Additional file 3 – Substitution models per gene and partitions selected by AIC

Nucleotide substitution models selected by AIC for a 48 taxa matrix used for phylogenetic analyses, and a 34 taxa matrix under different partitions used for lineage age estimations (see Methods for details).

gene	Model (48 taxa)	Model (34 taxa)
cox1	TIM3+I+G	TIM3+I+G
nad1	GTR+I+G	TIM2+I+G
h3	K80+G	HKY+I+G
12S	GTR+I+G	GTR+I+G
16S-L1	TIM2+I+G	TIM2+I+G
18S	TPM2+I	TMP2+I
28S	GTR+I+G	GTR+I+G
cox1 1st and 2nd positions	TVM+I+G	TVM+I+G
cox1 3rd position	TIM1+I+G	TrN+I+G
nad1 1st and 2nd positions	TrN+I+G	TrN+I+G
nad1 3rd position	TIM2+G	TIM1+G
h3 1st and 2nd positions	TrN+G	TIM2+I
h3 3rd position	K80+G	TPM1+G