**Table S2.** Summary of results from U-CARE tests of goodness-of-fit between the left and right side datasets and various Cormack-Jolly-Seber models. Tests that are significant at p < 0.05 are indicated by an asterisk. With the statistic for trap dependence, positive values indicate ‘trap shyness’ and negative values ‘trap happiness’.

| **Test type** | **Left side** | | **Right side** | |
| --- | --- | --- | --- | --- |
| **3.SR** |  | |  | |
| N(0,1) statistic for transience | 2.23 \*/\* | | 1.59 | |
| Log-odds ratio statistic for transience | 2.00 \*/\* | | 1.52 | |
| χ**2** overall | 6.64 | | 4.06 | |
| G2 overall | 6.37 | | 3.94 | |
| By year: | **χ2** | **G2** | **χ2** | **G2** |
| 2005 | 0.00A | 0.00A | N/A | N/A |
| 2006 | 0.62 | 0.62 | 0.54 | 0.54 |
| 2007 | 0.38 | 0.37 | 0.03 | 0.03 |
| 2008 | 0.31 | 0.31 | 0.90 | 0.88 |
| 2009 | 4.50\* | 4.24\* | 2.33 | 2.23 |
| 2010 | 0.83 | 0.83 | 0.27 | 0.27 |
| 2011 | 0.00A | 0.00A | 0.00A | 0.00A |
| **3.Sm** |  | |  | |
| χ**2** overall | 0.11 | | 2.64 | |
| G2 overall | 0.11 | | 2.73 | |
| By year: | **χ2** | **G2** | **χ2** | **G2** |
| 2005 | 0.00A | 0.00A | N/A | N/A |
| 2006 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2007 | 0.00 | 0.00 | 0.36 | 0.36 |
| 2008 | 0.11 | 0.11 | 0.63 | 0.64 |
| 2009 | 0.00 | 0.00 | 1.66 | 1.74 |
| 2010 | 0.00A | 0.00A | 0.00A | 0.00A |
| **2.CT** |  | |  | |
| N(0,1) statistic for trap dependence | -0.01 | | -0.49 | |
| Log-odds ratio statistic for trap dependence | -0.40 | | -0.44 | |
| χ**2** overall | 0.99 | | 2.01 | |
| G2 overall | 0.99 | | 2.01 | |
| By year: | **χ2** | **G2** | **χ2** | **G2** |
| 2005 | 0.00 | 0.00 | N/A | N/A |
| 2006 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2007 | 0.13 | 0.13 | 1.43 | 1.43 |
| 2008 | 0.40 | 0.39 | 0.35 | 0.34 |
| 2009 | 0.10 | 0.10 | 0.23 | 0.23 |
| 2010 | 0.36 | 0.36 | 0.00 | 0.00 |
| **2.CL** |  | |  | |
| χ**2** overall | 2.30 | | 8.29 | |
| G2 overall | 2.38 | | 8.69 | |
| By year: | **χ2** | **G2** | **χ2** | **G2** |
| 2005 | 0.00 | 0.00 | N/A | N/A |
| 2006 | 0.27 | 0.27 | 0.00 | 0.00 |
| 2007 | 1.67 | 1.74 | 6.11\* | 6.52\* |
| 2008 | 0.10 | 0.10 | 0.15 | 0.15 |
| 2009 | 0.27 | 0.27 | 2.02 | 2.02 |
| **Overall** |  |  |  |  |
| χ**2** overall | 10.04 |  | 17.01 |  |

A insufficient data for testing