Supplementary Material

**Evolution of Chi motifs in Proteobacteria**

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**Table S4.** Number of species identified with Chi motifs across Markov models (830 motifs searched).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Markov model** | **Number of species** | **Proteobacteria** | **%** | **Terrabacteria** | **%** |
| M0 | 0 | 0 | 0 | 0 | 0 |
| M1 | 0 | 0 | 0 | 0 | 0 |
| M2 | 40 | 27 | 67,5 | 13 | 32,5 |
| M3 | 14 | 7 | 50 | 7 | 50 |
| M4 | 6 | 3 | 50 | 3 | 50 |
| M5 | 11 | 10 | 90,9 | 1 | 9,1 |