

## Muscles Associated with Skeletal Elements of First Visceral Arch

| Group                   | Function  | Muscle                                 | Ancestral Homology                  | Germ Layer |
|-------------------------|-----------|--|-------------------------------------|------------|
| Fish                    | Raise Jaw | Adductor Mandibulae                    | Branchiomic Adductor VA I           | Ecto.      |
| Tetrapods (non-mammals) | Raise Jaw | Adductor Mandibulae                    | Adductor Mandibulae                 | Ecto.      |
| Mammals                 | Raise Jaw | Temporalis<br>Masseter<br>Pterygoideus | Adductor Mandibulae (into 3 pieces) | Ecto.      |

| Group                   | Function  | Muscle               | Ancestral Homology                            | Germ Layer |
|-------------------------|-----------|----------------------|---|------------|
| Fish                    | Lower Jaw | Coraco-Mandibularis  | Hypobranchial Myotome                         | Meso.      |
| Tetrapods (non-mammals) | Lower Jaw | Depressor Mandibulae | Branchiomic Dorsal Constrictor VA II          | Ecto.      |
| Mammals                 | Lower Jaw | Digastric            | Branchiomic Ventral Constrictors VA I & VA II | Ecto.      |