

Table S2: Best partitioning scheme and best-fitting models selected of mitochondrial 13 PCGs

Nucleotide Aequence Alignments		
Subset	Best Model	Partition names
1	GTR+I+G	<i>cytb_codon1, atp6_codon1</i>
2	TVM+I+G	<i>cytb_codon2, atp6_codon2, nad3_codon2</i>
3	TVM+G	<i>cox2_codon3, atp6_codon3</i>
4	GTR+I+G	<i>atp8_codon2, nad3_codon1, atp8_codon1, nad6_codon1</i>
5	GTR+G	<i>atp8_codon3, nad6_codon3</i>
6	GTR+I+G	<i>cox1_codon1, cox3_codon1</i>
7	TVM+I+G	<i>cox2_codon2, cox3_codon2, cox1_codon2</i>
8	GTR+I+G	<i>nad3_codon3, cox1_codon3</i>
9	GTR+I+G	<i>cox2_codon1</i>
10	GTR+I+G	<i>cox3_codon3, cytb_codon3</i>
11	GTR+I+G	<i>nad4_codon1, nad5_codon1, nad4l_codon1, nad1_codon1</i>
12	GTR+I+G	<i>nad4l_codon2, nad1_codon2, nad4_codon2, nad5_codon2</i>
13	TVM+I+G	<i>nad4_codon3, nad1_codon3, nad4l_codon3</i>
14	GTR+I+G	<i>nad2_codon1</i>
15	GTR+I+G	<i>nad6_codon2, nad2_codon2</i>
16	TRN+G	<i>nad2_codon3</i>
17	TRN+I+G	<i>nad5_codon3</i>