

S4 Table. Selection for the “best” population model

| number of clades | number of sequences | df | RSS | AIC | delta AIC | BIC | delta BIC | |
|------------------|---------------------|----|---------|---------|-----------|--------|-----------|------------|
| 3 | 162 | 2 | 1020.57 | 1950.55 | 91.56 | 308.34 | 85.39 | |
| 4 | 162 | 3 | 897.93 | 1931.81 | 72.82 | 292.69 | 69.74 | |
| 5 | 162 | 4 | 565.79 | 1858.98 | 0 | 222.95 | 0 | best model |
| 6 | 162 | 5 | 577.22 | 1864.22 | 5.24 | 231.28 | 8.33 | |

RSS = error sum of squares (derived from AMOVA)