

Legends of Additional Supplementary Files

Supplementary Data 1. This folder includes the following seven files: (i) “Landmark Data for Figure 6”: CSV file containing geometric morphometric landmark data used to generate Figure 6; (ii) “Landmark Data for Figure 7a,b”: CSV file with semilandmark data used to generate Figure 7a and 7b; (iii) “Landmark 60 Data for Symphyseal Surface and Figure 7c,d”: CSV file with 60 semilandmarks used to sample the symphyseal surface and generate Figure 7c and 7d; (iv) “Landmark 120 Data for Symphyseal Surface”: CSV file containing 120 semilandmarks used for sampling the symphyseal surface; (v) “Landmark Data for Figure 9”: CSV file with semilandmark data used to generate Figure 9; (vi) “Code”: Script for conducting Generalized Procrustes Analysis (GPA), Principal Component Analysis (PCA), and other morphometric analyses on 3D landmark and semilandmark data; (vii) “README”: TEXT file containing additional notes to guide users in running the code.

Supplementary Data 2. Dental measurements. Mesiodistal (MD) and buccolingual (BL) diameters (in mm) of early *Homo* and *Paranthropus robustus* deciduous and permanent teeth. L, left; R, right. I1 and I2, first and second permanent incisor, respectively. dC and C, deciduous and permanent canine, respectively. dm1 and dm2, first and second deciduous molars, respectively. P3, first premolar. M1, first permanent molar. Values provided in parentheses indicate estimated MD and BL values for developing germs, worn and or damaged teeth. Specimens are ranked based on their dental age, as in Box 1.

Supplementary Data 3. Sample of *H. sapiens* infants. List of medical CTs (Clinique Pasteur only) and micro-CTs (all other collections) representing *H. sapiens* infants used to investigate the configurations of landmarks and semi-landmarks of the maxilla and the mandibular symphysis. Age is given in months, unless specified.