

Pairwise No. of Differences

Input Data File: C:\...\mousquito\AL-3.meg
Number of sequences: 29 Number of sequences used: 29
Selected region: 1-917 Number of sites: 917
Total number of sites (excluding sites with gaps / missing data): 390

Number of polymorphic (segregating) sites, S: 237

Observed values:

Nucleotide diversity, Pi: 0.10724
Average Number of Pairwise Differences, k: 41.825
Observed variance of k: 4642.3767
Observed C.V. of k: 1.6431
Raggedness statistic r: 0.0152
Mean Absolute Error, MAE: 1.2278
Ramos-Onsins and Rozas, R2 statistic: 0.0868

Expected values:

Expected Total variance of k (no recombination), V(k): 349.405
Expected C.V. of k (no recombination): 0.4469
Expected Stochastic variance of k (no recombination), Vst(k): 325.039
Expected Sampling variance of k (no recombination), Vs(k): 24.366

Expected Total variance of k (free recombination), V(k): 14.938
Expected C.V. of k (free recombination): 0.0924
Expected Stochastic variance of k (free recombination), Vst(k): 13.942
Expected Sampling variance of k (free recombination), Vs(k): 0.996

Parameters Estimation by letting Theta Final as infinite

Estimate of Theta Initial: 67.827
Estimate of Tau: 0.000

==== Expected Values for Constant Population Size =====