

**Fig. S1. Mean kinematic profiles for an aquatic species, *Bombina orientalis*.** Indicated from top to bottom are the changes in limb extension, hip angle, knee angle, ankle angle, and mid-foot 1 and mid-foot 2 angles over time. Time is standardized relative to the duration of the limb extension cycle, and the dashed lines represent one standard deviation from the mean.

**Fig. S2. Mean kinematic profiles for a terrestrial species, *Bufo calamita*.** Indicated from top to bottom are the changes in limb extension, hip angle, knee angle, ankle angle, and mid-foot 1 and mid-foot 2 angles over time. Time is standardized relative to the duration of the limb extension cycle, and the dashed lines represent one standard deviation from the mean.

**Fig. S3. Mean kinematic profiles for a terrestrial species, *Rhaebo guttatus*.** Indicated from top to bottom are the changes in limb extension, hip angle, knee angle, ankle angle, and mid-foot 1 and mid-foot 2 angles over time. Time is standardized relative to the duration of the limb extension cycle, and the dashed lines represent one standard deviation from the mean.

**Fig. S4. Mean kinematic profiles for an aquatic species, *Pipa pipa*.** Indicated from top to bottom are the changes in limb extension, hip angle, knee angle, ankle angle, and mid-foot 1 and mid-foot 2 angles over time. Time is standardized relative to the duration of the limb extension cycle, and the dashed lines represent one standard deviation from the mean.

**Fig. S5. Mean kinematic profiles for a semi-aquatic species, *Pelophylax esculenta*.** Indicated from top to bottom are the changes in limb extension, hip angle, knee angle, ankle angle, and mid-foot 1 and mid-foot 2 angles over time. Time is standardized relative to the duration of the limb extension cycle, and the dashed lines represent one standard deviation from the mean.

**Fig. S6. Mean kinematic profiles describing the pelvic sliding in the different species.** Time is standardized relative to the duration of the limb extension cycle, and the dashed lines represent one standard deviation from the mean.

Figure S1

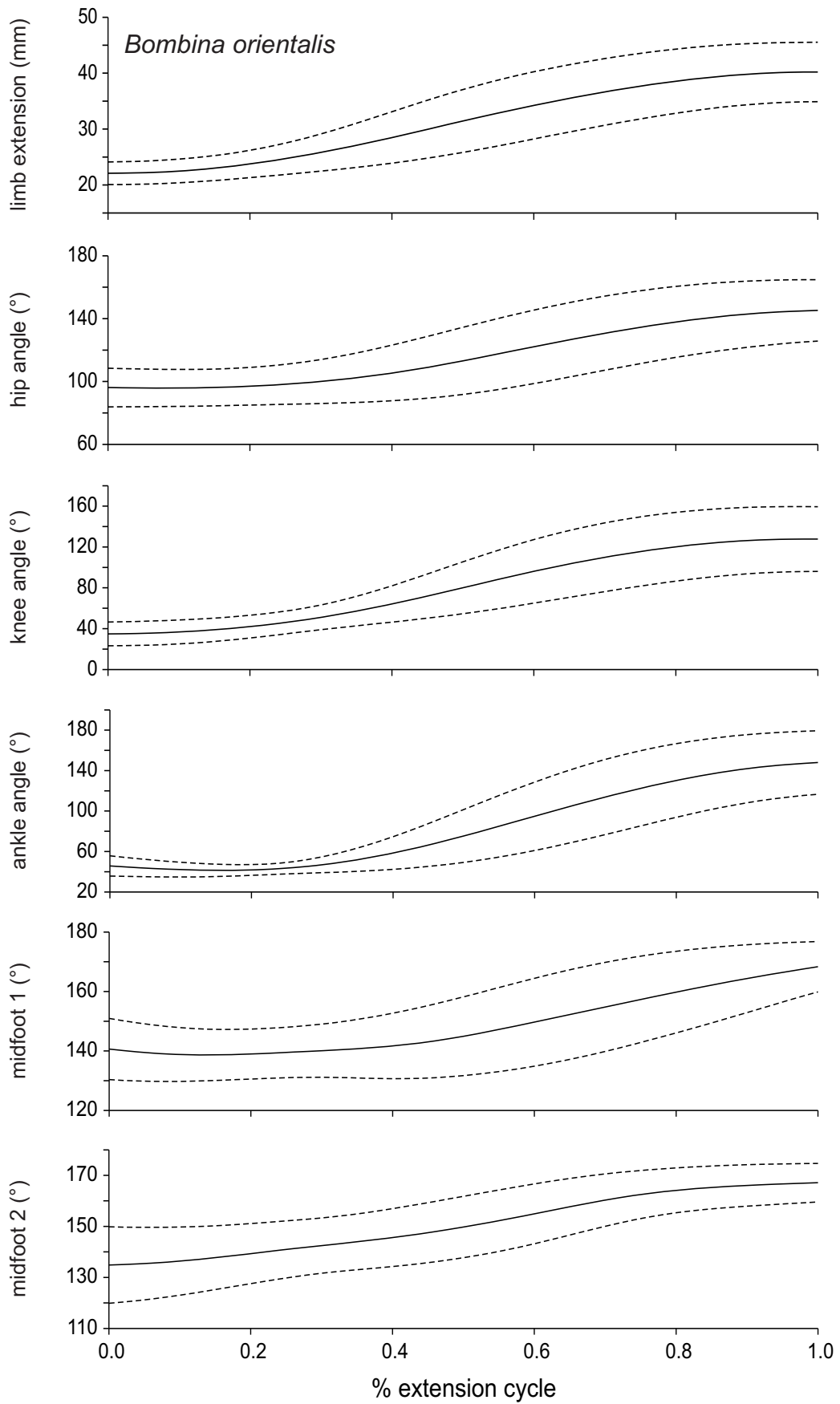


Figure S2

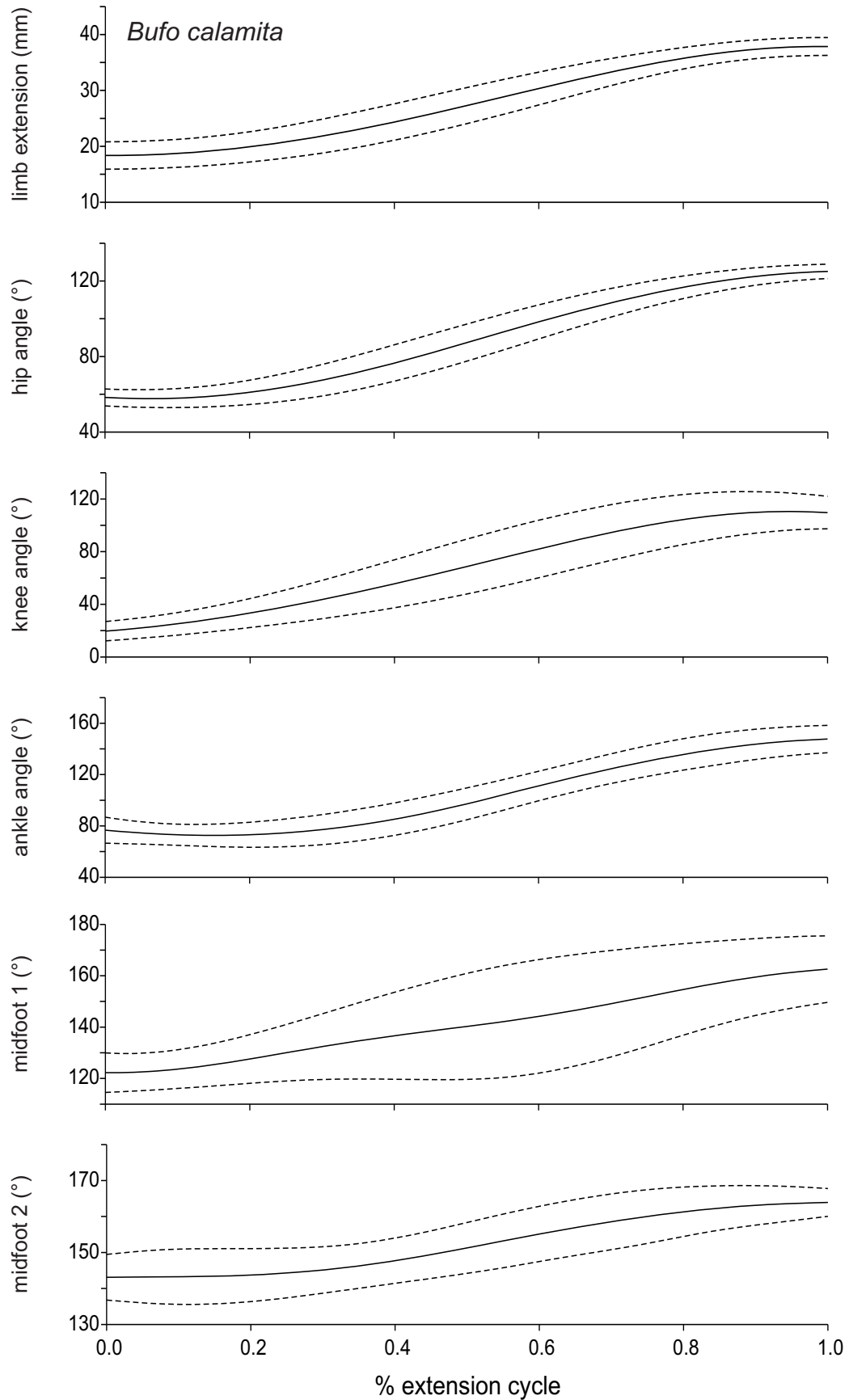


Figure S3

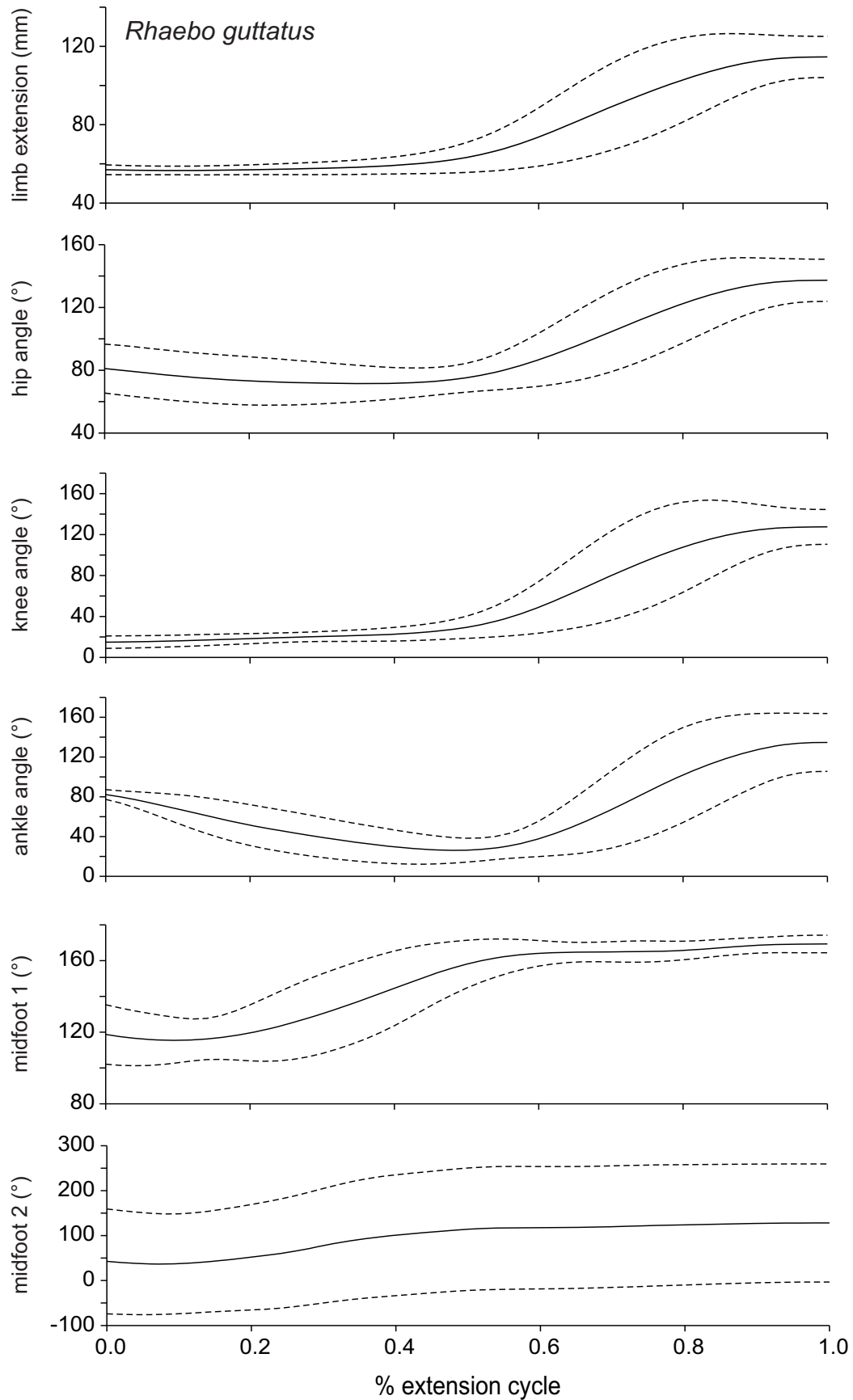


Figure S4

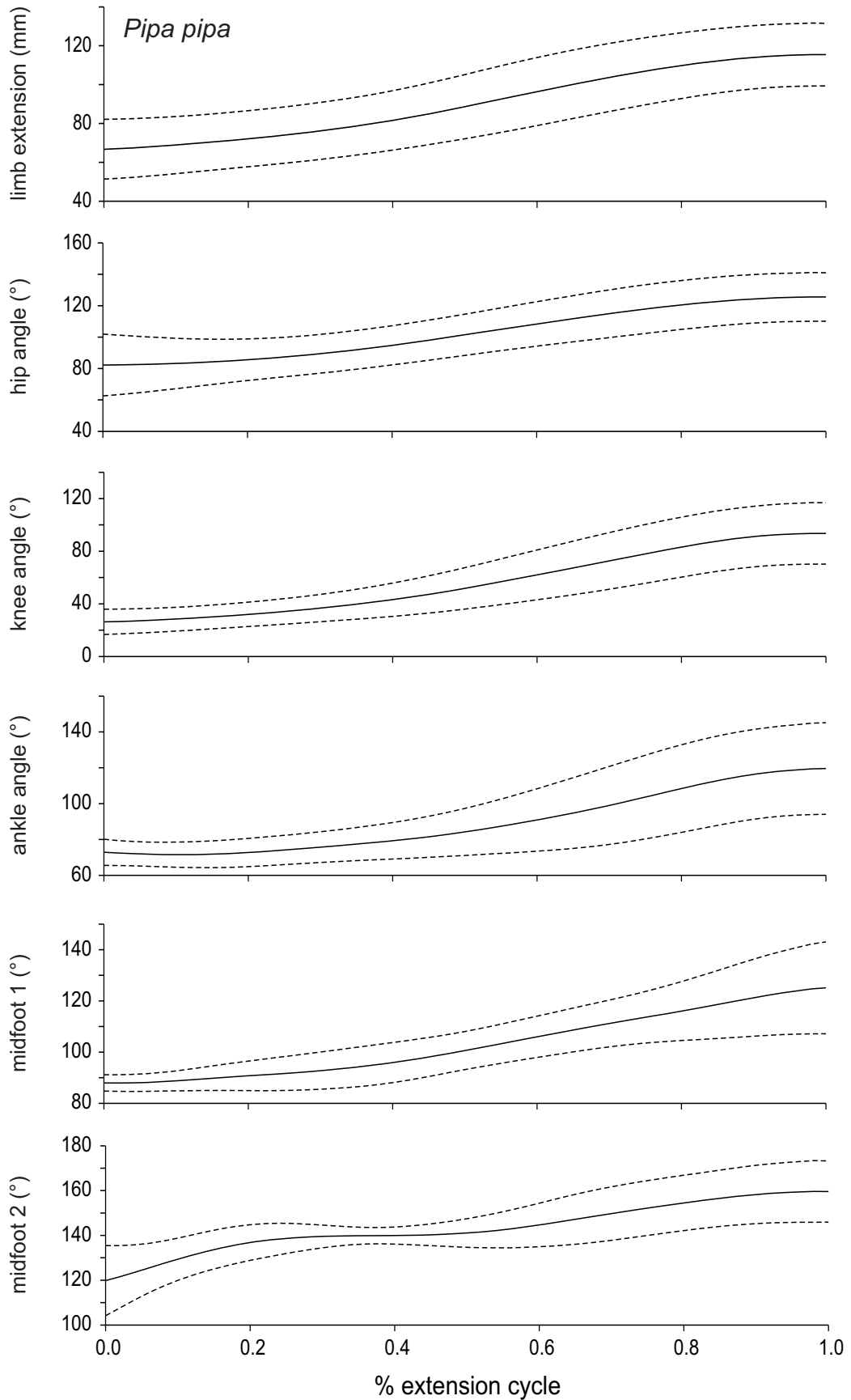


Figure S5

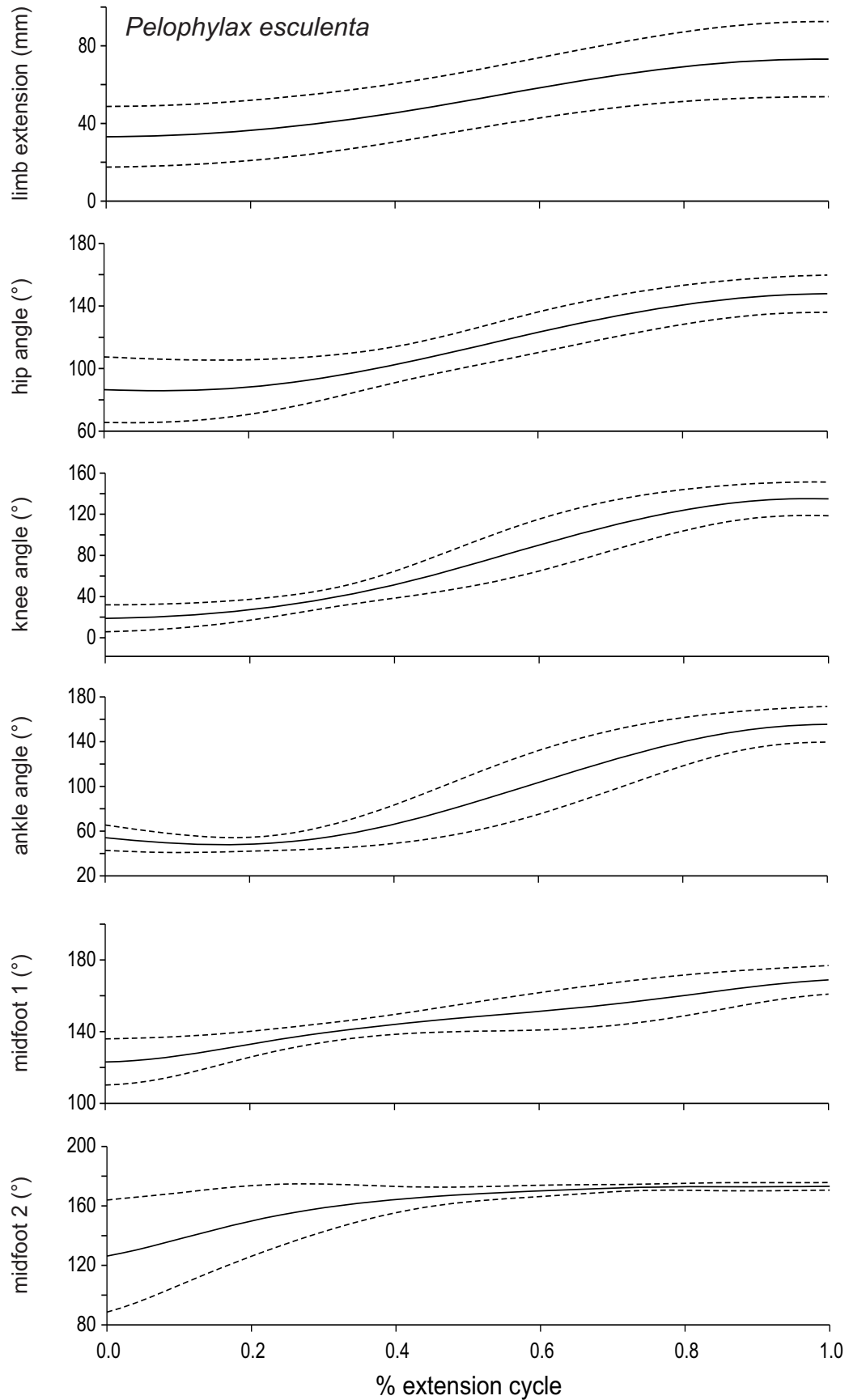


Figure S6

