

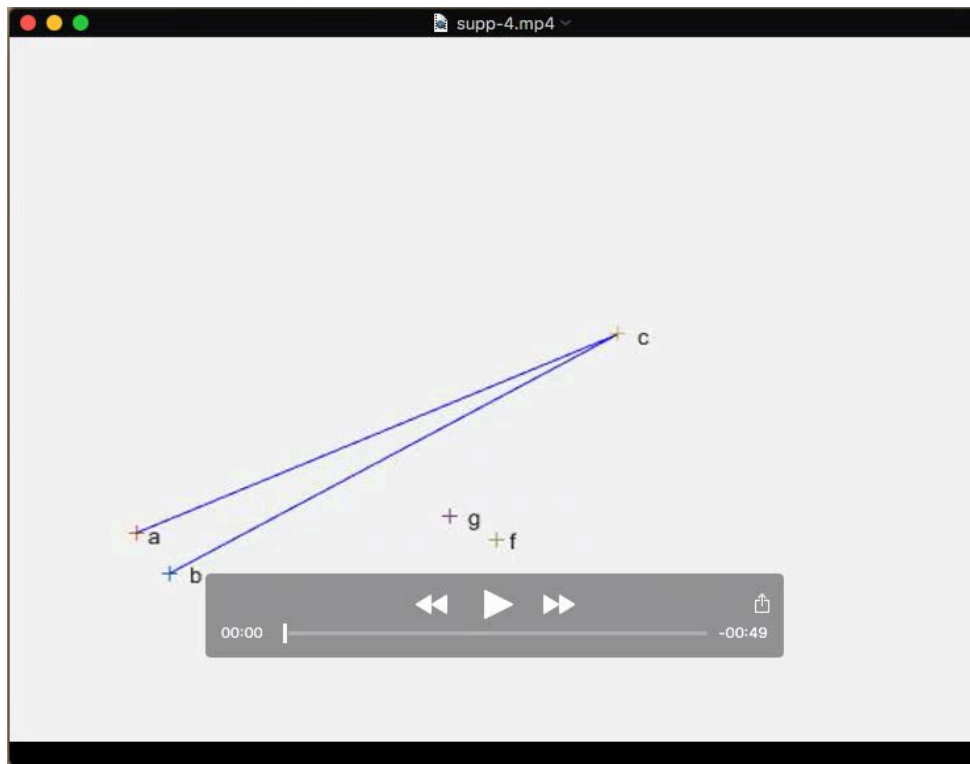
Supplemental material



Movie 1. High-speed light recording and high-speed x-ray recording at 250fps (frames per second) showing intraoral processing in the newt *T. carnifex* played at 30fps. The large radiopaque marker in the high-speed x-ray recording indicates the position of the prey (maggot).



Movie 2. XROMM-animation of processing in the newt *T. carnifex*. The red sphere indicates the position of the prey.



Movie 3. Kinematic animation of processing in *T. carnifex* (same feeding event as shown in Fig. 2). Abbreviations as indicated in Fig. 1: a, snout tip; b, lower jaw tip; c, occipital; f, tongue (basibranchial); g, prey.