

**Supplementary Material for:**

**Prehistoric Bronze Age Radiocarbon Chronology at Politiko-Troullia, Cyprus**

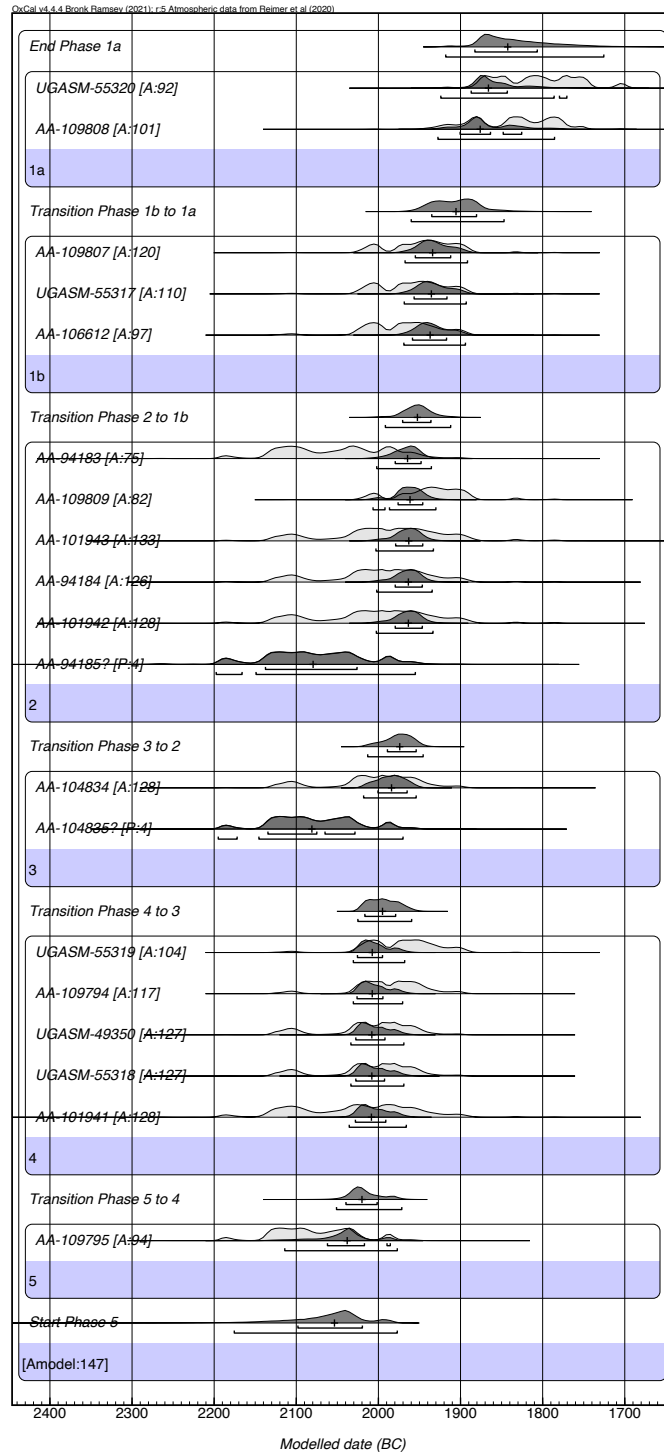
Steven E. Falconer, Elizabeth Ridder, Suzanne E. Pilaar Birch & Patricia L. Fall

Supplementary Tables 1-6 and Supplementary Figures 1-3.

**Supplementary Table 1.** (2 pages) OxCal output for Model 1: Bayesian sequencing of calibrated radiocarbon ages for 25 seed and charcoal samples from Politiko-Troullia, Cyprus based on OxCal 4.4.4 (Bronk Ramsey 2009a) using the IntCal20 atmospheric curve (Reimer et al. 2020; van der Plicht et al. 2020). Two ages (AA-94185, AA-104835) are excluded as statistical outliers based on  $A \leq 60$ .

| Name               | Unmodelled (BC/AD) |       |      | Modelled (BC/AD) |       |      | Indices |  |       | Select | Page break  |                                     |                                     |                          |                          |      |                                     |    |                          |
|--------------------|--------------------|-------|------|------------------|-------|------|---------|--|-------|--------|-------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|------|-------------------------------------|----|--------------------------|
|                    | from               | to    | %    | from             | to    | %    | m       | from   | to    |        |             | %                                   | m                                   | A <sub>comb</sub>        | A                        | L    | P                                   | C  |                          |
| Show all structure |                    |       |      |                  |       |      |         | A <sub>model</sub> =153.7<br>A <sub>overall</sub> =153.3 |       |        | All Visible |                                     |                                     |                          |                          |      |                                     |    |                          |
| Boundary           |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| End Phase 1a       |                    |       |      | -1882            | -1800 | 68.3 | -1923   | -1718  | 95.4  | -1839  |             | 96.9                                | <input checked="" type="checkbox"/> | 40                       | <input type="checkbox"/> |      |                                     |    |                          |
| R_Date             | -1876              | -1749 | 68.3 | -1884            | -1700 | 95.4 | -1808   | -1889  | -1841 | 68.3   | -1928       | -1773                               | 95.4                                | -1866                    | 91.2                     | 99.4 | <input checked="" type="checkbox"/> | 39 | <input type="checkbox"/> |
| UGAMS-55320        |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -1894              | -1774 | 68.3 | -1931            | -1751 | 95.4 | -1833   | -1922  | -1832 | 68.3   | -1935       | -1786                               | 95.4                                | -1880                    | 95.7                     | 99.8 | <input checked="" type="checkbox"/> | 38 | <input type="checkbox"/> |
| AA-109808          |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| ▲ Phase 1a         |                    |       |      |                  |       |      |         |  |       |        |             | <input checked="" type="checkbox"/> | 37                                  | <input type="checkbox"/> |                          |      |                                     |    |                          |
| Boundary           |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| Transition         |                    |       |      | -1956            | -1909 | 68.3 | -1965   | -1879  | 95.4  | -1931  |             | 99.4                                | <input checked="" type="checkbox"/> | 36                       | <input type="checkbox"/> |      |                                     |    |                          |
| Phase 1b to 1a     |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -2008              | -1781 | 68.3 | -2031            | -1751 | 95.4 | -1909   | -1963  | -1930 | 68.3   | -1976       | -1901                               | 95.4                                | -1945                    | 116.5                    | 99.7 | <input checked="" type="checkbox"/> | 35 | <input type="checkbox"/> |
| AA-101939          |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -2008              | -1899 | 68.3 | -2026            | -1884 | 95.4 | -1944   | -1963  | -1932 | 68.3   | -1976       | -1906                               | 95.4                                | -1946                    | 121.6                    | 99.8 | <input checked="" type="checkbox"/> | 34 | <input type="checkbox"/> |
| AA-109807          |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -2019              | -1900 | 68.3 | -2125            | -1785 | 95.4 | -1958   | -1965  | -1932 | 68.3   | -1977       | -1907                               | 95.4                                | -1947                    | 127.2                    | 99.8 | <input checked="" type="checkbox"/> | 33 | <input type="checkbox"/> |
| AA-94182           |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -2016              | -1925 | 68.3 | -2026            | -1891 | 95.4 | -1955   | -1963  | -1934 | 68.3   | -1977       | -1911                               | 95.4                                | -1948                    | 122.3                    | 99.8 | <input checked="" type="checkbox"/> | 32 | <input type="checkbox"/> |
| UGAMS-51988        |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -2018              | -1905 | 68.3 | -2027            | -1890 | 95.4 | -1956   | -1964  | -1933 | 68.3   | -1977       | -1909                               | 95.4                                | -1948                    | 122.4                    | 99.8 | <input checked="" type="checkbox"/> | 31 | <input type="checkbox"/> |
| UGAMS-55317        |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -2021              | -1932 | 68.3 | -2033            | -1891 | 95.4 | -1967   | -1964  | -1935 | 68.3   | -1978       | -1910                               | 95.4                                | -1949                    | 116                      | 99.8 | <input checked="" type="checkbox"/> | 30 | <input type="checkbox"/> |
| AA-106612          |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -2026              | -1943 | 68.3 | -2113            | -1896 | 95.4 | -1979   | -1966  | -1936 | 68.3   | -1980       | -1911                               | 95.4                                | -1950                    | 101.6                    | 99.7 | <input checked="" type="checkbox"/> | 29 | <input type="checkbox"/> |
| UGAMS-55316        |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -2133              | -1961 | 68.3 | -2195            | -1901 | 95.4 | -2039   | -1967  | -1937 | 68.3   | -1982       | -1911                               | 95.4                                | -1951                    | 65.9                     | 99.8 | <input checked="" type="checkbox"/> | 28 | <input type="checkbox"/> |
| AA-101940          |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| ▲ Phase 1b         |                    |       |      |                  |       |      |         |  |       |        |             | <input checked="" type="checkbox"/> | 27                                  | <input type="checkbox"/> |                          |      |                                     |    |                          |
| Boundary           |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| Transition         |                    |       |      | -1975            | -1949 | 68.3 | -1996   | -1936  | 95.4  | -1962  |             | 99.7                                | <input checked="" type="checkbox"/> | 26                       | <input type="checkbox"/> |      |                                     |    |                          |
| Phase 2 to 1b      |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -2123              | -1971 | 68.3 | -2136            | -1942 | 95.4 | -2022   | -1986  | -1956 | 68.3   | -2004       | -1947                               | 95.4                                | -1973                    | 98.7                     | 99.7 | <input checked="" type="checkbox"/> | 25 | <input type="checkbox"/> |
| AA-106613          |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -2134              | -1973 | 68.3 | -2194            | -1936 | 95.4 | -2045   | -1986  | -1956 | 68.3   | -2005       | -1947                               | 95.4                                | -1973                    | 87.3                     | 99.8 | <input checked="" type="checkbox"/> | 24 | <input type="checkbox"/> |
| AA-94183           |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -1959              | -1891 | 68.3 | -2024            | -1831 | 95.4 | -1934   | -1981  | -1954 | 68.3   | -2007       | -1946                               | 95.4                                | -1970                    | 65.3                     | 99.8 | <input checked="" type="checkbox"/> | 23 | <input type="checkbox"/> |
| AA-109809          |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -2109              | -1902 | 68.3 | -2136            | -1883 | 95.4 | -1986   | -1984  | -1956 | 68.3   | -2006       | -1946                               | 95.4                                | -1972                    | 135.2                    | 99.8 | <input checked="" type="checkbox"/> | 22 | <input type="checkbox"/> |
| AA-101943          |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -2112              | -1936 | 68.3 | -2134            | -1891 | 95.4 | -1995   | -1984  | -1956 | 68.3   | -2006       | -1946                               | 95.4                                | -1972                    | 132.5                    | 99.8 | <input checked="" type="checkbox"/> | 21 | <input type="checkbox"/> |
| AA-94184           |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -2120              | -1932 | 68.3 | -2137            | -1889 | 95.4 | -1999   | -1984  | -1956 | 68.3   | -2006       | -1946                               | 95.4                                | -1972                    | 134.2                    | 99.7 | <input checked="" type="checkbox"/> | 20 | <input type="checkbox"/> |
| AA-101942          |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -2139              | -2027 | 68.3 | -2199            | -1955 | 95.4 | -2080   | -2139  | -2026 | 68.3   | -2198       | -1956                               | 95.4                                | -2080                    | 4                        | 98.9 | <input checked="" type="checkbox"/> | 19 | <input type="checkbox"/> |
| AA-94185           |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| ▲ Phase 2          |                    |       |      |                  |       |      |         |  |       |        |             | <input checked="" type="checkbox"/> | 18                                  | <input type="checkbox"/> |                          |      |                                     |    |                          |
| Boundary           |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| Transition         |                    |       |      | -1997            | -1962 | 68.3 | -2015   | -1954  | 95.4  | -1981  |             | 99.6                                | <input checked="" type="checkbox"/> | 17                       | <input type="checkbox"/> |      |                                     |    |                          |
| Phase 3 to 2       |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -2035              | -1947 | 68.3 | -2132            | -1900 | 95.4 | -1998   | -2008  | -1973 | 68.3   | -2021       | -1961                               | 95.4                                | -1990                    | 130.2                    | 99.5 | <input checked="" type="checkbox"/> | 16 | <input type="checkbox"/> |
| AA-104834          |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |
| R_Date             | -2136              | -2029 | 68.3 | -2196            | -1972 | 95.4 | -2082   | -2136  | -2029 | 68.3   | -2196       | -1971                               | 95.4                                | -2081                    | 3.6                      | 99.4 | <input checked="" type="checkbox"/> | 15 | <input type="checkbox"/> |
| AA-104835          |                    |       |      |                  |       |      |         |  |       |        |             |                                     |                                     |                          |                          |      |                                     |    |                          |

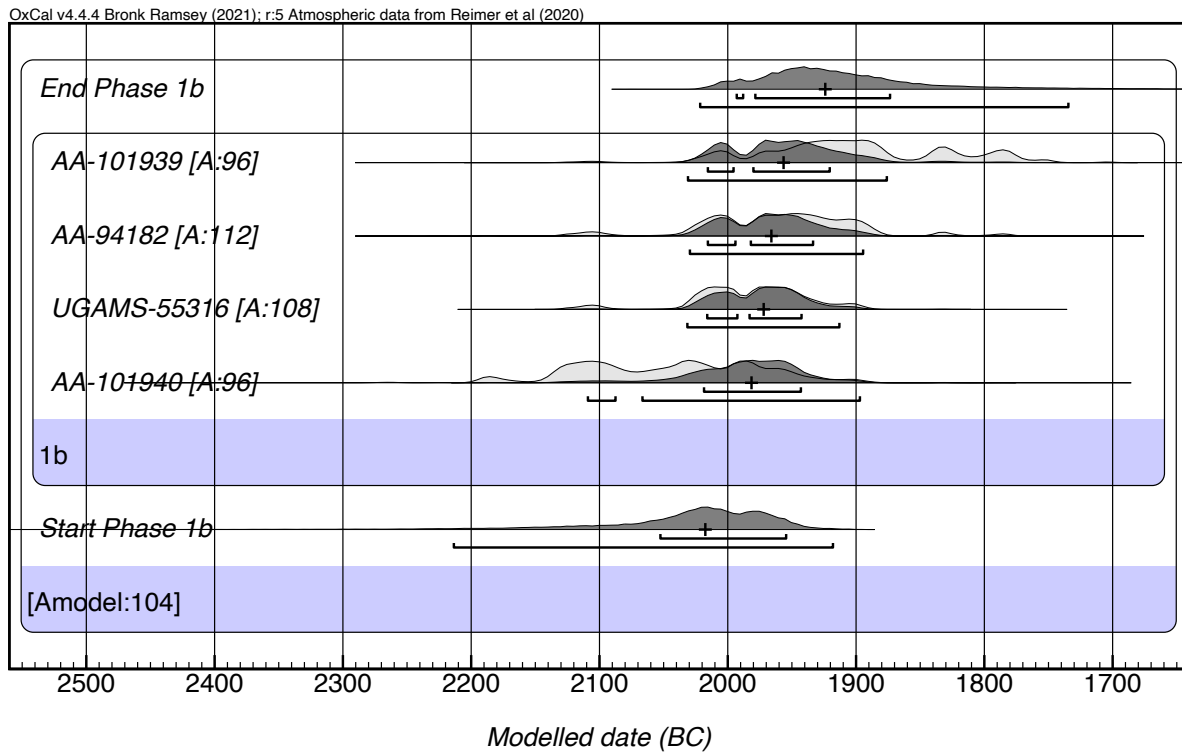




**Supplementary Figure 1.** Model 2: Bayesian sequencing of calibrated radiocarbon ages for 19 seed and charcoal samples from *Troullia* West, Politiko-*Troullia*, Cyprus;  $A_{\text{model}} = 146.5$ . Light gray curves indicate single-sample calibration distributions; dark curves indicate modeled calibration distributions. Calibrations and Bayesian modeling based on OxCal 4.4.4 (Bronk Ramsey 2009a) using the IntCal20 atmospheric curve (Reimer et al. 2020; van der Plicht et al. 2020). Two ages (AA-94185, AA-104835) are excluded as statistical outliers based on  $A \leq 60$ .

**Supplementary Table 2.** OxCal output for Model 2: Bayesian sequencing of calibrated radiocarbon ages for 19 seed and charcoal samples from *Troullia* West, Politiko-*Troullia*, Cyprus based on OxCal 4.4.4 (Bronk Ramsey 2009a) using the IntCal20 atmospheric curve (Reimer et al. 2020; van der Plicht et al. 2020). Two ages (AA-94185, AA-104835) are excluded as statistical outliers based on  $A \leq 60$ .

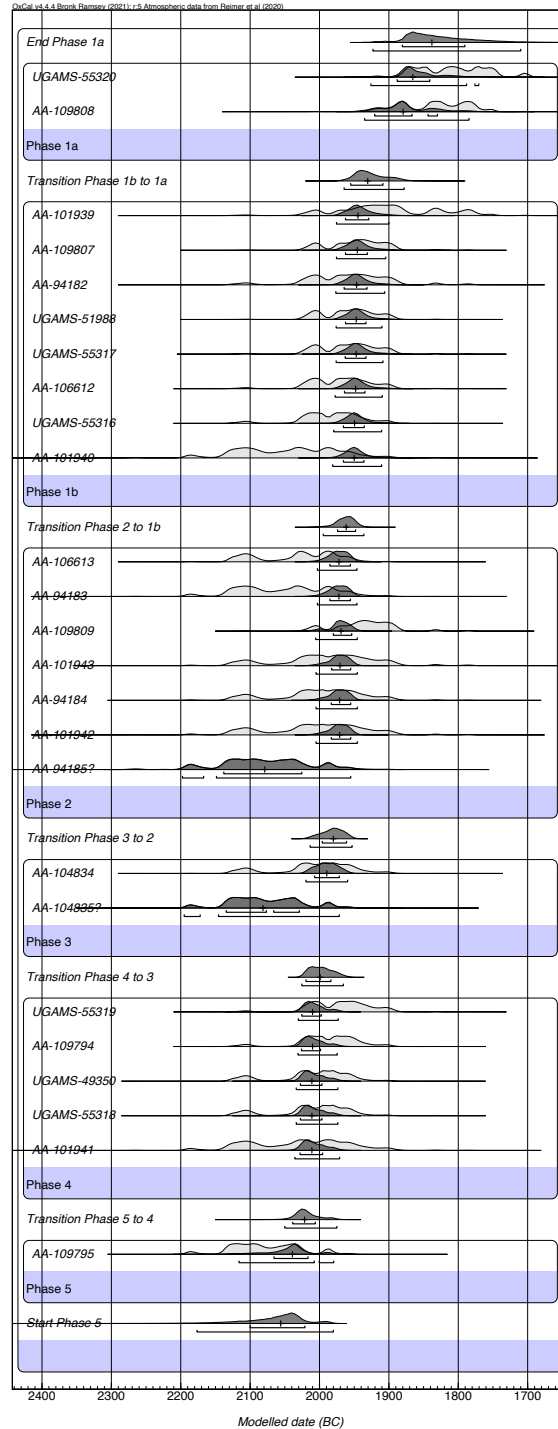
| Name                      | Unmodelled (BC/AD) |       |      | Modelled (BC/AD) |       |      | Indices |       |       | Select | Page break |       |      |                   |       |      |                                     |    |                          |                                     |    |                          |                                     |    |                          |
|---------------------------|--------------------|-------|------|------------------|-------|------|---------|-------|-------|--------|------------|-------|------|-------------------|-------|------|-------------------------------------|----|--------------------------|-------------------------------------|----|--------------------------|-------------------------------------|----|--------------------------|
|                           | from               | to    | %    | from             | to    | %    | m       | from  | to    |        |            | %     | m    | A <sub>comb</sub> | A     | L    | P                                   | C  | Visible                  |                                     |    |                          |                                     |    |                          |
| Show all                  |                    |       |      |                  |       |      |         |       |       |        |            |       |      |                   |       |      |                                     |    |                          |                                     |    |                          |                                     |    |                          |
| Show structure            |                    |       |      |                  |       |      |         |       |       |        |            |       |      |                   |       |      |                                     |    |                          |                                     |    |                          |                                     |    |                          |
| End Phase 1a              |                    |       |      |                  |       |      |         |       |       |        |            |       |      |                   |       | 98.8 | <input checked="" type="checkbox"/> | 34 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| UGASM-55320               | -1876              | -1749 | 68.3 | -1884            | -1700 | 95.4 | -1808   | -1888 | -1844 | 68.3   | -1925      | -1771 | 95.4 | -1867             | 92.3  | 99.8 | <input checked="" type="checkbox"/> | 33 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| AA-109808                 | -1894              | -1774 | 68.3 | -1931            | -1751 | 95.4 | -1833   | -1901 | -1826 | 68.3   | -1928      | -1786 | 95.4 | -1877             | 100.7 | 99.7 | <input checked="" type="checkbox"/> | 32 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| ▲ 1a                      |                    |       |      |                  |       |      |         |       |       |        |            |       |      |                   |       |      |                                     |    |                          |                                     |    |                          |                                     |    |                          |
| Transition Phase 1b to 1a |                    |       |      |                  |       |      |         |       |       |        |            |       |      |                   |       |      |                                     |    | 99.8                     | <input checked="" type="checkbox"/> | 31 | <input type="checkbox"/> |                                     |    |                          |
| AA-109807                 | -2008              | -1899 | 68.3 | -2026            | -1884 | 95.4 | -1944   | -1956 | -1913 | 68.3   | -1968      | -1892 | 95.4 | -1935             | 119.5 | 99.9 | <input checked="" type="checkbox"/> | 29 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| UGASM-55317               | -2018              | -1905 | 68.3 | -2027            | -1890 | 95.4 | -1956   | -1957 | -1917 | 68.3   | -1969      | -1894 | 95.4 | -1936             | 110.2 | 99.9 | <input checked="" type="checkbox"/> | 28 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| AA-106612                 | -2021              | -1932 | 68.3 | -2033            | -1891 | 95.4 | -1967   | -1959 | -1918 | 68.3   | -1970      | -1895 | 95.4 | -1938             | 96.5  | 99.9 | <input checked="" type="checkbox"/> | 27 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| ▲ 1b                      |                    |       |      |                  |       |      |         |       |       |        |            |       |      |                   |       |      |                                     |    |                          |                                     |    |                          |                                     |    |                          |
| Transition Phase 2 to 1b  |                    |       |      |                  |       |      |         |       |       |        |            |       |      |                   |       |      |                                     |    |                          |                                     |    | 99.9                     | <input checked="" type="checkbox"/> | 26 | <input type="checkbox"/> |
| AA-94183                  | -2134              | -1973 | 68.3 | -2194            | -1936 | 95.4 | -2045   | -1980 | -1949 | 68.3   | -2003      | -1936 | 95.4 | -1965             | 75.2  | 99.9 | <input checked="" type="checkbox"/> | 24 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| AA-109809                 | -1959              | -1891 | 68.3 | -2024            | -1831 | 95.4 | -1934   | -1977 | -1947 | 68.3   | -2007      | -1931 | 95.4 | -1962             | 81.9  | 99.9 | <input checked="" type="checkbox"/> | 23 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| AA-101943                 | -2109              | -1902 | 68.3 | -2136            | -1883 | 95.4 | -1986   | -1980 | -1947 | 68.3   | -2004      | -1934 | 95.4 | -1964             | 132.5 | 99.9 | <input checked="" type="checkbox"/> | 22 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| AA-94184                  | -2112              | -1936 | 68.3 | -2134            | -1891 | 95.4 | -1995   | -1980 | -1947 | 68.3   | -2003      | -1935 | 95.4 | -1964             | 126.2 | 99.9 | <input checked="" type="checkbox"/> | 21 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| AA-101942                 | -2120              | -1932 | 68.3 | -2137            | -1889 | 95.4 | -1999   | -1980 | -1947 | 68.3   | -2003      | -1934 | 95.4 | -1964             | 128.4 | 99.9 | <input checked="" type="checkbox"/> | 20 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| AA-94185                  | -2139              | -2027 | 68.3 | -2199            | -1955 | 95.4 | -2080   | -2138 | -2027 | 68.3   | -2198      | -1956 | 95.4 | -2080             | 3.8   | 99.6 | <input checked="" type="checkbox"/> | 19 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| ▲ 2                       |                    |       |      |                  |       |      |         |       |       |        |            |       |      |                   |       |      |                                     |    |                          |                                     |    |                          |                                     |    |                          |
| Transition Phase 3 to 2   |                    |       |      |                  |       |      |         |       |       |        |            |       |      |                   |       |      |                                     |    |                          |                                     |    | 99.9                     | <input checked="" type="checkbox"/> | 18 | <input type="checkbox"/> |
| AA-104834                 | -2035              | -1947 | 68.3 | -2132            | -1900 | 95.4 | -1998   | -2001 | -1966 | 68.3   | -2019      | -1955 | 95.4 | -1985             | 128.3 | 99.9 | <input checked="" type="checkbox"/> | 17 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| AA-104835                 | -2136              | -2029 | 68.3 | -2196            | -1972 | 95.4 | -2082   | -2135 | -2029 | 68.3   | -2196      | -1971 | 95.4 | -2082             | 3.8   | 99.6 | <input checked="" type="checkbox"/> | 16 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| ▲ 3                       |                    |       |      |                  |       |      |         |       |       |        |            |       |      |                   |       |      |                                     |    |                          |                                     |    |                          |                                     |    |                          |
| Transition Phase 4 to 3   |                    |       |      |                  |       |      |         |       |       |        |            |       |      |                   |       |      |                                     |    |                          |                                     |    | 99.8                     | <input checked="" type="checkbox"/> | 15 | <input type="checkbox"/> |
| UGASM-55319               | -2021              | -1934 | 68.3 | -2033            | -1892 | 95.4 | -1968   | -2026 | -1996 | 68.3   | -2031      | -1969 | 95.4 | -2008             | 104.4 | 99.7 | <input checked="" type="checkbox"/> | 14 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| AA-109794                 | -2026              | -1948 | 68.3 | -2114            | -1900 | 95.4 | -1984   | -2027 | -1995 | 68.3   | -2031      | -1971 | 95.4 | -2008             | 117.1 | 99.8 | <input checked="" type="checkbox"/> | 13 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| UGASM-49350               | -2034              | -1953 | 68.3 | -2133            | -1929 | 95.4 | -2002   | -2028 | -1993 | 68.3   | -2034      | -1970 | 95.4 | -2009             | 127   | 99.7 | <input checked="" type="checkbox"/> | 12 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| UGASM-55318               | -2034              | -1953 | 68.3 | -2133            | -1929 | 95.4 | -2002   | -2028 | -1993 | 68.3   | -2034      | -1970 | 95.4 | -2009             | 127   | 99.7 | <input checked="" type="checkbox"/> | 11 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| AA-101941                 | -2128              | -1951 | 68.3 | -2141            | -1897 | 95.4 | -2023   | -2029 | -1992 | 68.3   | -2036      | -1967 | 95.4 | -2009             | 128.3 | 99.7 | <input checked="" type="checkbox"/> | 10 | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| ▲ 4                       |                    |       |      |                  |       |      |         |       |       |        |            |       |      |                   |       |      |                                     |    |                          |                                     |    |                          |                                     |    |                          |
| Transition Phase 5 to 4   |                    |       |      |                  |       |      |         |       |       |        |            |       |      |                   |       |      |                                     |    |                          |                                     |    | 99.7                     | <input checked="" type="checkbox"/> | 9  | <input type="checkbox"/> |
| AA-109795                 | -2135              | -2031 | 68.3 | -2194            | -1976 | 95.4 | -2083   | -2063 | -1986 | 68.3   | -2115      | -1978 | 95.4 | -2039             | 94.1  | 99.4 | <input checked="" type="checkbox"/> | 8  | <input type="checkbox"/> |                                     |    |                          |                                     |    |                          |
| ▲ 5                       |                    |       |      |                  |       |      |         |       |       |        |            |       |      |                   |       |      |                                     |    |                          |                                     |    |                          |                                     |    |                          |
| Start Phase 5             |                    |       |      |                  |       |      |         |       |       |        |            |       |      |                   |       |      |                                     |    |                          |                                     |    | 97.6                     | <input checked="" type="checkbox"/> | 7  | <input type="checkbox"/> |
| ▲                         |                    |       |      |                  |       |      |         |       |       |        |            |       |      |                   |       |      |                                     |    |                          |                                     |    |                          |                                     |    |                          |



**Supplementary Figure 2.** Model 3: Bayesian sequencing of calibrated radiocarbon ages for 4 seed and charcoal samples from *Troullia* East, Politiko-*Troullia*, Cyprus;  $A_{\text{model}} = 104.0$ . Light gray curves indicate single-sample calibration distributions; dark curves indicate modeled calibration distributions. Calibrations and Bayesian modeling based on OxCal 4.4.4 (Bronk Ramsey 2009a) using the IntCal20 atmospheric curve (Reimer et al. 2020; van der Plicht et al. 2020).

**Supplementary Table 3.** OxCal output for Model 3: Bayesian sequencing of calibrated radiocarbon ages for 4 seed and charcoal samples from *Troullia* East, Politiko-*Troullia*, Cyprus based on OxCal 4.4.4 (Bronk Ramsey 2009a) using the IntCal20 atmospheric curve (Reimer et al. 2020; van der Plicht et al. 2020).

| Name                           | Unmodelled (BC/AD) |       |      | Modelled (BC/AD) |       |      | Indices |       |       | Select | Page break |       |                         |                             |                   |   |   |   |       |                                     |                                     |                                     |                          |                          |
|--------------------------------|--------------------|-------|------|------------------|-------|------|---------|-------|-------|--------|------------|-------|-------------------------|-----------------------------|-------------------|---|---|---|-------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
|                                | from               | to    | %    | from             | to    | %    | m       | from  | to    |        |            | %     | A <sub>model</sub> =104 | A <sub>overall</sub> =105.9 | A <sub>comb</sub> | A | L | P | C     | Visible                             |                                     |                                     |                          |                          |
| <a href="#">Show all</a>       |                    |       |      |                  |       |      |         |       |       |        |            |       |                         |                             |                   |   |   |   |       |                                     |                                     |                                     |                          |                          |
| <a href="#">Show structure</a> |                    |       |      |                  |       |      |         |       |       |        |            |       |                         |                             |                   |   |   |   |       |                                     |                                     |                                     |                          |                          |
| End Phase 1b                   |                    |       |      |                  |       |      |         | -1994 | -1874 | 68.3   | -2022      | -1735 | 95.4                    | -1925                       |                   |   |   |   | 95.2  | <input checked="" type="checkbox"/> | 9                                   | <input type="checkbox"/>            |                          |                          |
| AA-101939                      | -2008              | -1781 | 68.3 | -2031            | -1751 | 95.4 | -1909   | -2016 | -1921 | 68.3   | -2032      | -1877 | 95.4                    | -1957                       |                   |   |   |   | 95.9  | 98.9                                | <input checked="" type="checkbox"/> | 8                                   | <input type="checkbox"/> |                          |
| AA-94182                       | -2019              | -1900 | 68.3 | -2125            | -1785 | 95.4 | -1958   | -2016 | -1934 | 68.3   | -2030      | -1895 | 95.4                    | -1967                       |                   |   |   |   | 112.4 | 99.1                                | <input checked="" type="checkbox"/> | 7                                   | <input type="checkbox"/> |                          |
| UGAMS-55316                    | -2026              | -1943 | 68.3 | -2113            | -1896 | 95.4 | -1979   | -2017 | -1943 | 68.3   | -2032      | -1914 | 95.4                    | -1973                       |                   |   |   |   | 108.4 | 99.4                                | <input checked="" type="checkbox"/> | 6                                   | <input type="checkbox"/> |                          |
| AA-101940                      | -2133              | -1961 | 68.3 | -2195            | -1901 | 95.4 | -2039   | -2019 | -1944 | 68.3   | -2110      | -1898 | 95.4                    | -1982                       |                   |   |   |   | 96    | 99.1                                | <input checked="" type="checkbox"/> | 5                                   | <input type="checkbox"/> |                          |
| ▲ 1b                           |                    |       |      |                  |       |      |         |       |       |        |            |       |                         |                             |                   |   |   |   |       |                                     | <input checked="" type="checkbox"/> | 4                                   | <input type="checkbox"/> |                          |
| Start Phase 1b                 |                    |       |      |                  |       |      |         | -2053 | -1955 | 68.3   | -2214      | -1919 | 95.4                    | -2018                       |                   |   |   |   |       |                                     | 95                                  | <input checked="" type="checkbox"/> | 3                        | <input type="checkbox"/> |
| ▲                              |                    |       |      |                  |       |      |         |       |       |        |            |       |                         |                             |                   |   |   |   |       |                                     | <input checked="" type="checkbox"/> | 2                                   | <input type="checkbox"/> |                          |



**Supplementary Figure 3.** Model 4: Bayesian sequencing of calibrated radiocarbon ages for 25 seed and charcoal samples from Politiko-Troullia, Cyprus using the Charcoal Outlier Model for charcoal samples AA-101939, AA-94182, AA-106612, AA-101940 and AA-106613;  $A_{\text{model}} = 154.0$ . Light gray curves indicate single-sample calibration distributions; dark curves indicate modeled calibration distributions. Calibrations and Bayesian modeling based on OxCal 4.4.4 (Bronk Ramsey 2009a) using the IntCal20 atmospheric curve (Reimer et al. 2020; van der Plicht et al. 2020). Two ages (AA-94185, AA-104835) are excluded as statistical outliers based on  $A \leq 60$ .



**Supplementary Table 4.** OxCal output for Model 4: Bayesian sequencing of calibrated radiocarbon ages for 25 seed and charcoal samples from Politiko-*Troullia*, Cyprus using the Charcoal Outlier Model in OxCal for charcoal samples AA-101939, AA-94182, AA-106612, AA-101940 and AA-106613. The Outlier Model posteriors are 0 for all five charcoal ages, which indicate that wood-age offsets are negligible. Calibrations and Bayesian modeling based on OxCal 4.4.4 (Bronk Ramsey 2009a) using the IntCal20 atmospheric curve (Reimer et al. 2020; van der Plicht et al. 2020). Two ages (AA-94185, AA-104835) are excluded as statistical outliers based on  $A \leq 60$ .

OxCal Table View https://c14.arch.ox.ac.uk/oxcal/ocp\_right.html

| Name                      | Unmodelled (BC/AD) |       |      | Modelled (BC/AD) |       |      | Indices            |                      |                   | Select | Page break |       |       |       |                                     |                                     |                                     |    |
|---------------------------|--------------------|-------|------|------------------|-------|------|--------------------|----------------------|-------------------|--------|------------|-------|-------|-------|-------------------------------------|-------------------------------------|-------------------------------------|----|
|                           | from               | to    | %    | from             | to    | %    | A <sub>model</sub> | A <sub>overall</sub> | A <sub>comb</sub> |        |            | A     | L     | P     | C                                   | Visible                             |                                     |    |
| Show all                  |                    |       |      |                  |       |      |                    |                      |                   |        |            |       |       |       |                                     |                                     |                                     |    |
| Show structure            |                    |       |      |                  |       |      |                    |                      |                   |        |            |       |       |       |                                     |                                     |                                     |    |
| End Phase 1a              |                    |       |      |                  |       |      | -1881              | -1791                | 68.3              | -1924  | -1711      | 95.4  | -1839 | 96.9  | <input checked="" type="checkbox"/> | 40                                  |                                     |    |
| UGAMS-55320               | -1876              | -1749 | 68.3 | -1884            | -1700 | 95.4 | -1808              | -1889                | -1842             | 68.3   | -1927      | -1771 | 95.4  | -1866 | 91.7                                | <input checked="" type="checkbox"/> | 39                                  |    |
| AA-109808                 | -1894              | -1774 | 68.3 | -1931            | -1751 | 95.4 | -1833              | -1921                | -1831             | 68.3   | -1936      | -1785 | 95.4  | -1880 | 95.7                                | <input checked="" type="checkbox"/> | 38                                  |    |
| ▲ Phase 1a                |                    |       |      |                  |       |      |                    |                      |                   |        |            |       |       |       |                                     |                                     |                                     |    |
| Transition Phase 1b to 1a |                    |       |      |                  |       |      | -1956              | -1909                | 68.3              | -1965  | -1879      | 95.4  | -1931 | 99.3  | <input checked="" type="checkbox"/> | 36                                  |                                     |    |
| AA-101939                 | -2008              | -1781 | 68.3 | -2031            | -1751 | 95.4 | -1909              | -1963                | -1930             | 68.3   | -1976      | -1901 | 95.4  | -1945 | 116.5                               | <input checked="" type="checkbox"/> | 35                                  |    |
| Charcoal                  |                    |       |      |                  |       |      |                    |                      |                   |        |            |       | 0     | 100   | <input checked="" type="checkbox"/> | 45                                  |                                     |    |
| AA-109807                 | -2008              | -1899 | 68.3 | -2026            | -1884 | 95.4 | -1944              | -1963                | -1932             | 68.3   | -1976      | -1905 | 95.4  | -1946 | 121.6                               | <input checked="" type="checkbox"/> | 34                                  |    |
| AA-94182                  | -2019              | -1900 | 68.3 | -2125            | -1785 | 95.4 | -1958              | -1965                | -1932             | 68.3   | -1977      | -1907 | 95.4  | -1947 | 127.2                               | <input checked="" type="checkbox"/> | 33                                  |    |
| Charcoal                  |                    |       |      |                  |       |      |                    |                      |                   |        |            |       | 0     | 100   | <input checked="" type="checkbox"/> | 44                                  |                                     |    |
| UGAMS-51988               | -2016              | -1925 | 68.3 | -2026            | -1891 | 95.4 | -1955              | -1963                | -1934             | 68.3   | -1977      | -1911 | 95.4  | -1948 | 122.4                               | <input checked="" type="checkbox"/> | 32                                  |    |
| UGAMS-55317               | -2018              | -1905 | 68.3 | -2027            | -1890 | 95.4 | -1956              | -1964                | -1934             | 68.3   | -1977      | -1909 | 95.4  | -1948 | 122.5                               | <input checked="" type="checkbox"/> | 31                                  |    |
| AA-106612                 | -2021              | -1932 | 68.3 | -2033            | -1891 | 95.4 | -1967              | -1965                | -1935             | 68.3   | -1978      | -1910 | 95.4  | -1949 | 116.1                               | <input checked="" type="checkbox"/> | 30                                  |    |
| Charcoal                  |                    |       |      |                  |       |      |                    |                      |                   |        |            |       | 0     | 100   | <input checked="" type="checkbox"/> | 43                                  |                                     |    |
| UGAMS-55316               | -2026              | -1943 | 68.3 | -2113            | -1896 | 95.4 | -1979              | -1966                | -1936             | 68.3   | -1980      | -1911 | 95.4  | -1950 | 101.7                               | <input checked="" type="checkbox"/> | 29                                  |    |
| AA-101940                 | -2133              | -1961 | 68.3 | -2195            | -1901 | 95.4 | -2039              | -1966                | -1937             | 68.3   | -1982      | -1911 | 95.4  | -1951 | 65.8                                | <input checked="" type="checkbox"/> | 28                                  |    |
| Charcoal                  |                    |       |      |                  |       |      |                    |                      |                   |        |            |       | 0     | 100   | <input checked="" type="checkbox"/> | 42                                  |                                     |    |
| ▲ Phase 1b                |                    |       |      |                  |       |      |                    |                      |                   |        |            |       |       |       |                                     |                                     |                                     |    |
| Transition Phase 2 to 1b  |                    |       |      |                  |       |      | -1975              | -1949                | 68.3              | -1995  | -1937      | 95.4  | -1962 | 99.7  | <input checked="" type="checkbox"/> | 26                                  |                                     |    |
| AA-106613                 | -2123              | -1971 | 68.3 | -2136            | -1942 | 95.4 | -2022              | -1986                | -1956             | 68.3   | -2004      | -1947 | 95.4  | -1973 | 98.4                                | <input checked="" type="checkbox"/> | 25                                  |    |
| Charcoal                  |                    |       |      |                  |       |      |                    |                      |                   |        |            |       | 0     | 100   | <input checked="" type="checkbox"/> | 41                                  |                                     |    |
| AA-94183                  | -2134              | -1973 | 68.3 | -2194            | -1936 | 95.4 | -2045              | -1986                | -1956             | 68.3   | -2004      | -1947 | 95.4  | -1973 | 87.1                                | <input checked="" type="checkbox"/> | 24                                  |    |
| AA-109809                 | -1959              | -1891 | 68.3 | -2024            | -1831 | 95.4 | -1934              | -1981                | -1954             | 68.3   | -2006      | -1946 | 95.4  | -1970 | 65.4                                | <input checked="" type="checkbox"/> | 23                                  |    |
| AA-101943                 | -2109              | -1902 | 68.3 | -2136            | -1883 | 95.4 | -1986              | -1983                | -1956             | 68.3   | -2006      | -1946 | 95.4  | -1971 | 135.2                               | <input checked="" type="checkbox"/> | 22                                  |    |
| AA-94184                  | -2112              | -1936 | 68.3 | -2134            | -1891 | 95.4 | -1995              | -1984                | -1956             | 68.3   | -2006      | -1946 | 95.4  | -1972 | 132.5                               | <input checked="" type="checkbox"/> | 21                                  |    |
| AA-101942                 | -2120              | -1932 | 68.3 | -2137            | -1889 | 95.4 | -1999              | -1984                | -1956             | 68.3   | -2006      | -1946 | 95.4  | -1972 | 134.2                               | <input checked="" type="checkbox"/> | 20                                  |    |
| AA-94185                  | -2139              | -2027 | 68.3 | -2199            | -1955 | 95.4 | -2080              | -2139                | -2026             | 68.3   | -2198      | -1956 | 95.4  | -2080 | 4.1                                 | 99                                  | <input checked="" type="checkbox"/> | 19 |
| ▲ Phase 2                 |                    |       |      |                  |       |      |                    |                      |                   |        |            |       |       |       |                                     |                                     |                                     |    |
| Transition Phase 3 to 2   |                    |       |      |                  |       |      | -1997              | -1962                | 68.3              | -2014  | -1954      | 95.4  | -1981 | 99.3  | <input checked="" type="checkbox"/> | 17                                  |                                     |    |
| AA-104834                 | -2035              | -1947 | 68.3 | -2132            | -1900 | 95.4 | -1998              | -2008                | -1972             | 68.3   | -2020      | -1960 | 95.4  | -1990 | 130.1                               | <input checked="" type="checkbox"/> | 16                                  |    |
| AA-104835                 | -2136              | -2029 | 68.3 | -2196            | -1972 | 95.4 | -2082              | -2135                | -2030             | 68.3   | -2196      | -1972 | 95.4  | -2082 | 3.5                                 | 99.3                                | <input checked="" type="checkbox"/> | 15 |
| ▲ Phase 3                 |                    |       |      |                  |       |      |                    |                      |                   |        |            |       |       |       |                                     |                                     |                                     |    |
| Transition Phase 4 to 3   |                    |       |      |                  |       |      | -2020              | -1984                | 68.3              | -2026  | -1966      | 95.4  | -2000 | 99.5  | <input checked="" type="checkbox"/> | 13                                  |                                     |    |
| UGAMS-55319               | -2021              | -1934 | 68.3 | -2033            | -1892 | 95.4 | -1968              | -2026                | -1998             | 68.3   | -2031      | -1974 | 95.4  | -2011 | 103.6                               | <input checked="" type="checkbox"/> | 12                                  |    |
| AA-109794                 | -2026              | -1948 | 68.3 | -2114            | -1900 | 95.4 | -1984              | -2027                | -1999             | 68.3   | -2032      | -1975 | 95.4  | -2011 | 116.7                               | <input checked="" type="checkbox"/> | 11                                  |    |
| UGAMS-49350               | -2034              | -1953 | 68.3 | -2133            | -1929 | 95.4 | -2002              | -2028                | -1997             | 68.3   | -2034      | -1974 | 95.4  | -2012 | 127.2                               | <input checked="" type="checkbox"/> | 10                                  |    |
| UGAMS-55318               | -2034              | -1953 | 68.3 | -2133            | -1929 | 95.4 | -2002              | -2028                | -1997             | 68.3   | -2034      | -1974 | 95.4  | -2012 | 127.2                               | <input checked="" type="checkbox"/> | 9                                   |    |

1 of 3 10/26/22, 1:57 PM

**Supplementary Table 4.** OxCal output for Model 4 (continued).

OxCal Table View https://c14.arch.ox.ac.uk/oxcal/ocp\_right.html

|                  |   |   |       |      |                                     |   |                          |
|------------------|---|---|-------|------|-------------------------------------|---|--------------------------|
| AA-101941        | ☰ | -2128 -1951 68.3 -2141 -1897 95.4 -2023 -2029 -1996 68.3 -2036 -1972 95.4 -2012 | 128.5 | 99.7 | <input checked="" type="checkbox"/> | 8 | <input type="checkbox"/> |
| ▲ Phase 4        | ☰ |   |       |      | <input checked="" type="checkbox"/> | 7 | <input type="checkbox"/> |
| Transition Phase | ☰ |   |       |      | <input checked="" type="checkbox"/> | 6 | <input type="checkbox"/> |
| 5 to 4           | ☰ | -2039 -2007 68.3 -2051 -1976 95.4 -2022   |       | 99.5 | <input checked="" type="checkbox"/> | 6 | <input type="checkbox"/> |
| AA-109795        | ☰ | -2135 -2031 68.3 -2194 -1976 95.4 -2083 -2066 -2017 68.3 -2117 -1980 95.4 -2040 | 96.7  | 99.2 | <input checked="" type="checkbox"/> | 5 | <input type="checkbox"/> |
| ▲ Phase 5        | ☰ |   |       |      | <input checked="" type="checkbox"/> | 4 | <input type="checkbox"/> |
| Start Phase 5    | ☰ | -2101 -2022 68.3 -2177 -1981 95.4 -2057   |       | 95.7 | <input checked="" type="checkbox"/> | 3 | <input type="checkbox"/> |
| ▲                | ☰ |   |       |      | <input checked="" type="checkbox"/> | 2 | <input type="checkbox"/> |

2 of 3 10/26/22, 1:57 PM

**Supplementary Table 5.** OxCal output for Bayesian sequencing of calibrated radiocarbon ages for 10 charcoal samples from Sotira *Khaminoudhia*, Cyprus based on OxCal 4.4.4 (Bronk Ramsey 2009a) using the IntCal20 atmospheric curve (Reimer et al. 2020; van der Plicht et al. 2020).

OxCal Table View

[https://c14.arch.ox.ac.uk/oxcal/ocp\\_right.html](https://c14.arch.ox.ac.uk/oxcal/ocp_right.html)

| Name          | Unmodelled (BC/AD) |       |      | Modelled (BC/AD) |       |      | Indices                 |                             |                   | Select | Page break |                                     |       |                          |       |         |                                     |                                     |                          |                          |
|---------------|--------------------|-------|------|------------------|-------|------|-------------------------|-----------------------------|-------------------|--------|------------|-------------------------------------|-------|--------------------------|-------|---------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
|               | from               | to    | %    | from             | to    | %    | A <sub>model</sub> =124 | A <sub>overall</sub> =124.9 | A <sub>comb</sub> |        |            | A                                   | L     | P                        | C     | Visible |                                     |                                     |                          |                          |
| End Phase II  |                    |       |      | -2280            | -2148 | 68.3 | -2337                   | -2081                       | 95.4              | -2215  | 98.9       | <input checked="" type="checkbox"/> | 17    | <input type="checkbox"/> |       |         |                                     |                                     |                          |                          |
| OxA-3312      | -2272              | -1936 | 68.3 | -2452            | -1775 | 95.4 | -2087                   | -2291                       | -2196             | 68.3   | -2346      | -2128                               | 95.4  | -2243                    | 74.2  | 99.8    | <input checked="" type="checkbox"/> | 16                                  | <input type="checkbox"/> |                          |
| OxA-3546      | -2291              | -2038 | 68.3 | -2456            | -1973 | 95.4 | -2181                   | -2290                       | -2200             | 68.3   | -2343      | -2140                               | 95.4  | -2244                    | 111.3 | 99.7    | <input checked="" type="checkbox"/> | 15                                  | <input type="checkbox"/> |                          |
| OxA-3310      | -2343              | -2039 | 68.3 | -2467            | -1961 | 95.4 | -2215                   | -2291                       | -2201             | 68.3   | -2346      | -2140                               | 95.4  | -2245                    | 125.2 | 99.8    | <input checked="" type="checkbox"/> | 14                                  | <input type="checkbox"/> |                          |
| OxA-3548      | -2401              | -2067 | 68.3 | -2463            | -2035 | 95.4 | -2244                   | -2291                       | -2201             | 68.3   | -2344      | -2143                               | 95.4  | -2245                    | 128.3 | 99.8    | <input checked="" type="checkbox"/> | 13                                  | <input type="checkbox"/> |                          |
| OxA-3544      | -2454              | -2202 | 68.3 | -2556            | -2039 | 95.4 | -2300                   | -2292                       | -2203             | 68.3   | -2345      | -2146                               | 95.4  | -2246                    | 116.3 | 99.8    | <input checked="" type="checkbox"/> | 12                                  | <input type="checkbox"/> |                          |
| OxA-3545      | -2456              | -2210 | 68.3 | -2566            | -2057 | 95.4 | -2327                   | -2292                       | -2203             | 68.3   | -2346      | -2146                               | 95.4  | -2247                    | 104   | 99.8    | <input checked="" type="checkbox"/> | 11                                  | <input type="checkbox"/> |                          |
| OxA-3547      | -2459              | -2207 | 68.3 | -2568            | -2048 | 95.4 | -2326                   | -2292                       | -2203             | 68.3   | -2346      | -2146                               | 95.4  | -2247                    | 106.6 | 99.8    | <input checked="" type="checkbox"/> | 10                                  | <input type="checkbox"/> |                          |
| OxA-3311      | -2476              | -2203 | 68.3 | -2661            | -2036 | 95.4 | -2361                   | -2293                       | -2203             | 68.3   | -2348      | -2145                               | 95.4  | -2247                    | 102.6 | 99.8    | <input checked="" type="checkbox"/> | 9                                   | <input type="checkbox"/> |                          |
| ▲ Phase II    |                    |       |      |                  |       |      |                         |                             |                   |        |            |                                     |       |                          |       |         | <input checked="" type="checkbox"/> | 8                                   | <input type="checkbox"/> |                          |
| Transition II |                    |       |      |                  |       |      | -2316                   | -2216                       | 68.3              | -2408  | -2157      | 95.4                                | -2277 |                          |       |         | 99.7                                | <input checked="" type="checkbox"/> | 7                        | <input type="checkbox"/> |
| to I          |                    |       |      |                  |       |      |                         |                             |                   |        |            |                                     |       |                          |       |         |                                     | <input checked="" type="checkbox"/> | 6                        | <input type="checkbox"/> |
| OxA-3309      | -2343              | -2039 | 68.3 | -2467            | -1961 | 95.4 | -2215                   | -2395                       | -2229             | 68.3   | -2457      | -2209                               | 95.4  | -2308                    | 100.3 | 99.5    | <input checked="" type="checkbox"/> | 5                                   | <input type="checkbox"/> |                          |
| OxA-3038      | -2472              | -2206 | 68.3 | -2621            | -2047 | 95.4 | -2361                   | -2375                       | -2231             | 68.3   | -2476      | -2202                               | 95.4  | -2315                    | 114.8 | 99.4    | <input checked="" type="checkbox"/> | 4                                   | <input type="checkbox"/> |                          |
| ▲ Phase I     |                    |       |      |                  |       |      |                         |                             |                   |        |            |                                     |       |                          |       |         |                                     | <input checked="" type="checkbox"/> | 3                        | <input type="checkbox"/> |
| Start Phase   |                    |       |      |                  |       |      | -2433                   | -2237                       | 68.3              | -2682  | -2159      | 95.4                                | -2351 |                          |       |         | 96.6                                | <input checked="" type="checkbox"/> | 2                        | <input type="checkbox"/> |
| ▲             |                    |       |      |                  |       |      |                         |                             |                   |        |            |                                     |       |                          |       |         |                                     | <input checked="" type="checkbox"/> | 1                        | <input type="checkbox"/> |

**Supplementary Table 6.** OxCal output for Bayesian sequencing of calibrated radiocarbon ages for 21 seed and charcoal samples from Marki *Alonia*, Cyprus based on OxCal 4.4.4 (Bronk Ramsey 2009a) using the IntCal20 atmospheric curve (Reimer et al. 2020; van der Plicht et al. 2020). Two samples (OZA-334 and Wk-166434) are excluded as statistical outliers based on  $A \leq 60$  and two samples (OZA-345 and OZB-159) are excluded following Manning 2013, Models 7-10.

OxCal Table View https://c14.arch.ox.ac.uk/oxcal/ocp\_right.html

| Name                                   | Unmodelled (BC/AD) |       |      | Modelled (BC/AD) |       |      | Indices           |       |       | Select | Page break |  |                          |       |       |      |  |  |  |  |                          |
|--|--------------------|-------|------|------------------|-------|------|-------------------|-------|-------|--------|------------|--|--------------------------|-------|-------|------|--|--|--|--|--------------------------|
|  | from               | to    | %    | from             | to    | %    | A <sub>comb</sub> | A     | L P C |        |            |  |                          |       |       |      |  |  |  |  |                          |
| Boundary<br>End Phase I                |                    |       |      | -1870            | -1419 | 68.3 | -1937             | 63    | 95.4  | -1608  | 98         | <input checked="" type="checkbox"/> 46 | <input type="checkbox"/> |       |       |      |  |  |  |  |                          |
| R_Date<br>Beta-50747 Ph I              | -1888              | -1636 | 68.3 | -2018            | -1535 | 95.4 | -1774             | -1887 | -1687 | 68.3   | -1976      | -1548                                  | 95.4                     | -1783 | 107.4 | 99.8 | <input checked="" type="checkbox"/> 45 | <input type="checkbox"/>               |  |  |                          |
| R_Date<br>Beta-50746 Ph I              | -1918              | -1688 | 68.3 | -2026            | -1547 | 95.4 | -1800             | -1890 | -1691 | 68.3   | -2012      | -1613                                  | 95.4                     | -1794 | 105.9 | 99.8 | <input checked="" type="checkbox"/> 44 | <input type="checkbox"/>               |  |  |                          |
| ▲ Phase I                              |                    |       |      |                  |       |      |                   |       |       |        |            |  |                          |       |       |      | <input checked="" type="checkbox"/> 43 | <input type="checkbox"/>               |  |  |                          |
| Boundary<br>Start Phase I              |                    |       |      | -2161            | -1698 | 68.3 | -3754             | -1628 | 95.4  | -1964  |            |  |                          |       |       |      | 97.3                                   | <input checked="" type="checkbox"/> 42 | <input type="checkbox"/>               |  |                          |
| ▲ Sequence                             |                    |       |      |                  |       |      |                   |       |       |        |            |  |                          |       |       |      |  | <input checked="" type="checkbox"/> 41 | <input type="checkbox"/>               |  |                          |
| Boundary<br>End Phase H                |                    |       |      | -2119            | -1997 | 68.3 | -2187             | -1881 | 95.4  | -2045  |            |  |                          |       |       |      |  | 96.2                                   | <input checked="" type="checkbox"/> 40 | <input type="checkbox"/>               |                          |
| R_Date<br>OZA-345 Ph H-1               | -2201              | -2037 | 68.3 | -2291            | -1975 | 95.4 | -2131             | -2201 | -2038 | 68.3   | -2291      | -1975                                  | 95.4                     | -2131 |       | 7.1  | 99.8                                   | <input checked="" type="checkbox"/> 39 | <input type="checkbox"/>               |  |                          |
| R_Date<br>OZB-159 Ph H-1               | -2285              | -2052 | 68.3 | -2398            | -2027 | 95.4 | -2181             | -2284 | -2053 | 68.3   | -2398      | -2027                                  | 95.4                     | -2181 |       | 3.8  | 99.7                                   | <input checked="" type="checkbox"/> 38 | <input type="checkbox"/>               |  |                          |
| ▲ Phase H                              |                    |       |      |                  |       |      |                   |       |       |        |            |  |                          |       |       |      |  | <input checked="" type="checkbox"/> 37 | <input type="checkbox"/>               |  |                          |
| Boundary<br>Transition<br>Phase F to H |                    |       |      | -2119            | -2029 | 68.3 | -2187             | -1969 | 95.4  | -2068  |            |  |                          |       |       |      |  | 98.9                                   | <input checked="" type="checkbox"/> 36 | <input type="checkbox"/>               |                          |
| R_Date<br>OZA-278U Ph F/late Gamma     | -2190              | -1891 | 68.3 | -2291            | -1747 | 95.4 | -2023             | -2118 | -2043 | 68.3   | -2188      | -1990                                  | 95.4                     | -2080 |       |      |  | 120.4                                  | 99                                     | <input checked="" type="checkbox"/> 35 | <input type="checkbox"/> |
| R_Date<br>OZB-160 Ph F/late Gamma      | -2274              | -1891 | 68.3 | -2454            | -1748 | 95.4 | -2069             | -2118 | -2043 | 68.3   | -2189      | -1990                                  | 95.4                     | -2080 |       |      |  | 137.1                                  | 99.1                                   | <input checked="" type="checkbox"/> 34 | <input type="checkbox"/> |
| R_Date<br>OZA-340 Ph F-1               | -2203              | -2042 | 68.3 | -2286            | -2028 | 95.4 | -2145             | -2103 | -2040 | 68.3   | -2188      | -2023                                  | 95.4                     | -2079 |       |      |  | 93.4                                   | 99.1                                   | <input checked="" type="checkbox"/> 33 | <input type="checkbox"/> |
| ▲ Phase F                              |                    |       |      |                  |       |      |                   |       |       |        |            |  |                          |       |       |      |  |  | <input checked="" type="checkbox"/> 32 | <input type="checkbox"/>               |                          |
| Boundary<br>Transition<br>Phase E to F |                    |       |      | -2125            | -2061 | 68.3 | -2190             | -2031 | 95.4  | -2091  |            |  |                          |       |       |      |  |  | 99.2                                   | <input checked="" type="checkbox"/> 31 | <input type="checkbox"/> |
| R_Date<br>OZA-334 Ph E                 | -1956              | -1775 | 68.3 | -2027            | -1746 | 95.4 | -1891             | -1956 | -1775 | 68.3   | -2027      | -1747                                  | 95.4                     | -1891 |       |      |  | 0.4                                    | 99.8                                   | <input checked="" type="checkbox"/> 30 | <input type="checkbox"/> |
| ▲ Phase E                              |                    |       |      |                  |       |      |                   |       |       |        |            |  |                          |       |       |      |  |  | <input checked="" type="checkbox"/> 29 | <input type="checkbox"/>               |                          |
| Boundary<br>Transition<br>Phase D to E |                    |       |      | -2136            | -2091 | 68.3 | -2193             | -2054 | 95.4  | -2113  |            |  |                          |       |       |      |  |  | 99.5                                   | <input checked="" type="checkbox"/> 28 | <input type="checkbox"/> |
| R_Date<br>OZA-336 Ph D-1               | -2132              | -1947 | 68.3 | -2194            | -1891 | 95.4 | -2024             | -2141 | -2105 | 68.3   | -2196      | -2076                                  | 95.4                     | -2124 |       |      |  | 91.9                                   | 99.7                                   | <input checked="" type="checkbox"/> 27 | <input type="checkbox"/> |
| R_Date<br>OZA-337 Ph D-1               | -2136              | -1975 | 68.3 | -2200            | -1901 | 95.4 | -2054             | -2141 | -2106 | 68.3   | -2196      | -2073                                  | 95.4                     | -2125 |       |      |  | 112.7                                  | 99.8                                   | <input checked="" type="checkbox"/> 26 | <input type="checkbox"/> |
| R_Date<br>OZA-342 Ph D-1               | -2189              | -2031 | 68.3 | -2203            | -1961 | 95.4 | -2089             | -2143 | -2107 | 68.3   | -2196      | -2071                                  | 95.4                     | -2125 |       |      |  | 116.5                                  | 99.7                                   | <input checked="" type="checkbox"/> 25 | <input type="checkbox"/> |

1 of 2 3/2/22, 10:25 AM

Supplementary Table 6 (continued).

OxCal Table View https://c14.arch.ox.ac.uk/oxcal/ocp\_right.html

|  |   |       |      |                                     |    |                          |
|--|---|-------|------|-------------------------------------|----|--------------------------|
| R_Date<br>OZA-339 Ph D-1                   | -2198 -2035 68.3 -2285 -1961 95.4 -2114 -2144 -2106 68.3 -2196 -2071 95.4 -2126 | 118.6 | 99.7 | <input checked="" type="checkbox"/> | 24 | <input type="checkbox"/> |
| ▲ Phase D                                  |   |       |      | <input checked="" type="checkbox"/> | 23 | <input type="checkbox"/> |
| Boundary<br>Transition<br>Phase C to D     | -2152 -2118 68.3 -2200 -2093 95.4 -2137   |       | 99.8 | <input checked="" type="checkbox"/> | 22 | <input type="checkbox"/> |
| R_Date<br>WK-166434 Ph C-1                 | -2018 -1896 68.3 -2125 -1781 95.4 -1954 -2018 -1896 68.3 -2126 -1781 95.4 -1954 | 0.4   | 99.7 | <input checked="" type="checkbox"/> | 21 | <input type="checkbox"/> |
| R_Date<br>OZA-344 Ph C-1                   | -2286 -2063 68.3 -2401 -2030 95.4 -2191 -2166 -2130 68.3 -2211 -2116 95.4 -2149 | 126.3 | 99.8 | <input checked="" type="checkbox"/> | 20 | <input type="checkbox"/> |
| R_Date<br>OZA-338 Ph C                     | -2286 -2063 68.3 -2401 -2030 95.4 -2191 -2166 -2130 68.3 -2211 -2116 95.4 -2149 | 126.2 | 99.8 | <input checked="" type="checkbox"/> | 19 | <input type="checkbox"/> |
| ▲ Phase C                                  |   |       |      | <input checked="" type="checkbox"/> | 18 | <input type="checkbox"/> |
| Boundary<br>Transition<br>Phase B to C     | -2202 -2136 68.3 -2240 -2127 95.4 -2159   |       | 99.5 | <input checked="" type="checkbox"/> | 17 | <input type="checkbox"/> |
| R_Date<br>Beta-100553 Ph B                 | -2341 -2145 68.3 -2457 -2065 95.4 -2256 -2211 -2141 68.3 -2253 -2137 95.4 -2169 | 106.2 | 99.3 | <input checked="" type="checkbox"/> | 16 | <input type="checkbox"/> |
| ▲ Phase B                                  |   |       |      | <input checked="" type="checkbox"/> | 15 | <input type="checkbox"/> |
| Boundary<br>Transition<br>Phase A to B     | -2210 -2143 68.3 -2268 -2141 95.4 -2181   |       | 99.1 | <input checked="" type="checkbox"/> | 14 | <input type="checkbox"/> |
| R_Date<br>Beta-138629 Ph A-1               | -2282 -2143 68.3 -2297 -2051 95.4 -2203 -2274 -2147 68.3 -2282 -2144 95.4 -2196 | 114.2 | 98.9 | <input checked="" type="checkbox"/> | 13 | <input type="checkbox"/> |
| R_Date<br>Beta-138630 Ph A-1               | -2282 -2143 68.3 -2297 -2051 95.4 -2203 -2274 -2147 68.3 -2282 -2144 95.4 -2196 | 114.2 | 98.9 | <input checked="" type="checkbox"/> | 12 | <input type="checkbox"/> |
| ▲ Phase<br>Phase A                         |   |       |      | <input checked="" type="checkbox"/> | 11 | <input type="checkbox"/> |
| Boundary<br>Start Phase A                  | -2282 -2150 68.3 -2304 -2144 95.4 -2205   |       | 98   | <input checked="" type="checkbox"/> | 10 | <input type="checkbox"/> |
| ▲ Sequence                                 |   |       |      | <input checked="" type="checkbox"/> | 9  | <input type="checkbox"/> |
| Boundary<br>End early<br>Source<br>Gamma   | -2397 -2193 68.3 -2456 -1840 95.4 -2279   |       | 96.9 | <input checked="" type="checkbox"/> | 8  | <input type="checkbox"/> |
| R_Date<br>OZB-163 Ph early Gamma           | -2399 -2203 68.3 -2458 -2148 95.4 -2291 -2445 -2279 68.3 -2456 -2213 95.4 -2337 | 93.8  | 99.7 | <input checked="" type="checkbox"/> | 7  | <input type="checkbox"/> |
| R_Date<br>OZB-161 Ph early Gamma           | -2458 -2305 68.3 -2471 -2206 95.4 -2371 -2424 -2299 68.3 -2467 -2232 95.4 -2364 | 104.6 | 99.7 | <input checked="" type="checkbox"/> | 6  | <input type="checkbox"/> |
| R_Date<br>OZB-162 Ph early Gamma           | -2459 -2309 68.3 -2470 -2209 95.4 -2376 -2424 -2299 68.3 -2467 -2234 95.4 -2366 | 102.6 | 99.8 | <input checked="" type="checkbox"/> | 5  | <input type="checkbox"/> |
| ▲ Phase<br>early Source<br>Gamma           |   |       |      | <input checked="" type="checkbox"/> | 4  | <input type="checkbox"/> |
| Boundary<br>Start early<br>Source<br>Gamma | -2501 -2325 68.3 -2865 -2234 95.4 -2439   |       | 98.2 | <input checked="" type="checkbox"/> | 3  | <input type="checkbox"/> |
| ▲ Sequence                                 |   |       |      | <input checked="" type="checkbox"/> | 2  | <input type="checkbox"/> |