**Table S1.** List of the best fitting-models for the nucleotide phylogenetic analyses according to BIC value. The lower the BIC value, the better the model fits with the data. AIK, Akaike Information Criterion; BIC, Bayesian Information Criterion; INL, Natural log likelihood.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model  | lNL  | AIC  | AICc  | BIC  |
| TIM+I+G  | -27348.31368  | 54712.62736  | 54712.8677607  | 54747.9087591  |
| TrN+I+G  | -27355.2452  | 54724.4904  | 54724.6770667  | 54755.3616242  |
| GTR+I+G  | -27347.43909  | 54714.87818  | 54715.2466892  | 54758.9799288  |
| K81uf+I+G  | -27396.63346  | 54807.26692  | 54807.4535867  | 54838.1381442  |
| HKY+I+G  | -27404.24135  | 54820.4827  | 54820.6224671  | 54846.9437493  |
| TVM+I+G  | -27394.99722  | 54807.99444  | 54808.2954433  | 54847.6860139  |
| TIM+G  | -27405.78878  | 54825.57756  | 54825.7642267  | 54856.4487842  |
| TrN+G  | -27411.62272  | 54835.24544  | 54835.3852071  | 54861.7064893  |
| GTR+G  | -27404.69273  | 54827.38546  | 54827.6864633  | 54867.0770339  |
| K81uf+G  | -27446.11864  | 54904.23728  | 54904.3770471  | 54930.6983293  |
| HKY+G  | -27453.17046  | 54916.34092  | 54916.4405878  | 54938.3917944  |
| TVM+G  | -27444.83693  | 54905.67386  | 54905.9142607  | 54940.9552591  |
| SYM+I+G  | -27909.2377  | 55832.4754  | 55832.6620667  | 55863.3466242  |
| SYM+G  | -27971.29972  | 55954.59944  | 55954.7392071  | 55981.0604893  |
| TrNef+I+G  | -28018.26796  | 56044.53592  | 56044.602255  | 56062.1766195  |
| TIMef+I+G  | -28018.26073  | 56046.52146  | 56046.6211278  | 56068.5723344  |
| TrNef+G  | -28081.77954  | 56169.55908  | 56169.5988151  | 56182.7896046  |
| TIMef+G  | -28081.73505  | 56171.4701  | 56171.536435  | 56189.1107995  |
| TVMef+I+G  | -28126.97001  | 56265.94002  | 56266.0797871  | 56292.4010693  |
| TVMef+G  | -28179.47161  | 56368.94322  | 56369.0428878  | 56390.9940944  |
| K80+I+G  | -28232.49492  | 56470.98984  | 56471.0295751  | 56484.2203646  |
| K81+I+G  | -28232.47155  | 56472.9431  | 56473.009435  | 56490.5837995  |
| K80+G  | -28286.95197  | 56577.90394  | 56577.9237747  | 56586.7242898  |
| K81+G  | -28286.9476  | 56579.8952  | 56579.9349351  | 56593.1257246  |
| F81+I+G  | -29494.62578  | 58999.25156  | 58999.3512278  | 59021.3024344  |
| F81+G  | -29549.26104  | 59106.52208  | 59106.588415  | 59124.1627795  |
| JC+I+G  | -29606.96222  | 59217.92444  | 59217.9442747  | 59226.7447898  |
| JC+G  | -29657.59725  | 59317.1945  | 59317.2011007  | 59321.6046749  |
| SYM+I  | -30205.50541  | 60423.01082  | 60423.1505871  | 60449.4718693  |
| GTR+I  | -30244.99657  | 60507.99314  | 60508.2941433  | 60547.6847139  |
| TIM+I  | -30346.90562  | 60707.81124  | 60707.9979067  | 60738.6824642  |
| TrN+I  | -30350.58853  | 60713.17706  | 60713.3168271  | 60739.6381093  |
| TVM+I  | -30436.74696  | 60889.49392  | 60889.7343207  | 60924.7753191  |
| TrNef+I  | -30494.24549  | 60994.49098  | 60994.5307151  | 61007.7215046  |
| TIMef+I  | -30494.16869  | 60996.33738  | 60996.403715  | 61013.9780795  |
| TVMef+I  | -30516.54577  | 61043.09154  | 61043.1912078  | 61065.1424144  |
| K81uf+I  | -30543.65254  | 61099.30508  | 61099.4448471  | 61125.7661293  |
| HKY+I  | -30548.21657  | 61106.43314  | 61106.5328078  | 61128.4840144  |
| K80+I  | -30799.77759  | 61603.55518  | 61603.5750147  | 61612.3755298  |
| K81+I  | -30799.56789  | 61605.13578  | 61605.1755151  | 61618.3663046  |
| JC+I  | -32005.11367  | 64012.22734  | 64012.2339407  | 64016.6375149  |
| F81+I  | -32145.88992  | 64299.77984  | 64299.846175  | 64317.4205395  |
| SYM  | -32172.57059  | 64355.14118  | 64355.2408478  | 64377.1920544  |
| GTR  | -32309.9915  | 64635.983  | 64636.2234007  | 64671.2643991  |
| TIM  | -32419.87145  | 64851.7429  | 64851.8826671  | 64878.2039493  |
| TrN  | -32427.1851  | 64864.3702  | 64864.4698678  | 64886.4210744  |
| TVMef  | -32467.34254  | 64942.68508  | 64942.751415  | 64960.3257795  |
| TrNef  | -32491.4662  | 64986.9324  | 64986.9522347  | 64995.7527498  |
| TIMef  | -32490.40571  | 64986.81142  | 64986.8511551  | 65000.0419446  |
| TVM  | -32524.97601  | 65063.95202  | 65064.1386867  | 65094.8232442  |
| K81uf  | -32641.29106  | 65292.58212  | 65292.6817878  | 65314.6329944  |
| HKY  | -32649.67244  | 65307.34488  | 65307.411215  | 65324.9855795  |
| K80  | -32786.48039  | 65574.96078  | 65574.9673807  | 65579.3709549  |
| K81  | -32785.15545  | 65574.3109  | 65574.3307347  | 65583.1312498  |
| JC  | -33919.74979  | 67839.49958  | 67839.49958  | 67839.49958  |
| F81  | -34124.66017  | 68255.32034  | 68255.3600751  | 68268.5508646  |