**Supplemental Table S4:**

**Speciation rates (S) per million years (Myr), extinction rates (E) per Myr, and rate of turnover (R) per Myr, for each stage across all cephalopods, with species that occur in a single stage excluded, and species richness values, species carryover from the previous stage, new species originating in the stage, No (the initial number of species), Nf (the final number of species), and duration (in Myr) also given.**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Stage** | **Species Richness** | **Species Carryover** | **New Species** | **No** | **Nf** | **Duration** | **R** | **S** | **E** |
| Wolfcampian | 7 | 7 | 0 | 7 | 7 | 14 |  | 0 |  |
| Virgilian | 33 | 32 | 1 | 32 | 33 | 5 | -0.3040 | 0.0062 | 0*.*3101 |
| Missourian | 40 | 33 | 7 | 33 | 40 | 3 | -0.0103 | 0.0641 | 0.0744 |
| Desmoinesian | 35 | 12 | 23 | 12 | 35 | 3 | 0.3372 | 0.3568 | 0.0196 |
| Atokan | 14 | 7 | 7 | 7 | 14 | 2 | 0.2694 | 0.3466 | 0.0771 |
| Morrowan | 7 | 0 | 7 | 0 | 7 | 6 |  |  |  |