

Bone Surface Mapping: a new method for recording detailed human bone surface variation: Supplementary Materials

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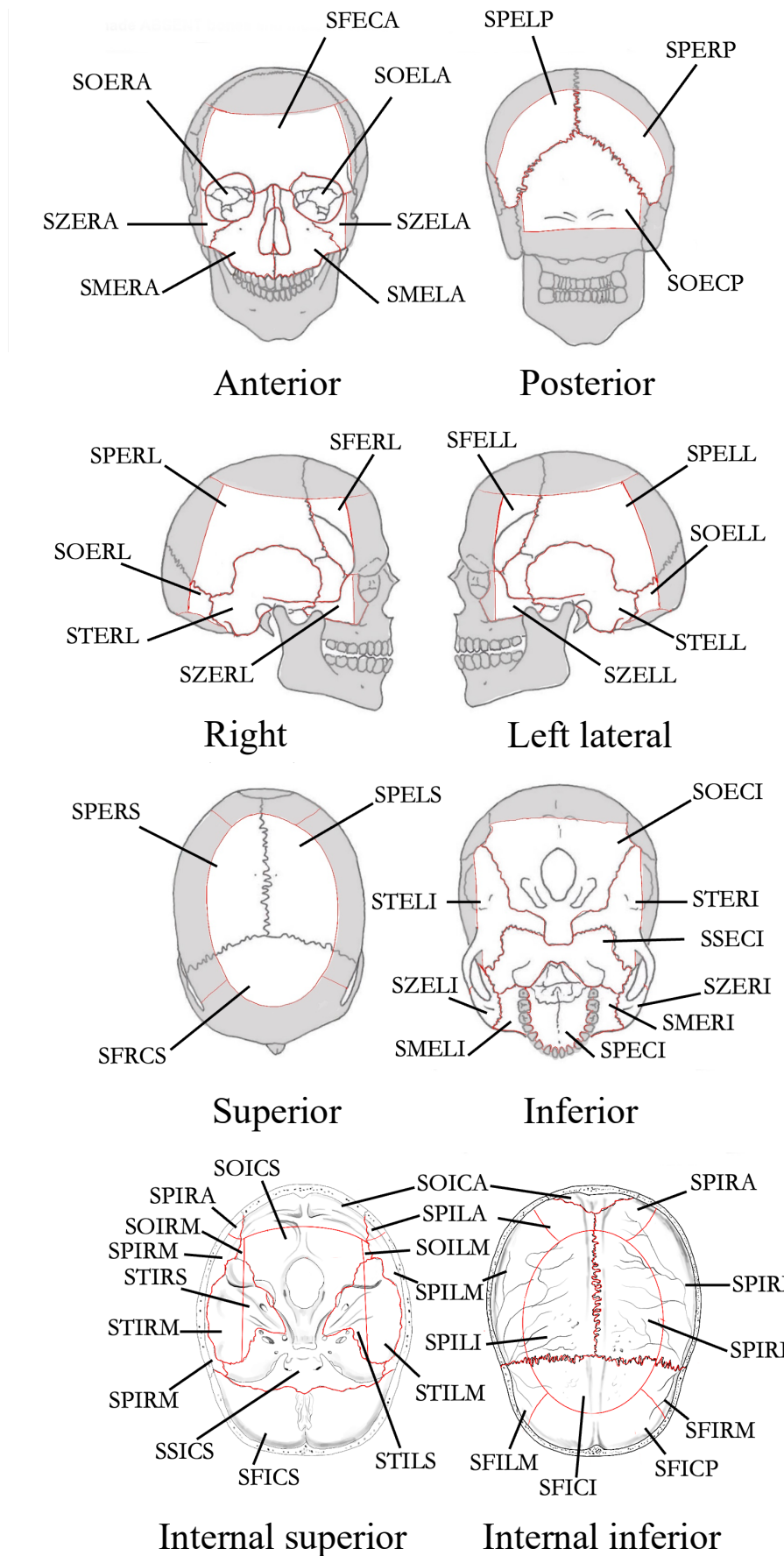
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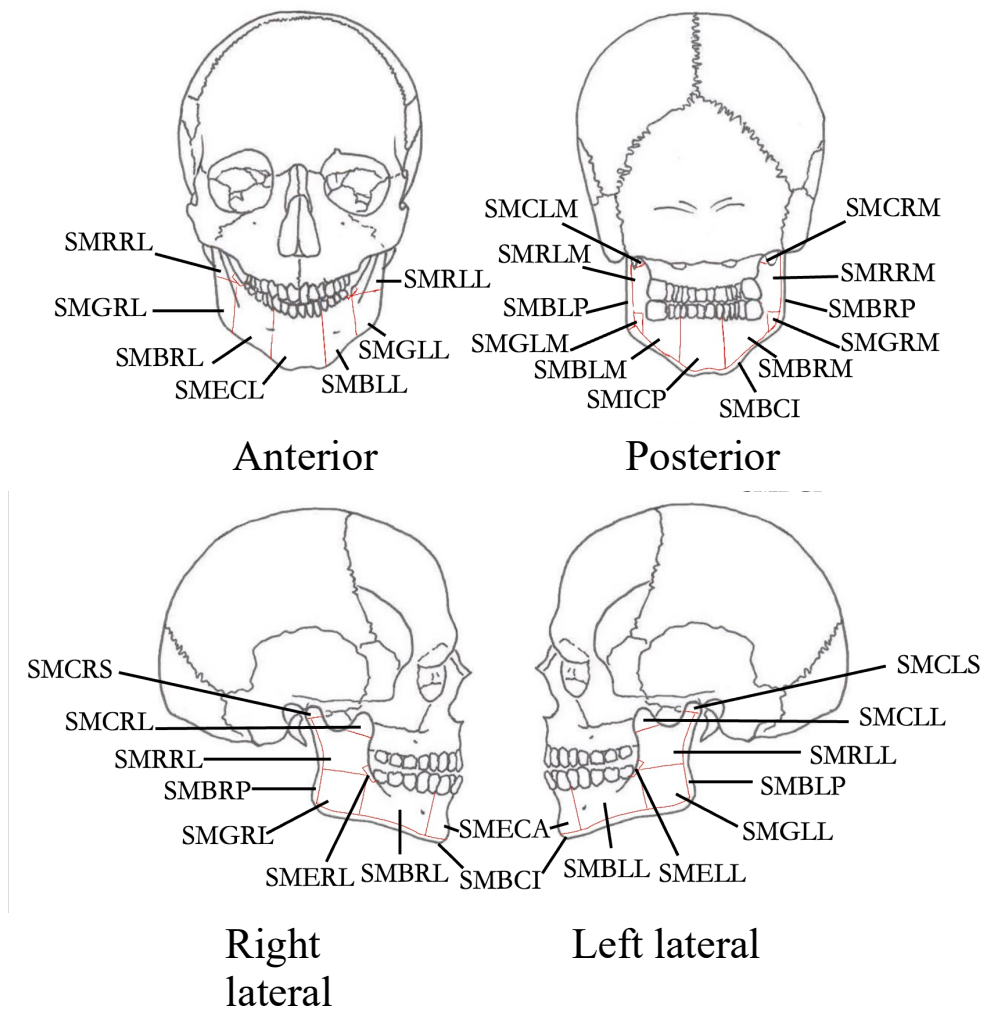
This document presents supplementary figures 1-17, which are anatomical diagrams of the human skeleton illustrating bone faces labelled with the abbreviations that can be found in Supplementary Materials 2. Figure 18 provides a graphical representation of the presence or absence of ochre across bone faces of individuals from the case study assemblage from Khok Phanom Di, Thailand.

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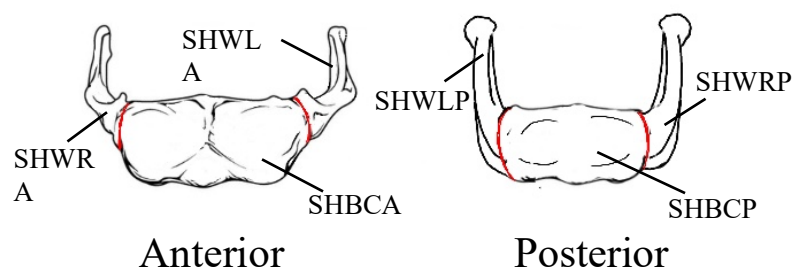
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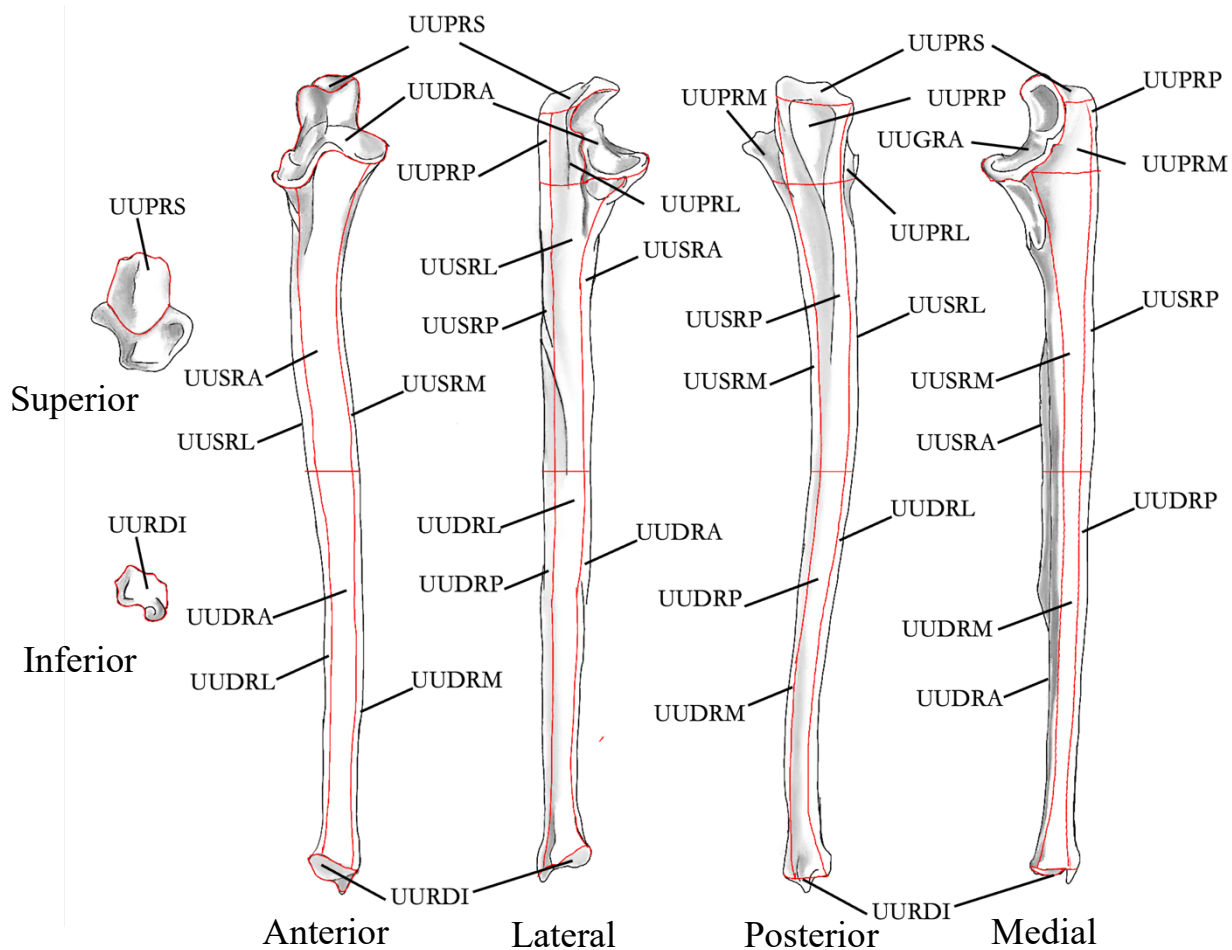
Supplementary Figure 1. External and internal human skull with bone face label abbreviations.



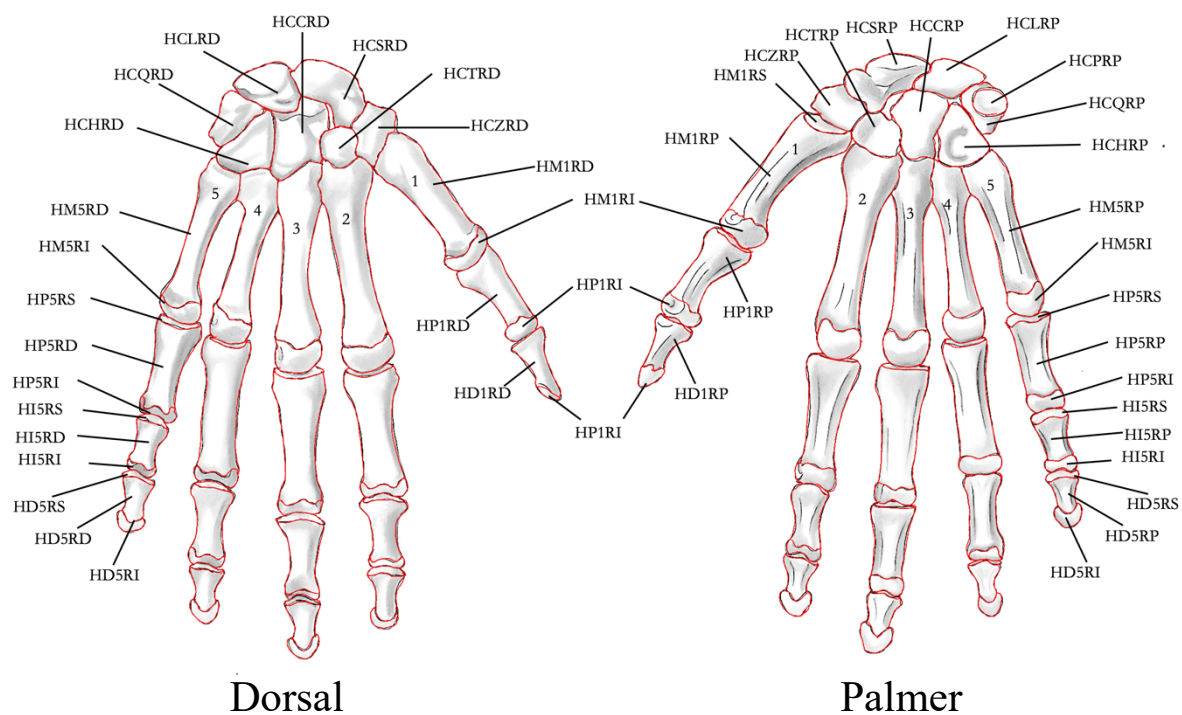
Supplementary Figure 2. Human mandible with bone face label abbreviations.



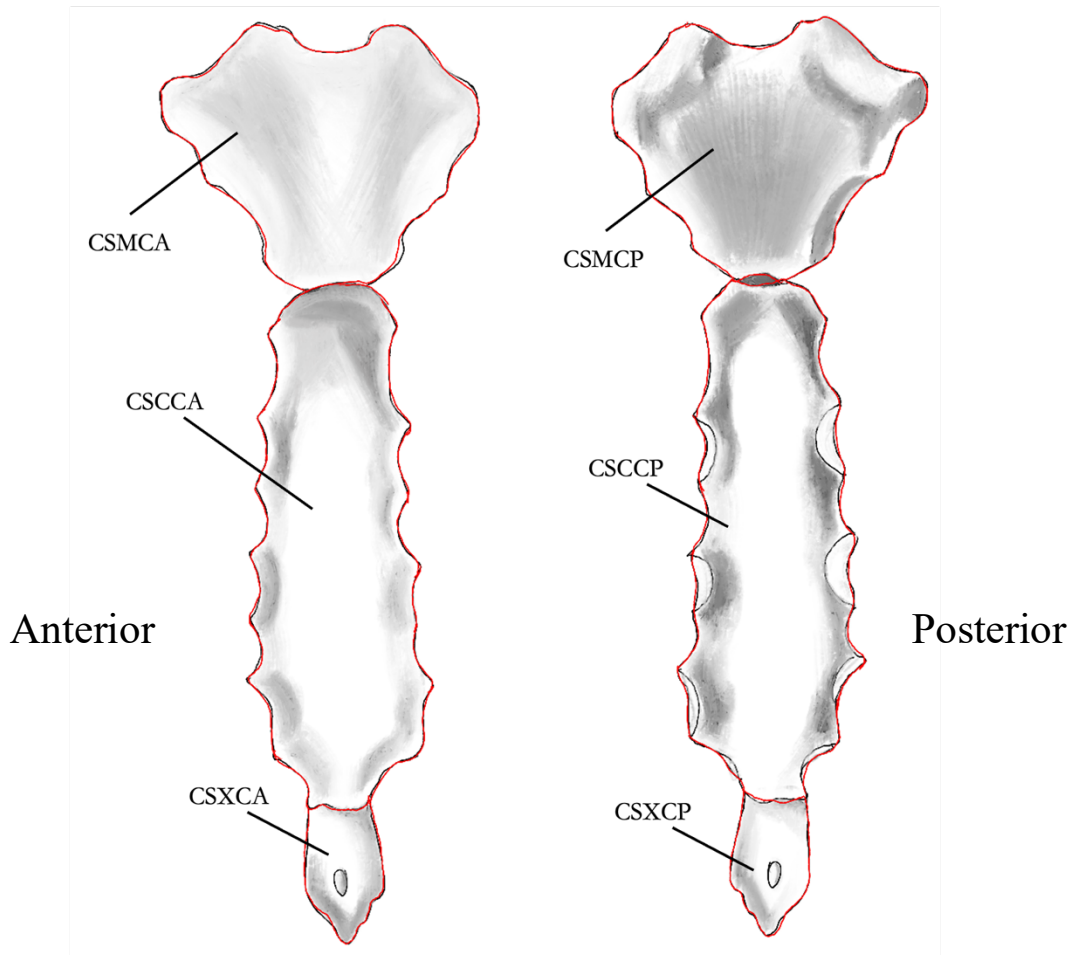
Supplementary Figure 3. Human hyoid with bone face label abbreviations.



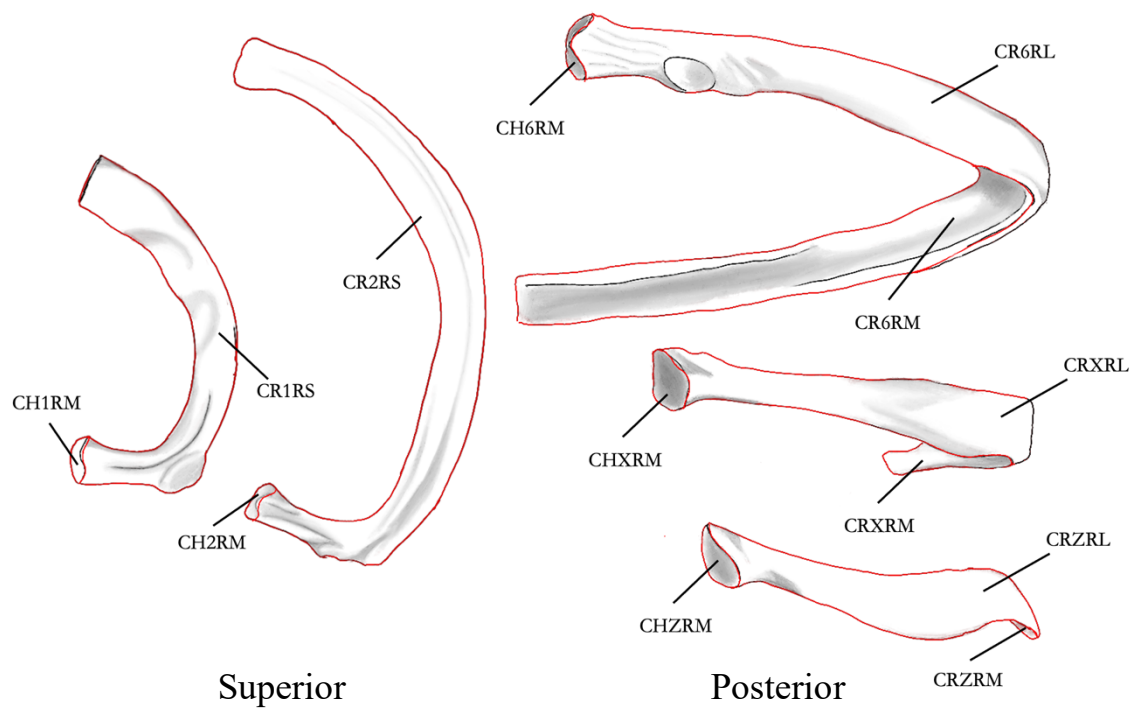
Supplementary Figure 8. Human right ulna with bone face label abbreviations.



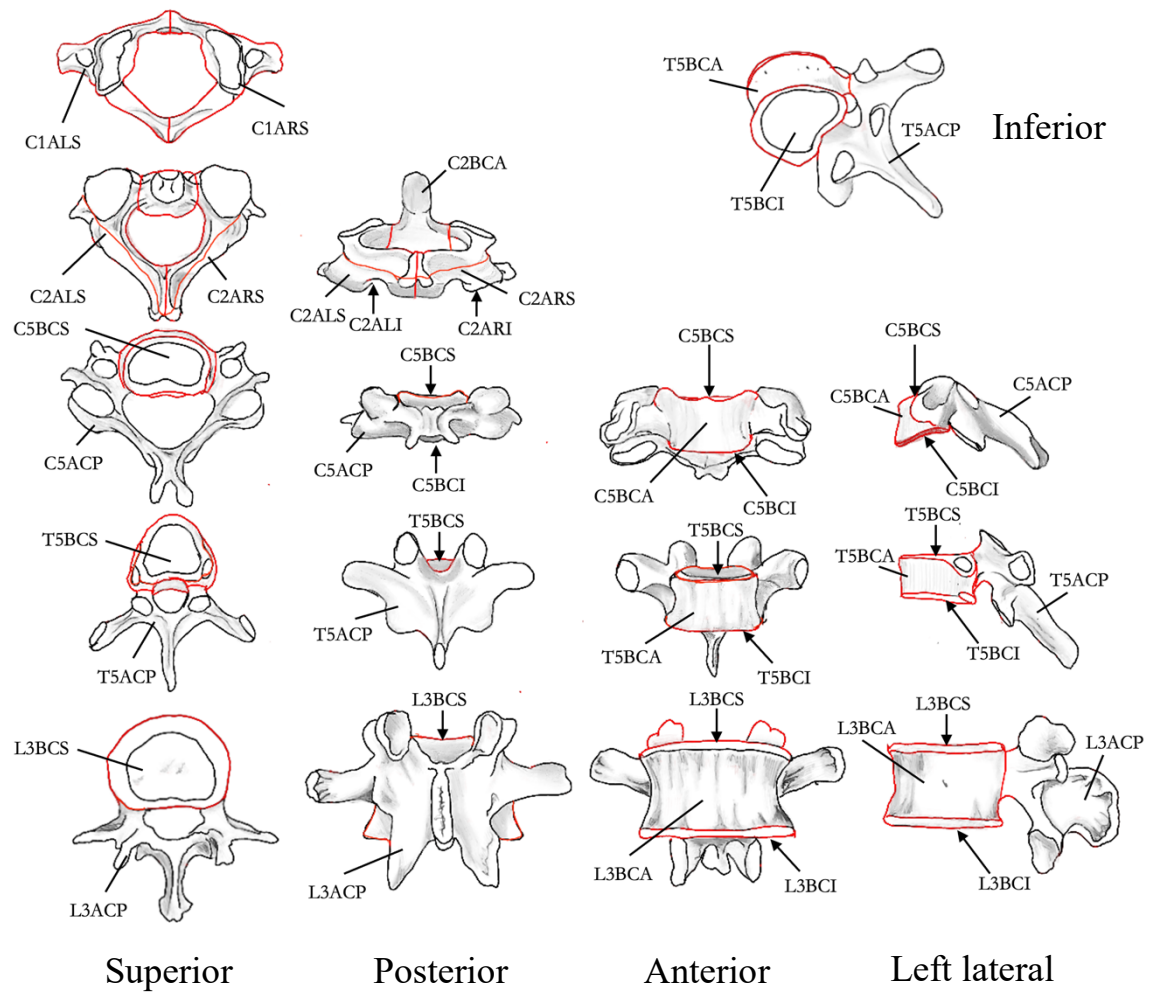
Supplementary Figure 9. Human right hand with bone faces identified and illustrative label abbreviations.



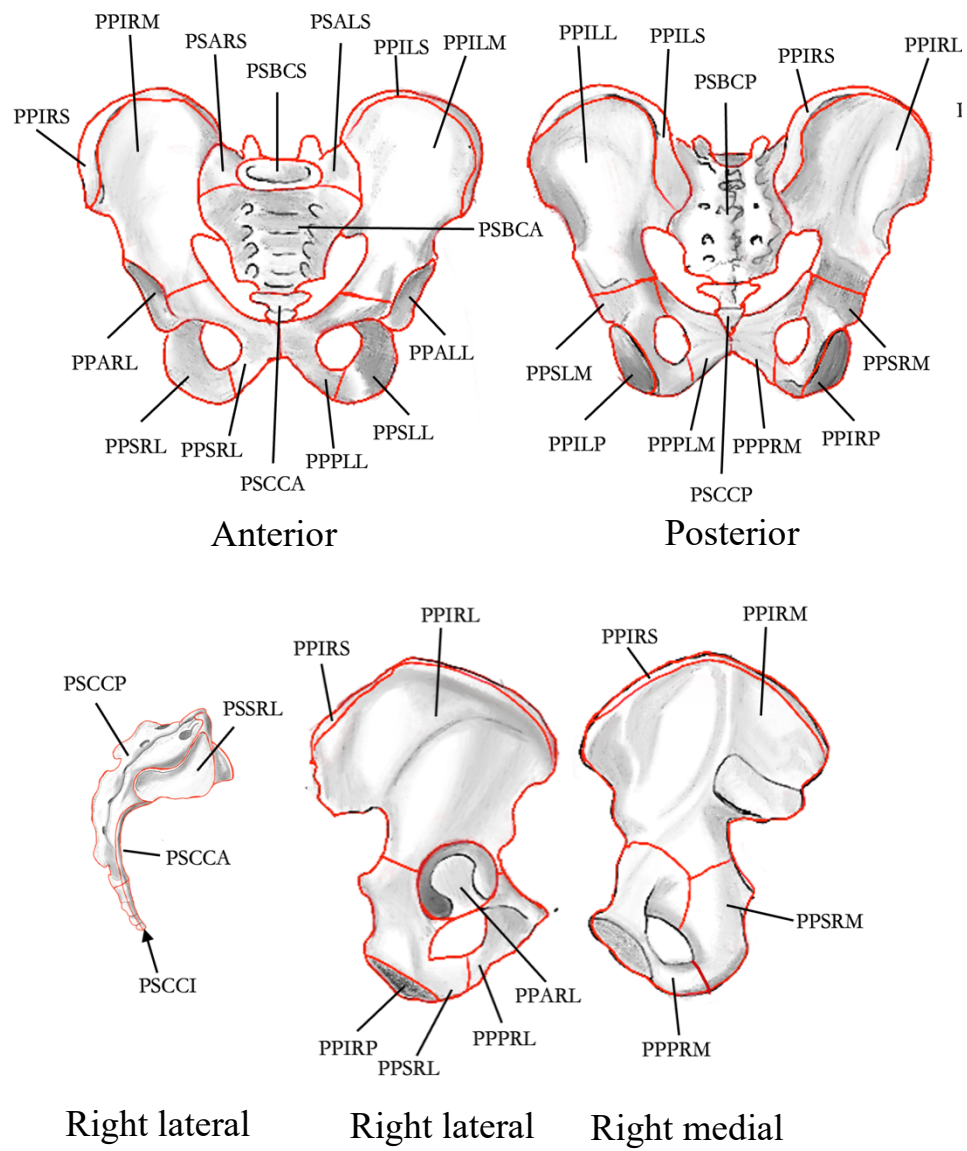
Supplementary Figure 10. Human sternum with bone face label abbreviations.



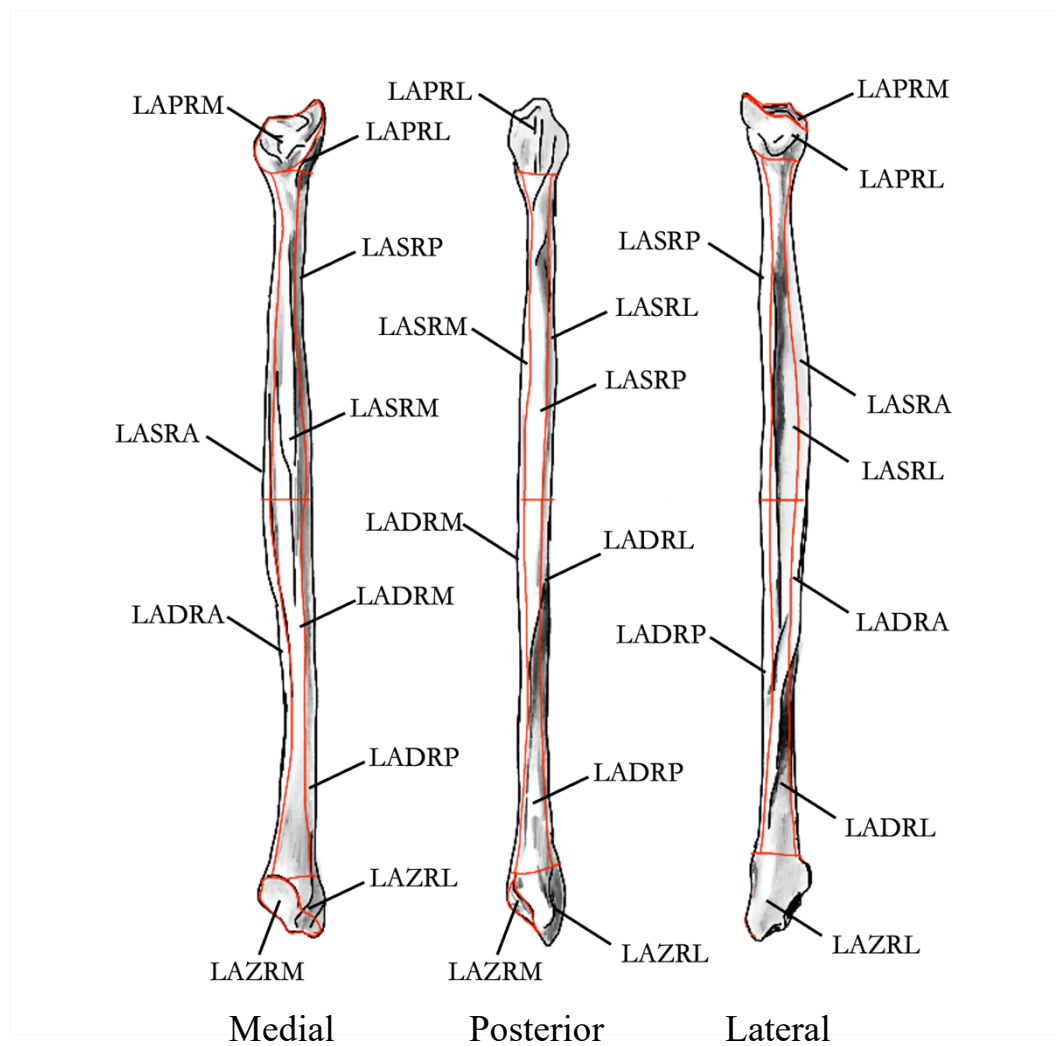
Supplementary Figure 11. Human right ribs with bone faces identified and illustrative label abbreviations.



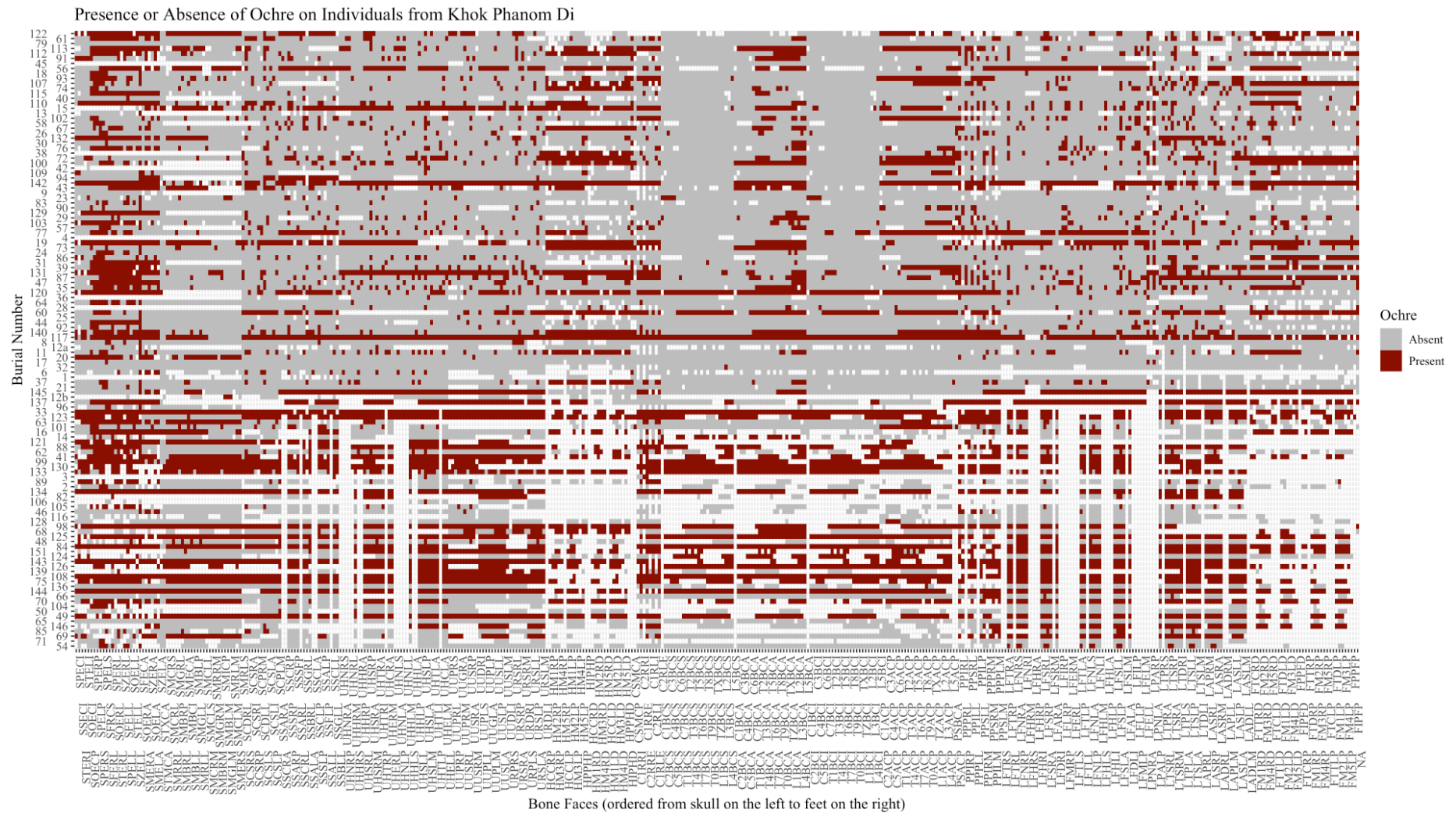
Supplementary Figure 12. Human vertebrae with bone faces identified and illustrative label abbreviations.



Supplementary Figure 13. Human pelvis (os coxa and sacrum) with bone faces identified and illustrative label abbreviations.



Supplementary Figure 16. Human right fibula with bone face label abbreviations.



Supplementary Figure 18. The presence or absence of ochre on 424 bone faces, across an assemblage of 152 individuals. Individuals on the y axis are ordered by age (youngest at the bottom); on the x axis bone faces ordered head to toe (skull on the left). Red tiles indicate faces with ochre, grey those without pigment, white tiles show missing faces. Each single tile represents a single face of a single individual.

Table 1. Replicability study responses - scapula.

Participant	Experience	Time (m)	SSRLA	SSILP	SSALP	SSALL	SSALA	SSBLL	SSCLA	SSCLP	SSSLP	SSFLP	SSBLM	SSCLL	SSGLL
1	4	00:20:00	1	1	1	1	0	0	0	0	0	0	0	0	0
2	1	00:23:00	1	1	1	1	0	0	0	0	0	0	0	0	0
3	5	02:23:00	1	1	1	1	1	0	0	0	0	0	0	0	0
4	1	01:00:00	1	1	1	1	0	0	0	0	0	0	0	0	0
5	5	01:00:00	1	1	1	1	1	1	0	0	0	0	0	0	0
6	5	01:30:00	1	1	1	1	0	0	0	0	0	0	0	0	0
7	3	00:53:00	1	1	1	1	0	0	0	0	0	0	0	0	0
8	2	01:05:00	1	1	1	1	0	0	0	0	0	0	0	0	0
9	4	03:00:00	1	1	1	1	0	0	0	0	0	0	0	0	0
10	4	00:46:00	1	1	1	1	0	0	0	0	0	0	0	0	0

Table 2. Replicability study responses - humerus.

Participant	Experience	Time (m)	UHSR A	UHER M	UHSR L	UHTR I	UHN RS	UHTR A	UHN RA	UHN RP	UHH RM	UHH RS	UHH RA	UHH RP	UHSR P	UHSR M	UHDR L	UHDR P	UHDR A	UHDR M	UHTR P	UHC R A	UHER L
1	4	01:23:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	01:00:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	5	00:57:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	00:30:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	5	03:00:00	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	5	02:00:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	3	02:25:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	2	01:04:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	4	03:00:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	4	02:42:00	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0