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Figure 2. Left: Simplified histological schematics of the investigated taxa placed in a phylogenetic context with head shield outlines displaying morphological similarities. Right: Three-dimensional reconstructions of a *Thyestes verrucosus* head shield fragment.

Some of the generated 3D data have not yet been published, but is expected to be included in additional work for further exploration of osteostracan dermal bone architecture in a phylogenetic context and aiming for a better understanding of the emergence of the jawed vertebrate body plan.

References

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- Bremer, O, Qu, Q, Sanchez, S, Märss, T, Fernandez, V, & Blom, H. 2023. Exploring the three-dimensional vasculature of dermal hard tissues in thyestiid osteostracans using synchrotron radiation microtomography. *Journal of vertebrate paleontology*, <https://doi.org/10.1080/02724634.2023.2196318>