

TABLE S3 | Morphometric data of *Psalidodon cremnobates* from the Mampituba (UFRGS 16286 (10 of 22), 16290 (2 of 4), 16294 (4 of 8), 17203 (4 of 7), 17205 (3), 17212 (3 of 14) and Jacuí (type-series) river drainages, and of *P. brachypterygium* from the rio Uruguai (type-series) drainage populations. N = Number of specimens, SD = Standard deviation.

| | <i>P. cremnobates</i> | | | | | | | | <i>P. brachypterygium</i> | | | |
|------------------------------------|-----------------------|-----------|------|-----|-------------|-----------|------|-----|---------------------------|-----------|------|-----|
| | Mampituba River | | | | Jacuí River | | | | Uruguai River | | | |
| | N | Range | Mean | SD | N | Range | Mean | SD | N | Range | Mean | SD |
| Standard length (mm) | 26 | 38.9–63.7 | 49.5 | – | 59 | 28.9–81.9 | 46.1 | – | 43 | 27.2–58.3 | 41.9 | – |
| Percents of standard length | | | | | | | | | | | | |
| Predorsal distance | 26 | 51.7–58.2 | 55.0 | 1.6 | 59 | 55.2–65.3 | 57.6 | 1.1 | 43 | 55.7–64.0 | 58.5 | 1.5 |
| Prepelvic distance | 26 | 46.7–53.3 | 49.8 | 1.7 | 59 | 48.2–52.4 | 50.4 | 1.0 | 43 | 48.8–54.3 | 51.3 | 1.0 |
| Prepectoral distance | 26 | 24.4–30.5 | 28.3 | 1.3 | 59 | 25.8–31.5 | 28.7 | 1.2 | 43 | 26.7–31.9 | 29.1 | 1.2 |
| Preanal distance | 26 | 65.7–73.5 | 68.9 | 1.8 | 59 | 66.6–74.0 | 69.6 | 1.5 | 43 | 67.7–74.5 | 71.4 | 1.6 |
| Depth at dorsal-fin origin | 26 | 29.0–33.7 | 31.1 | 1.3 | 59 | 30.9–37.8 | 33.4 | 1.3 | 43 | 27.5–38.0 | 33.4 | 1.9 |
| Caudal peduncle depth | 26 | 10.1–12.1 | 11.2 | 0.6 | 59 | 10.4–14.2 | 12.1 | 0.6 | 43 | 12.2–15.3 | 13.6 | 0.7 |
| Caudal peduncle length | 26 | 12.1–17.1 | 14.3 | 1.3 | 59 | 11.9–14.2 | 13.0 | 0.6 | 43 | 11.9–14.4 | 13.0 | 0.7 |
| Anal-fin base | 26 | 18.2–24.1 | 21.0 | 1.8 | 59 | 18.4–24.1 | 21.4 | 1.4 | 43 | 17.0–23.3 | 19.9 | 1.3 |
| Dorsal-fin length | 24 | 23.4–29.6 | 26.0 | 1.9 | 58 | 22.4–28.4 | 25.2 | 1.3 | 42 | 23.6–29.3 | 26.4 | 1.6 |
| Pelvic-fin length (m) | 14 | 17.1–20.3 | 18.4 | 1.1 | 18 | 16.8–20.8 | 18.5 | 1.0 | 18 | 17.5–20.4 | 19.1 | 0.8 |
| Pelvic-fin length (f) | 12 | 13.6–17.4 | 15.6 | 1.2 | 41 | 14.4–18.7 | 16.1 | 0.9 | 25 | 15.0–18.5 | 16.4 | 1.0 |
| Pectoral-fin length (m) | 14 | 20.6–24.4 | 22.2 | 1.1 | 18 | 21.3–24.2 | 22.8 | 0.8 | 18 | 22.2–26.1 | 24.0 | 1.0 |
| Pectoral-fin length (f) | 12 | 18.6–22.6 | 20.4 | 1.1 | 41 | 18.6–23.4 | 20.8 | 1.0 | 25 | 18.9–24.2 | 21.0 | 1.4 |
| Head length | 26 | 26.5–30.1 | 28.2 | 0.8 | 59 | 27.6–31.9 | 29.7 | 1.1 | 43 | 27.8–33.2 | 29.9 | 1.2 |
| Percents of head length | | | | | | | | | | | | |
| Snout length | 26 | 22.0–27.3 | 24.5 | 1.6 | 59 | 22.9–27.4 | 25.0 | 1.1 | 43 | 20.7–26.8 | 23.7 | 1.3 |
| Upper jaw length | 26 | 41.1–50.2 | 44.9 | 2.2 | 59 | 40.4–48.9 | 44.4 | 1.6 | 43 | 39.8–46.8 | 43.8 | 1.5 |
| Orbital diameter | 26 | 30.2–35.4 | 33.1 | 1.6 | 59 | 28.1–35.4 | 32.1 | 1.9 | 43 | 24.8–34.8 | 29.0 | 2.7 |
| Interorbital width | 26 | 26.1–31.9 | 29.3 | 1.4 | 59 | 25.7–33.6 | 28.7 | 1.5 | 43 | 27.5–35.6 | 31.4 | 1.9 |



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