Table S1. Mean ± SE of upper critical thermal limits (CT_{max}), maximum pond temperature (T_{max}), Mean ± SE of warming tolerance (WT), and Community of origin for the sampled 47 amphibian larvae species. (n) Number of tested larvae.

Species	Species code	CTmax (°C) (n)	Tmax (°C)	WT (°C)	Community
Ceratophrys cranwelli	Ccr	42.0 ± 0.1 (12)	40.6	1.4 ± 0.1	Subtropical Warm
Dermatonotus muelleri	Dmu	43.6 ± 0.3 (14)	41.4	2.2 ± 0.3	Subtropical Warm
Elachistocleis bicolor	Ebi	41.7 ± 0.2 (15)	34.2	7.5 ± 0.2	Subtropical Warm
Hypsiboas raniceps	Hra	41.2 ± 0.2 (17)	38.2	3.0 ± 0.2	Subtropical Warm
Lepidobatrachus llanensis	Lll	44.7 ± 0.2 (14)	40.6	4.2 ± 0.2	Subtropical Warm
Leptodactylus bufonius	Lbu	43.3 ± 0.1 (30)	40.1	3.2 ± 0.1	Subtropical Warm
Leptodactylus latinasus	Lla	42.5 ± 0.2 (15)	38.7	3.7 ± 0.2	Subtropical Warm
Leptodactylus podicipinus	Lpo	43.3 ± 0.3 (7)	38.7	4.6 ± 0.3	Subtropical Warm
Phyllomedusa sauvagii	Psa	42.1 ± 0.3 (12)	40.1	2.0 ± 0.3	Subtropical Warm
Physalaemus albonotatus	Pal	41.1 ± 0.2 (15)	40.1	1.0 ± 0.2	Subtropical Warm
Pseudis limellum	Pli	41.9 ± 0.1 (14)	38.2	3.7 ± 0.1	Subtropical Warm
Pseudis platensis	Ppl	42.3 ± 0.1 (31)	38.2	4.0 ± 0.1	Subtropical Warm
Rhinella schneideri	Rsc	42.5 ± 0.1 (10)	38.7	3.8 ± 0.1	Subtropical Warm
Scinax acuminatus	Sac	43.0 ± 0.2 (16)	38.2	4.8 ± 0.2	Subtropical Warm
Scinax nasicus	Sna	42.6 ± 0.2 (15)	38.2	4.4 ± 0.2	Subtropical Warm
Trachycephalus venulosus	Tve	41.9 ± 0.1 (14)	38.7	3.1 ± 0.1	Subtropical Warm
Crossodactylus schmidti	Csc	36.6 ± 0.1 (13)	25.2	11.5 ± 0.1	Subtropical Cool
Dendropsophus minutus	Dmi	40.6 ± 0.1 (15)	26.9	13.7 ± 0.1	Subtropical Cool
Hypsiboas curupi	Hcu	37.5 ± 0.2 (15)	27.8	9.7 ± 0.2	Subtropical Cool
Leptodactylus latrans	Llt	41.4 ± 0.2 (17)	25.6	15.8 ± 0.2	Subtropical Cool
Limnomedusa macroglossa	Lma	39.9 ± 0.2 (15)	27.8	12.1 ± 0.2	Subtropical Cool
Melanophryniscus devincenzii	Mde	39.2 ± 0.1 (15)	21.3	17.9 ± 0.1	Subtropical Cool
Melanophryniscus krauczuki	Mkr	39.9 ± 0.2 (15)	24.7	15.2 ± 0.2	Subtropical Cool
Phyllomedusa tetraploidea	Pte	41.6 ± 0.2 (17)	34.2	7.4 ± 0.2	Subtropical Cool

Rhinella azarai	Raz	40.4 ± 0.1 (15)	24.7	15.7 ± 0.1	Subtropical Cool
Rhinella ornata	Ror	40.7 ± 0.1 (16)	30.4	10.3 ± 0.1	Subtropical Cool
Scinax fuscovarius	Sfu	41.0 ± 0.3 (15)	25.6	15.4 ± 0.3	Subtropical Cool
Alytes cisternasii	Aci	38.2 ± 0.2 (15)	24.2	14.1 ± 0.2	Temperate
Alytes dickhilleni	Adi	37.6 ± 0.1 (15)	25.1	12.5 ± 0.1	Temperate
Alytes muletensis	Amu	38.2 ± 0.1 (15)	19.4	18.8 ± 0.1	Temperate
Bufo bufo	Bbu	38.3 ± 0.1 (15)	23.8	14.4 ± 0.1	Temperate
Discoglossus galganoi	Dga	38.4 ± 0.1 (15)	32.0	6.5 ± 0.1	Temperate
Epidalea calamita	Eca	39.7 ± 0.1 (30)	34.2	5.6 ± 0.1	Temperate
Hyla arborea	Har	40.0 ± 0.1 (15)	31.4	8.7 ± 0.1	Temperate
Hyla meridionalis	Hme	39.8 ± 0.1 (15)	34.2	5.7 ± 0.1	Temperate
Lissotriton boscai	Lbo	38.3 ± 0.1 (15)	31.4	7.0 ± 0.1	Temperate
Pelobates cultripes	Pcu	39.4 ± 0.1 (14)	35.5	3.9 ± 0.1	Temperate
Pelodytes ibericus	Pib	37.0 ± 0.1 (30)	35.5	1.4 ± 0.1	Temperate
Pelophylax lessonae	Ple	38.6 ± 0.2 (17)	29.9	8.7 ± 0.2	Temperate
Pelophylax perezi	Ppe	39.6 ± 0.2 (8)	29.1	10.6 ± 0.2	Temperate
Pleurodeles waltl	Pwa	37.1 ± 0.1 (14)	35.5	1.5 ± 0.1	Temperate
Rana arvalis	Rar	35.8 ± 0.1 (15)	18.8	17.0 ± 0.0	Temperate
Rana iberica	Rib	35.4 ± 0.0 (15)	29.1	6.4 ± 0.0	Temperate
Rana temporaria	Rte	37.2 ± 0.2 (45)	24.5	12.7 ± 0.2	Temperate
Salamandra salamandra	Ssa	36.6 ± 0.1 (10)	24.2	12.4 ± 0.1	Temperate
Triturus cristatus	Tcr	37.8 ± 0.2 (15)	24.2	13.6 ± 0.2	Temperate
Triturus pygmaeus	Tpy	38.5 ± 0.1 (10)	31.4	7.1 ± 0.1	Temperate