**Supplementary material and Dryad repository (DOI: 10.5061/dryad.5247q) file instructions**

**Temporary Dryad link:** <http://datadryad.org/review?doi=doi:10.5061/dryad.5247q>

**Title**

Behaviourally mediated predation avoidance in penguin prey: *In situ* evidence from animal-borne camera loggers

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The following files supplement the manuscript, “Behaviourally mediated predation avoidance in penguin prey: *In situ* evidence from animal-borne camera loggers”. The files are either linked directly to the paper, or are stored in a Dryad repository.

**Files linked directly to the paper:**

File: “Handley\_RSOS\_Supp Material\_REVSIED.docx”

* Provides an overview of the analyses and directs users to necessary example files.

File: “Handley\_RSOS\_Behavioural Category Descriptors.csv:

* Excel document that contains descriptions about each behavioural category used in the below six files, and relevant to the study.

**Files available on the Dryad repository (DOI: https://doi.org/10.5061/dryad.5247q)**

File: “HandleyJM\_GNP\_CAM\_Analysis.R”

* A synthesis of R code used to generate the results presented in the paper, including descriptions of all prey categories.

File: “GNP\_FLK\_CAM\_PreyDetail.Rdata”

* R data file of the annotated camera data used for analyses in the paper

File: “P1\_AnimalCam\_SuppCode\_Merge Trips.R” & “P2\_AnimalCam\_SuppCode\_Feeding events.R”

* R scripts which require the other supplementary files:
  + SpeciesX\_Location\_2013\_DepID21\_1of3\_Vid.csv
  + SpeciesX\_Location\_2013\_DepID21\_2of3\_Vid.csv
  + SpeciesX\_Location\_2013\_DepID21\_3of3\_Vid.csv
  + SpeciesX\_Location\_2013\_DepID24\_1of3\_Vid.csv
  + SpeciesX\_Location\_2013\_DepID24\_2of3\_Vid.csv
  + SpeciesX\_Location\_2013\_DepID24\_3of3\_Vid.csv

File: “P3\_AnimalCam\_SuppCode\_MergeCAMtoTDRandGPS.R”

* R script which gives example of how data from multiple devices can be merged, and requires the supplementary R files:
  + BR14\_GNP\_FLK\_2013\_CAM\_SuppData.R
  + BR14\_TDR\_2013.14\_GentooFI\_ZOCdives.csv
  + BR14\_2013-14\_GentooFI\_bf\_track.csv

Short title and captions for movies S1-S4 which are provided in the supplementary material:

Movie S1:

Movie S1, Short title: General footage overview for gentoo penguins

Movie S1 Caption: General overview of footage obtained from animal-borne camera loggers attached to Gentoo penguins at the Falkland Islands. Examples include: Feeding on lobster krill, feeding on large fish, a full dive where the bird feeds on small fish then pursues and captures a squid, a full dive where lobster krill on the seafloor is ignored and unidentified prey items are shown, lobster krill on seafloor being predated upon, and foraging for small fish.

Movie S2:

Movie S2, Short title: Lobster krill defends against predation

Movie S2, Caption: Examples of lobster krill actively avoiding predation by gentoo penguins, by defending themselves with their pincers.

Movie S3:

Movie S3, Short title: Swarms of lobster krill

Movies S3, Caption: Examples of gentoo penguins not feeding and feeding off of large swarms of lobster krill.

Movie S4:

Movie S4, Short title: Intra and interspecific interactions

Movie S4, Caption: Examples of intra and interspecific interactions for gentoo penguins at the Falkland Islands.