**Table S2.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Partitioning strategy** | **Arctiina** | **Calisto** | **Choreutidae** | **Coenonymphina** | **Geometridae** | **Morpho** | **Noctuidae** | **Pieridae** |
| Gene | 8 | 6 | 8 | 5 | 8 | 8 | 8 | 8 |
| GeneGr | 3 | 4 | 4 | 4 | 6 | 4 | 6 | 5 |
| Codon | 24 | 18 | 24 | 15 | 24 | 24 | 24 | 24 |
| CodonGr | 9 | 7 | 10 | 9 | 15 | 7 | 12 | 12 |
| TIG1.5 | 4 | 4 | 3 | 4 | 7 | 2 | 4 | 6 |
| TIG2.0 | 5 | 6 | 5 | 5 | 10 | 3 | 6 | 8 |
| TIG2.5 | 7 | 7 | 6 | 7 | 13 | 4 | 8 | 11 |
| TIG3.0 | 8 | 9 | 7 | 8 | 15 | 5 | 9 | 13 |
| TIG3.5 | 10 | 10 | 8 | 9 | 18 | 5 | 11 | 16 |
| TIG3.5Gr | 6 | 5 | 6 | 6 | 12 | 4 | 7 | 10 |
| TIG4.0 | 11 | 12 | 9 | 11 | 21 | 6 | 13 | 18 |
| TIG4.0Gr | 5 | 6 | 6 | 7 | 12 | 4 | 6 | 9 |
| TIG4.5 | 12 | 13 | 10 | 12 | 24 | 7 | 14 | 20 |
| TIG4.5Gr | 5 | 7 | 6 | 7 | 16 | 4 | 6 | 8 |