**Table S4.3** Mean fledging success of clutches between 2003 and 2023 as assessed by a binomial linear model of the number of fledging successes compared to fledging failures by population and year (n=3082), and mean fledging success over 20 years as assessed by a binomial linear model of the number of fledging successes compared to fledging failures by population (n=3082).

|  | **DMURO** | | **EMURO** | | **EPIRIO** | |
| --- | --- | --- | --- | --- | --- | --- |
| Year | Fledging success | 95% CI | Fledging success | 95% CI | Fledging success | 95% CI |
| **Mean** | **0.89** | **[0.88, 0.89]** | **0.75** | **[0.73, 0.76]** | **0.81** | **[0.80, 0.82]** |
| 2004 | 0.97 | [0.95, 0.98] | 0.80 | [0.73, 0.85] | 0.84 | [0.79, 0.88] |
| 2005 | 0.80 | [0.77, 0.83] | 0.72 | [0.66, 0.78] | 0.96 | [0.94, 0.98] |
| 2006 | 0.86 | [0.83, 0.89] | 0.71 | [0.65, 0.76] | 0.89 | [0.86, 0.92] |
| 2007 | 0.83 | [0.79, 0.86] | 0.52 | [0.46, 0.59] | 0.90 | [0.87, 0.92] |
| 2008 | 0.83 | [0.80, 0.86] | 0.55 | [0.48, 0.62] | 0.58 | [0.53, 0.63] |
| 2009 | 0.86 | [0.83, 0.89] | 0.59 | [0.52, 0.66] | 0.80 | [0.76, 0.84] |
| 2010 | 0.85 | [0.82, 0.88] | 0.74 | [0.68, 0.79] | 0.90 | [0.86, 0.93] |
| 2011 | 0.82 | [0.78, 0.85] | 0.75 | [0.69, 0.79] | 0.69 | [0.64, 0.74] |
| 2012 | 0.84 | [0.80, 0.87] | 0.70 | [0.65, 0.75] | 0.58 | [0.51, 0.64] |
| 2013 | 0.92 | [0.90, 0.94] | 0.86 | [0.81, 0.90] | 0.87 | [0.83, 0.91] |
| 2014 | 0.93 | [0.90, 0.95] | 0.79 | [0.74, 0.83] | 0.68 | [0.62, 0.73] |
| 2015 | 0.87 | [0.83, 0.89] | 0.52 | [0.47, 0.58] | 0.70 | [0.65, 0.74] |
| 2016 | 0.89 | [0.86, 0.92] | 0.79 | [0.75, 0.83] | 0.87 | [0.83, 0.91] |
| 2017 | 0.95 | [0.93, 0.97] | 0.76 | [0.71, 0.81] | 0.89 | [0.85, 0.91] |
| 2018 | 0.91 | [0.88, 0.93] | 0.76 | [0.70, 0.80] | 0.68 | [0.62, 0.73] |
| 2019 | 0.94 | [0.92, 0.96] | 0.91 | [0.87, 0.94] | 0.83 | [0.79, 0.87] |
| 2020 | 0.94 | [0.92, 0.96] | 0.83 | [0.77, 0.88] | 0.87 | [0.81, 0.91] |
| 2021 | 0.95 | [0.93, 0.97] | 0.88 | [0.83, 0.91] | 0.86 | [0.82, 0.89] |
| 2022 | 0.88 | [0.85, 0.90] | 0.83 | [0.78, 0.87] | 0.82 | [0.77, 0.86] |
| 2023 | 0.89 | [0.86, 0.91] | 0.83 | [0.78, 0.87] | 0.89 | [0.85, 0.92] |