|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model** | **#Param** | **BIC** | **AICc** | **lnL** | **Invariant** | **Gamma** | **R** | **Freq A** | **Freq T** | **Freq C** | **Freq G** |
| HKY+G | 36 | 8363.4 | 8105.6 | -4016.6 | n/a | 0.28 | 1.96 | 0.14 | 0.47 | 0.12 | 0.27 |
| HKY+G+I | 37 | 8363.7 | 8098.7 | -4012.2 | 0.32 | 0.63 | 1.85 | 0.14 | 0.47 | 0.12 | 0.27 |
| TN93+G+I | 38 | 8367.3 | 8095.1 | -4009.4 | 0.32 | 0.69 | 1.71 | 0.14 | 0.47 | 0.12 | 0.27 |
| TN93+G | 37 | 8367.7 | 8102.7 | -4014.2 | n/a | 0.29 | 1.83 | 0.14 | 0.47 | 0.12 | 0.27 |
| GTR+G+I | 41 | 8394.0 | 8100.4 | -4009.0 | 0.34 | 0.76 | 1.65 | 0.14 | 0.47 | 0.12 | 0.27 |
| GTR+G | 40 | 8395.0 | 8108.5 | -4014.1 | n/a | 0.29 | 1.79 | 0.14 | 0.47 | 0.12 | 0.27 |
| TN93+I | 37 | 8453.4 | 8188.4 | -4057.0 | 0.46 | n/a | 1.13 | 0.14 | 0.47 | 0.12 | 0.27 |
| HKY+I | 36 | 8457.3 | 8199.4 | -4063.6 | 0.46 | n/a | 1.15 | 0.14 | 0.47 | 0.12 | 0.27 |
| GTR+I | 40 | 8468.1 | 8181.6 | -4050.6 | 0.46 | n/a | 1.15 | 0.14 | 0.47 | 0.12 | 0.27 |
| T92+G+I | 35 | 8808.1 | 8557.4 | -4243.6 | 0.38 | 1.43 | 1.43 | 0.31 | 0.31 | 0.19 | 0.19 |
| T92+G | 34 | 8810.1 | 8566.6 | -4249.2 | n/a | 0.40 | 1.43 | 0.31 | 0.31 | 0.19 | 0.19 |
| T92+I | 34 | 8824.4 | 8580.9 | -4256.3 | 0.46 | n/a | 1.15 | 0.31 | 0.31 | 0.19 | 0.19 |
| JC+G+I | 33 | 8860.0 | 8623.6 | -4278.7 | 0.40 | 2.21 | 0.50 | 0.25 | 0.25 | 0.25 | 0.25 |
| K2+G+I | 34 | 8863.4 | 8619.9 | -4275.8 | 0.38 | 1.48 | 1.52 | 0.25 | 0.25 | 0.25 | 0.25 |
| JC+G | 32 | 8865.4 | 8636.2 | -4286.0 | n/a | 0.45 | 0.50 | 0.25 | 0.25 | 0.25 | 0.25 |
| K2+G | 33 | 8865.4 | 8629.0 | -4281.4 | n/a | 0.41 | 1.52 | 0.25 | 0.25 | 0.25 | 0.25 |
| K2+I | 33 | 8869.4 | 8633.0 | -4283.4 | 0.47 | n/a | 1.22 | 0.25 | 0.25 | 0.25 | 0.25 |
| JC+I | 32 | 8882.0 | 8652.8 | -4294.3 | 0.46 | n/a | 0.50 | 0.25 | 0.25 | 0.25 | 0.25 |
| TN93 | 36 | 9005.8 | 8748.0 | -4337.8 | n/a | n/a | 0.88 | 0.14 | 0.47 | 0.12 | 0.27 |
| GTR | 39 | 9006.2 | 8726.9 | -4324.3 | n/a | n/a | 0.89 | 0.14 | 0.47 | 0.12 | 0.27 |
| HKY | 35 | 9022.0 | 8771.3 | -4350.5 | n/a | n/a | 0.87 | 0.14 | 0.47 | 0.12 | 0.27 |
| T92 | 33 | 9290.8 | 9054.4 | -4494.1 | n/a | n/a | 1.15 | 0.31 | 0.31 | 0.19 | 0.19 |
| JC | 31 | 9321.1 | 9099.1 | -4518.4 | n/a | n/a | 0.50 | 0.25 | 0.25 | 0.25 | 0.25 |
| K2 | 32 | 9323.5 | 9094.3 | -4515.0 | n/a | n/a | 1.22 | 0.25 | 0.25 | 0.25 | 0.25 |