

## Fast Unconstrained Bayesian AppRoximation results summary

INPUT DATA | 60961fdc238adf71a515f4a8 | 91 sequences | 1743 sites

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FUBAR **found evidence** of

⊕ episodic positive/diversifying selection at 0 sites

⊖ episodic negative/purifying selection at 1602 sites

with posterior probability of .

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.

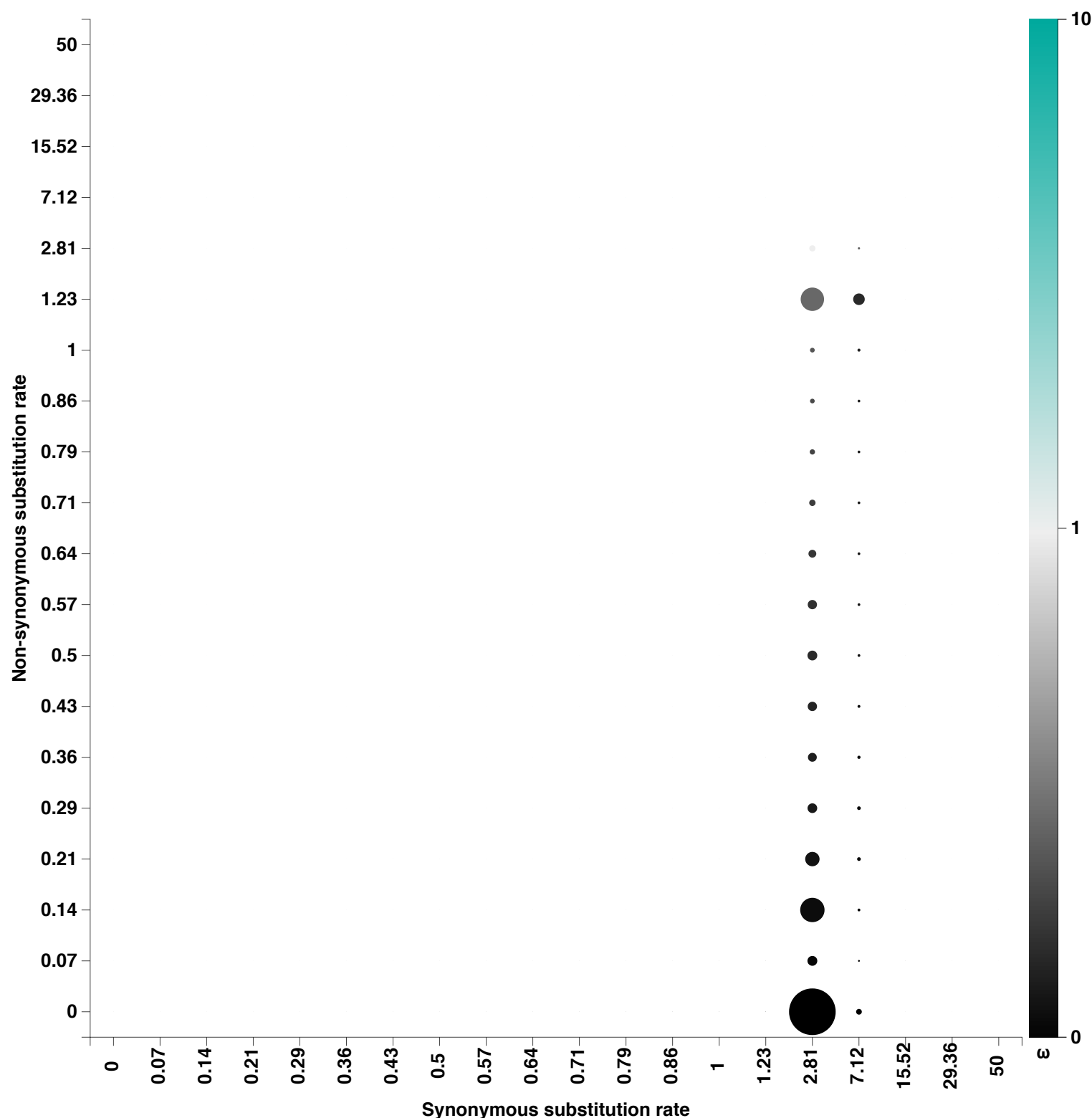
### Posterior rate distribution



Site

 Export Chart to PNG

 Export Chart to SVG



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.

Positively selected sites with evidence are highlighted in green.

Negatively selected sites with evidence are highlighted in black.

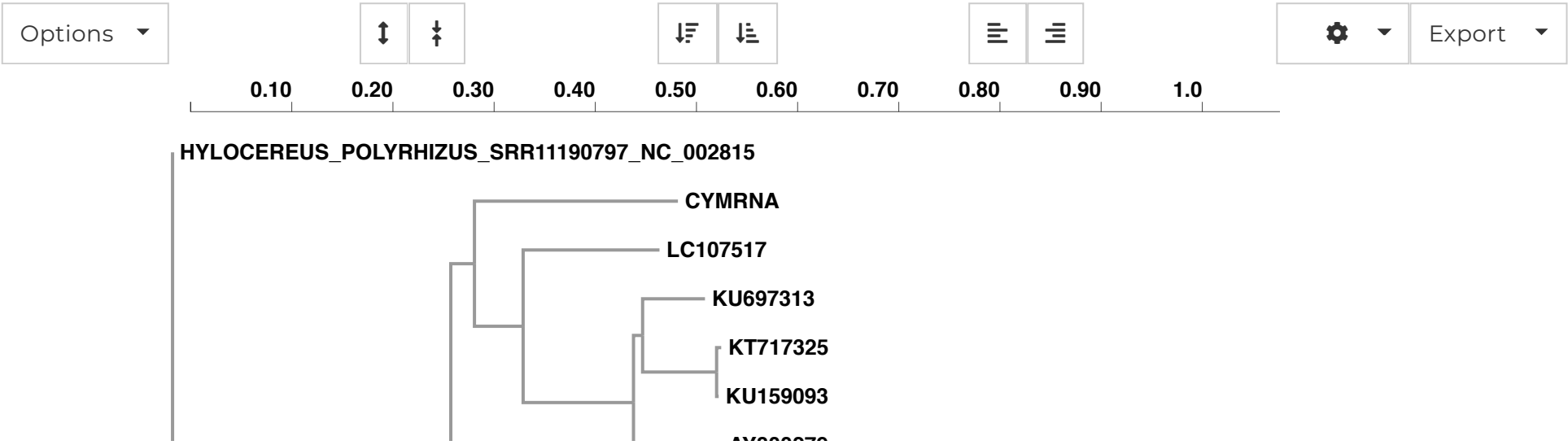
Showing entries 1 through 20 out of 1743.

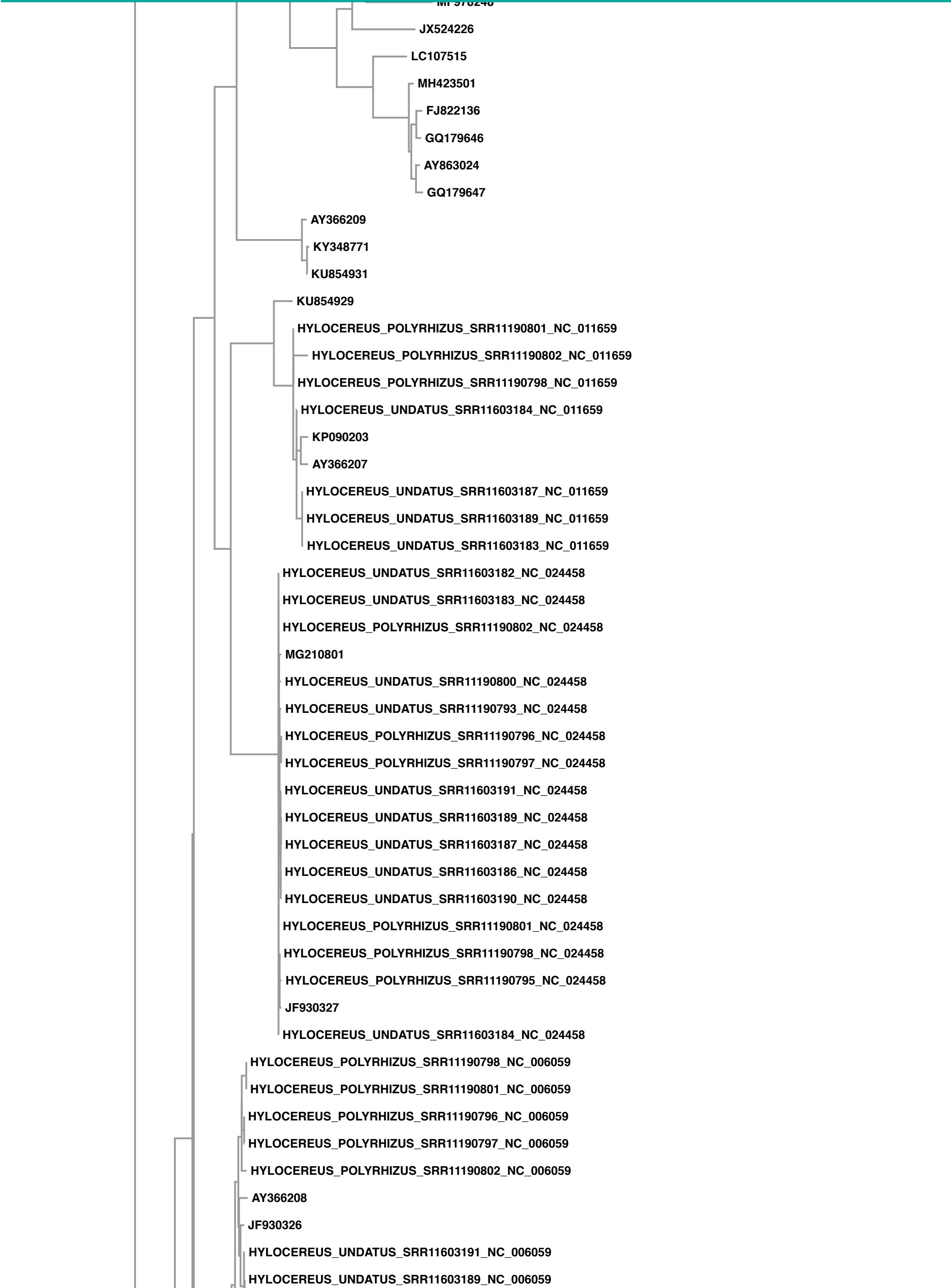
 **Export Table to CSV**

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Site ↕	Partition ↕	$\alpha$ ↕	$\beta$ ↕	$\beta - \alpha$ ↕	Prob[ $\alpha > \beta$ ] ↕	Prob[ $\alpha < \beta$ ] ↕	BayesFactor[ $\alpha < \beta$ ] ↕		
3	1	0.980	0.375	-0.605	0.852	0.102	1.669	0.000	0.000
4	1	0.671	0.356	-0.314	0.723	0.205	3.797	0.000	0.000
8	1	1.904	0.494	-1.410	0.869	0.100	1.633	0.000	0.000
11	1	1.431	0.623	-0.808	0.628	0.331	7.281	0.000	0.000

Fitted tree







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.



**Spyros Lytras**

@SpyrosLytras

Replying to @SpyrosLytras

We used an array of methods implemented in [@hyphy\\_software](#) to search for site-, branch- and ORF-specific selection in the phylogenetic clade SARS-CoV-2 emerged from (we refer to as the 'nCoV' clade) 9/18



Mar 13, 2021



HyPhy Retweeted



**Sergei Pond**

@sergeilkp

Rapid app development is a must. Excited to start moving [Datamonkey.org](#) visualization development to embedded [@observablehq](#) notebooks. The new GARD analysis result page is one such example.

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