

### CRANIAL NON-METRIC TRAITS

<b>Specimen No:</b>	<b>Site/Project:</b>	<b>Sex:    M        F        ?</b>
<b>Burial Number:</b>	<b>Recorder:</b>	<b>Age:</b>
<b>Institution:</b>		<b>Date Examined (mm/dd/yyyy):</b>
	<b>Non-metric Trait</b>	<b>Left    Right</b>
1	<b>Metopic suture</b> 0=absent; 1=present; 2 trace only; 3=persists on glabella; 4=horizontal ridge; 5=other; 6=horizontal + vertical	
2	<b>Frontal groove</b> 0=absent; 1=single; 2=multiple	
3	<b>Supraorbital structure</b> 0=absence; 1=single foramen; 2=double foramen; 3=single notch; 4=double notch; 5=notch + foramen; 6=medial spurred notch; 7=lateral spurred notch; 8=medial + lateral spurred notch	
4	<b>Spina trochlea</b> 0=absent; 1=present	
5	<b>Infraorbital foramen</b> 0=absent; 1=single; 2=double (two); 3=divided	
6	<b>Zygo-facial foramen</b> 0=absent; 1=single; 2=double; 3=three or more	
7	<b>Infraorbital suture</b> 0=absent; 1=present	
8	<b>Multiple ethmoidal foramina</b> 0=absent; 1=present	
9	<b>Nasal frontal suture</b> 1=round; 2=angled; 3=flattened; 4=omega; 5=irregular	
10	<b>Nasal bone shape</b> 1=rectangle; 2=triangle; 3=hour-glass; 4=irregular	
11	<b>Nasal suture deflection</b> 0=none; 1=right; 2=left; 3=irregular	
12	<b>Subnasal</b> 1=sharp; 2=blurred; 3=groove; 4=sulcus	
13	<b>Marginal tubercle</b> 0=none; 1=slight; 2=moderate; 3=marked	
14	<b>Palatine torus</b> 0=none; 1=straight mound; 2=medium mound; 3=marked mound; 4=long, narrow ridge; 5=lump (irregular); 6=cleft palate	
15	<b>Os japonicum</b> 0=none; 1=present; 2=trace anterior; 3=trace posterior; 4=trace anterior and posterior; 5=internal only	
16	<b>Maxillary torus</b> 0=none; 1=lingual; 2=buccal; 3=lingual + buccal	
17	<b>Pterygo-spinous bridge</b> 0=none; 1=basal ridge; 2=basal + foramen; 3=spinous bridge; 4=spinous + foramen; 5=basal + spinous bridge; 6=spino-basal bridge	
18	<b>Ovale-spinosum</b> 1=normal; 2=spinosum open; 3=ovale spinosum confluence; 4=ovale enlarged; 5=divided ovale; 6=ovale open; 7=ovale and spinosum open	
19	<b>Anterior condylar canal</b> 1=single; 2=divided; 3=spurred; 4=double; 5= divided + spurred	
20	<b>Posterior condylar canal</b> 1=single; 2=divided; 3=spurred; 4=double; 5= divided + spurred	
21	<b>Precondylar</b> 0=absent; 1=facet medial; 2=slight tubercle bilateral; 3=moderate tubercle bilateral; 4=R+L-; 5=R-L+; 6=R+; 7=L+; 8=R-; 9=L-	
22	<b>Jugular foramen asymmetry</b> 0=R=L; 1=R>L; 2=R<L	
23	<b>Pharyngeal fossa</b> 0=none; 1=present; 2=>mm in depth	
24	<b>Ossified apical</b> 0=absent; 1=slight; 2=medium; 3=marked	
25	<b>Paramastoid</b> 0=absent; 1=slight; 2=medium; 3=marked	
26	<b>Mastoid suture</b> 0=absent; 1=present	
27	<b>Mastoid suture exsutural</b> 1=temporal bone; 2=occipito-mastoid suture; 3=occipital bone; 4=suture + temporal (2 foramina); 5=suture and occipital	
28	<b>Cribrra orbitalia</b> 0=absent; 1=present; 2=trace	
29	<b>Parietal foramen</b> 0=absent; 1=single; 2=double; 3=triple; 4=4 or more; 5=on suture; 6=single + suture; 7=double + suture; 8=triple + suture; 9=single but enlarged	
30	<b>Coronal wormian</b> 0=none; 1=single; 2=two; 3=three; 4=four; 5=five; 6=six or more	
31	<b>Bregmatic bone</b> 0=none; 1=bone; 2=bulge; 3=small wormian	
32	<b>Sagittal wormian</b> 0=none; 1=single; 2=two; 3=three; 4=four; 5=five; 6=six or more	
33	<b>Lamboidal wormian</b> 0=none; 1=single; 2=two; 3=three; 4=four; 5=five; 6=six or more	

**CRANIAL NON-METRIC TRAITS (Continued)**

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34	<b>Lambdic bone</b> 0=absent; 1=wormian bone; 2=bone; 3= <i>os inca</i> ; 4=half <i>os inca</i> ; 5=tripartite <i>os inca</i> ; 6= <i>os inca</i> + bone; 7=bipartite <i>os inca</i> ; 8=trace; 9=1/3 <i>os inca</i>					
35	<b>Vault form</b> 1= <i>haus</i> form; 2=hayrick; 3=round; 4=triangular					
36	<b>Sagittal keeling</b> 0=none; 1=slight; 2=medium; 3=marked; 4=slight groove; 5=medium groove; 6=marked groove; 7=anterior ridge and posterior depression					
37	<b>Occipital form</b> 1=mound; 2=ridge; 3=inion; 4=mound + ridge; 5=mound + inion; 6=ridge + inion; 7=mound + ridge + inion; 8=bilateral ridge					
38	<b>Sagittal-bregma deflection</b> 0=none; 1=right; 2=left; 3=irregular					
39	<b>Pterion</b> 1=H-form; 2=I-form; 3=X-form; 4=epipteric bone; 5=K-form; 6=multiple epipteric bones; 7=K + epipteric; 8=narrow H-form					
40	<b>Parietal notch</b> 0=none; 1=present; 2=bone					
41	<b>Asterionic bone</b> 0=absent; 1=present					
42	<b>Tympanic thickening</b> 0=absent; 1=present					
43	<b>Tympanic dehiscence</b> 0=absent; 1=present					
44	<b>Tympanic marginal foramen</b> 0=absent; 1=present					
45	<b>Auditory exostoses</b> 0=absent; 1=present					
46	<b>Mandibular torus</b> 0=none; 1=slight; 2=medium; 3=marked					
47	<b>Mylohyoid bridge</b> 0=none; 1=arch [proximal bridge]; 2=distal bridge; 3=complete [proximal + distal bridge] 4=spur [incipient bridge]					
48	<b>Multiple mandibular foramina</b> 0=absent; 1=present					
49	<b>Multiple mental foramen</b> 0=absent; 1=present					
50	<b>Rocker jaw</b> 0=none; 1=present complete; 2=partial, anterior; 3=partial, posterior					
51	<b>Chin form</b> 0=median point; 1=bilateral point; 2=median + bilateral; 3=median + angled inferiorly; 4=bilateral + angled inferiorly; 5=medial + bilateral + angled; 6=angled inferiorly					
52	<b>Ramus shape</b> 1=coronoid > condyle; 2=condyle > coronoid; 3=condyle=coronoid					