**Table S4** Log-likelihood and Akaike information criterion (AIC) score estimates for the dataset analyzed by the ChromEvol.

|  |  |  |
| --- | --- | --- |
| Model | Log-likelihood | AIC |
| CONST\_RATE | -57.43 | 120.9 |
| CONST\_RATE\_DEMI | -32.8 | 71.6 |
| CONST\_RATE\_DEMI\_EST | -32.6 | 73.2 |
| CONST\_RATE\_NO\_DUPL | -74.17 | 152.3 |
| LINEAR\_RATE | -65.5 | 141 |
| LINEAR\_RATE\_DEMI | -66.35 | 142.7 |
| LINEAR\_RATE\_DEMI\_EST | -65.91 | 143.8 |
| LINEAR\_RATE\_NO\_DUPL | -68.46 | 144.9 |
| BASE\_NUMBER | -29.84 | 69.67 |
| BASE\_NUMBER\_NO\_DUPL | -29.96 | 67.93 |