**Supplementary File 10.** Mating system classification (monogamy versus polygamy) of the 26 sampled species in alphabetical order.

|  |  |  |  |
| --- | --- | --- | --- |
| Species | Class | Mating System | Reference |
| *Acanthoscelides obtectus* | Insecta | Polygamy | (Seslija *et al.* 2009) |
| *Acrocephalus arundinaceus* | Aves | Polygamy | (Hasselquist *et al.* 1995) |
| *Anolis sagrei* | Reptilia | Polygamy | (Kamath & Losos 2018) |
| *Callosobruchus maculatus* | Insecta | Polygamy | (Fritzsche & Arnqvist 2013) |
| *Cervus elaphus* | Mammalia | Polygamy | (Bonenfant *et al.* 2004; Frantz *et al.* 2008) |
| *Drosophila melanogaster* | Insecta | Polygamy | (Morimoto *et al.* 2016) |
| *Drosophila serrata* | Insecta | Polygamy | (Frentiu & Chenoweth 2008) |
| *Drosophila simulans* | Insecta | Polygamy | (Taylor *et al.* 2008) |
| *Ficedula albicollis* | Aves | Monogamy | (Qvarnstrom *et al.* 2003) |
| *Gryllodes sigillatus* | Insecta | Polygamy | (Ivy & Sakaluk 2005) |
| *Gryllus bimaculatus* | Insecta | Polygamy | (Bretman & Tregenza 2005) |
| *Homo sapiens* | Mammalia | Monogamy | (Dixson 2009) |
| *Larus novaehollandiae* | Aves | Monogamy | (Mills 1973) |
| *Macrostomum lignano* | Rhabditophora | Polygamy | (Janicke & Schärer 2009) |
| *Melitaea cinxia* | Insecta | Polygamy | (Boggs & Nieminen 2004) |
| *Melospiza melodia* | Aves | Monogamy | (Arcese 1989) |
| *Ovis canadensis* | Mammalia | Polygamy | (Coltman *et al.* 2002) |
| *Parus major* | Aves | Monogamy | (Dhondt 1987) |
| *Passerculus sandwichensis* | Aves | Polygamy | (Wheelwright *et al.* 1992) |
| *Physa acuta* | Gastropoda | Polygamy | (Pélissié *et al.* 2012) |
| *Plodia interpunctella* | Insecta | Polygamy | (Gage 1995) |
| *Sepsis cynipsea* | Insecta | Polygamy | (Teuschl & Blanckenhorn 2007) |
| *Sterna hirundo* | Aves | Monogamy | (Griggio *et al.* 2004) |
| *Tamiasciurus hudsonicus* | Mammalia | Polygamy | (Lane *et al.* 2008) |
| *Teleogryllus commodus* | Insecta | Polygamy | (Evans 1988; Jennions *et al.* 2004) |
| *Tribolium castaneum* | Insecta | Polygamy | (Fedina & Lewis 2008) |

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