**Table 1. Results summarizing NALMA ages and duration, various diversity and turnover metrics, and indices of phylogenetic clustering for each NALMA.** Ntot, total number of genera; Ne, total number of extinctions; No, total number of originations; q, per-capita extinction rate; p, per-capita origination rate; RCL, index of phylogenetic clustering; ICL, Moran’s I. Bold = significant excursions.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **NALMA** | **Max. Age (Ma)** | **Min. Age (Ma)** | **Duration (Ma)** | **Ntot** | **Ne** | **No** | **q** | **p** | **Rcl for Extinctions** | **ICL for Extinctions** | **Rcl for Originations** | **ICL for Originations** |
| Lancian | 68 | 66 | 2 | 93 | 22 | 42 | 0.282 | 0.448 | **0.0650** | **0.2493** | 0.0018 | **0.2593** |
| Puercan | 66 | 63.3 | 2.7 | 181 | 55 | 92 | 0.221 | 0.350 | **0.1337** | **0.2466** | -0.0437 | **0.1166** |
| Torrejonian | 63.3 | 61.7 | 1.6 | 200 | 50 | 98 | 0.272 | 0.513 | **0.0531** | **0.2420** | 0.0157 | 0.0373 |
| Tiffanian | 61.7 | 56.8 | 4.9 | 250 | 89 | 85 | 0.108 | 0.103 | 0.0051 | 0.0489 | **0.0407** | **0.1360** |
| Clarkforkian | 56.8 | 55.8 | 1 | 255 | 78 | 118 | **0.809** | **1.065** | 0.0031 | 0.0097 | 0.0011 | **0.0986** |
| Wasatchian | 55.8 | 50.3 | 5.5 | 382 | 105 | 173 | 0.073 | 0.124 | 0.0087 | **0.0581** | -0.0185 | 0.0322 |
| Bridgerian | 50.3 | 46.2 | 4.1 | 388 | 145 | 155 | 0.181 | 0.191 | 0.0053 | **0.0493** | -0.0195 | 0.0249 |
| Uintan | 46.2 | 40.4 | 5.8 | 450 | 163 | 181 | 0.101 | 0.112 | -0.0063 | **0.0941** | -0.0202 | **0.0610** |
| Duchesnean | 40.4 | 37.2 | 3.2 | 369 | 133 | 119 | 0.207 | 0.189 | 0.0000 | **0.1061** | 0.0076 | 0.0405 |
| Chadronian | 37.2 | 33.9 | 3.3 | 383 | 156 | 120 | 0.200 | 0.155 | -0.0039 | **0.1347** | 0.0044 | **0.0888** |
| Orellan | 33.9 | 33.3 | 0.6 | 253 | 100 | 68 | **1.146** | **0.830** | 0.0135 | **0.1424** | 0.0154 | **0.1011** |
| Whitneyan | 33.3 | 30.8 | 2.5 | 302 | 52 | 154 | 0.141 | 0.351 | 0.0004 | 0.0312 | 0.0081 | **0.0646** |
| Arikareean | 30.8 | 20.43 | 10.37 | 702 | 178 | 406 | 0.047 | 0.103 | **0.0091** | **0.0690** | -0.0033 | 0.0168 |
| Hemingfordian | 20.43 | 15.97 | 4.46 | 582 | 182 | 99 | 0.092 | 0.050 | 0.0180 | **0.0652** | -0.0074 | -0.0016 |
| Barstovian | 15.97 | 13.6 | 2.37 | 501 | 132 | 101 | 0.140 | 0.106 | 0.0077 | 0.0270 | -0.0006 | 0.0176 |
| Clarendonian | 13.6 | 10.3 | 3.3 | 484 | 83 | 130 | 0.066 | 0.103 | 0.0077 | 0.0136 | 0.0016 | -0.0032 |
| Hemphillian | 10.3 | 4.9 | 5.4 | 671 | 262 | 205 | 0.128 | 0.104 | 0.0068 | **0.0448** | 0.0104 | **0.0569** |
| Blancan | 4.9 | 1.8 | 3.1 | 567 | 210 | 171 | 0.212 | 0.179 | 0.0083 | **0.0742** | 0.0052 | **0.0372** |
| Irvingtonian | 1.8 | 0.3 | 1.5 | 359 | 118 | 42 | 0.265 | 0.082 | -0.0009 | **0.0628** | 0.0034 | **0.0509** |
| Rancholabrean | 0.3 | 0.011 | 0.289 | 274 | 112 | 56 | **1.980** | **0.953** | -0.0207 | -0.0019 | 0.0168 | **0.0782** |