

Figure S29. Scale coverings of the three *Sinocyclocheilus* species. The photos on the right show the anterior trunk scales including lateral line scales. Sg shows normal trunk scales and expanded lateral line scales; Sr shows rudimentary trunk scales and expanded lateral line scales; and Sa shows rudimentary trunk scales and lateral line scales.

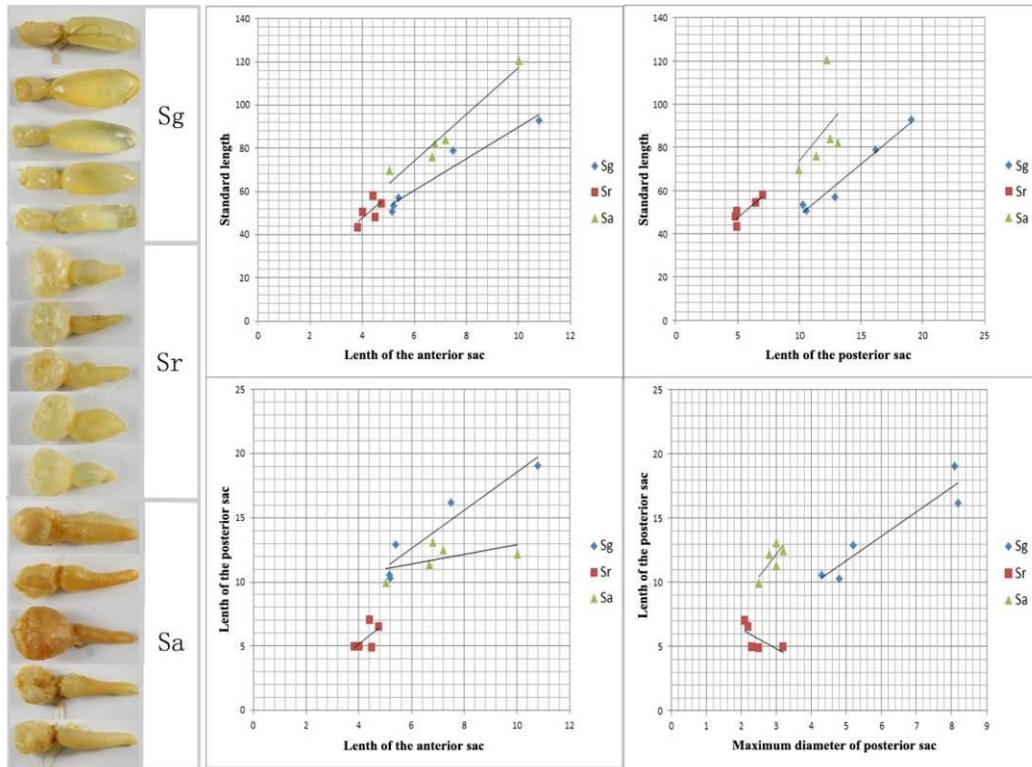


Figure S30. Morphology of the swim bladder of the three *Sinocyclocheilus* species. The photos on the left show the soft texture of the swim bladder in *Sg* and *Sr*, while it is somewhat harder in *Sa*. The posterior sac of the cavefish *Sa* has degenerated to a long tube. The data are provided in the scatter plots on the right.

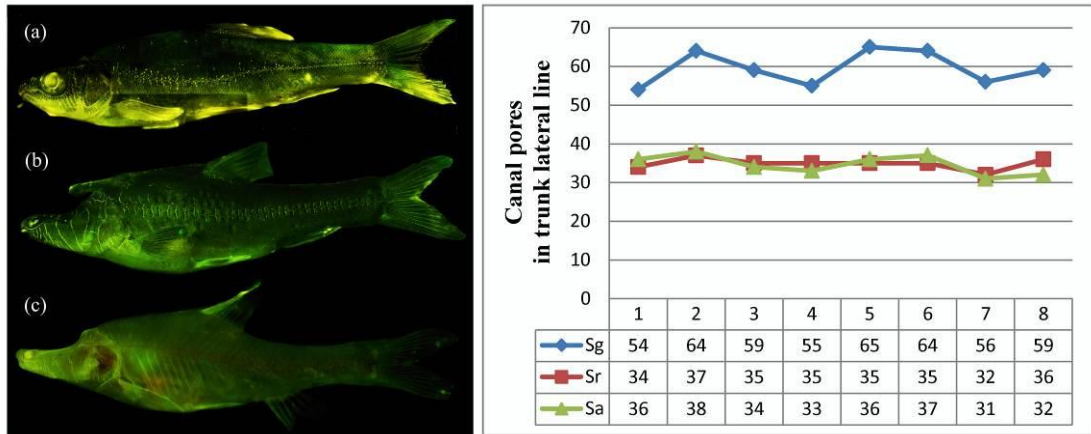


Figure S31. Trunk lateral line system in the three *Sinocyclocheilus* species. The photos on the left show distributions of neuromasts in the body surface (including trunk lateral line) after DASPEI staining of (a) Sg, (b) Sr and (c) Sa. The line chart in the right shows the number of lateral scales in the adult fishes.

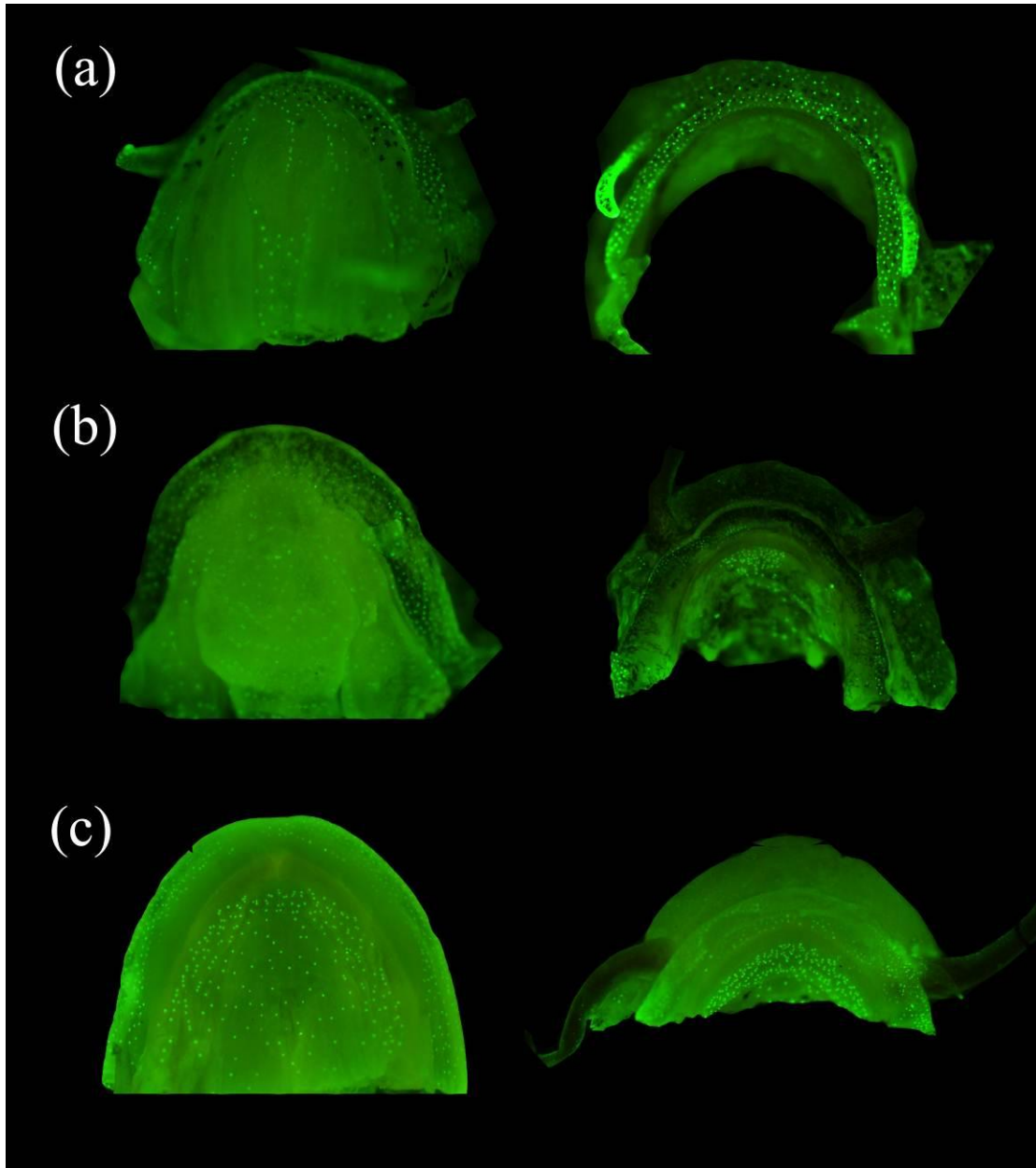


Figure S32. Taste buds on the outer lower jaw (left) and inner upper jaw (right) of (a) Sg, (b) Sr and (c) Sa. This figure shows that taste bud density within the jaw of the adult fishes increases in the following order: $Sg < Sr < Sa$.