**List of references, as numbered in trait\_matrix\_refs.xlsx**

1. Handbook of the Birds of the World alive. [Www.hbw.com](http://Www.hbw.com/)
2. Prater, A J., Marchant, J.H., Vuorinen, J. (1977) *Guide to the identification and ageing of Holarctic waders*. BTO Guide 17. British Trust for Ornithology: Tring, UK.
3. Hayman, P., Marchant, J., Prater, T. (1986). *Shorebirds: an identification guide*. Christopher Helm, London, UK.
4. Piersma, T., van Gils, J. A. (2011) *The Flexible Phenotype*. Oxford University Press, Oxford, UK.
5. Müller Brusco, G. (2011). *Migração e ecologia alimentar de* Calidris canutus rufa *(Aves: Scolopacidae) no litoral médio e norte do Rio Grande do Sul*. Thesis. Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, Brazil.
6. Lara Resende, S. de M. (1988) *Nonbreeding strategies of migratory birds at Lagoa do Peixe, Rio Grande do Sul, Brazil*. Thesis. Cornell University, LOCATION, USA.
7. Fedrizzi, C. E. (2008) *Distribuição, abundância e ecologia alimentar de aves limícolas (Charadriiformes: Charadrii e Scolopaci) na zona costeira do Rio Grande do Sul, Brasil*. Thesis. Fundação Universidade Federal do Rio Grande, Rio Grande, RS, Brazil.
8. Lourenço, P. M., Alves, J. A., Catry, T., Granadeiro, J. P., 2015. Foraging ecology of sanderlings Calidris alba wintering in estuarine and non-estuarine intertidal areas. *Journal of Sea Research*. http://dx.doi.org/10.1016/j.seares.2015.06.013
9. van Perlo, B. (2009) *A field guide to the birds of Brazil*. Oxford University Press, New York, USA.
10. Nascimento, Inês de Lima Serrano do (1995). *Aves do Parque Nacional da Lagoa do Peixe*. Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis, Brasília, Brazil.

**Notes**

* Mean used where provided. Where mass was reported as a range, e.g. “277-426g” the middle value is reported, e.g. “381.5g”.
* For sexually dimorphic species, if an average was provided for adults of each sex the mean of this was used. Otherwise, the middle between the smallest and largest overall measurements.
* Where biometrics are reported separately for different subspecies/populations, the local subspecies/population was used.
* From diet studies, prey classes constituting ≤ 1% (or observed only once, if n < 100) of the diet were not included.