

Additional file 1. Table of lesser black-backed gulls GPS deployments. GPS deployments on lesser black-backed gulls at Stora Karlsö (2011-2013) with number of foraging trips per individual per year included in analysis (see additional file 3 for raw data).

| <i>Ring Number</i> | <i>Head-bill (mm)</i> | <i>Sex</i> | <i>Date tagged</i> | <i>Number of foraging trips per year</i> | | | | |
|--------------------|---------------------------|------------|--------------------|--|-------------|-------------|--------------|----|
| | | | | <i>2011</i> | <i>2012</i> | <i>2013</i> | <i>Total</i> | |
| 8114315 | 120.3 | M | 2011-05-21 | 46 | 105 | | 151 | |
| 8114318 | 103 | F | 2011-05-25 | 46 | | | 46 | ‡ |
| 8114316 | 127 | M | 2011-05-22 | 27 | 2 | | 29 | |
| 8114317 | 116.1 | M | 2011-05-23 | 14 | | | 14 | ‡ |
| 8114319 | 115.8 | M | 2011-05-25 | | | | | * |
| 8114314 | 104.5 | F | 2011-05-21 | 17 | 41 | 39 | 97 | |
| 8114320 | 121.4 | M | 2011-05-25 | 11 | | | 11 | ‡ |
| 8114321 | 118.5 | M | 2011-05-25 | 15 | | | 15 | ‡ |
| 8114312 | - | F | 2011-05-20 | 11 | | | 11 | †‡ |
| 8114313 | 117.8 | M | 2012-05-21 | 56 | 105 | | 161 | |
| 8111155 | 124.2 | M | 2012-06-01 | | 52 | 59 | 111 | |
| 8111250 | 107.85 | F | 2012-06-03 | | 47 | 88 | 135 | |
| 8114370 | 118.65 | M | 2012-05-31 | | 36 | | 36 | |
| 8111177 | 119.4 | M | 2012-05-31 | | 37 | 56 | 93 | |
| 8114371 | 106.5 | F | 2012-06-05 | | 63 | | 63 | |
| 8111176 | 121 | M | 2012-06-05 | | 51 | | 51 | |
| 8114348 | 116.62 | M | 2013-06-01 | | | 61 | 61 | |
| 8114345 | 117.16 | M | 2013-05-27 | | | 69 | 69 | |
| 8114349 | 117.11 | M | 2013-06-03 | | | 22 | 22 | |
| 8114347 | 102.63 | F | 2013-06-01 | | | 33 | 33 | |
| 8114346 | 117.99 | M | 2013-05-31 | | | | | * |
| <i>Total</i> | | | | 243 | 539 | 427 | 1209 | |

* No data because of tag failure/ breeding abandonment

† Head-bill measurement not taken. Observed to be smaller member of pair, thus assumed female

‡ Not included in pre-laying analysis for 2012-2013 due to lack of data