213256836	98.02189636230469	0.0
MC Hong_Kong	1.0	1.0	1.0	1.0044093132019043	1.0	1.0000499486923218	1.0
MC Barreiras_BA	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MC S.J.Rio Preto_SP	9.996749877929688	10.0	10.0	1.506858229637146	1.0762461423873901	2.0067496299743652	0.009999990463256836
MC Bulgaria	5.785210609436035	5.0	6.0	1.5236754417419434	1.054847240447998	2.027798652648926	0.009999990463256836
MC Panama	1.022648811340332	1.0	1.0	1.0005004405975342	1.0	1.0	1.0
MC Porto Alegre_RS	13.993450164794922	14.0	14.0	1.3411026000976562	1.0006999969482422	1.9989500045776367	0.009999990463256836
MC CostaRica_Tirimina	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MC CostaRica_SanJose	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MC Araçatuba	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MC Mexico	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MC China_Henan	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MC CostaRica_Parrita	1.0	1.0	1.0	1.0023518800735474	1.0	1.0016999244689941	1.0
MC Mojiang	2.999150037765503	3.0	3.0	1.233475923538208	1.0000499486923218	1.9931002855300903	0.009999990463256836
MC Ghana	36.98830032348633	37.0	37.0	2.393120765686035	1.9682515859603882	3.0882456302642822	0.009999990463256836
MC Fênix_PR	1.0	1.0	1.0	1.0045512914657593	1.0	1.0	1.0
MC Iguaçu_PR	1.0928953886032104	1.0	2.0	1.0243602991104126	1.0	1.054097294807434	1.0
MC Ivai_PR	1.9994499683380127	2.0	2.0	1.014824390411377	1.0	1.0483475923538208	0.009999990463256836
MC Andradina_SP	1.0	1.0	1.0	1.00876000946426392	1.0	1.0	1.0
MC Penápolis_SP	1.9991999864578247	2.0	2.0	1.0149028301239014	1.0	1.0235488414764404	0.009999990463256836
MC SudMennucci_SP	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MC Campinas_SP	1.8146092891693115	1.0	3.0	1.0536974668502808	1.0	1.3305834531784058	0.009999990463256836
MC Ribeirão Preto_SP	1.0	1.0	1.0	1.0002559423446655	1.0	1.0	1.0
MC Valinhos_SP	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MC Sumaré_SP	1.0	1.0	1.0	1.0	1.0	1.0	1.0
MC China_Guizhou	4.9982500076293945	5.0	5.0	1.0335619449615479	1.0	1.1610419750213623	0.009999990463256836
MC China_Guangdong	3.3690314292907715	3.0	4.0	1.0429608821868896	1.0	1.1725913286209106	0.009999990463256836
MC Hainan_China	1.0	1.0	1.0	1.0	1.0	1.0	1.0
done							

Done.