

2. Fish Skulls

2.1 Checklist of fish skull bones and features by cranial region

Neurocranium

Basioccipital *
Supraoccipital
Exoccipital
Prootic

Splanchnocranium

Articular
Quadrate
Hyomandibula

Shark Chondrocranium

Rostrum
Nasal Capsule
Orbit
Otic Capsule

* *know as isolated element*

Dermatocranium

Frontal
Parietal
Vomer
Parasphenoid *
Premaxilla
Maxilla *
Dentary *
Palatine
Ectopterygoid
Pterygoid
Lacrimal
Orbital bones
Nasal
Opercular Series
Operculum
Preoperculum
Suboperculum
Interoperculum

2.2 Checklist of teleost skull and skeletal elements by region

Chondrocranium

Mesethmoid
Ethmoid
Sphenoid series
 Sphenethmoid
 Orbitosphenoid
 Basisphenoid
 Pleurosphenoid
Occipital series
 Supraoccipital
 Exoccipital
 Basioccipital
Otic capsule
 Sphenotic
 Epiotic
 Prootic

Splanchnocranium

Branchial arch 1
 Articular
 Quadrate
 Epipterygoid
Branchial arch 2
 Hyomandibula
 Symplectic
 Interhyal
 Ceratohyal
 Hypohyal
 Basilhyal
Branchial arch 3
 Pharygobranchial
 Epibranchial
 Ceratobranchial
 Hypobranchial

Dermatocranium

Vault series
 Frontal
 Parietal
 Postparietal
Facial series
 Premaxilla
 Maxilla
 Nasals
Orbital series
 Supraorbital
 Lacrima
 Suborbital
 Prefrontal
 Postfrontal
 Postorbital
 Jugal
Mandibular series
 Dentary
 Angular
 Surangular
 Coronoids
 Prearticular
 Splenia

Limb girdles

Opercular series
 Opercular
 Preopercular
 Subopercular
 Interopercular
 Branchiostegals
Pectoral girdle
 Posttemporal
 Supracleithrum
 Scapula
 Cleithrum
 Postcleithrum
 Coracoid
 Mesocoracoid
 Radials
Pelvic girdle
 Basipterygium
 Interhaemal spine