**Dryad repository for: Genetic diversity and connectivity of southern right whales (*Eubalaena australis*) found in the Brazil and Chile-Peru wintering grounds and the South Georgia (Islas Georgias del Sur) feeding ground**

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1. Microsatellite data

The repository contains microsatellite genotypes for all samples used in the analysis in genepop format: SRW\_All\_Data\_SamplingLocationGenepop.txt

The order of populations in this file is as follows:

South Africa (n = 123)

Argentina (n = 46)

Brazil (n = 50)

South Georgia (n = 11)

Chile (n = 1)

Australia (n = 78)

New Zealand (n = 51)

As per Table 1 in the original manuscript.

2. Mitochondrial DNA data

This repository contains the mtDNA data in two formats:

(A) excel spreadsheet with haplotype names, genbank accession numbers, references and accession numbers, with count of each haplotype per sampling location: Dryad\_mtDNA\_Hap\_Frequencies.xlsx

(B) Arlequin file linking haplotype counts and sequences in one file: 380bp\_SGSRW\_SouthAtlantic\_Aug19.txt

NB: the sequence length is 381 bp, which is shorter than many of the genbank submissions, but was necessary to get a consensus region across the samples.