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## **Fast Unconstrained Bayesian AppRoximation** results summary

**6096ed5d238adf71a5160d3b 87** sequences **238** sites **INPUT DATA** 

**L** Export ▼

## FUBAR found evidence of

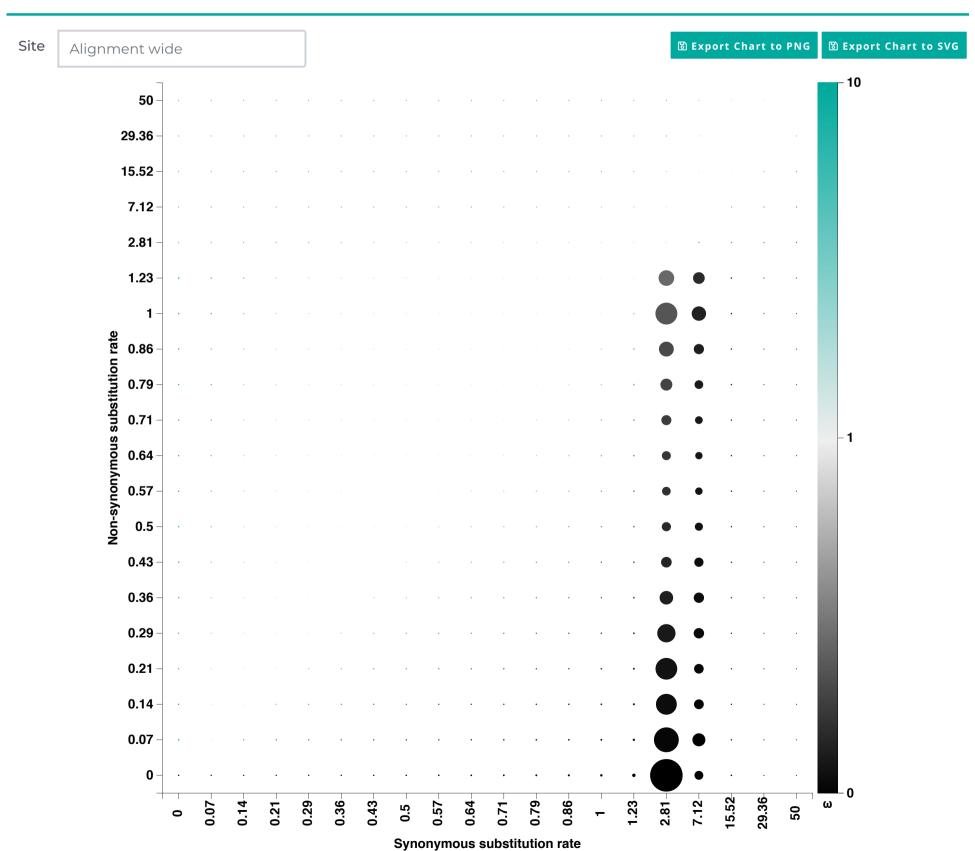
- episodic positive/diversifying selection at 4 sites
- episodic negative/purifying selection at 210 sites

with posterior probability of 0.9

See **here** for more information about the FUBAR method.

Please cite **PMID 23420840** if you use this result in a publication, presentation, or other scientific work.

## Posterior rate distribution



This graph shows the posterior distribution over the discretized rate grid. The size of a dot is proportional to the posterior weight allocated to that gridpoint, and the color shows the intensity of selection. Site-specific distributions can be viewed by entering a site number in the input box above the figure. When this is empty, the alignment-wide distribution will be shown.



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Positively selected sites with evidence are highlighted in green.

Negatively selected sites with evidence are highlighted in black.

Showing entries 219 through 238 out of 238.

B Export Table to CSV



Site $\Rightarrow$ Partition $\Rightarrow$ $\alpha \Rightarrow$ $\beta \Rightarrow$ $\beta - \alpha \Rightarrow$ Prob $[\alpha > \beta] \Rightarrow$ Prob $[\alpha < \beta] \Rightarrow$ BayesFactor $[\alpha < \beta] \Rightarrow$	Site \$	Partition \$	rtition $\Rightarrow$ $\alpha \Rightarrow \beta \Rightarrow$	β-α 🗢	$Prob[\alpha>\beta] \Leftrightarrow$	$Prob[\alpha < \beta] \Leftrightarrow$	BayesFactor[α<β] <b>\$</b>
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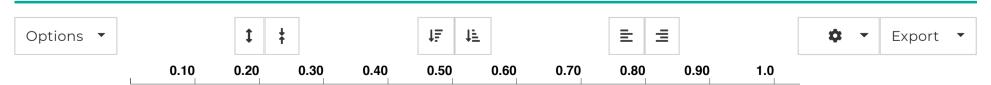
223	1	0.155	0.159	0.005	0.325	0.529	3.422	0.000	0.000
224	1	0.148	0.048	-0.100	0.541	0.188	0.706	0.000	0.000

228	1	0.502	0.769	0.266	0.178	0.757	9.503	0.000	0.000
229	1	1.262	0.936	-0.326	0.483	0.407	2.092	0.000	0.000
231	1	0.284	0.441	0.157	0.238	0.704	7.226	0.000	0.000

235	1	0.273	0.469	0.195	0.238	0.701	7.134	0.000	0.000
236	1	0.853	2.317	1.465	0.245	0.709	7.403	0.000	0.000
237	1	1.310	0.576	-0.733	0.506	0.447	2.466	0.000	0.000
238	1	4.754	2.856	-1.898	0.724	0.247	1.000	0.000	0.000

## Fitted tree





HYLOCEREUS\_UNDATUS\_SRR11190793\_NC\_002815

HYLOCEREUS\_UNDATUS\_SRR11603187\_NC\_006059

KM288846

JF937699

HYLOCEREUS\_UNDATUS\_SRR11603186\_NC\_006059

HYLOCEREUS\_UNDATUS\_SRR11603190\_NC\_006059



COVID-19 **Blog Classic** JX524226 SPECIES12 LC107515 SPECIES14 SPECIES16 MH423501 KX196173 MF978248 LC107517 SPECIES3 KU697313 - AY800279 LC155795 KT717325 FJ822136 SPECIES18 GQ179646 SPECIES20 KU854931 AY366209 - AY863024 SPECIES24 SPECIES22 - GQ179647 HYLOCEREUS\_POLYRHIZUS\_SRR11190802\_NC\_011659 KY348771 KU854929 HYLOCEREUS\_POLYRHIZUS\_SRR11190802\_NC\_024458 HYLOCEREUS\_UNDATUS\_SRR11190800\_NC\_024458 HYLOCEREUS\_UNDATUS\_SRR11190791\_NC\_024458 HYLOCEREUS\_UNDATUS\_SRR11603183\_NC\_011659 HYLOCEREUS\_UNDATUS\_SRR11603184\_NC\_011659 MG210801 HYLOCEREUS\_UNDATUS\_SRR11603187\_NC\_011659 HYLOCEREUS\_POLYRHIZUS\_SRR11190801\_NC\_024458 HYLOCEREUS\_POLYRHIZUS\_SRR11190795\_NC\_024458 HYLOCEREUS\_UNDATUS\_SRR11603184\_NC\_024458 JF930327 KP090203 AY366207 HYLOCEREUS\_UNDATUS\_SRR11603189\_NC\_011659 HYLOCEREUS\_UNDATUS\_SRR11190793\_NC\_024458 HYLOCEREUS\_POLYRHIZUS\_SRR11190796\_NC\_024458 HYLOCEREUS\_POLYRHIZUS\_SRR11190797\_NC\_024458 HYLOCEREUS\_UNDATUS\_SRR11603189\_NC\_024458 HYLOCEREUS\_UNDATUS\_SRR11603191\_NC\_024458

HYLOCEREUS\_UNDATUS\_SRR11603187\_NC\_024458



KM288845 HYLOCEREUS\_POLYRHIZUS\_SRR11190802\_NC\_006059 SPECIES62 HYLOCEREUS\_POLYRHIZUS\_SRR11190796\_NC\_006059 SPECIES64 HYLOCEREUS\_POLYRHIZUS\_SRR11190797\_NC\_006059 - HYLOCEREUS\_UNDATUS\_SRR11603186\_NC\_024458 SPECIES66 JF930326 AY366208 KM288844 KM288842 KM288843 HYLOCEREUS\_UNDATUS\_SRR11603191\_NC\_006059 HYLOCEREUS\_UNDATUS\_SRR11603189\_NC\_006059 KM288847 SCHLUMBERGERA\_TRUNCATA\_19JSF\_STY\_NC\_002815 SCHLUMBERGERA\_TRUNCATA\_15H03\_CONS HYLOCEREUS\_UNDATUS\_SRR11603190\_NC\_002815 SCHLUMBERGERA\_TRUNCATA\_15H06\_CONS LC128411 HYLOCEREUS\_UNDATUS\_SRR11603186\_NC\_002815 HYLOCEREUS\_UNDATUS\_SRR11603191\_NC\_002815 SCHLUMBERGERA\_TRUNCATA\_15H04\_CONS HYLOCEREUS\_UNDATUS\_SRR11603189\_NC\_002815 HYLOCEREUS\_UNDATUS\_SRR11190792\_NC\_002815 HYLOCEREUS\_UNDATUS\_SRR11603187\_NC\_002815 KM365479

Model fits

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dd.	7.200			
Model	AIC <sub>C</sub>	log L	Parameters	Rate distributions

This table reports a statistical summary of the models fit to the data. Here, **MG94** refers to the MG94xREV baseline model that infers a single  $\omega$  rate category per branch.

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