|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Crown node** | **Single-clock tree**  (mean and 95% HPD) | **Multi-Clock tree**  (mean and 95% HPD) | **Genomic estimate**  [ref 9: Fig. S1] | **Fossil-based dating**  [Ref 6: Tab. 1] |
| Mammals | 195.62  (177.36-215.12) | 204.05  (192.46-214.6) | ~173 | 166.2 |
| Monotremes | 44.78  (14.41-68.74) | 60.84  (40.26-75.46) | ~56 | 20 |
| Marsupials | 56.61  (40.21-80.56) | 44.9  (32.1-61.59) | ~76 | 64.85 |
| Placentals | 127.71  (114.3-143.64) | 164.85  (154.42, 177.16) | ~89 | 64.85 |
| Afrotheria | 102.05  (87.56-116.34) | 149.75  (140.92- 163.31) | ~70 | 64.85 |
| Xenarthra | 84.78  (68.56-106.89) | 125.86  (103.89-146.76) | ~69 | 58.3 |
| Euarchontoglires | 115.08  (103.94-131.71) | 149.41  (137.39-163.86) | ~76 | 64.85 |
| Laurasiatheria | 117.06  (103.19-134.89) | 157.58  (147.83-166.51) | ~76 | 64.85 |

**File\_C12**. Comparison of divergence dates obtained from the single-clock and multi-clock analyses, and two previous studies [6,9]. Numerical dates were not published in [9] so approximate dates were retrieved from a detailed time-tree (Figure S1) and are thus shown as estimated (e.g. ~56).