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URL: https://www.datamonkey.org/busted/5f451a7a34c53e423ae67563

Branch-site Unrestricted Statistical Test for Episodic Diversification results summary

INPUT DATA | 5f451a7a34c53e423ae67563 | 39 sequences | 570 sites

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BUSTED with synyonymous rate variation **found evidence** (LRT, p-value = $0.000 \le .05$) of gene-wide episodic diversifying selection in the selected test branches of your phylogeny. Therefore, there is evidence that at least one site on at least one test branch has experienced diversifying selection.

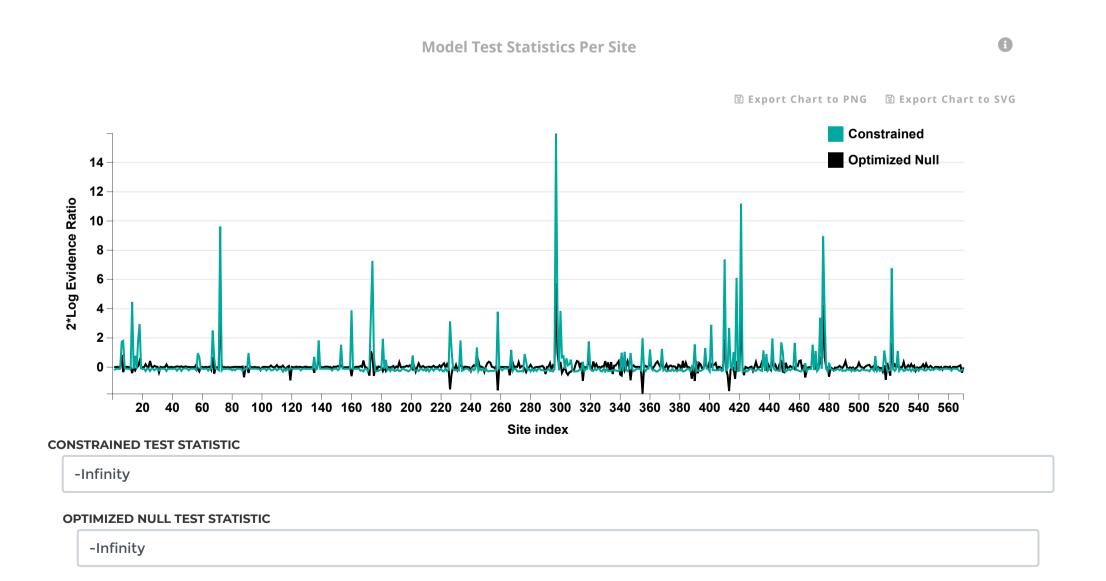
See **here** for more information about this method.

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

Model AIC_c CV(SRV) **Branch set** log L #. params ω_1 ω_2 ω_3 0.06 (98.12%) **Unconstrained model** -5510.3 99 11219.4 0.737 Test 0.03 (1.18%) 18.81 (0.70%) 111 **Constrained model** -5520.0 11236.9 0.754 0.00 (13.20%) 0.00 (75.35%) 1.00 (11.45%) 411 98 Test

Model fits

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.



Showing entries 1 through 20 out of 570.



Site index Unconstrained Constrained Optimized Null Constrained Optimized Null

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2	-4.75	-4.69	-4.75	-0.12	0
3	-4.98	-4.93	-4.99	-0.1	0.02
4	-4.59	-4.52	-4.58	-0.13	-0.02
5	-4.98	-4.93	-4.99	-0.1	0.02
6	-16.58	-17.44	-16.99	1.74	0.83
7	-23.05	-23.95	-22.88	1.8	-0.34
8	-5.45	-5.41	-5.45	-0.07	0.01
9	-5.11	-5.06	-5.12	-0.11	0.02
10	-4.83	-4.77	-4.84	-0.11	0.02
11	-4.59	-4.52	-4.58	-0.13	-0.02
12	-5.03	-4.98	-5.03	-0.11	-0.01
13	-34.27	-36.5	-34.07	4.46	-0.41
14	-4.72	-4.66	-4.72	-0.11	0
15	-19.03	-19.42	-18.92	0.78	-0.22
16	-4.78	-4.72	-4.77	-0.12	-0.02
17	-14.79	-15.7	-14.82	1.82	0.06
18	-21.92	-23.39	-22.13	2.94	0.42
19	-5.17	-5.12	-5.17	-0.1	0
20	-4.32	-4.26	-4.31	-0.12	-0.02

Fitted tree

Options 🔻

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MIYAGI_GEO38_2009_AB630340_GI_2_2009
   -AICHI_2010_AB607855_1_GI_2_2010
    KM092506_1_SAPOVIRUS_ISOLATE_13_SAV_1_2_GI_2_2013
    - LC081178_1_SAPOVIRUS_OH13068_GI_2_2013
         SAV_9_5_TAIPEI_07_TW_EU124657_1_GI_2_2007
        CHIBA_041413_2004_AB258427_1_GI_2_2004
         NOBEOKA_1_3_DAY6_2005_AB455800_1_GI_2_2005
         NOBEOKA_1_2_DAY25_2005_AB455799_GI_2_2005
         NOBEOKA_1_3_DAY28_2005_AB455802_GI_2_2005
                            POTSDAM_2000_AF294739_GI_2_2000
                            AF294739_POTSDAM_GERMANY_GI_2_2000
                                            PARKVILLE_U73124_1_GI_2_1997
                                                - HOUSTON_90_U95644_1_GI_2_1990
                       MK250983_BRA_2015_GI_2_TO_65_2015
                     MK250987_HU_BRA_GI_2_TO_89_2014
                           - 23_PERU_SP265X_GI_2_2018
                            18_PERU_SP223X_GI_2_2018
                            17_PERU_SP223X_GI_2_2018
                            L 15_PERU_SP223X_GI_2_2018
     MG012442_1_SAPOVIRUSUS_OAKLAND3023_GI_2_2016
   MG012441_1_SAPOVIRUS_OAKLAND6371_GI_2_2016
   MG132178_1_SHENZHEN_23_CHN_GI_2_2016
    MG132174_1_SHENZHEN_4_CHN_GI_2_2016
   MG515479_1_SHENZHEN_22_CHN_GI_2_2016
        SN091X_TG22010_PHIL_BATCH7_2018
 KM092508_1_ISOLATE_13_SAV_2_3_GI_2_2013
KM092507_1_ISOLATE_13_SAV_2_2_GI_2_2013
 JX993277_1_SAPOVIRUS_G1_BE_HPI01_DE_GI_2_2012
MG012440_1_SAPOVIRUS_NASHVILLE9411_GI_2_2015
S67_22_MIYAGI_OUTBR_GI_2_2013K4_2013
S68_23_MIYAGI_OUTBR_GI_2_2013K4_2013
LC081170_1_SAPOVIRUS_OH13033_GI_2_2013
 LC081162_1_SAPOVIRUS_OH12095_JPN_GI_2_2012
 LC081166_1_SAPOVIRUS_OH13019_JPN_GI_2_2013
 LC081169_1_SAPOVIRUS_OH13028_JPN_GI_2_2013
LC081164_1_SAPOVIRUS_OH13013_JPN_GI_2_2013
LC081155_1_SAPOVIRUS_OH12009_GI_2_2012
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Datamonkey is funded jointly by MIDAS and NIH award R01 GM093939





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