**Supplemental Information S1**

**Specimens used**

Below are the full details of the specimens used and their accession numbers. All specimen data are available from the Natural History Museum’s Data Portal at <http://dx.doi.org/10.5519/0082274> (Page & Cooper 2017) (Table S1).

Table S1**. Accession numbers and species of specimens sampled.** Taxonomic names follow that of Rice (1998).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Accession number | Species | Cranium | Mandible | Both |
| NHMUK\_1933.10.13.2 | Delphinapterus\_leucas | x |  |  |
| NHMUK\_1933.10.13.4 | Delphinapterus\_leucas |  |  | x |
| NHMUK\_1933.10.13.1 | Delphinapterus\_leucas | x |  |  |
| NHMUK\_1952.10.30.2 | Delphinapterus\_leucas | x |  |  |
| NHMUK\_SW.1932.60 | Delphinapterus\_leucas | x |  |  |
| NHMUK\_1973.107 | Delphinus\_delphis |  | x |  |
| NHMUK\_1888.5.20.2 | Delphinus\_delphis |  |  | x |
| NHMUK\_1946.12.24.3 | Delphinus\_delphis |  |  | x |
| NHMUK\_1973.106 | Delphinus\_delphis |  |  | x |
| NHMUK\_1946.12.24.1 | Delphinus\_delphis |  |  | x |
| NHMUK\_SW.1927.25 | Grampus\_griseus |  |  | x |
| NHMUK\_SW.1929.7 | Grampus\_griseus |  |  | x |
| NHMUK\_SW.1933.14 | Grampus\_griseus |  |  | x |
| NHMUK\_SW.1938.7 | Grampus\_griseus |  |  | x |
| NHMUK\_SW.1940.6 | Grampus\_griseus | x |  |  |
| NHMUK\_GERM 1169b | Inia\_geoffrensis |  |  | x |
| NHMUK\_1856.8.2.1 | Inia\_geoffrensis |  |  | x |
| NHMUK\_1937.5.26.1 | Inia\_geoffrensis |  |  | x |
| NHMUK\_1939.5.13.1 | Inia\_geoffrensis |  |  | x |
| NHMUK\_SW.1926.17 | Lagenorhynchus\_acutus |  |  | x |
| NHMUK\_SW.1929.25 | Lagenorhynchus\_acutus |  |  | x |
| NHMUK\_1920.6.28.1 | Lagenorhynchus\_acutus |  |  | x |
| NHMUK\_1944.11.30.1 | Lagenorhynchus\_australis |  |  | x |
| NHMUK\_1961.6.12.1 | Lagenorhynchus\_australis |  |  | x |
| NHMUK\_1944.11.16.1 | Lagenorhynchus\_obscurus |  |  | x |
| NHMUK\_1944.11.16.2 | Lagenorhynchus\_obscurus |  |  | x |
| NHMUK\_1949.5.30.1 | Lagenorhynchus\_obscurus |  |  | x |
| NHMUK\_1922.6.22.1 | Lipotes\_vexillifer |  |  | x |
| NHMUK\_1908.2.28.1 | Mesoplodon\_bidens |  | x |  |
| NHMUK\_1920.12.20.1 | Mesoplodon\_bidens |  | x |  |
| NHMUK\_SW.1964.6.3.7 | Mesoplodon\_bidens | x |  |  |
| NHMUK\_1949.8.19.1 | Mesoplodon\_hectori |  |  | x |
| NHMUK\_1937.10.30.2 | Monodon\_monoceros | x |  |  |
| NHMUK\_1885.2.20.1 | Monodon\_monoceros | x |  |  |
| NHMUK\_1937.10.30.1 | Monodon\_monoceros | x |  |  |
| NHMUK\_1949.11.2.1 | Monodon\_monoceros | x |  |  |
| NHMUK\_1889.8.6.1 | Neophocaena\_phocaenoides | x |  |  |
| NHMUK\_1902.6.10.65 | Neophocaena\_phocaenoides |  |  | x |
| NHMUK\_1903.9.12.3 | Neophocaena\_phocaenoides |  |  | x |
| NHMUK\_1950.9.19.1 | Phocoena\_phocoena |  | x |  |
| NHMUK\_SW.1928.49 | Phocoena\_phocoena |  | x |  |
| NHMUK\_SW.1928.49 | Phocoena\_phocoena | x |  |  |
| NHMUK\_SW.1933.50 | Phocoena\_phocoena | x |  |  |
| NHMUK\_1957.6.4.1 | Phocoenoides\_dalli |  |  | x |
| NHMUK\_1965.1.19.2 | Phocoenoides\_dalli |  |  | x |
| NHMUK\_1843.8.18.5 | Platanista\_gangetica | x |  |  |
| NHMUK\_1874.6.1.1 | Platanista\_gangetica |  |  | x |
| NHMUK\_1884.3.29.1 | Platanista\_gangetica |  |  | x |
| NHMUK\_1884.3.29.1 | Platanista\_gangetica |  | x |  |
| NHMUK\_GERM 344a | Platanista\_gangetica |  |  | x |
| NHMUK\_1866.12.13.1 | Pontoporia\_blainvillei | x |  |  |
| NHMUK\_1925.11.21 | Pontoporia\_blainvillei |  |  | x |
| NHMUK\_1939.4529 | Pontoporia\_blainvillei |  |  | x |
| NHMUK\_1961.6.14.4 | Pseudorca\_crassidens |  |  | x |
| NHMUK\_1961.6.14.86 | Pseudorca\_crassidens |  |  | x |
| NHMUK\_1961.6.14.27 | Pseudorca\_crassidens |  |  | x |
| NHMUK\_1984.1759 | Sousa\_chinensis |  |  | x |
| NHMUK\_1957.5.9.7 | Stenella\_attenuata |  |  | x |
| NHMUK\_1959.12.13.2 | Stenella\_attenuata |  |  | x |
| NHMUK\_1959.12.31.5 | Stenella\_attenuata |  |  | x |
| NHMUK\_1869.5.21.2 | Stenella\_attenuata |  |  | x |
| NHMUK\_1882.1.2.1 | Stenella\_clymene |  |  | x |
| NHMUK\_1948.3.13.2 | Stenella\_clymene | x |  |  |
| NHMUK\_1954.9.9.5 | Stenella\_clymene |  |  | x |
| NHMUK\_1992.92 | Stenella\_clymene |  |  | x |
| NHMUK\_1970.1509 | Stenella\_clymene |  |  | x |
| NHMUK\_1938.2.5.1 | Stenella\_coeruleoalba |  |  | x |
| NHMUK\_1961.5.31.1 | Stenella\_coeruleoalba |  |  | x |
| NHMUK\_SW.1934.1 | Stenella\_coeruleoalba |  |  | x |
| NHMUK\_1949.1.7.2 | Steno\_bredanensis |  |  | x |
| NHMUK\_1952.8.1.1 | Steno\_bredanensis |  |  | x |
| NHMUK\_GERM 345e | Steno\_bredanensis |  |  | x |
| NHMUK\_GERM 345f | Steno\_bredanensis |  |  | x |
| NHMUK\_1954.6.25.2 | Steno\_bredanensis |  |  | x |
| NHMUK\_1949.10.27.3 | Tursiops\_aduncus |  |  | x |
| NHMUK\_1954.9.9.4 | Tursiops\_aduncus |  |  | x |
| NHMUK\_1970.1512 | Tursiops\_aduncus |  |  | x |
| NHMUK\_1964.9.2.2 | Tursiops\_aduncus |  |  | x |
| NHMUK\_1952.7.30.3 | Tursiops\_truncatus |  |  | x |
| NHMUK\_1952.7.30.6 | Tursiops\_truncatus |  |  | x |
| NHMUK\_1960.5.11.10 | Tursiops\_truncatus |  |  | x |
| NHMUK\_1960.5.11.7 | Tursiops\_truncatus |  |  | x |
| NHMUK\_1960.5.11.9 | Tursiops\_truncatus |  |  | x |

References

Page EC, and Cooper N. 2017. Dataset: Crania and mandible data from 'river dolphins' and other odontocetes. Natural History Museum Data Portal (data.nhm.ac.uk). <http://dx.doi.org/10.5519/0082274>.

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