

Ranitomeya imitator Tadpole Ethogram

Behavior	Classification	Description
Swimming	general	Involves several tail movements to create a continuous movement covering distance around the behavior arena.
Movement	general	Single tail flick propels tadpole to a new location in arena, but followed by at least 1 second of no additional movement.
Roll (side view)	general	Tadpole rolls ~90° horizontally, exposing their ventral surface to the side.
Wiggling	general/ affiliative	Tail curls back and forth to create a wiggling motion that is not vibrational. Often, but not always, directed at an adult.
Begging	affiliative	Rapid whole body vibration that creates an obvious water disturbance. Tail is straight, but often at an angle to the body.
Nip	affiliative	Tadpole mouths at adult, typically directed towards the legs or back end of the adult.
Bite/Ram	aggressive	One tadpole, with mouth open (bite) or closed (ram), hits/bites the body of another tadpole. Occasionally, tadpole will maintain bite and thrash around (bite w/ thrashing).