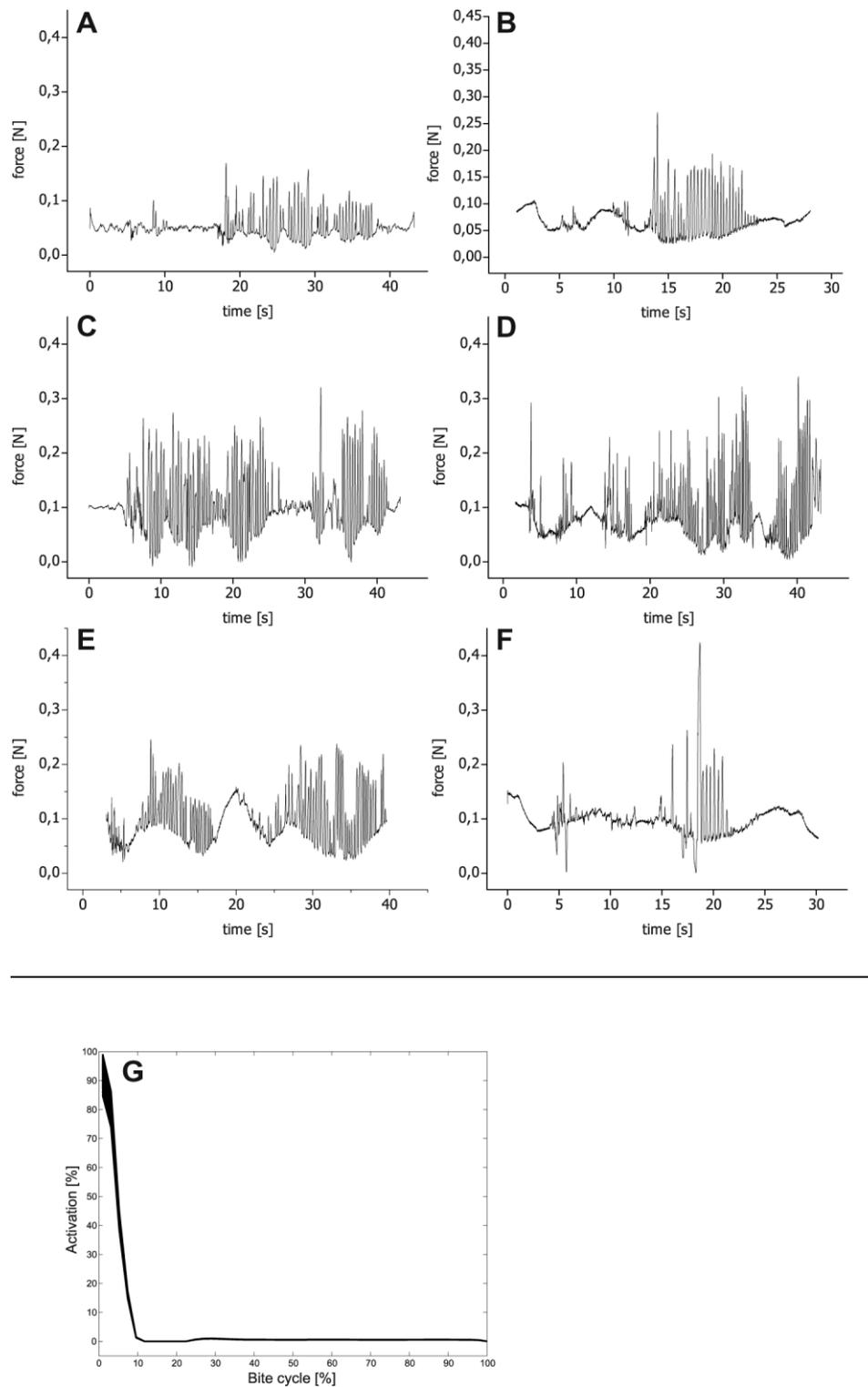




**Movie 1.** Film sequence showing the mandible movement of a living dragonfly during biting.



**Fig. S1.** (A-F) Bite cycles measured for *Sympetrum vulgatum*. Signal is bandpass filtered [0.1, 50 Hz]. (G) Activation of the mandibular abductor M. craniomandibularis externus posterior (0md3). Activation of this muscle is the same for all biting scenarios.