**Supplementary Information, File 6**

NISP and percentages of fish remains from LGM, Early Holocene and Middle Holocene SubAggs.

| **Anatomic region/** | **Expected** | **Total** | | **LGM** | | **Early Holocene** | | **Middle Holocene** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Skeletal element-Cranial** |
|  | N | **NISP** | **%** | **NISP** | **%** | **NISP** | **%** | **NISP** | **%** |
| **Olfactory Region (n=6)** |  |  |  |  |  |  |  |  |  |
| Ethmoid | 1 | 0 | 0 |  |  |  |  |  |  |
| Vomer | 1 | 5 | 0.65 |  |  | 1 | 0.20 | 4 | 1.47 |
| Prefrontal | 2 | 2 | 0.26 |  |  | 1 | 0.20 | 1 | 0.37 |
| Nasal | 2 | 0 | 0.00 |  |  |  |  |  |  |
| **Orbital Region (n=16)** |  |  |  |  |  |  |  |  |  |
| Frontal | 2 | 0 | 0.00 |  |  |  |  |  |  |
| Lachrymal | 2 | 1 | 0.13 |  |  |  |  | 1 | 0.37 |
| Alisphenoid | 2 | 1 | 0.13 |  |  | 1 | 0.20 |  |  |
| Total orbital Series | 10 | 0 | 0.00 |  |  |  |  |  |  |
| **Otic Region (n=23)** |  |  |  |  |  |  |  |  |  |
| Epiotic | 2 | 1 | 0.13 |  |  | 1 | 0.20 |  |  |
| Exoccipital | 2 | 7 | 0.91 |  |  | 4 | 0.81 | 3 | 1.10 |
| Opisthotic | 2 | 0 | 0.00 |  |  |  |  |  |  |
| Pareital | 2 | 0 | 0.00 |  |  |  |  |  |  |
| Posttemporal | 2 | 5 | 0.65 |  |  | 3 | 0.61 | 2 | 0.73 |
| Prootic | 2 | 0 | 0.00 |  |  |  |  |  |  |
| Pterotic | 2 | 0 | 0.00 |  |  |  |  |  |  |
| Sphenotic | 2 | 2 | 0.26 |  |  |  |  | 2 | 0.73 |
| Supraoccipital | 1 | 0 | 0.00 |  |  |  |  |  |  |
| Supraoccipital crest | 1 | 6 | 0.78 |  |  | 6 | 1.22 |  |  |
| Otolith | 6 | 1 | 0.13 |  |  |  |  | 1 | 0.37 |
| **Basicranial Region (n=3)** |  |  |  |  |  |  |  |  |  |
| Basioccipital | 1 | 6 | 0.78 |  |  | 2 | 0.41 | 4 | 1.47 |
| Basisphenoid | 1 | 0 | 0.00 |  |  |  |  |  |  |
| Parasphenoid | 1 | 11 | 1.43 |  |  | 9 | 1.83 | 2 | 0.73 |
| **Oromandibular region (n=20)** |  |  |  |  |  |  |  |  |  |
| Premaxilla | 2 | 29 | 3.78 |  |  | 18 | 3.65 | 11 | 4.03 |
| Maxilla | 2 | 12 | 1.56 |  |  | 8 | 1.62 | 4 | 1.47 |
| Dentary | 2 | 26 | 3.39 |  |  | 21 | 4.26 | 5 | 1.83 |
| Articular&Angular | 4 | 35 | 4.56 |  |  | 18 | 3.65 | 17 | 6.23 |
| Palatine | 2 | 1 | 0.13 |  |  | 1 | 0.20 |  |  |
| Ectopterygoid | 2 | 4 | 0.52 |  |  |  |  | 4 | 1.47 |
| Metapterygoid | 2 | 0 | 0.00 |  |  |  |  |  |  |
| Endopterygoid | 2 | 1 | 0.13 |  |  |  |  | 1 | 0.37 |
| Quadrate | 2 | 21 | 2.74 | 1 | 0.25 | 6 | 1.21 | 14 | 5.13 |
| **Hyoid region (n=16)** |  |  |  |  |  |  |  |  |  |
| Hyomandibular | 2 | 30 | 3.91 |  |  | 15 | 3.04 | 15 | 5.5 |
| Symplectic | 2 | 0 | 0.00 |  |  |  |  |  |  |
| Interhyal | 2 | 0 | 0.00 |  |  |  |  |  |  |
| Epihyal | 2 | 8 | 1.04 |  |  | 4 | 0.81 | 4 | 1.47 |
| Ceratohyal | 2 | 9 | 1.17 |  |  | 2 | 0.41 | 7 | 2.56 |
| Hypohyal | 4 | 1 | 0.13 |  |  |  |  | 1 | 0.37 |
| Urohyal | 1 | 5 | 0.65 |  |  | 3 | 0.61 | 2 | 0.73 |
| Glossihyal | 1 | 1 | 0.13 |  |  |  |  | 1 | 0.37 |
| **Opercular Series (n=8)** |  |  |  |  |  |  |  |  |  |
| Peropercular | 2 | 14 | 1.83 |  |  | 7 | 1.42 | 7 | 2.56 |
| Opercular | 2 | 17 | 2.22 |  |  | 12 | 2.43 | 5 | 1.83 |
| Interopercular | 2 | 4 | 0.52 |  |  | 3 | 0.61 | 1 | 0.37 |
| Subopercular | 2 | 2 | 0.26 |  |  |  |  | 2 | 0.73 |
| **Branchial Arch (n=40)** |  | 0 | 0.00 |  |  |  |  |  |  |
| Pharyngeal bone | 4 | 4 | 0.52 |  |  | 2 | 0.40 | 2 | 0.73 |
| Epibranchial | 6 | 0 | 0.00 |  |  | 1 | 0.20 |  |  |
| Ceratobranchial | 8 | 2 | 0.26 |  |  | 1 | 0.20 | 1 | 0.37 |
| Hypobranchial | 8 | 2 | 0.26 |  |  | 1 | 0.20 | 1 | 0.37 |
| Basibranchial | 8 | 7 | 0.91 |  |  | 6 | 1.22 | 1 | 0.37 |
| Pharyngobranch | 6 | 0 | 0.00 |  |  |  |  |  |  |
| Branchiostegal ray |  | 1 | 0.13 |  |  | 1 | 0.20 |  |  |
| Crania fragments |  | 0 | 0.00 |  |  |  |  |  |  |
| **Postcranial** |  |  |  |  |  |  |  |  |  |
| **Appendicular skeleton (n=16)** |  |  |  |  |  |  |  |  |  |
| Pelvis | 2 | 13 | 1.69 |  |  | 9 | 1.83 | 4 | 1.47 |
| Pelvic Spines | 2 | 9 | 1.17 |  |  | 3 | 0.61 | 6 | 2.20 |
| Cleithrum | 2 | 11 | 1.43 |  |  | 5 | 1.01 | 6 | 2.2 |
| Coracoid | 2 | 1 | 0.13 |  |  |  |  | 1 | 0.37 |
| D.Postcleithrum | 2 | 10 | 1.30 |  |  | 1 | 0.20 | 9 | 3.30 |
| V.Postcleithrum | 2 | 1 | 0.13 |  |  | 1 | 0.20 |  |  |
| Scapula | 2 | 13 | 1.69 |  |  | 6 | 1.21 | 7 | 2.56 |
| Supracleithrum | 2 | 0 | 0.00 |  |  |  |  |  |  |
| **Vertebral column** |  | 0 | 0.00 |  |  |  |  |  |  |
| Atlas | 1 | 8 | 1.04 |  |  | 6 | 1.21 | 2 | 0.73 |
| Axis | 1 | 8 | 1.04 |  |  | 7 | 1.42 | 1 | 0.37 |
| Thoracic vertebrae |  | 23 | 3.00 |  |  | 19 | 3.85 | 4 | 1.47 |
| 1st precaudal vert. | 1 | 2 | 0.26 |  |  | 1 | 0.20 | 1 | 0.37 |
| Precaudal vert. | 1 | 27 | 3.52 | 1 | 0.25 | 11 | 2.23 | 16 | 5.86 |
| Caudal vert. |  | 34 | 4.43 |  |  | 27 | 5.48 | 7 | 2.56 |
| Ultimate vert. | 1 | 15 | 1.96 |  |  | 12 | 2.4 | 3 | 1.10 |
| Haemal spine | nd | 4 | 0.52 |  |  | 1 | 0.20 | 3 | 1.10 |
| Last tail vert hypural | nd | 27 | 3.52 |  |  | 20 | 4.06 | 7 | 2.56 |
| Vertebrae | nd | 126 | 16.43 | 1 | 0.25 | 100 | 20.28 | 26 | 9.52 |
| **Median Fin** (n=?) |  |  |  |  |  |  |  |  |  |
| 1st dorsal pterygiophgore | 1 | 25 | 3.26 |  |  | 18 | 3.65 | 7 | 2.56 |
| Pterygiophore | 1 | 36 | 4.69 |  |  | 28 | 5.68 | 8 | 2.93 |
| 1st dorsal spine | 1 | 3 | 0.39 |  |  | 1 | 0.20 | 2 | 0.73 |
| Fin spines | nd | 57 | 7.43 |  |  | 37 | 7.50 | 20 | 7.33 |
| Fin rays | nd | 11 | 1.43 | 1 | 0.25 | 6 | 1.20 | 4 | 1.47 |
| Ribs | nd | 19 | 2.48 |  |  | 16 | 3.24 | 3 | 1.10 |
| **Total** | **156** | **767** |  | **4** |  | **493** |  | **273** |  |