

## **Online Supporting information**

Title: Dietary studies in prey-carrying birds: testing a non-invasive method using digital photography

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Journal: Methods in Ecology and Evolution

## Appendix S2 – Results of the comparison between photo-sampling and regurgitation

**Table S3:** Species, genera or families (numerical abundance) identified from photographs or regurgitations at Robben (Observer A, 18–19 April 2014) and Seal islands (9 June 2014).

| Common name               | Latin name                     | Robben Island |               | Seal Island  |               |
|---------------------------|--------------------------------|---------------|---------------|--------------|---------------|
|                           |                                | Photo-sample  | Regurgitation | Photo-sample | Regurgitation |
| Anchovy                   | <i>Engraulis encrasicolus</i>  | 1185          | 170           | 129          | 96            |
| Redeye roundherring       | <i>Etrumeus whiteheadi</i>     | 116           | 10            | 6            | 1             |
| Cape silverside           | <i>Atherina breviceps</i>      | 41            | 2             | 0            | 0             |
| Sardine                   | <i>Sardinops sagax</i>         | 21            | 2             | 7            | 3             |
| Southern mullet           | <i>Liza richardsonii</i>       | 20            | 1             | 0            | 0             |
| Longsnout pipe fish       | <i>Syngnathus temminckii</i>   | 19            | 0             | 1            | 0             |
| Atlantic saury            | <i>Scomberesox saurus</i>      | 17            | 1             | 0            | 1             |
| Horse mackerel            | <i>Trachurus capensis</i>      | 12            | 2             | 0            | 0             |
| Elf                       | <i>Pomatomus saltatrix</i>     | 9             | 0             | 4            | 0             |
| Beaked sandfish           | <i>Gonorynchus gonorynchus</i> | 9             | 2             | 5            | 0             |
| Gaper                     | <i>Champsodon capensis</i>     | 8             | 1             | 0            | 0             |
| Blenny                    | Blenniidae                     | 5             | 0             | 0            | 0             |
| Grenadier                 | Macrouridae                    | 5             | 0             | 0            | 0             |
| Klipfish                  | <i>Clinus</i> spp.             | 5             | 0             | 1            | 0             |
| Soldierfish               | Holocentridae                  | 2             | 0             | 0            | 0             |
| Sole                      | Soleidae                       | 2             | 0             | 0            | 0             |
| Bluebottle Fish           | <i>Nomeus gronovii</i>         | 1             | 0             | 0            | 0             |
| Gurnard                   | <i>Chelidonichthys</i> sp.     | 1             | 0             | 0            | 0             |
| Lanternfish               | <i>Lampanyctodes hectorus</i>  | 1             | 0             | 0            | 0             |
| Eel                       | Ophichthidae                   | 1             | 0             | 0            | 0             |
| Horsefish                 | Congiopodidae                  | 1             | 0             | 0            | 0             |
| Rocksucker                | <i>Chorisochismus dentex</i>   | 1             | 0             | 0            | 0             |
| Carpenter                 | <i>Argyrozona</i> sp.          | 0             | 0             | 1            | 0             |
| Cape Hake                 | <i>Merluccius capensis</i>     | 0             | 0             | 0            | 1             |
| Pufferfish                | <i>Amblyrhynchotes</i> sp.     | 0             | 0             | 1            | 0             |
| Southern conger           | <i>Gnathopis capensis</i>      | 0             | 0             | 1            | 0             |
| Indian lizard fish        | <i>Synodus indicus</i>         | 0             | 0             | 0            | 1             |
| <b>Fish (Total)</b>       |                                | <b>1482</b>   | <b>191</b>    | <b>156</b>   | <b>103</b>    |
| Cuttlefish                | <i>Sepia vermiculata</i>       | 9             | 6             | 0            | 0             |
| Squid                     | <i>Loligo vulgaris</i>         | 3             | 1             | 0            | 0             |
| Octopus                   | <i>Octopus vulgaris</i>        | 1             | 0             | 0            | 0             |
| <b>Cephalopod (Total)</b> |                                | <b>13</b>     | <b>7</b>      | <b>1</b>     | <b>0</b>      |
| Mantis shrimp             | <i>Pterygosquilla armata</i>   | 14            | 0             | 0            | 0             |
| <b>Crustacean (Total)</b> |                                | <b>14</b>     | <b>0</b>      | <b>0</b>     | <b>0</b>      |
| Two-spotted Cricket       | <i>Gryllus bimaculatus</i>     | 1             | 0             | 0            | 0             |
| <b>Insects (Total)</b>    |                                | <b>1</b>      | <b>0</b>      | <b>0</b>     | <b>0</b>      |
| <b>Total</b>              |                                | <b>1510</b>   | <b>198</b>    | <b>157</b>   | <b>103</b>    |