**Table S2** Best substitution models for the five loci used in the Bayesian analyses.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Model** | **Parameters** | **BIC** | **AICc** | ***lnL*** | **(+*I*)a** | **(+*G*)b** | ***R*c** |
| CAD | HKY+G | 52 | 7063.544 | 6649.751 | -3272.75 | n/a | 0.68 | 1.09 |
| CHS | HKY+I | 50 | 6899.412 | 6509.124 | -3204.42 | 0.66 | n/a | 1.08 |
| matK | HKY | 37 | 2909.655 | 2633.188 | -1279.49 | n/a | n/a | 1.89 |
| ndhF-rpl32 | GTR+G | 60 | 3199.41 | 2748.42 | -1313.94 | n/a | 0.48 | 0.52 |
| rpl32-trnL | HKY+G | 46 | 3522.231 | 3181.719 | -1544.68 | n/a | 0.31 | 0.49 |

aProportion of the invariable sites;

bModeling of discrete gamma distribution;

cTransition/transversion bias;

HKY: Hasegawa-Kishino-Yano model

GTR: general time reversible model