



Cover: A mosquito (*Aedes aegypti*) lands on a horse's tail. Biologists had long assumed that mammals swish their tails to defend themselves against biting insects. But how does the tail do it? Matherne et al. (jeb178905) found that mammals swing their tails three times faster than a gravity-driven pendulum. This motion generates a breeze of 1 m s^{-1} to blow away mosquitoes. If an insect penetrates this air barrier, a mammal can use its tail like a whip to directly strike the insect before it has a chance to bite. Photo credit: Candler Hobbs.

INSIDE JEB

Rh protein is key for crab waste disposal

Knight, K.

jeb191775

Rebel tenrecs disregard hibernation rule book

Knight, K.

jeb191767

Stress does not cause dormouse mums to skip a litter

Knight, K.

jeb191759

Tails guard against voracious insects with curtain of breeze

Knight, K.

jeb188888

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jeb163089

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Environmental temperature alters the digestive performance and gut microbiota of a terrestrial amphibian

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Glyphosate impairs learning in *Aedes aegypti* mosquito larvae at field-realistic doses

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Mammals repel mosquitoes with their tails

Matherne, M. E., Cockerill, K., Zhou, Y., Bellamkonda, M. and Hu, D. L.

jeb178905