**Supplemental Table 6. Mean Isotope Data by Periods of Site Development.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Late to Terminal Preclassic 400 B.C.–A.D. 250 a** | **Early to Middle Classic A.D. 251-675 b** | **Late Classic A.D. 675-810 c** | **Terminal Classic A.D. 810–900 d** | **Early Postclassic A.D. 900–1200 e** | **Kruskal Wallis *H*, df, *p* value f** |
| ***δ*13Ccol**  | −13.5 (1)  | −10.0 (8) | −10.3 (2) | −10.5 (6) | −12.1 (7) | ***8.296, 3, 0.04*** |
| **SD** |  | 1.4 | 1.8 | 1.6 | 1.3 |  |
| ***δ*15Ncol**  | +10.7 (1) | +8.3 (8) | +9.0 (2) | +9.2 (6) | +9.2 (7) | 5.309, 3, 0.15 |
| **SD** |  | 0.7 | 0.4 | 0.7 | 0.4 |  |
| ***δ*13Csc**  | −5.3 (1) | −4.6 (12) | −4.8 (3) | −4.6 (6) | −6.1 (7) | 4.136, 3, 0.25 |
| **SD** |  | 1.9 | 1.6 | 1.7 | 0.8 |  |
| ***Δ*13Csc-col** | 8.2 (1)  | 5.1 (8) | 6.4 (2) | 5.8 (5) | 6 (7) | 1.47, 3, 0.69 |
| **SD** |  | 1.4 | 1.7 | 2.8 | 1.1 |  |
| **F1**  | 0.18 (1)  | 2.3 (8) | 2.57 (2) | 2.10 (5) | 0.56 (7) | 6.398, 3, 0.09 |
| **SD** |  | 1.5 | 1.5 | 1.4 | 1.1 |  |
| **F2**  | −1.76 (1) | −2.9 (8) | −2.97 (2) | −2.58 (5) | −2.19 (7) | 3.553, 3, 0.314 |
| **SD** |  | 1.0 | 0.4 | 0.8 | 0.3 |  |
| *Note:* In all columns, the number in parentheses indicates the size of the sample.  |  |  |
| a Early development and growth of population; early agriculture and terrace construction |  |
| b Expansion of community; increasing development of periphery; increasing social stratification; expansion of agricultural terraces. |
| c Development of epicentral royal court complex; largest degree of social stratification; expansion of water management systems and agricultural terraces. |
| d Demise of royal court; “Maya collapse”; long-standing family groups remain. |  |  |
| e Small groups remain at site. |  |  |  |  |  |
| f Time periods with only one sample were not included in the Kruskal Wallis comparison. Results shown in bold italics are statistically significant. |
|  |  |  |  |  |  |  |