

Beaufortia niulanensis Chen, Huang & Yang, 2009

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Sample number 3, Holotype + 2 Paratypes
n=3

type series placed in Kunming Institute of Zoology, Yunnan, China PR (KIZ)

Holotype:

KIZ2006004660; TL 48.1 mm, SL 37.9mm; 2006-11-27

Yunnan province, Zhanyi town, Deze village, beneath Tongxing Bridge
Middle reaches of Niulan Jiang, Yangtze basin; N 26°01', E 103°37', 1603 m asl

Paratypes:

KIZ2006004659; TL 48.6 mm, SL 39.2 mm, same locality as holotype

KIZ2006004658; TL 48.5 mm, SL 39.7 mm, same locality as holotype

SL 37.9 - 39.7 mm

Niulan Jiang

牛栏江

Meristics.

DIII,7; AII,5; PI,27; VI,21

Lateral line scales 90-95

Tab.1

Main character of *B. niulanensis* sp. nov.

	Holotype	Paratypes		Average
	KIZ2006004660	KIZ2006004658	KIZ2006004659	n=3
TL [mm]	48.1	48.5	48.6	48.4
SL [mm]	37.9	39.7	39.2	38.9
Morphometrics.				
<i>in SL</i>				
Body depth	16.6%	15.7%	18.0%	16.8%
Body width	23.0%	20.2%	20.7%	21.3%
Head length	21.5%	20.4%	19.3%	20.4%
Caudal peduncle length	12.5%	11.4%	12.6%	12.2%
Caudal peduncle depth	9.5%	8.4%	9.2%	9.0%
Predorsal length	54.0%	51.3%	49.6%	51.6%
Prepelvic length	33.7%	34.3%	35.8%	34.6%
<i>in HL</i>				
Snout length	51.0%	54.4%	63.5%	56.3%
Head width	107.0%	97.9%	111.9%	105.6%
Eye diameter	16.5%	16.4%	16.1%	16.3%
Interorbital distance	59.7%	55.9%	65.3%	60.3%
Mouth width	31.3%	28.4%	32.1%	30.6%
Body depth	31.3%	28.4%	32.1%	30.6%

Description.

Head and anterior dorsum horizontally depressed, caudal peduncle vertically depressed.

Snout rounded, lips thin. Postorbital length bigger than 2 times mouth length.

Snout below eye with tubercles.

Mouth very small, inferior, crescent shaped.

Fleshy lips. Upper lip w/o distinct papillae. Lower lip with prominent central groove, dividing lower lip into 2 sections.

Each sections with an additional medium groove. Both lips connected in rictus.

Mandibular free. Upper lip rounded with slight central concave, groove extending from concave down to rictus.

Rostral fold in front of groove, divided in 3 leaves. Leaves margin round. Between the leaves there are 2 barbels.

1 pair of barbel at rictus; slightly longer than rostral barbels.

Nostrils comparatively small, nostril flaps well developed.

Eyes size medium, located dorsoventrally.

Interorbital space broad, convex.
 Gill opening very small, located above pectoral fin.
 Scales small. Upper head and between paired fins not scaled.
 Central longitudinal stripe along the flank.
 Origin of dorsal fin distinctly behind origin of pelvic fin. Addressed dorsal fin opposite addressed pelvic fin.
 Paired fins very broad, flat, and rounded.
 Origin of pectoral fin between nostril and eye.
 End of pectoral fin opposite origin of dorsal fin.
 Anal fin base length 2 times in dorsal fin base.
 Anal fin addressed don't reach caudal fin.
 Ancillary pelvic flap well developed.
 Pelvic fin suctorial, base of posterior fin rays not fused. Pelvic fin base rounded.
 Pelvic fin rays end close to anus.
 Caudal fin slightly longer than head length.
 Caudal fin obliquely shaped, lower rays longer than upper.
 Coloration in formalin.
 Upper head and dorsum grey-black, abdomen and lower head pale yellow.
 Upper head no pattern. 2 indistinct, brownish, vertical bars anterior to dorsal fin.
 5 indistinct, red-brownish, vertical bars behind dorsal fin.
 Dorsal and caudal fin with 1 red-brownish bar. Anal fin with 1 indistinct red-brownish bar.
 Pectoral and pelvic fin with small brownish spots.

Tab.2
Comparison of *B. niulanensis* sp. nov. with two similar species

	<i>B. niulanensis</i> sp. nov.	<i>B. szechuanensis</i>	<i>B. intermedia</i>
collection locality	Yunnan, Zhanyi 云南沾益	Szechuan Le Shan, Jin Shan 四川乐山, 金山	Guizhou, Sandu 贵州三都县
water basin	Yangtze River	Yangtze River	Pearl River
pelvic fin rays	1,21	1,17-20	1,24
lateral line scales	90-95	98-106	81-86
origin of pectoral fin	between nostril and eye	before eye	at the nostril
origin of dorsal fin	opposite of 2/3 of pelvic base (dorsal located comparatively rearwards)	opposite of pelvic, slightly posterior of median of base	opposite of 2/3 of pelvic base (dorsal located comparatively rearwards)
anus location	close to pelvic fin rays	do not reach pelvic margin far away	close to or reaches pelvic margin

The new species is similar to *B. szechuanensis* and *B. intermedia* ;
 there are differences in lateral line scales, pelvic fin ray counts, location of dorsal fin and anus.

derived from Chen, Huang & Yang (2009) by ME, 2009-09-26

References:

- Chen, Y. Y. et al. (eds) 1998: [Fauna Sinica. Osteichthyes. Cypriniformes II]. - Beijing [Chinese, with English keys to the species]
 Chen, Z. M., Huang Y. F. & Yang J. X. 2009: A new species of the genus *Beaufortia* from Yunnan Province, China (Cypriniformes: Homalopteridae). - Acta Zootaxonomica Sinica, 34 (3), 639-641 [Chinese, with English abstracts]
 Tang, W. Q. & Wang, D. Z. 1997: A new species of the genus *Beaufortia* from Guizhou Province, China. Cypriniformes: Homalopteridae. - Zoological Research 1997, 18 (1): 19-22 [Chinese, with English abstract]