

Table S1. Relevant measurements for metric analysis of long bones

|                                       | <b>Humerus</b>    | <b>Radius</b> | <b>Ulna</b> | <b>Femur</b>            | <b>Tibia</b> | <b>Fibula</b> |
|---------------------------------------|-------------------|---------------|-------------|-------------------------|--------------|---------------|
| Maximum length                        | ✓                 | ✓             | ✓           | ✓                       | ✓            | ✓             |
| Physiological length                  | –                 | –             | –           | ✓                       | –            | –             |
| Width lower epiphysis                 | ✓                 | –             | –           | ✓                       | –            | –             |
| Width upper epiphysis                 | ✓                 | –             | –           | –                       | –            | –             |
| Diaphyseal diameter (average)         | ✓                 | ✓             | –           | –                       | –            | –             |
| Diaphyseal diameter (minimum)         | ✓                 | –             | –           | –                       | –            | –             |
| Diaphyseal circumference              | –                 | –             | ✓           | ✓                       | –            | –             |
| Head diameter                         | ✓                 | –             | –           | ✓                       | –            | –             |
| Longitudinal head length              | ✓                 | –             | –           | –                       | –            | –             |
| Transverse head length                | ✓                 | –             | –           | –                       | –            | –             |
| Sagittal neck diameter                | –                 | ✓             | –           | –                       | –            | –             |
| Vertical head diameter                | –                 | –             | –           | ✓                       | –            | –             |
| Transverse head diameter              | –                 | –             | –           | ✓                       | –            | –             |
| Capitulum circumference               | ✓                 | ✓             | –           | –                       | –            | –             |
| Bicondylar width                      | –                 | –             | –           | ✓                       | ✓            | –             |
| Antero-posterior subcondylar diameter | –                 | –             | –           | ✓                       | –            | –             |
| Medio-lateral subcondylar diameter    | –                 | –             | –           | ✓                       | –            | –             |
| Anterior face diaphysis               | –                 | –             | –           | ✓                       | –            | –             |
| Medial face diaphysis                 | –                 | –             | –           | ✓                       | –            | –             |
| Notes / Special Cases                 | Epicondylar width | –             | –           | Extra for caskets 28–32 | –            | –             |

*Table S2. Relevant measurements for metric analysis of other irregular, short and long bones*

|                       | <b>Mandible</b> | <b>Clavicle</b> | <b>Sacrum</b> | <b>Calcaneus</b> | <b>Talus</b> |
|-----------------------|-----------------|-----------------|---------------|------------------|--------------|
| Maximum length        | –               | ✓               | ✓             | ✓                | ✓            |
| Maximum width         | –               | –               | ✓             | –                | –            |
| Maximum body width    | –               | –               | ✓             | –                | –            |
| Maximum wing width    | –               | –               | ✓             | –                | –            |
| Bicondylar width      | ✓               | –               | –             | –                | –            |
| Bigonial length       | ✓               | –               | –             | –                | –            |
| Ramus height          | ✓               | –               | –             | –                | –            |
| Minimum ramus width   | ✓               | –               | –             | –                | –            |
| Maximum ramus width   | ✓               | –               | –             | –                | –            |
| Body height           | ✓               | –               | –             | –                | –            |
| Body thickness        | ✓               | –               | –             | –                | –            |
| Condyle length        | ✓               | –               | –             | –                | –            |
| Symphyseal height     | ✓               | –               | –             | –                | –            |
| Notes / Special Cases | –               | –               | –             | –                | –            |

Table S3. Anthropometric investigations

|                                   | <b>Bones</b>        | <b>Method</b>   | <b>Notes</b>   |
|-----------------------------------|---------------------|---|--|
| <b>Skeletal Sex Determination</b> | Long bones          | Metric analysis based on the listed bone dimensions   | error percentage per bone calculated with multiple regression formulas                             |
| <b>Age at Death</b>               | Long bones          | Ubelaker's (Buikstra and Ubelaker 1994)   | sex differences in epiphyseal fusion timing  |
|                                   |                     | Suchey & Brooks (Brooks and Suchey, 1990.)  | symphyseal facet of pubis (male symphyseal facet transformation scale) Applied if present          |
|                                   | Pelvic bones        | Meindl & Lovejoy (Lovejoy et al. 1985)  | auricular surface of ilium (reference scale identical for both sexes)                              |
|                                   | Cranial vault       | Acsadi & Nemeskeri (Acsadi and Nemeskeri, 1972)   | fusion of coronal, sagittal, and lambdoid sutures Applied if vault minimally fragmented            |
|                                   | All bones in casket | Comparison of age ranges among bones to determine age of majority of bones                              | Final age expressed as a range   |
| <b>Stature</b>                    | Long bones          | Trotter & Gleser (Trotter and Gleser 1952), Ronchi (Ronchi et al., 1990), Introna (Introna et al. 1995) | average of 3 estimated heights per bone  |
|                                   | All bones in casket | Average of heights from bone segments calculated to determine individual's stature                      | Reference range from min to max; caskets 5, 7, 10, 28, 30, 31, 32: point value from single element |