

Supplemental Tables

Sup. Table 1. Morphometric measurements of two species with newly recorded ranges of *Sicyopus* from Sumatera, Indonesia

Sex	<i>S. rubicundus</i>		<i>S. zosterophorus</i>	
	male	female	male	female
number of specimens	3	3	5	4
Standard length (mm SL)	34.5–38.2	37.5–40.7	33.1–38.8	33.3–34.8
% in SL				
Head length	23.9–26.0	23.1–24.0	25.5–27.6	24.8–26.6
Snout to 1st dorsal origin	36.5–37.6	37.8–38.0	36.3–38.5	36.8–38.9
Snout to 2nd dorsal origin	58.0–61.4	61.1–63.3	57.1–60.1	57.7–61.9
Snout to anus	51.8–55.5	54.8–57.0	50.7–54.4	53.7–56.7
Snout to anal fin origin	57.2–61.2	62.0–62.6	55.2–59.2	60.4–61.8
Prepelvic length	23.5–24.9	21.1–21.6	24.0–25.4	22.0–23.7
Caudal peduncle length	15.5–17.6	16.2–16.3	14.2–17.1	13.3–16.5
Caudal peduncle depth	9.8–10.5	10.0–10.9	11.9–13.7	10.5–12.7
First dorsal fin base	9.9–12.3	10.3–11.6	17.6–21.5	15.2–17.7
Second dorsal fin base	20.3–22.9	20.5–21.0	22.3–25.9	19.9–22.5
Anal fin base	20.9–23.2	18.3–19.3	21.9–23.3	20.2–21.6
Caudal fin length	21.9–24.3	19.8–22.2	24.2–26.9	24.6–28.0
Pectoral fin length	20.5–23.3	17.6–20.7	22.0–25.0	19.4–22.8
Pelvic fin length	12.7–14.5	15.1–16.1	12.3–14.2	12.5–15.1
Body depth of pelvic fin origin	12.7–15.3	11.9–12.4	15.1–16.5	13.2–16.0
Body depth of anal fin origin	12.9–13.6	12.5–13.7	15.0–16.4	14.7–15.4
Body width of anal fin origin	11.8–15.1	11.4–12.3	13.7–15.5	12.0–13.1
Pelvic fin origin to anus	23.8–30.0	33.6–34.6	25.3–28.4	31.2–33.7
% in HL				
Snout length	24.0–29.4	27.2–28.5	23.4–27.0	19.3–24.1
Eye diameter	21.7–23.9	23.0–25.1	19.3–22.2	23.0–25.8
Postorbital length	39.6–44.7	44.1–47.7	45.9–48.4	46.3–50.7
Check depth	18.2–22.3	18.1–22.2	18.4–20.7	16.5–17.1
Head width in upper gill opening	52.2–54.0	52.6–55.2	50.2–55.8	50.1–56.1
Head width in maximum	75.9–76.7	73.7–77.1	70.1–78.3	69.9–79.1
Fleshy interorbital width	32.6–35.5	30.7–34.3	35.5–39.4	26.4–31.1
Bony interorbital width	11.9–14.9	12.3–13.6	17.4–20.0	13.0–16.6
Lower jaw length	31.8–37.9	32.7–34.0	32.3–38.4	29.4–33.9
% in CPL				
Caudal peduncle depth	59.5–63.4	61.5–67.3	79.1–86.8	71.7–85.6

Sup. Table 2. Meristic characters comparison of *S. rubicundus* and *S. zosterophorus*. Characters of two sexes are presented as left/right whenever available.

Characters	<i>S. rubicundus</i>		<i>S. zosterophorus</i>		
	This study	Keith <i>et al.</i> 2014a	This study	Bleeker, 1856	Keith <i>et al.</i> 2015
1 st dorsal-fin rays	IV-V/V	V/V	VI/ VI	VI	VI
2 nd dorsal-fin rays	I,9/ I,9	I,9/ I,9	I,9/ I,9	I,9–10	I,9
Anal-fin rays	I,10/ I,10	I,9–10	I,10/ I,10	I,9–10	I,10
Pectoral-fin rays	16/16	15/15	15/15	15	15–16
Pelvic-fin rays	I,5/ I,5	I,5/I,5	I,5/ I,5	I,5	I,5
Lateral scale rows	39–41/35–38	35–41	29–31/27–31	-	31–37
Transverse scale rows	16–17/16–17	10–16	10–11	-	10–12
Predorsal scale rows	0/0	0/0	0–3/5–8	-	0–4
Upper jaw teeth	11–14/21–25	6–9/12–16	9–15/17–21	-	4–18/11–24
Lower jaw teeth	7–8/6–7	3–6/3–11	8–12/8–10	-	4–10/5–12

Sup. Table 3. Morphological characters to distinguish eight species of *Sicyopus*.

Species	1 st dorsal fin	2 nd dorsal fin	Anal fin	Pectora l fin	Lateral scale	Transverse scale	Predorsal scale	Male's coloration	Source
<i>S. auxilimentus</i>	VI	I,9	I,9	14–15	18–23	4–12	absent	head greyish without indistinct colouration. Body scales on anterior part with bluish margin. Posterior body to caudal base entirely reddish or orange.	Keith <i>et al.</i> 2015
<i>S. beremensis</i>	VI	I,9	I,10	16–17	35–42	12–15	absent	head and body with three black and orange alternating bands.	Keith <i>et al.</i> 2019
<i>S. discordipinnis</i>	V–VI	I,9	I,9	14–15	30–43	9–13	0–4	ventral half of body, from origin of anal fin to caudal fin base with bright red. A dusky to blackish band extending laterally from behind pectoral base to below origin of second dorsal fin.	Keith <i>et al.</i> 2015
<i>S. jonklaasi</i>	V–VI	I,9	I,9	15–17	32–39	9–13	absent	upper lip bright red. Posterior third of body with bright red, especially the caudal peduncle area.	Keith <i>et al.</i> 2015
<i>S. lord</i>	VI	I,9	I,10	15	35–43	12–18	absent	head and body with three blackish bands, extending posteriorly.	Keith <i>et al.</i> 2015
<i>S. multisquamus</i>	VI	I,10	I,10	17	47	16	0–4	colour in preservative: body with yellowish brown background, some brown blotches along midline of body.	Keith <i>et al.</i> 2015
<i>S. rubicundus</i>	IV–V	I,9	I,9–10	15–16	35–41	16–17	absent	body without vertical and horizontal dusky to blackish bands; ventral side of head and posterior half of ventral body with orange-redish colour.	This study; Keith <i>et al.</i> 2014a
<i>S. zosterophorus</i>	VI	I,9	I,10	15	27–31	10–11	0–8	body with 4–5 blackish vertical bars; body scales with brown spots margin; dorsal and anal fins with orange-redish and brownish colour.	This study; Keith <i>et al.</i> 2015