

# **Re-description of external morphology and factors affecting body and tail shape of the stone frog tadpoles<sup>\*</sup>**

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## **SUPPLEMENTARY MATERIAL**

**Table S1.** Qualitative measures of morphological characters.



spiracle (vertical axis)																		
15.1 lateral (sinister)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16. length of spiracle																		
16.1 short										X	X	X				X	X	
16.2 long	X	X	X	X	X	X	X	X	X				X	X	X		X	X
17. position of the spiracle (longitudinal axis)																		
17.1 in the middle third of the body	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
18. Inclination of the spiracle																		
18.1 posterodorsally (inclined)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
19. termination of the spiracle (inner or centripetal wall)																		
19.1 free and short	X	X	X				X	X		X	X	X	X			X		
19.2 free and long																		
19.3 adhered to the body				X	X	X			X					X	X	X	X	X
20. width of the spiracle																		
20.1 long		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X
20.2 narrow	X				X													
21. Width of aperture of the spiracle																		
21.1 large (> 0.5 max. wid.)	X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X
21.2 narrow (<0.5 max. wid.)		X										X						











**Table S2.** Setting of 17 marks for lateral view and 14 for dorsal view used in geometric morphometry analyses. Semilandmarks are indicated with SL.

Marks - side view	Description
1	Most anterior point of the body
2	Nostril opening
3	Point in the maximum anterior curvature of the eye
4	Point at the maximum posterior curvature of the eye
5	Point in the maximum dorsal curvature of the body
6	Dorsal fin insertion point in the body
7	Point at the top joint of the tail-body musculature
8	Most anterior point on the axis of the tail myomers
9	Point at the bottom joint of the tail-body musculature
10	Opening the butt tube
11	Point in the maximum ventral curvature of the body
12	Later point of the joint oral-body disc
13	Anterior point of the joint oral-muzzle disc
14	Point at the maximum curvature of the dorsal fin
15	Point on the upper margin of the tail musculature at the angle of point 14 (SL)
16	Point at the maximum curvature of the ventral fin
17	Point on the lower margin of the tail musculature at the angle of point 16 (SL)
Marks - dorsal View	
1	Most anterior point of the body
2	Nostril opening
3	Point on the margin of the body at the angle of point 2
4	Point at the maximum bottom curvature of the eye

- 5 Point at the maximum upper curvature of the eye
- 6 Point on the body margin at angle to point 5
- 7 Point at right angle the opening of the blowhole
- 8 Point on lateral junction in the tail-body musculature
- 9 Dorsal fin start
- 10 Central point between Milestones 3 and 6 (SL)
- 11 Central point between Mark 6 and 7 (SL)
- 12 Point marking the first third between Mark 7 and 8 (SL)
- 13 Point marking the second third between Mark 7 and 8 (SL)
- 14 Central point between Milestones 1 and 3 (SL)
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