**Table S2. List of the species included in our analyses and associated life history traits.**

Migratory status is either “short distance migrant” (sd) or “long distance migrant” (ld). Sedentary species are counfounded with short distance migrants. Age of first breeding is a two-level variable (1 = first breeding in first year, 2 = first breeding in second year or later). Species are ordered according to the phylogeny used in the analyses (see Figure S5).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **species** | **mean number of FBBS squares (2002-2008)** | **migratory status** | **age of first breeding** | **range size (×10^6km²)** |
| Dendrocopos major | 256.7 | sd | 1 | 37.47 |
| Dryocopus martius | 67.6 | sd | 1 | 29.48 |
| Picus viridis | 263.6 | sd | 1 | 25.83 |
| Upupa epops | 105.4 | ld | 1 | 35.30 |
| Oriolus oriolus | 186.4 | ld | 2 | 32.96 |
| Lanius collurio | 81.6 | ld | 1 | 34.75 |
| Pica pica | 203.4 | sd | 2 | 51.27 |
| Nucifraga caryocatactes | 3.3 | sd | 2 | 11.09 |
| Corvus monedula | 33.0 | sd | 2 | 39.29 |
| Corvus corone | 468.7 | sd | 2 | 6.45 |
| Corvus frugilegus | 53.6 | sd | 2 | 22.99 |
| Garrulus glandarius | 277.1 | sd | 2 | 41.80 |
| Poecile montanus | 18.4 | sd | 1 | 30.44 |
| Poecile palustris | 80.0 | sd | 1 | 19.34 |
| Periparus ater | 64.4 | sd | 1 | 31.50 |
| Cyanistes caeruleus | 351.6 | sd | 1 | 37.90 |
| Lophophanes cristatus | 64.7 | sd | 1 | 24.77 |
| Parus major | 455.6 | sd | 1 | 48.91 |
| Hippolais polyglotta | 165.6 | ld | 1 | 6.99 |
| Aegithalos caudatus | 105.0 | sd | 1 | 33.35 |
| Phylloscopus bonelli | 51.3 | ld | 1 | 5.31 |
| Phylloscopus sibilatrix | 58.6 | ld | 1 | 26.57 |
| Phylloscopus collybita | 440.6 | ld | 1 | 34.10 |
| Phylloscopus trochilus | 47.9 | ld | 1 | 35.51 |
| Sylvia atricapilla | 506.6 | sd | 1 | 32.22 |
| Sylvia borin | 129.1 | ld | 1 | 32.06 |
| Sylvia cantillans | 12.0 | ld | 1 | 6.65 |
| Sylvia melanocephala | 23.0 | sd | 1 | 9.58 |
| Sylvia communis | 226.7 | ld | 1 | 39.07 |
| Sylvia hortensis | 5.0 | ld | 1 | 3.88 |
| Hirundo rustica | 68.1 | ld | 1 | 49.51 |
| Delichon urbica | 8.0 | ld | 1 | 45.80 |
| Alauda arvensis | 290.3 | sd | 1 | 41.72 |
| Lullula arborea | 114.9 | sd | 1 | 28.15 |
| Passer montanus | 29.1 | sd | 1 | 41.41 |
| Passer domesticus | 236.6 | sd | 1 | 63.09 |
| Fringilla coelebs | 519.6 | sd | 1 | 49.77 |
| Coccothraustes coccothraustes | 41.1 | sd | 1 | 25.23 |
| Carduelis chloris | 230.3 | sd | 1 | 40.51 |
| Loxia curvirostra | 7.3 | sd | 1 | 25.01 |
| Serinus citrinella | 3.5 | sd | 1 | 1.11 |
| Serinus serinus | 85.3 | sd | 1 | 21.07 |
| Carduelis carduelis | 155.0 | sd | 1 | 42.70 |
| Carduelis cannabina | 127.7 | sd | 1 | 38.64 |
| Pyrrhula pyrrhula | 50.3 | sd | 1 | 28.25 |
| Emberiza cirlus | 133.0 | sd | 1 | 9.94 |
| Emberiza citrinella | 245.3 | sd | 1 | 35.95 |
| Emberiza hortulana | 7.3 | ld | 1 | 24.37 |
| Anthus campestris | 9.4 | sd | 1 | 18.15 |
| Anthus trivialis | 158.6 | ld | 1 | 31.30 |
| Anthus spinoletta | 2.0 | sd | 1 | 4.49 |
| Motacilla flava | 90.6 | ld | 1 | 38.61 |
| Motacilla alba | 123.7 | sd | 1 | 49.04 |
| Prunella modularis | 198.4 | sd | 1 | 29.45 |
| Turdus viscivorus | 174.0 | sd | 1 | 35.93 |
| Turdus merula | 528.1 | sd | 1 | 40.86 |
| Turdus torquatus | 5.7 | sd | 1 | 5.81 |
| Turdus philomelos | 371.3 | sd | 1 | 39.67 |
| Sturnus vulgaris | 274.7 | sd | 1 | 41.53 |
| Phoenicurus ochruros | 131.1 | sd | 1 | 19.64 |
| Phoenicurus phoenicurus | 58.3 | ld | 1 | 38.40 |
| Saxicola torquata | 179.1 | sd | 1 | 20.06 |
| Luscinia megarhynchos | 288.3 | ld | 1 | 18.79 |
| Erithacus rubecula | 406.4 | sd | 1 | 35.61 |
| Sitta europaea | 206.6 | sd | 1 | 31.76 |
| Troglodytes troglodytes | 417.4 | sd | 1 | 32.89 |
| Certhia brachydactyla | 225.4 | sd | 1 | 12.91 |
| Certhia familiaris | 21.0 | sd | 1 | 27.00 |
| Regulus ignicapillus | 91.1 | sd | 1 | 11.60 |
| Regulus regulus | 73.6 | sd | 1 | 25.37 |
| Cuculus canorus | 365.6 | ld | 2 | 48.65 |
| Columba palumbus | 461.0 | sd | 1 | 39.68 |
| Streptopelia decaocto | 243.3 | sd | 1 | 32.30 |
| Streptopelia turtur | 272.9 | ld | 1 | 51.84 |