

**Ontogenetic and interspecific variation in skull morphology of two closely related species of toad, *Bufo bufo* and *Bufo spinosus* (Anura: Bufonidae)**

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**SUPPLEMENTARY MATERIAL**

**Table S1.** Study sample, comprising material from the collections of Naturalis Biodiversity Center (Leiden, the Netherlands) and the National Museum of Natural Sciences (Madrid, Spain). Institutional abbreviations follow Leviton et al. (1985).

Species	Locality	Specimens
<i>Bufo bufo</i>	Ambleteuse, Pas de Calais, France	RenA.ZMA 7560a, 7560b, 7560c, 7681b, 7681c, 7681d, 7681f
	Wijster, Drenthe, the Netherlands	RenA.RMNH 8_14-10-64, 13_16-9-92, 22_29-7-92, 22_14-10-92, 25a_3-10-1962, 27_7-10-92, 27a_16-10-63, 28_15-4-92, 28b_28-10-64, 29_15-7-92, 30b_19-8-64, 30b_26-8-64, 31b_22-11-1961, 34_14-10-64, 36_27-11-62, 37_19-9-1962, 38_28-10-64, 40d_19-8-64, 44e_14-10-64
	Wimereux, Pas de Calais, France	RenA.ZMA 6629a, 6629b
<i>Bufo spinosus</i>	Baños de Benasque, Aragón, Spain	MNCN 2740, 2745
	Cervo, Galicia, Spain	MNCN 30618, 30619, 30620, 30621, 30622
	Circo de Gredos, Castilla y León, Spain	MNCN 2778, 2779
	Cuadros, Castilla y León, Spain	MNCN 13149, 13151
	La Uña, Castilla y León, Spain	MNCN 25369
	O Vicedo, Galicia, Spain	MNCN 25665, 25667, 25670, 25673, 25675
	Piedrafita de Jaca, Aragón, Spain	MNCN 9935, 9936, 9937, 9938, 9939
	Porto Covo, Setúbal, Portugal	MNCN 16611, 16613, 24582, 41731, 41732, 41733
	Refuge des Bouillouses, Pyr. Or., France	RenA.ZMA 5400b
	Roscoff, Bretagne, France	RenA.ZMA 6105

**Table S2.** List of landmarks placed on the surface models to summarize skull shape, with their anatomical position. All except #25 are bilateral.

Landmark	Position
1, 2	Tip of premaxilla alary process
3, 4	Tip of premaxilla palatine process
5, 6	Ventrolateral tip of premaxilla <i>pars dentalis</i>
7, 8	Posterior edge of maxilla
9, 10	Quadratojugal
11, 12	Tip of squamosal ventral ramus
13, 14	Tip of pterygoid posterior ramus
15, 16	Tip of pterygoid anterior ramus
17, 18	Tip of pterygoid medial ramus
19, 20	Tip of squamosal zygomatic ramus
21, 22	Posterior tip of squamosal otic ramus
23, 24	Dorsomedial tip of occipital condyle
25	Posteromedial tip of parasphenoid
26, 27	Tip of parasphenoid lateral wing
28, 29	Lateral edge of frontoparietal
30, 31	Ventrolateral tip of nasal