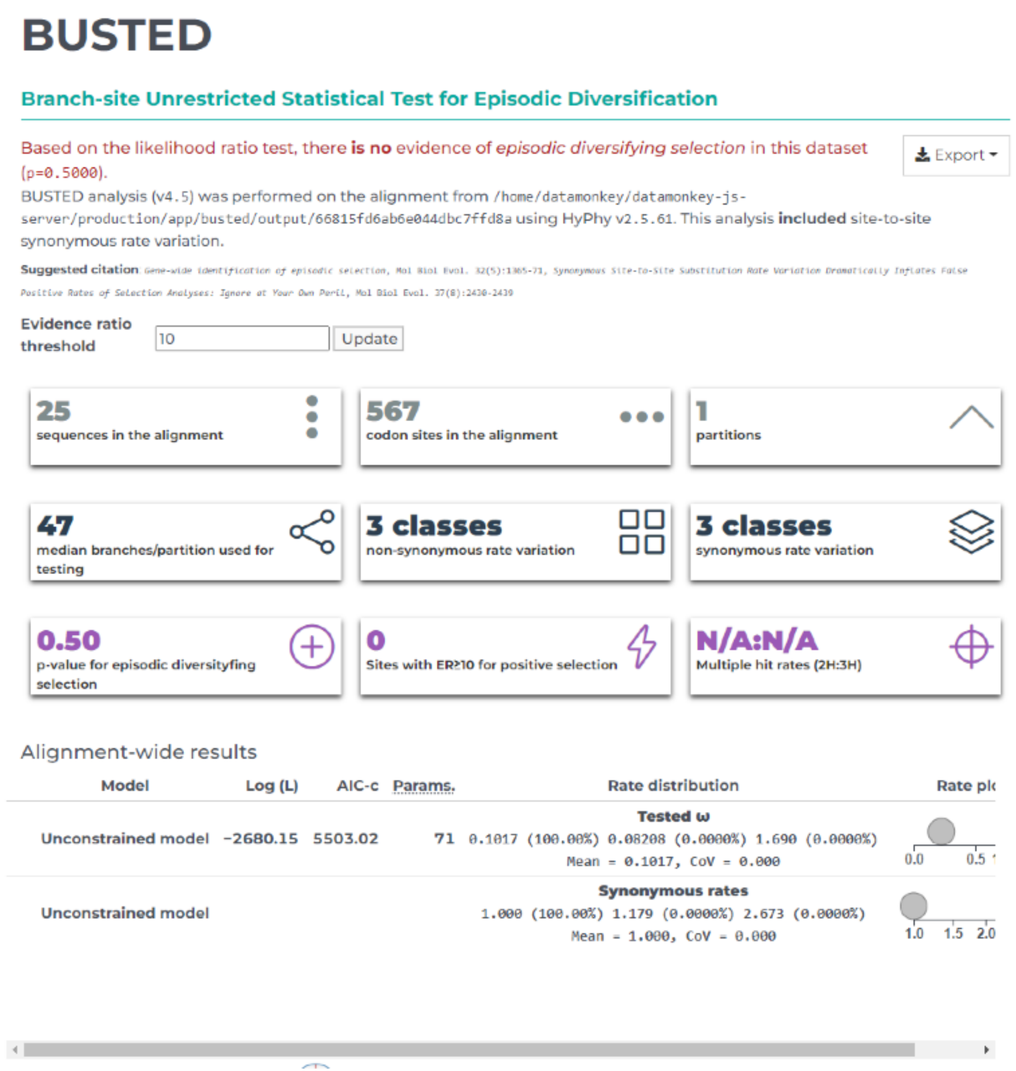
Explore results - https://www.datamonkey.org/busted/66815fd6ab6e044dbc7ffd8a



BUSTED

Branch-site Unrestricted Statistical Test for Episodic Diversification

Based on the likelihood ratio test, there **is no** evidence of *episodic diversifying selection* in this dataset (p=0.5000).

Export

BUSTED analysis (v4.5) was performed on the alignment from /home/datamonkey/datamonkey-js-server/production/app/busted/output/66815fd6ab6e044dbc7ffd8a using HyPhy v2.5.61. This analysis **included** site-to-site synonymous rate variation.

Suggested citation *Gene-wide Identification of Episodic Selection*, Mol Biol Evol. 32(5):1365-73, *Synonymous Site-to-Site Substitution Rate Variation Dramatically Inflates False Positive Rates of Selection Analyses: Ignore at Your Own Peril*, Mol Biol Evol. 37(8):2430-2439

Evidence ratio threshold: 10 Update

25 sequences in the alignment	**567** codon sites in the alignment	**1** partitions
47 median branches/partition used for testing	**3 classes** non-synonymous rate variation	**3 classes** synonymous rate variation
0.50 p-value for episodic diversityfing selection	**0** Sites with ER≥10 for positive selection	**N/A:N/A** Multiple hit rates (2H:3H)

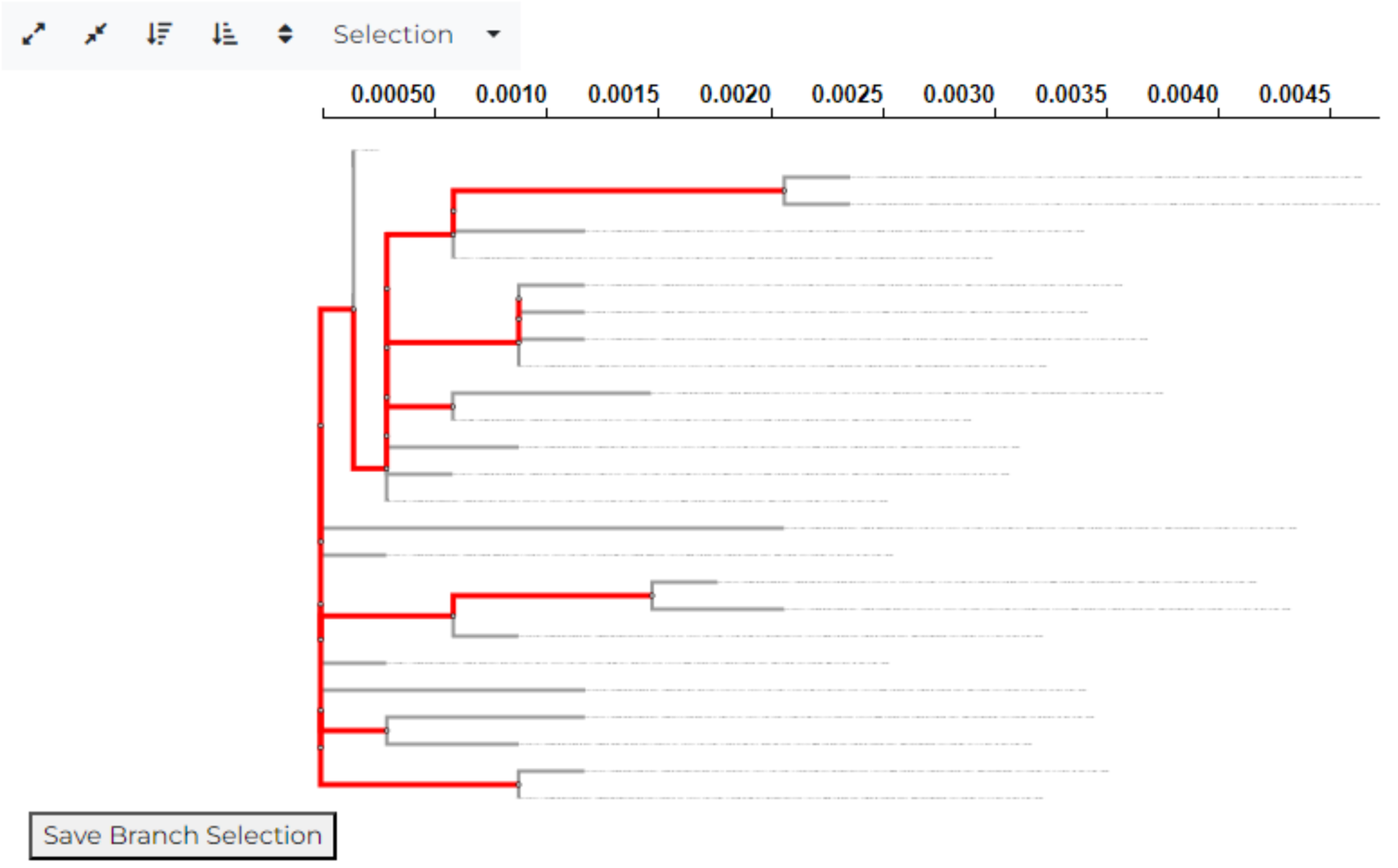
Alignment-wide results

Model	Log (L)	AIC-c	Params.	Rate distribution	Rate pl
Unconstrained model	−2680.15	5503.02	71	**Tested ω** 0.1017 (100.00%) 0.08208 (0.0000%) 1.690 (0.0000%) Mean = 0.1017, CoV = 0.000	0.0 0.5
Unconstrained model				**Synonymous rates** 1.000 (100.00%) 1.179 (0.0000%) 2.673 (0.0000%) Mean = 1.000, CoV = 0.000	1.0 1.5 2.0

BUSTED

Branch-site Unrestricted Statistical Test for Episodic Diversification

Select Test Branches



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