**Table S2**

Brief anatomical description of the position of cranium landmarks for two ontogenetic stages.

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| Dorsal side | Landmark | Position |
| Stage 62 | 1 | Anterior tip of premaxilla |
| 2, 3 | Lateral tip of premaxilla |
| 4, 5 | Most anterior point of otic capsule |
| 6, 7 | Most posterior point of otic capsule |
| 8 | Posterior end of parietal bones |
| Metamorphic  stage | 1 | Anterior tip of premaxilla |
| 2, 3 | Lateral tip of premaxilla |
| 4, 5 | Suture between frontal and parietal |
| 6, 7 | Suture between parietal and squamosum |
| 8, 9 | Most posterior point of occipital |
| 10 | Medial tip of the occipital |
| Ventral side |  |  |
| Stage 62 | 1 | Anterior tip of premaxilla |
| 2,3 | Lateral tip of premaxilla |
| 4, 5 | Quadrate, most lateral jaw point |
| 6, 7 | Lateral tip of occipital condyle |
| 8 | Most posterior point of parasphenoid |
| Metamorphic stage | 1 | Anterior tip of premaxilla |
| 2, 3 | Lateral tip of premaxilla |
| 4, 5 | Quadrate, most lateral jaw point |
| 6, 7 | Lateral tip of occipital condyle |
| 8 | Most posterior point of parasphenoid |