Datamonkey

Methods and Tools ▾   **Job Queue**   **Usage statistics**   **API** ▾   **Citations**   **Help**

COVID-19   **Blog**   ⧉ **Classic**

URL: https://www.datamonkey.org/busted/5f45198134c53e423ae6751a

Branch-site Unrestricted Statistical Test for Episodic Diversification
results summary

INPUT DATA | **5f45198134c53e423ae6751a** | **44** sequences | **561** sites   ⬇ **Export** ▾

BUSTED with synyonymous rate variation **found no evidence** (LRT, p-value = 0.478 ≥ .05) of gene-wide episodic diversifying selection in the selected test branches of your phylogeny. Therefore, there is no evidence that any sites have experienced diversifying selection along the test branch(es).

See **here** for more information about this method.

Please cite **PMID 25701167** if you use this result in a publication, presentation, or other scientific work.

Model fits ⓘ

Model	$\log$ L	#. params	AIC_c	CV(SRV)	Branch set	ω_1	ω_2	ω_3	
Unconstrained model	-6150.5	109	12520.0	0.839	Test	0.01 (94.89%)	0.02 (3.58%)	1.60 (1.53%)	⊪
Constrained model	-6150.6	108	12518.1	0.838	Test	0.00 (90.04%)	0.02 (6.99%)	1.00 (2.97%)	⊪

This table reports a statistical summary of the models fit to the data. Here, **Unconstrained model** refers to the BUSTED alternative model for selection, and **Constrained model** refers to the BUSTED null model for selection.

Model Test Statistics Per Site ⓘ

⊡ Export Chart to PNG   ⊡ Export Chart to SVG
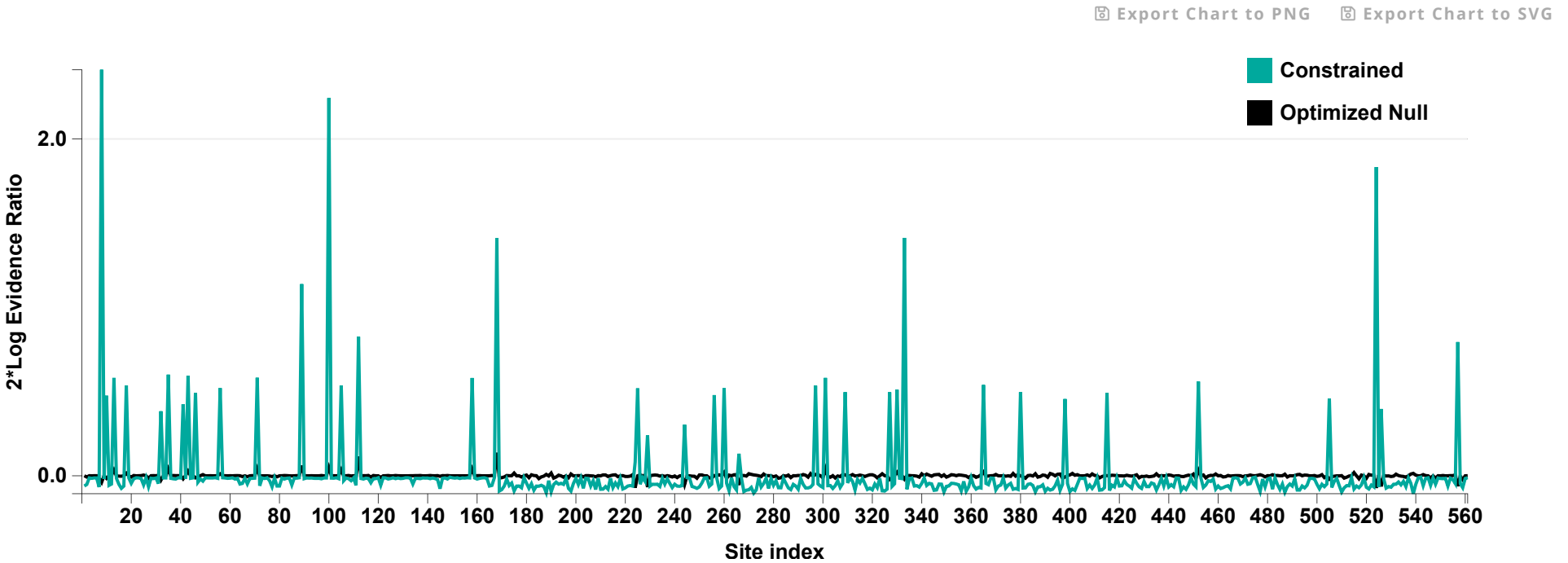
CONSTRAINED TEST STATISTIC

–Infinity

OPTIMIZED NULL TEST STATISTIC

–Infinity

Showing entries 1 through 20 out of 561.   ⊡ **Export Table to CSV**
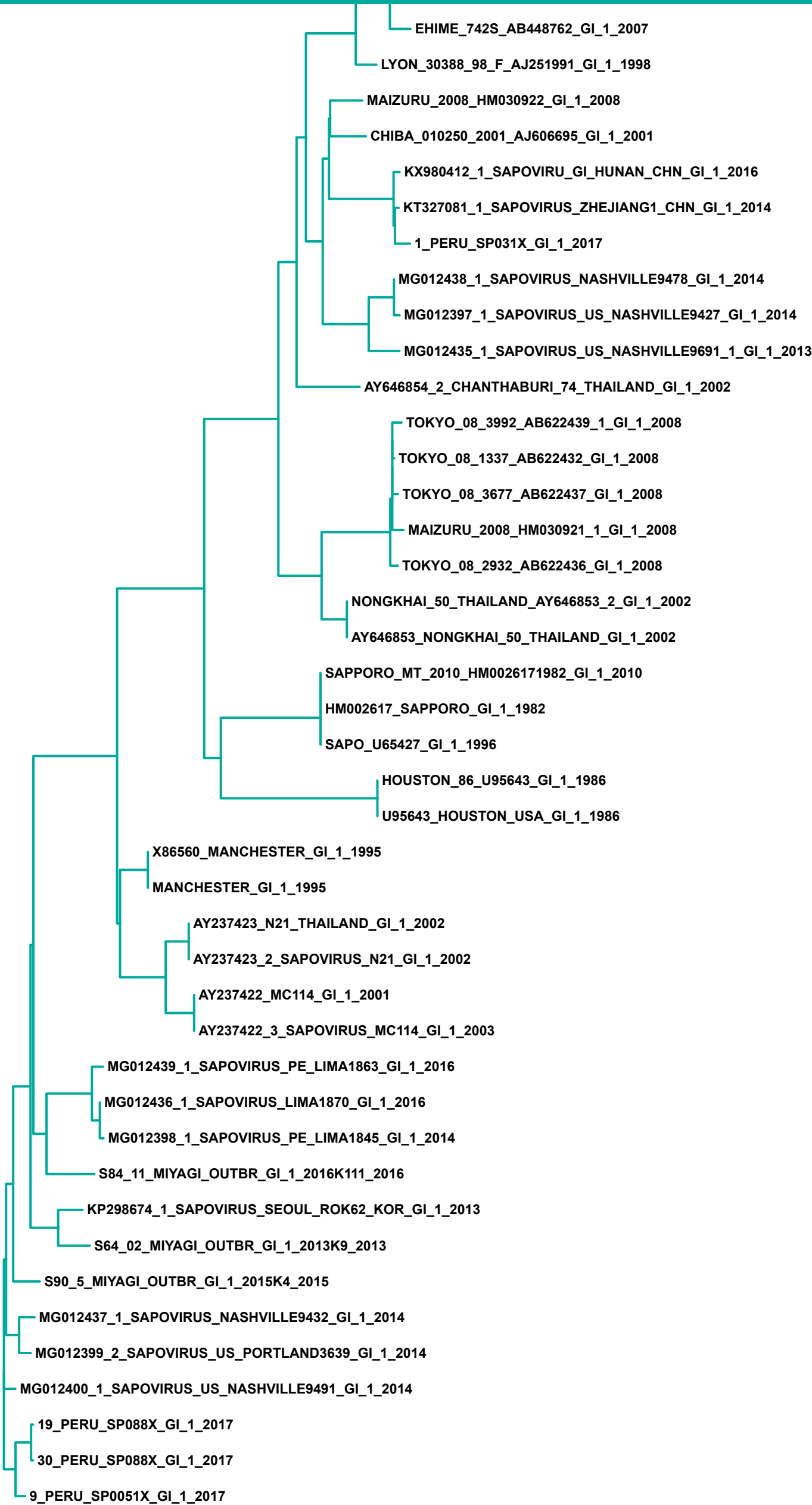
⟨⟨ ⟨ ⟩ ⟩⟩

Site index	Unconstrained	Constrained	Optimized Null	Constrained	Optimized Null

2	-10.15	-10.13	-10.15	-0.05	-0.01
3	-5	-4.99	-5	-0.01	0
4	-4.94	-4.93	-4.94	-0.02	0
5	-5	-4.99	-5	-0.01	0
6	-4.92	-4.91	-4.92	-0.01	0
7	-13.39	-13.36	-13.38	-0.07	-0.02
8	-42.05	-43.25	-42.03	2.41	-0.04
9	-4.66	-4.65	-4.66	-0.02	0
10	-17.87	-18.1	-17.86	0.48	-0.02
11	-9.8	-9.77	-9.8	-0.06	0
12	-18.07	-18.04	-18.07	-0.05	0
13	-14.82	-15.11	-14.84	0.58	0.03
14	-4.89	-4.89	-4.89	-0.02	0
15	-10.35	-10.32	-10.35	-0.05	0
16	-15.8	-15.76	-15.79	-0.07	0
17	-4.24	-4.21	-4.24	-0.06	0
18	-17.16	-17.43	-17.17	0.54	0.02
19	-4.74	-4.74	-4.74	-0.01	0
20	-9.28	-9.26	-9.28	-0.04	-0.01

Fitted tree   ⓘ

Options ▾   ↕ ↨   ⬇⧎ ⬇⧎   ≡ ≡   ⚙ ▾   Export ▾

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Steven Weaver
@stvnwvr

I've started working on a comprehensive benchmarking notebook for HyPhy and started with commonly used methods. If there are any specific benchmarks you'd like to see, let me know and I'll include if reasonable.
observablehq.com/@stevenweaver/…

HyPhy Benchmarks and Profiling
An Observable notebook by Steven Wea…
observablehq.com

Embed   View on Twitter

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