**Supp. file 6.** Best Partitioning scheme for the COI sequences used for species delimitation analysis. <https://doi.org/10.5852/ejt.2023.890.2249.9643>

Scheme Name : step\_2

Scheme lnL : -9287.03515625

Scheme AICc : 19079.8684776

Number of params : 179

Number of sites : 616

Number of subsets : 3

Subset | Best Model | # sites | subset id | Partition names

1 | JC+I | 206 | c39548286a123e6142d647445e846f11 | COI\_1stpos

2 | HKY+G | 205 | 762bc70f812d627d5de01b1e7041c9d8 | COI\_2ndpos

3 | K80+G | 205 | 3e7a8ac262c3c2f4cb37b0f990e74d0e | COI\_3rdpos

Scheme Description in PartitionFinder format

Scheme\_step\_1 = (COI\_1stpos) (COI\_2ndpos) (COI\_3rdpos);

Nexus formatted character sets

begin sets;

 charset Subset1 = 1-616\3;

 charset Subset2 = 2-616\3;

 charset Subset3 = 3-616\3;

 charpartition PartitionFinder = Group1:Subset1, Group2:Subset2, Group3:Subset3;

end;