

Supplemental Materials for “An observation of attempted infanticide and female-female cooperation in wild plains zebras (*Equus quagga*)”

Behaviour

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Supplemental material 1: Matilda (front) and Elanor (back) when first sighted. Photo by S. Hex.



Supplemental material 2: White-headed vultures (*Triconoceph occipitalis*) and a raptor feeding on fresh placenta. Photo by S. Hex.



Supplemental material 3 (video): Example of Matilda (right) interposing between the foal and Aethelwulf (left). Video by M. Ng'aske. <https://youtu.be/LCPVy6KspEQ>

Supplemental material 4 (video): Matilda (right) attacking Aethelwulf (left), who attacks at 0.12 seconds. Elanor interposes at 0.15 seconds. Video by M. Ng'aske.

<https://youtu.be/v4ZSzC3DCQ4>

Supplemental material 5 (video): Aethelwulf pursues and attacks Matilda, who swings her rump into him and kicks while keeping herself between him and the foal. Video by M. Ng'aske.

<https://youtu.be/loAJq2EgBTE>

Supplemental material 6 (video): Aethelwulf pursues and attacks Matilda as she tries to pass him. Video by M. Ng'aske. <https://youtu.be/JvMP5xNGa2E>

Supplemental material 7: Elanor (middle) interposed between Aethelwulf (left) and Matilda (right) while grazing. Still from video by M. Ng'aske.



Supplemental material 8 (video): Elanor (center) interposing between Matilda (left) and Aethelwulf (right). Video by M. Ng'aske. <https://youtu.be/CLF6JOrZ3vg>

Supplemental material 9 (video): Elanor remaining interposed between Aethelwulf (front) and Matilda (back) as she moves locations. Video by M. Ng'aske. <https://youtu.be/HmnXCgbdkg0>

Supplemental material 10 (video): Elanor remaining between Matilda (background) and Aethelwulf (foreground) as Matilda begins to travel. She pushes Aethelwulf away at 0.12 seconds. Video by M. Ng'aske. <https://youtu.be/-kuUGBPRI9c>

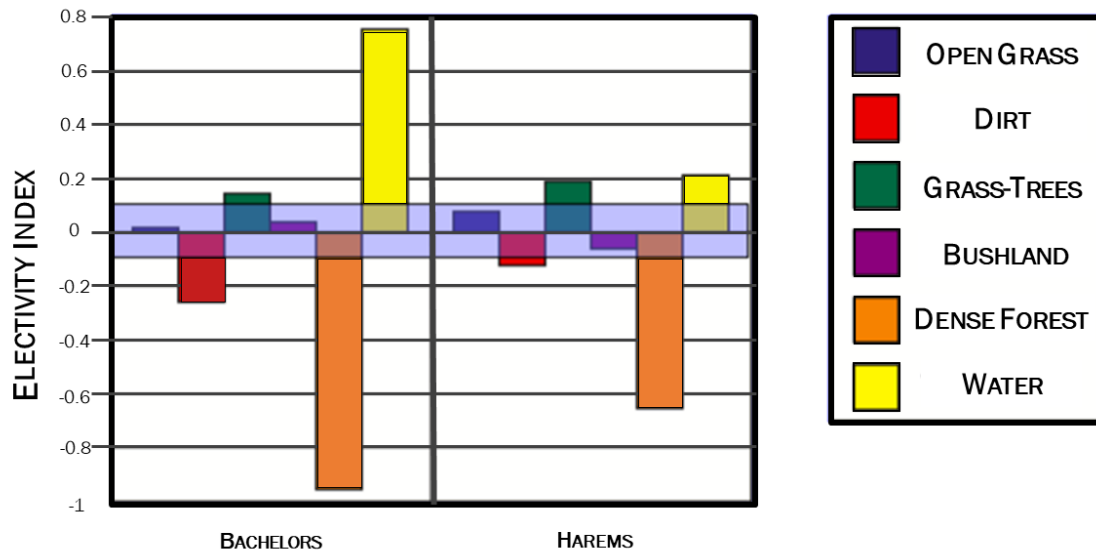
Supplemental material 11 (video): Elanor interposes and kicks at Aethelwulf as Matilda moves past. Aethelwulf attacks Matilda at 0.07 seconds and Elanor interposes at 0.12 seconds. At 0.33 seconds Matilda tries to run past Aethelwulf and Elanor interposes, kicking Aethelwulf as they

pass. At 0.45 seconds Aethelwulf attacks Elanor. Video by M. Ng'aske.

<https://youtu.be/9bF7nvax6S4>

Supplemental material 12 (video): Elanor with a foal born on August 20th, 2021, to Victoria of the Aristocrat's harem. Video by S. Hex. <https://youtu.be/DRl4zKw29Ig>

Supplemental material 13: Habitat preferences by harems and bachelor groups. Habitat preferences are calculated using Ivlev's Electivity Index (Ivlev, 1961), calculated as $E_i = (r_i - p_i) / (r_i + p_i)$, where r_i equals proportion of time that the group is found in the i th habitat, and p_i equals the proportion of the i th habitat in the environment. Values range from +1 to -1, where positive values indicate strong preference, and negative values indicate strong avoidance. We denote strong differences from the null pattern of no selectivity as greater or less than 10%.



Ivlev. V.S. (1961). Experimental ecology of the feeding of fishes. Yale University Press, New Haven.