**Table 1. Akaike information criterion (AIC), difference (ΔAIC) from the null scenario (no transitions) and AIC weights for each scenario.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Transition scenarios\* | **Hinchliff and Roalson (2013)** | | | **Spalink et al. (2016)** | | |
| **AIC** | **ΔAIC** | **AIC weight** | **AIC** | **ΔAIC** | **AIC weight** |
| Null | 1489.68 | 0 | 3.14e−07 | 893.62 | 0 | 5.75e−08 |
| 1 | 1475.69 | −13.99 | 3.42e−04 | 888.30 | −5.32 | 8.24e−07 |
| 2 | 1482.08 | −7.60 | 1.40e−05 | 868.56 | −25.06 | 1.59e−02 |
| 3 | 1476.05 | −13.63 | 2.85e−04 | 890.50 | −3.12 | 2.74e−07 |
| 4 | 1490.14 | 0.46 | 2.49e−07 | 891.35 | −2.27 | 1.80e−07 |
| 1,2 | 1476.63 | −13.05 | 2.14e−04 | 867.78 | −25.84 | 2.36e−02 |
| 1,3 | 1464.80 | −24.88 | 7.92e−02 | 884.64 | −8.98 | 5.15e−06 |
| 1,4 | 1472.07 | −17.61 | 2.10e−03 | 883.46 | −10.16 | 9.28e−06 |
| 2,3 | 1469.97 | −19.71 | 5.98e−03 | ***861.28*** | ***−32.34*** | ***6.07e−01*** |
| 2,4 | 1483.22 | −6.46 | 7.95e−06 | 870.72 | −22.90 | 5.42e−03 |
| 3,4 | 1475.37 | −14.31 | 4.02e−04 | 889.07 | −4.55 | 5.60e−07 |
| 1,2,3 | 1465.74 | −23.94 | 4.96e−02 | 864.11 | −29.51 | 1.48e−01 |
| 1,2,4 | 1472.60 | −17.08 | 1.60e−03 | 870.88 | −22.74 | 4.99e−03 |
| 1,3,4 | ***1461.18*** | ***−28.50*** | ***4.85e−01*** | 879.79 | −13.83 | 5.80e−05 |
| 2,3,4 | 1470.86 | −18.82 | 3.82e−03 | 863.89 | −29.73 | 1.64e−01 |
| 1,2,3,4 | **1461.71** | **−27.97** | **3.71e−01** | 867.22 | −26.40 | 3.12e−02 |

The best scoring scenario is indicated with bold italics. AIC score within 2 units of the best scoring scenario is in bold.

\*Each number corresponds to a transition in the mode of chromosome evolution for the respective clade.

|  |  |  |
| --- | --- | --- |
| Node | **Hinchliff and Roalson (2013)** | **Spalink et al. (2016)** |
| 1 | **0.989** | 0.207 |
| 2 | 0.432 | **1.000** |
| 3 | **0.996** | **0.950** |
| 4 | **0.864** | 0.206 |

**Table 2. Importance weights for each node.**