**Table S4.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Dataset** | **RFD**  **value** | **No. internal branches** | **% internal branches different** |
| Choreutidae | 2 | 38 | 5% |
| Pieridae | 6 | 107 | 6% |
| *Morpho* | 4 | 28 | 14% |
| Arctiina | 22 | 110 | 20% |
| *Calisto* | 20 | 87 | 23% |
| Noctuidae | 18 | 75 | 24% |
| Coenonymphina | 16 | 66 | 24% |
| Geometridae | 58 | 161 | 36% |