**Citation:** Amor, M.D., Laptikhovsky, V., Norman M.D. and J.M. Strugnell.Genetic evidence extends the known distribution of *Octopus insularis* to the mid-Atlantic islands Ascension and St Helena.

**Supplementary data:**

**Table S1: List of *COI* sequences accessed from GenBank and their corresponding species and location information. Clade and haplotype information correspond to those in Figure 2 of the present study.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Accession number** | **Species** | **Location** | **Clade** | **Haplotype** |
| AB191280 | *O. cyanea* | Japan | O |  |
| AB430534 | *O. cyanea* | Japan | O |  |
| AB430535 | *O. cyanea* | Japan | O |  |
| KC894940 | *O. salutii* | Mediterranean Sea | 1 |  |
| KC894941 | *O. salutii* | Mediterranean Sea | 1 |  |
| AF377967 | *O. bimaculoides* | Santa Barbara, USA | 2 |  |
| KF774309 | *O. bimaculoides* | Mexico | 2 |  |
| GU355923 | *O. mimus* | Chile/Peru | 3 | 3b |
| GU355924 | *O. mimus* | Chile/Peru | 3 | 3a |
| GU355925 | *O. mimus* | Callao, Peru | 3 | 3a |
| GU355926 | *O. mimus* | Chile/Peru | 3 | 3a |
| GU362545 | *O. maya* | Mexico | 4 |  |
| HQ214117 | *O. maya* | Mexico | 4 |  |
| KF844025 | *O. insularis* | Salvador, Brazil | 5 |  |
| KF844022 | *O. insularis* | Barra Grande, Brazil | 5 |  |
| KF844023 | *O. insularis* | Barra Grande, Brazil | 5 |  |
| KF844024 | *O. insularis* | Barra Grande, Brazil | 5 |  |
| AB430546 | *O. vulgaris* | Japan: Hyougo, Akashi, Futami | 7 | 7a |
| AB430547 | *O. vulgaris* | Japan: Kanagawa, Misaki | 7 | 7a |
| AB430548 | *O. vulgaris* | Japan: East China Sea | 7 | 7a |
| HQ846110 | *O. vulgaris* | China | 7 |  |
| HQ846154 | *O. vulgaris* | China | 7 |  |
| NC006353 | *O. vulgaris* | Japan | 7 |  |
| KJ605264 | *O.* cf. *tetricus* | Australia: Cape Le Grand | 8 | 8a |
| KJ605263 | *O.* cf. *tetricus* | Australia: Albany | 8 | 8a |
| KJ605269 | *O.* cf. *tetricus* | Australia: Mandurah | 8 | 8a |
| KJ605262 | *O.* cf. *tetricus* | Australia: Woodmans Point | 8 | 8a |
| KJ605273 | *O.* cf. *tetricus* | Australia: Mandurah | 8 | 8a |
| KJ605271 | *O.* cf. *tetricus* | Australia: Mandurah | 8 | 8a |
| KJ605267 | *O.* cf. *tetricus* | Australia: Esperance | 8 | 8a |
| KJ605266 | *O.* cf. *tetricus* | Australia: Cape Le Grand | 8 | 8a |
| KJ605265 | *O.* cf. *tetricus* | Australia: Cape Le Grand | 8 | 8a |
| KJ605268 | *O.* cf. *tetricus* | Australia: Esperance | 8 | 8a |
| KJ605275 | *O.* cf. *tetricus* | Australia: Mandurah | 8 | 8a |
| KJ605278 | *O.* cf. *tetricus* | Australia: Mandurah | 8 | 8a |
| KJ605272 | *O.* cf. *tetricus* | Australia: Mandurah | 8 | 8a |
| KJ605274 | *O.* cf. *tetricus* | Australia: Mandurah | 8 | 8a |
| KJ605276 | *O.* cf. *tetricus* | Australia: Mandurah | 8 |  |
| KJ605277 | *O.* cf. *tetricus* | Australia: Mandurah | 8 |  |
| KJ605270 | *O.* cf. *tetricus* | Australia: Mandurah | 8 |  |
| KJ605246 | *O. tetricus* | Australia: New South Wales | 9 | 9a |
| KJ605253 | *O. tetricus* | Australia: Port Stephens | 9 | 9a |
| KJ605250 | *O. tetricus* | Australia: Wallaga Lake | 9 | 9b |
| KJ605249 | *O. tetricus* | Australia: Wallaga Lake | 9 | 9b |
| KJ605248 | *O. tetricus* | Australia: Wallaga Lake | 9 | 9b |
| KJ605257 | *O. tetricus* | Australia: Flinders Island | 9 | 9c |
| KJ605254 | *O. tetricus* | Australia: Flinders Island | 9 | 9c |
| KJ605260 | *O. tetricus* | New Zealand: Leigh | 9 | 9c |
| KJ605259 | *O. tetricus* | New Zealand: Leigh | 9 | 9c |
| KJ605258 | *O. tetricus* | New Zealand: Leigh | 9 | 9c |
| KJ605252 | *O. tetricus* | Australia: Port Stephens | 9 |  |
| KJ605256 | *O. tetricus* | Australia: Flinders Island | 9 |  |
| KJ605261 | *O. tetricus* | New Zealand: Leigh | 9 |  |
| KJ605251 | *O. tetricus* | Australia: Narooma | 9 |  |
| KJ605247 | *O. tetricus* | Australia: Wallaga Lake | 9 |  |
| KJ605255 | *O. tetricus* | Australia: Flinders Island | 9 |  |
| KF844041 | *O. vulgaris* | Brazil: Santa Catarina | 10 | 10a |
| KF844039 | *O. vulgaris* | Brazil: Paraná | 10 | 10a |
| KF844038 | *O. vulgaris* | Brazil: Paraná | 10 | 10a |
| KF844037 | *O. vulgaris* | Brazil: São Paulo | 10 | 10a |
| KF844036 | *O. vulgaris* | Brazil: São Paulo | 10 | 10a |
| KF844035 | *O. vulgaris* | Brazil: São Paulo | 10 | 10a |
| KF844034 | *O. vulgaris* | Brazil:Rio de Janeiro | 10 | 10a |
| KF844033 | *O. vulgaris* | Brazil:Rio de Janeiro | 10 | 10a |
| KF844032 | *O. vulgaris* | Brazil:Rio de Janeiro | 10 | 10a |
| KF844029 | *O. vulgaris* | Brazil: Pará | 10 | 10a |
| KF844028 | *O. vulgaris* | Brazil: Pará | 10 | 10a |
| KF844026 | *O. vulgaris* | Brazil: Amapá | 10 | 10a |
| KF844040 | *O. vulgaris* | Brazil: Santa Catarina | 10 |  |
| KF844031 | *O. vulgaris* | Brazil: Bahia | 10 |  |
| KF844030 | *O. vulgaris* | Brazil: Pará | 10 |  |
| KJ605280 | *O. vulgaris* | France: Perpignan | 11 | 11a |
| KJ605282 | *O. vulgaris* | France: Perpignan | 11 | 11a |
| KJ605284 | *O. vulgaris* | France: Perpignan | 11 | 11a |
| KF844043 | *O. vulgaris* | Portugal | 11 | 11b |
| KF844042 | *O. vulgaris* | Portugal | 11 | 11b |
| KJ605281 | *O. vulgaris* | France: Perpignan | 11 | 11c |
| KJ605283 | *O. vulgaris* | France: Perpignan | 11 | 11c |
| DQ683215 | *O. vulgaris* | South Africa: Durban | 11 | 11d |
| DQ683217 | *O. vulgaris* | South Africa: Durban | 11 | 11d |
| DQ683218 | *O. vulgaris* | South Africa: Durban | 11 | 11d |
| DQ683219 | *O. vulgaris* | South Africa: Durban | 11 | 11d |
| DQ683208 | *O. vulgaris* | South Africa: Hout Bay | 11 | 11d |
| DQ683212 | *O. vulgaris* | South Africa: Port Elizabeth | 11 | 11d |
| DQ683210 | *O. vulgaris* | South Africa: Struisbaai | 11 | 11d |
| DQ683205 | *O. vulgaris* | Tristan da Cunha | 11 | 11d |
| DQ683220 | *O. vulgaris* | South Africa: Umhlanga | 11 | 11d |
| FN424379 | *O. vulgaris* | St Paul and Amsterdam Islands | 11 | 11e |
| FN424381 | *O. vulgaris* | St Paul and Amsterdam Islands | 11 | 11e |
| FN424380 | *O. vulgaris* | St Paul and Amsterdam Islands | 11 | 11e |
| KJ605279 | *O. vulgaris* | South Africa: Port Elizabeth | 11 | 11e |
| DQ683214 | *O. vulgaris* | South Africa: Durban | 11 |  |
| DQ683216 | *O. vulgaris* | South Africa: Durban | 11 |  |
| KF844027 | *O. vulgaris* | Brazil: Pará | 11 |  |
| DQ683227 | *O. vulgaris* | Spain: Mediterranean | 11 |  |
| DQ683221 | *O. vulgaris* | Spain: Galicia | 11 |   |