

These are an electronic appendices to the paper by Spottiswoode & Møller 2004 Genetic similarity and hatching success in birds. *Proc. R. Soc. Lond. B* **271**, 267–272. (DOI 10.1098/rspb.2003.2605.)

Electronic appendices are refereed with the text. However, no attempt is made to impose a uniform editorial style on the electronic appendices.

**Electronic Appendix A.** Information on minisatellite band sharing coefficients, hatching success (%), body mass (g), cooperative breeding, coloniality and island distributions in birds.

|                                   | Band sharing | Hatching success | Body mass | Coloniality | Cooperativebreeding | Island distribution | References for band sharing                                   | References for hatching success                  |
|-----------------------------------|--------------|------------------|-----------|-------------|---------------------|---------------------|---|--|
| <i>Acrocephalus arundinaceus</i>  | 0.279        | 92.4             | 27.2      |             |                     |                     | Hasselquist <i>et al.</i> 1996;<br>Leisler <i>et al.</i> 2000 | Cramp & Brooks 1992; Glutz<br>von Blotzheim 1991 |
| <i>Acrocephalus palustris</i>     | 0.200        | 94.8             | 11.9      |             |                     |                     | Leisler & Wink 2000   | Cramp & Brooks 1992                              |
| <i>Acrocephalus schoenobaenus</i> | 0.269        | 94.4             | 11.2      |             |                     |                     | Buchanan & Catchpole 2000;<br>Langefors <i>et al.</i> 1998    | Cramp & Brooks 1992; Glutz<br>von Blotzheim 1991 |
| <i>Acrocephalus vaughani</i>      | 0.188        | 95.7             | 24.5      |             | yes                 | yes                 | Brooke & Hartley 1995   | M. de L. Brooke, pers. comm.                     |
| <i>Agelaius phoeniceus</i>        | 0.292        | 88.7             | 52.6      |             |                     |                     | Gibbs <i>et al.</i> 1990; Gray<br>1996; Westneat 1993         | Yasukawa & Searcy 1995                           |
| <i>Anser caerulescens</i>         | 0.212        | 94.9             | 2649.6    | yes         |                     |                     | Dunn <i>et al.</i> 1999                                       | Mawbray <i>et al.</i> 2000                       |
| <i>Anser rossi</i>                | 0.213        | 97.5             | 1589.5    | yes         |                     |                     | Dunn <i>et al.</i> 1999                                       | Ryder & Alisauskas 1995                          |

|                                |       |       |        |     |     |  |  |   |   |
|--------------------------------|-------|-------|--------|-----|-----|--|--|---|---|
| <i>Anthus spinoletta</i>       | 0.236 | 90.3  | 23.9   |     |     |  |  | Reyer <i>et al.</i> 1997                                    | Rauter 1996                                       |
| <i>Aphelocoma coerulescens</i> | 0.275 | 88.8  | 80.2   | yes |     |  |  | Quinn <i>et al.</i> 1999                                    | Woolfenden & Fitzpatrick 1984                     |
| <i>Apus apus</i>               | 0.173 | 79.8  | 37.6   | yes |     |  |  | Martins <i>et al.</i> 2002                                  | Cramp 1985  |
| <i>Athene noctua</i>           | 0.22  | 90.95 | 164    |     |     |  |  | Müller <i>et al.</i> 2001                                   | Schönn <i>et al.</i> 1991                         |
| <i>Branta leucopsis</i>        | 0.320 | 71.9  | 1687.0 | yes |     |  |  | Choudhury <i>et al.</i> 1993;<br>Larsson <i>et al.</i> 1995 | Cramp 1977; Glutz von<br>Blotzheim 1968           |
| <i>Buteo galapagoensis</i>     | 0.685 | 45.0  | 1400   | yes | yes |  |  | Faaborg <i>et al.</i> 1995                                  | de Vries 1975                                     |
| <i>Calidris maritima</i>       | 0.260 | 100   | 81.5   |     |     |  |  | Pierce & Liffeld 1998                                       | Cramp & Simmons 1983; Glutz<br>von Blotzheim 1975 |
| <i>Calidris mauri</i>          | 0.110 | 91.0  | 30.0   |     |     |  |  | Blomqvist <i>et al.</i> 2002                                | Sandercocock 1997                                 |
| <i>Calonectris diomedea</i>    | 0.289 | 96.3  | 535.0  | yes |     |  |  | Swatschek <i>et al.</i> 1994                                | M. Wink, pers. comm.                              |
| <i>Cardinalis cardinalis</i>   | 0.190 | 86.5  | 44.7   |     |     |  |  | Ritchison <i>et al.</i> 1994                                | K. P. Eckerle & R. Breitwisch,<br>pers. comm.     |
| <i>Carpodacus mexicanus</i>    | 0.220 | 81.0  | 21.4   |     |     |  |  | Hill <i>et al.</i> 1994                                     | Hill 1993   |
| <i>Catharacta lonnbergi</i>    | 0.335 | 94.1  | 1922.0 | yes | yes |  |  | Millar <i>et al.</i> 1994                                   | Young 1994  |
| <i>Catharacta maccormicki</i>  | 0.200 | 98.3  | 1156.0 | yes |     |  |  | Millar <i>et al.</i> 1997                                   | Young 1994  |
| <i>Charadrius hiaticula</i>    | 0.150 | 90.8  | 64.0   |     |     |  |  | Wallander <i>et al.</i> 2001                                | J. Wallander, pers. comm.                         |
| <i>Corvus monedula</i>         | 0.085 | 99.4  | 246.0  | yes |     |  |  | Henderson <i>et al.</i> 2000                                | M. Soler, pers. comm.                             |
| <i>Cyanoliseus patagonus</i>   | 0.290 | 88.0  | 279.5  | yes |     |  |  | Masello <i>et al.</i> 2002                                  | Masello & Quillfeldt 2002                         |
| <i>Dacelo novaeguineae</i>     | 0.190 | 90.2  | 305.0  | yes | yes |  |  | Legge & Cockburn 2000                                       | Legge 2000  |
| <i>Delichon urbica</i>         | 0.195 | 93.2  | 14.5   | yes |     |  |  | Riley <i>et al.</i> 1995                                    | Cramp 1988; Glutz von                             |

|                               |       |      |        |     |  |  |     |  |   |  |
|-------------------------------|-------|------|--------|-----|--|--|-----|--|---|--|
|                               |       |      |        |     |  |  |     |  |   | Blotzheim 1985a                                |
| <i>Dendroica caerulescens</i> | 0.175 | 92.6 | 10.2   |     |  |  |     |  | Chuang <i>et al.</i> 1999   | Holmes <i>et al.</i> 1992                      |
| <i>Dendroica petechia</i>     | 0.170 | 90.2 | 9.6    |     |  |  |     |  | Yezerinac <i>et al.</i> 1996  | Lowther <i>et al.</i> 1999                     |
| <i>Emberiza calandra</i>      | 0.180 | 80.7 | 46.0   |     |  |  |     |  | Hartley <i>et al.</i> 1993  | Cramp & Perrins 1994; Glutz von Blotzheim 1997 |
| <i>Eudypetes schlegeli</i>    | 0.580 | 86.0 | 4250.0 | yes |  |  | yes |  | St Clair <i>et al.</i> 1995   | Richdale 1941                                  |
| <i>Euplectes orix</i>         | 0.088 | 90.9 | 16.3   | yes |  |  |     |  | Friedl & Klump 1999   | Craig 1982; Kok <i>et al.</i> 1977             |
| <i>Falco columbarius</i>      | 0.326 | 91.3 | 190.5  |     |  |  |     |  | Warkentin <i>et al.</i> 1994  | Sodhi <i>et al.</i> 1993                       |
| <i>Falco eleonora</i>         | 0.218 | 91.6 | 390.0  | yes |  |  |     |  | Swatschek <i>et al.</i> 1993  | M. Wink, pers. comm.                           |
| <i>Falco naumanni</i>         | 0.216 | 92.9 | 152.5  | yes |  |  |     |  | Negro <i>et al.</i> 1996  | J. L. Tella, pers. comm.                       |
| <i>Falco sparverius</i>       | 0.131 | 82.9 | 115.5  |     |  |  |     |  | Villarreal <i>et al.</i> 1998   | G. Bortolotti, pers. comm.                     |
| <i>Ficedula hypoleuca</i>     | 0.184 | 90.7 | 11.6   |     |  |  |     |  | Brün <i>et al.</i> 1996; Liffeld <i>et al.</i> 1991; Rätti <i>et al.</i> 1995 | Lundberg & Alatalo 1992                        |
| <i>Fringilla coelebs</i>      | 0.162 | 86.5 | 21.4   |     |  |  |     |  | Sheldon & Burke 1994  | Cramp & Perrins 1994; Glutz von Blotzheim 1997 |
| <i>Fulmarus glacialis</i>     | 0.154 | 93.0 | 544.0  | yes |  |  |     |  | Hunter <i>et al.</i> 1992   | Hatch & Nettleship 1998                        |
| <i>Gallinula chloropus</i>    | 0.266 | 90.6 | 302.5  |     |  |  |     |  | McRae & Burke 1996  | Glutz von Blotzheim 1973                       |
| <i>Gallinula mortieri</i>     | 0.677 | 64.6 | 400.0  | yes |  |  | yes |  | Gibbs <i>et al.</i> 1994  | Higgins & Davies 1996                          |
| <i>Geothypis trichas</i>      | 0.160 | 94.2 | 10.1   |     |  |  |     |  | Peterson <i>et al.</i> 2001   | P. O. Dunn, pers. comm.                        |
| <i>Guira guira</i>            | 0.270 | 69.8 | 152.0  | yes |  |  |     |  | Quinn <i>et al.</i> 1994  | Macedo 1992                                    |
| <i>Haematopus ostralegus</i>  | 0.220 | 96.0 | 526.0  |     |  |  |     |  | Heg <i>et al.</i> 1993  | Glutz von Blotzheim 1973                       |

|                                |       |      |        |     |     |  |                               |  |
|--------------------------------|-------|------|--------|-----|-----|--|-------------------------------|--|
| <i>Hirundo rustica</i>         | 0.106 | 98.0 | 16.0   | yes |     |  | Møller & Tegelström 1997      | A. P. Møller, unpubl. data.                |
| <i>Lagopus lagopus</i>         | 0.292 | 89.0 | 558.5  |     |     |  | Freeland <i>et al.</i> 1995   | Hannon <i>et al.</i> 1998                  |
| <i>Lanius minor</i>            | 0.350 | 89.1 | 48.6   |     |     |  | H. Hoi, pers. comm.           | H. Hoi, pers. comm.                        |
| <i>Larus canus</i>             | 0.190 | 80.3 | 403.5  | yes |     |  | Bukacinska <i>et al.</i> 1998 | D. Bukacinski & M. Bukacinska, pers. comm. |
| <i>Larus occidentalis</i>      | 0.340 | 76.0 | 1011.0 | yes |     |  | Gilbert <i>et al.</i> 1998    | Gilbert 1996                               |
| <i>Loxioides bailleui</i>      | 0.270 | 61.0 | 36.0   |     | yes |  | Fleischer <i>et al.</i> 1994  | Pratt <i>et al.</i> 1997                   |
| <i>Luscinia svecica</i>        | 0.290 | 90.3 | 16.8   |     |     |  | Krokene <i>et al.</i> 1996    | Cramp 1988; Glutz von Blotzheim 1988       |
| <i>Malurus cyaneus</i>         | 0.224 | 94.3 | 9.0    | yes |     |  | Dunn & Cockburn 1999          | A. Cockburn, pers. comm.                   |
| <i>Manorina melanophrys</i>    | 0.360 | 89.4 | 31.6   | yes |     |  | Pöldmaa <i>et al.</i> 1995    | R. J. Robertson & M. Clarke, pers. comm.   |
| <i>Melanerpes formicivorus</i> | 0.226 | 85.9 | 80.5   | yes |     |  | Dickinson <i>et al.</i> 1995  | Koenig 1982                                |
| <i>Nectarinia osea</i>         | 0.385 | 80.7 | 7.6    |     |     |  | Zilberman <i>et al.</i> 1999  | Y. Yom-Tov, pers. comm.                    |
| <i>Oceanites oceanicus</i>     | 0.300 | 87.0 | 51.0   | yes |     |  | Quillfeldt <i>et al.</i> 2001 | P. Quillfeldt, pers. comm.                 |
| <i>Oceanodroma leucorhoa</i>   | 0.580 | 75.7 | 35.2   | yes |     |  | Mauck <i>et al.</i> 1995      | Huntington <i>et al.</i> 1996              |
| <i>Oenanthe oenanthe</i>       | 0.210 | 99.3 | 26.5   |     |     |  | Currie <i>et al.</i> 1998     | T. Pärt, pers. comm.                       |
| <i>Panurus biarmicus</i>       | 0.300 | 89.9 | 15.7   |     |     |  | Hoi & Hoi-Leitner 1997        | H. Hoi, pers. comm.                        |
| <i>Parus ater</i>              | 0.170 | 92.5 | 9.1    |     |     |  | Lubjuhn <i>et al.</i> 1999    | Glutz von Blotzheim & Bauer 1993           |
| <i>Parus atricapillus</i>      | 0.051 | 90.0 | 10.8   |     |     |  | Otter <i>et al.</i> 1998      | K. Otter pers. comm.                       |

|                                  |       |       |        |     |  |  |  |   |  |
|----------------------------------|-------|-------|--------|-----|--|--|--|---|--|
| <i>Parus caeruleus</i>           | 0.181 | 90.4  | 13.3   |     |  |  |  | Gullberg <i>et al.</i> 1992;<br>Kempenaers <i>et al.</i> 1995 | Glutz von Blotzheim & Bauer<br>1993                        |
| <i>Parus major</i>               | 0.215 | 92.2  | 19.0   |     |  |  |  | Gullberg <i>et al.</i> 1992                                   | Glutz von Blotzheim & Bauer<br>1993                        |
| <i>Parus montanus</i>            | 0.200 | 82.5  | 10.2   |     |  |  |  | Orell <i>et al.</i> 1997                                      | Glutz von Blotzheim & Bauer<br>1993                        |
| <i>Passer domesticus</i>         | 0.218 | 90.5  | 27.7   | yes |  |  |  | Veiga & Boto 2000;<br>Whitekiller <i>et al.</i> 2000          | Whitekiller <i>et al.</i> 2000; P. L.<br>Veiga pers. comm. |
| <i>Passerculus sandwichensis</i> | 0.312 | 92.9  | 22.7   |     |  |  |  | Freeman-Gallant 1997  | Wheelwright & Rising 1993                                  |
| <i>Perisoreus infaustus</i>      | 0.430 | 90.9  | 84.4   |     |  |  |  | Ekman <i>et al.</i> 1994                                      | J. Ekman, pers. comm.                                      |
| <i>Phalacrocorax aristotelis</i> | 0.380 | 90.50 | 1769.0 | yes |  |  |  | Graves <i>et al.</i> 1993                                     | Cramp 1977; Glutz von<br>Blotzheim 1968                    |
| <i>Phalaropus fulicarius</i>     | 0.186 | 92.1  | 55.7   |     |  |  |  | Dale <i>et al.</i> 1999                                       | R. D. Montgomery, pers.<br>comm.                           |
| <i>Phalaropus tricolor</i>       | 0.270 | 99.7  | 60.0   |     |  |  |  | Delehanty <i>et al.</i> 1998                                  | Colwell & Jehl 1994  |
| <i>Pica pica</i>                 | 0.155 | 96.1  | 177.5  |     |  |  |  | Parrott 1995  | T. R. Birkhead, pers. comm.                                |
| <i>Picoides borealis</i>         | 0.520 | 85.9  | 43.6   | yes |  |  |  | Haig <i>et al.</i> 1994                                       | LaBranche & Walters 1994                                   |
| <i>Progne subis</i>              | 0.140 | 89.3  | 49.4   | yes |  |  |  | Morton <i>et al.</i> 1990; Wagner<br><i>et al.</i> 1996       | Brown 1997   |
| <i>Promerops cafer</i>           | 0.200 | 100   | 36.5   |     |  |  |  | Henderson 2000  | Broekhuysen 1959   |
| <i>Prunella collaris</i>         | 0.136 | 90.3  | 43.7   | yes |  |  |  | Hartley <i>et al.</i> 1995                                    | Cramp 1988; Glutz von                                      |

|                              |       |      |        |     |  |  |  |
|------------------------------|-------|------|--------|-----|--|--|--|
| <i>Prunella modularis</i>    | 0.240 | 86.3 | 19.8   | yes |  | Burke <i>et al.</i> 1989   | Blotzheim 1985b<br>Cramp 1988; Glutz von Blotzheim 1985b |
| <i>Puffinus tenuirostris</i> | 0.298 | 94.0 | 543.0  | yes |  | Austin & Parkin 1996   | Marchant & Higgins 1990                                  |
| <i>Pygoscelis adeliae</i>    | 0.240 | 86.9 | 4850.0 | yes |  | Pilastro <i>et al.</i> 2001  | Marchant & Higgins 1990                                  |
| <i>Pygoscelis antarctica</i> | 0.121 | 95.5 | 4150.0 | yes |  | Moreno <i>et al.</i> 2000  | A. de Leon, pers. comm.                                  |
| <i>Quiscalus major</i>       | 0.190 | 92.8 | 166.5  |     |  | Poston <i>et al.</i> 1999  | Post <i>et al.</i> 1996                                  |
| <i>Remiz pendulinus</i>      | 0.390 | 80.9 | 9.3    | yes |  | Schleicher <i>et al.</i> 1997  | H. Hoi, pers. comm.                                      |
| <i>Riparia riparia</i>       | 0.196 | 95.8 | 14.6   | yes |  | Alves & Bryant 1998  | Cramp 1988; Glutz von Blotzheim 1985a                    |
| <i>Sayornis phoebe</i>       | 0.206 | 95.2 | 19.8   |     |  | Conrad <i>et al.</i> 1998  | H. P. Weeks Jr, pers. comm.                              |
| <i>Sericornis frontalis</i>  | 0.172 | 93.0 | 12.8   | yes |  | Whittingham <i>et al.</i> 1997   | R. D. Magrath, pers. comm.                               |
| <i>Sialia mexicana</i>       | 0.230 | 70.5 | 28.1   | yes |  | Dickinson & Akre 1998  | Fair & Myers 2002  |
| <i>Sialia sialis</i>         | 0.160 | 83.0 | 31.6   |     |  | Meek <i>et al.</i> 1994  | Gowaty & Plissner 1998                                   |
| <i>Sturnus vulgaris</i>      | 0.148 | 90.5 | 82.3   | yes |  | Pinxten <i>et al.</i> 1993; Smith <i>et al.</i> 1996; Smith & von Schantz 1993 | Cramp & Perrins 1994; Glutz von Blotzheim 1993           |
| <i>Tachycineta bicolor</i>   | 0.224 | 87.0 | 20.1   | yes |  | Barber <i>et al.</i> 1996; Liffield <i>et al.</i> 1993                         | Robertson <i>et al.</i> 1992                             |
| <i>Taeniopygia guttata</i>   | 0.164 | 83.0 | 12.0   | yes |  | Birkhead <i>et al.</i> 1990  | Zann 1996  |
| <i>Tetrao tetrix</i>         | 0.110 | 93.2 | 1082.5 |     |  | Alatalo <i>et al.</i> 1996   | Lindén 1981; Valkeajärvi & Ijäs                          |

|                                 |       |      |       |     |     |  |  |  |     |                               | 1994                                   |
|---------------------------------|-------|------|-------|-----|-----|--|--|--|-----|-------------------------------|--|
| <i>Thalassoica antarctica</i>   | 0.130 | 95.2 | 754.5 | yes |     |  |  |  |     | Lorentsen <i>et al.</i> 2000  | S. -H. Lorentsen, pers. comm.          |
| <i>Thryothorus ludovicianus</i> | 0.225 | 90.8 | 18.7  |     |     |  |  |  |     | Haggerty <i>et al.</i> 2001   | T. Haggerty, pers. comm.               |
| <i>Tringa macularia</i>         | 0.290 | 89.6 | 40.4  |     |     |  |  |  |     | Oring <i>et al.</i> 1992      | Oring <i>et al.</i> 1983               |
| <i>Troglodytes aedon</i>        | 0.180 | 97.0 | 10.9  |     |     |  |  |  |     | Soukup & Thompson 1997        | Johnson 1998                           |
| <i>Turdoides squamiceps</i>     | 0.655 | 88.7 | 60.0  |     | yes |  |  |  |     | Lundy <i>et al.</i> 1998      | R. Ostraicher & A. Zahavi, pers. comm. |
| <i>Turdus merula</i>            | 0.286 | 98.4 | 111.2 |     |     |  |  |  |     | Creighton 2000                | R. D. Magrath, pers. comm.             |
| <i>Tyrannus tyrannus</i>        | 0.115 | 93.9 | 43.6  |     |     |  |  |  |     | Rowe <i>et al.</i> 2001       | Koenig 1982                            |
| <i>Upupa epops</i>              | 0.180 | 92.0 | 75.0  |     |     |  |  |  |     | Martin-Vivaldi 1997           | Martin-Vivaldi <i>et al.</i> 1999      |
| <i>Uria aalge</i>               | 0.213 | 96.9 | 992.5 | yes |     |  |  |  |     | Birkhead <i>et al.</i> 2001   | T. R. Birkhead, pers. comm.            |
| <i>Wilsonia citrina</i>         | 0.261 | 91.0 | 10.5  |     |     |  |  |  |     | Stutchbury <i>et al.</i> 1997 | Moorman <i>et al.</i> 2002             |
| <i>Zosterops lateralis</i>      | 0.320 | 88.0 | 12.9  |     |     |  |  |  | yes | Robertson <i>et al.</i> 2001  | J. Kikkawa, pers. comm.                |

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