**Table S****3:**

**Best partitioning scheme and best-fit substitution model selected by PartitionFinder.**

|  |  |
| --- | --- |
| Partition | Model |
| COI 1 | GTR + I+ G |
| COI 2, NaK 2, PEPCK 2 | GTR + I+ G |
| COI 3 | GTR + G |
| NaK 1, PEPCK 1 | GTR + I+ G |
| NaK 3, PEPCK 3 | GTR + G |
| 16S rRNA | GTR + I+ G |