**Supplementary material**

Supplementary Table 1. Specimens included in this study.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Species | Ocean | Cruise | Station | Latitude | Longitude | no. CO1 sequences | no. 28S sequences | no. 18S sequences | Combined gene phylogeny | Time calibrated phylogeny | BOLD process ID or GenBank (GB) accession number | Reference | RMNH |
| *Atlanta ariejansseni* | Atlantic | AMT24 | 26 | -37.89 | -28.74 | 2 |  |  |  |  | KX343177 - KX343178 (GB) | Wall-Palmer et al. 2016 | RMNH.MOL.341284, RMNH.MOL.341286 |
| *Atlanta ariejansseni* | Atlantic | AMT24 | 27 | -40.12 | -30.91 | 5 | 1 | 1 | x | x | KX343179 - KX343183 (GB), ATCP364-19 | Wall-Palmer et al. 2016 + New | RMNH.MOL.341282, RMNH.MOL.341293, RMNH.MOL.341289, RMNH.MOL.341296, RMNH.MOL.341295 |
| *Atlanta ariejansseni* | Atlantic | AMT24 | 28 | -41.48 | -33.86 | 1 |  |  |  |  | KX343184 (GB) | Wall-Palmer et al. 2016 | RMNH.MOL.341287 |
| *Atlanta ariejansseni* | Atlantic | AMT24 | 29 | -43.02 | -37.14 | 7 | 2 | 2 |  |  | KX343185 - KX343191 (GB), ATCP365-19, ATCP366-19 | Wall-Palmer et al. 2016 + New | RMNH.MOL.341288, RMNH.MOL.341291, RMNH.MOL.341294, RMNH.MOL.341297, RMNH.MOL.341298, RMNH.MOL.341285, RMNH.MOL.341283 |
| *Atlanta ariejansseni* | Pacific | DRFT | 14 | -38.32 | -161.14 | 2 | 1 | 1 | x |  | KX343192 - KX343193 (GB), ATCP367-19 | Wall-Palmer et al. 2016 + New | RMNH.MOL.341290, RMNH.MOL.341292 |
| *Atlanta brunnea* | Atlantic | AMT24 | 5 | 34.75 | -26.62 | 1 | 1 | 1 | x | x | AGD001-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341299 |
| *Atlanta brunnea* | Atlantic | AMT27 | 9 | -6.87 | -25.04 | 1 | 1 |  |  |  | ATCP003-19 | New | RMNH.MOL.341308 |
| *Atlanta brunnea* | Atlantic | AMT27 | 37 | -6.87 | -25.04 | 1 |  |  |  |  | ATCP004-19 | New | RMNH.MOL.341309 |
| *Atlanta brunnea* | Atlantic | AMT27 | 41 | -12.63 | -25.05 | 1 |  | 1 |  |  | ATCP006-19 | New | RMNH.MOL.341311 |
| *Atlanta brunnea* | Atlantic | AMT27 | 47 | -24.00 | -25.02 | 1 |  |  |  |  | ATCP007-19 | New | RMNH.MOL.341312 |
| *Atlanta brunnea* | Pacific | KH1110 | 5 | -23.00 | 180.01 | 1 | 1 |  |  |  | AGD002-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341313 |
| *Atlanta brunnea* | Pacific | KOK1703 | 7 | 23.62 | -157.61 | 2 | 2 |  |  |  | ATCP001-19, ATCP002-19 | New | RMNH.MOL.341306, RMNH.MOL.341307 |
| *Atlanta brunnea* | Indian | SN105 | 4 | 8.02 | 67.08 | 2 |  | 1 |  |  | AGD008-17 - AGD009-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341304, RMNH.MOL.341305 |
| *Atlanta brunnea* | Indian | SN105 | 8 | 4.38 | 67.00 | 4 | 1 | 1 | x |  | AGD010-17 - AGD013-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341300, RMNH.MOL.341301, RMNH.MOL.341302, RMNH.MOL.341303 |
| *Atlanta brunnea* | Pacific | SO255 | 100 | -28.52 | 179.59 | 1 | 1 |  |  |  | ATCP005-19 | New | RMNH.MOL.341310 |
| *Atlanta brunnea* | Pacific | ACAS | 2 | 28.21 | -162.14 |  |  | 1 |  |  | ATCP187-19 | New | RMNH.MOL.341318 |
| *Atlanta vanderspoeli* | Pacific | KH1110 | 15 | -23.00 | -119.27 | 3 | 1 | 1 | x | x | AGD003-17 - AGD005-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341320, RMNH.MOL.341321, RMNH.MOL.341322 |
| *Atlanta vanderspoeli* | Pacific | KH1110 | 21 | -23.00 | -100.00 | 3 | 2 | 2 |  |  | AGD006-17 - AGD007-17, ATCP013-19 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341323, RMNH.MOL.341324, RMNH.MOL.341325 |
| *Atlanta vanderspoeli* | Pacific | SO255 | 57 | -29.95 | -178.73 | 1 |  |  |  |  | ATCP012-19 | New | RMNH.MOL.341319 |
| *Atlanta californiensis* | Pacific | WCOA16 | 24 | 31.62 | -116.91 | 1 |  |  |  |  | AGD014-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341336 |
| *Atlanta californiensis* | Pacific | WCOA16 | 30 | 33.16 | -118.42 | 1 |  |  |  |  | AGD015-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341334 |
| *Atlanta californiensis* | Pacific | WCOA16 | 31 | 32.77 | -119.23 | 1 |  |  | x | x | AGD016-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341331 |
| *Atlanta echinogyra* | Pacific | KH1110 | 15 | -23.00 | -119.27 | 1 | 1 | 1 | x |  | AGD017-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341350 |
| *Atlanta echinogyra* | Pacific | KH1110 | 21 | -23.00 | -100.00 | 3 | 3 | 3 |  |  | AGD018-17 - AGD020-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341351, RMNH.MOL.341352, RMNH.MOL.341353 |
| *Atlanta echinogyra* | Pacific | S226 | 10 | 13.08 | -159.34 | 1 | 1 | 1 |  |  | AGD021-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341354 |
| *Atlanta echinogyra* | Indian | SN105 | 4 | 8.02 | 67.08 | 4 |  |  |  |  | AGD022-17 - AGD025-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341343, RMNH.MOL.341344, RMNH.MOL.341345, RMNH.MOL.341341 |
| *Atlanta echinogyra* | Indian | SN105 | 8 | 4.38 | 67.00 | 2 | 1 | 1 |  |  | AGD026-17 - AGD027-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341340, RMNH.MOL.341342 |
| *Atlanta echinogyra* | Indian | SN105 | 19 | -2.95 | 66.99 | 3 | 1 | 1 | x | x | AGD028-17 - AGD030-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341337, RMNH.MOL.341338, RMNH.MOL.341339 |
| *Atlanta echinogyra* | Pacific | SO255 | 57 | -29.95 | -178.73 | 1 | 1 | 1 |  |  | ATCP022-19 | New | RMNH.MOL.341346 |
| *Atlanta echinogyra* | Pacific | SO255 | 73 | -28.13 | 179.02 | 1 | 1 | 1 | x |  | ATCP023-19 | New | RMNH.MOL.341347 |
| *Atlanta echinogyra* | Pacific | SO255 | 80 | -29.10 | -179.72 | 1 | 1 |  |  |  | ATCP024-19 | New | RMNH.MOL.341348 |
| *Atlanta echinogyra* | Pacific | SO255 | 143 | -32.87 | -179.78 | 1 |  |  |  |  | ATCP025-19 | New | RMNH.MOL.341349 |
| *Atlanta fragilis* | Atlantic | AMT24 | 9 | 20.45 | -29.27 | 1 | 1 | 1 | x |  | ATCP026-19 | New | RMNH.MOL.341360 |
| *Atlanta fragilis* | Atlantic | AMT24 | 13 | 7.29 | -26.49 | 2 | 1 | 1 | x | x | AGD032-17 - AGD033-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341374, RMNH.MOL.341378 |
| *Atlanta fragilis* | Atlantic | AMT24 | 19 | -14.66 | -25.07 | 1 |  |  |  |  | AGD034-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341358 |
| *Atlanta fragilis* | Atlantic | AMT24 | 20 | -18.32 | -25.09 | 1 |  |  |  |  | AGD035-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341359 |
| *Atlanta fragilis* | Atlantic | AMT24 | 21 | -20.86 | -25.08 | 1 |  |  |  |  | AGD036-17 (1) | Wall-Palmer et al. 2018 | RMNH.MOL.341373 |
| *Atlanta fragilis* | Atlantic | AMT24 | 22 | -24.46 | -25.04 | 4 | 2 | 2 |  |  | AGD037-17 - AGD040-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341377, RMNH.MOL.341355, RMNH.MOL.341356, RMNH.MOL.341357 |
| *Atlanta fragilis* | Atlantic | AMT24 | 27 | -40.12 | -30.91 | 4 | 1 | 1 | x |  | AGD041-17 - AGD044-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341375, RMNH.MOL.341376, RMNH.MOL.341379, RMNH.MOL.341372 |
| *Atlanta fragilis* | Indian | VANC | 9 | -31.83 | 52.61 | 1 |  |  |  |  | AGD051-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341363 |
| *Atlanta fragilis* | Indian | VANC | 16 | -19.75 | 78.01 | 1 |  |  |  |  | AGD052-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341364 |
| *Atlanta fragilis* | Indian | VANC | 17 | -18.43 | 80.92 | 1 |  | 1 |  |  | AGD053-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341368 |
| *Atlanta fragilis* | Pacific | KH1110 | 15 | -23.00 | -119.27 | 1 |  |  |  |  | AGD046-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341371 |
| *Atlanta fragilis* | Pacific | KH1110 | 18 | -30.00 | -107.00 | 3 |  | 1 |  |  | AGD047-17 - AGD049-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341366, RMNH.MOL.341367, RMNH.MOL.341369 |
| *Atlanta fragilis* | Pacific | KH1110 | 21 | -23.00 | -100.00 | 1 |  |  |  |  | AGD050-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341370 |
| *Atlanta fragilis* | Pacific | ACAS | 8 | 31.24 | 173.92 | 1 |  |  |  |  | AGD031-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341380 |
| *Atlanta fragilis* | Pacific | DRFT | 11 | -36.05 | -149.29 | 1 |  |  |  |  | AGD045-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341365 |
| *Atlanta fragilis* | Pacific | SO255 | 41 | -34.27 | -178.87 | 1 | 1 | 1 | x |  | ATCP028-19 | New | RMNH.MOL.341362 |
| *Atlanta fragilis* | Pacific | SO255 | 143 | -32.87 | -179.78 | 1 |  | 1 |  |  | ATCP027-19 | New | RMNH.MOL.341361 |
| *Atlanta frontieri* | Indian | SN105 | 1 | 11.89 | 66.97 | 5 |  |  |  |  | AGD059-17 - AGD063-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341389, RMNH.MOL.341390, RMNH.MOL.341392, RMNH.MOL.341385, RMNH.MOL.341387 |
| *Atlanta frontieri* | Indian | SN105 | 4 | 8.02 | 67.08 | 4 | 1 | 1 |  |  | AGD064-17 - AGD067-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341391, RMNH.MOL.341393, RMNH.MOL.341386, RMNH.MOL.341388 |
| *Atlanta frontieri* | Indian | SN105 | 8 | 4.38 | 67.00 | 4 | 1 | 1 | x | x | AGD055-17 - AGD058-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341381, RMNH.MOL.341382, RMNH.MOL.341383, RMNH.MOL.341384 |
| *Atlanta frontieri* | Pacific | KH1110 | 2 | -23.00 | 160.00 | 1 |  |  |  |  | AGD054-17 | New | RMNH.MOL.341398 |
| *Atlanta frontieri* | Pacific | KOK1703 | 5 | 22.65 | -157.69 | 1 | 1 |  |  |  | ATCP029-19 | New | RMNH.MOL.341394 |
| *Atlanta frontieri* | Pacific | KOK1703 | 6 | 23.52 | -156.78 | 1 | 1 |  |  |  | ATCP030-19 | New | RMNH.MOL.341395 |
| *Atlanta frontieri* | Pacific | SO255 | 73 | -28.13 | 179.02 | 2 | 2 | 2 | x |  | ATCP031-19, ATCP032-19 | New | RMNH.MOL.341396, RMNH.MOL.341397 |
| *Atlanta gaudichaudi* | Indian | VANC | 1 | -35.05 | 23.73 | 1 |  | 1 | x | x | AGD068-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341399 |
| *Atlanta gibbosa* | Indian | SN105 | 8 | 4.38 | 67.00 | 2 | 1 | 1 | x | x | AGD070-17 - AGD071-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341401, RMNH.MOL.341400 |
| *Atlanta gibbosa* | Pacific | S226 | 29 | 1.48 | -160.13 | 1 | 1 |  | x |  | AGD069-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341402 |
| *Atlanta helicinoidea A* | Atlantic | AMT24 | 6 | 31.30 | -27.73 | 3 | 1 | 1 | x |  | AGD072-17 - AGD074-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341403, RMNH.MOL.341405, RMNH.MOL.341406 |
| *Atlanta helicinoidea A* | Atlantic | AMT24 | 7 | 27.50 | -28.89 | 1 |  |  |  |  | AGD075-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341404 |
| *Atlanta helicinoidea A* | Atlantic | AMT24 | 8 | 24.06 | -29.91 | 1 |  |  |  |  | AGD076-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341422 |
| *Atlanta helicinoidea A* | Atlantic | AMT24 | 13 | 7.29 | -26.49 | 2 |  |  |  |  | AGD077-17 - AGD078-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341423, RMNH.MOL.341424 |
| *Atlanta helicinoidea A* | Atlantic | AMT24 | 14 | 3.80 | -25.78 | 1 |  |  |  |  | AGD079-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341425 |
| *Atlanta helicinoidea A* | Atlantic | AMT24 | 16 | -3.89 | -25.03 | 3 | 2 | 2 | x | x | AGD080-17 - AGD082-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341426, RMNH.MOL.341417, RMNH.MOL.341419 |
| *Atlanta helicinoidea A* | Atlantic | AMT24 | 20 | -18.32 | -25.09 | 1 |  |  |  |  | AGD083-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341427 |
| *Atlanta helicinoidea A* | Atlantic | AMT24 | 22 | -24.46 | -25.04 | 3 |  |  |  |  | AGD084-17 - AGD086-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341416, RMNH.MOL.341418, RMNH.MOL.341420 |
| *Atlanta helicinoidea A* | Atlantic | AMT24 | 25A | -34.18 | -27.21 | 2 |  |  |  |  | AGD087-17 - AGD088-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341407, RMNH.MOL.341408 |
| *Atlanta helicinoidea A* | Atlantic | AMT24 | 27 | -40.12 | -30.91 | 1 | 1 | 1 | x |  | AGD089-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341421 |
| *Atlanta helicinoidea A* | Atlantic | AMT27 | 43 | -15.96 | -25.07 | 1 | 1 | 1 |  |  | ATCP034-19 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341411 |
| *Atlanta helicinoidea A* | Atlantic | AMT27 | 58 | -41.16 | -30.00 | 1 |  |  |  |  | ATCP035-19 | New | RMNH.MOL.341412 |
| *Atlanta helicinoidea A* | Indian | SN105 | 8 | 4.38 | 67.00 | 1 | 1 | 1 | x |  | AGD104-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341409 |
| *Atlanta helicinoidea A* | Indian | VANC | 5 | -34.36 | 37.73 | 1 | 1 | 1 | x |  | AGD105-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341415 |
| *Atlanta helicinoidea A* | Pacific | KH1110 | 15 | -23.00 | -119.27 | 2 | 1 | 1 | x |  | AGD098-17 - AGD099-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341413, RMNH.MOL.341414 |
| *Atlanta helicinoidea A* | Pacific | SO255 | 100 | -28.52 | 179.59 | 1 | 1 | 1 | x |  | ATCP033-19 | New | RMNH.MOL.341410 |
| *Atlanta helicinoidea B* | Indian | SN105 | 8 | 4.38 | 67.00 | 3 | 2 | 2 | x | x | AGD101-17 - AGD103-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341430, RMNH.MOL.341429, RMNH.MOL.341431 |
| *Atlanta helicinoidea B* | Indian | VANC | 17 | -18.43 | 80.92 | 1 |  |  |  |  | AGD106-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341441 |
| *Atlanta helicinoidea B* | Indian | VANC | 22 | -12.86 | 94.29 | 1 | 1 | 1 |  |  | AGD107-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341443 |
| *Atlanta helicinoidea B* | Indian | VANC | 24 | -13.21 | 104.66 | 1 | 1 | 1 | x |  | AGD108-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341433 |
| *Atlanta helicinoidea B* | Pacific | KH1110 | 2 | -23.00 | 160.00 | 4 | 1 | 1 |  |  | AGD090-17 - AGD093-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341444, RMNH.MOL.341434, RMNH.MOL.341436, RMNH.MOL.341438 |
| *Atlanta helicinoidea B* | Pacific | KH1110 | 5 | -23.00 | 180.01 | 2 |  |  |  |  | AGD094-17 - AGD095-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341439, RMNH.MOL.341442 |
| *Atlanta helicinoidea B* | Pacific | KH1110 | 8 | -22.79 | -158.10 | 2 | 1 | 1 |  |  | AGD096-17 - AGD097-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341435, RMNH.MOL.341437 |
| *Atlanta helicinoidea B* | Pacific | S226 | 9 | 13.87 | -159.12 | 1 | 1 | 1 | x |  | AGD100-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341440 |
| *Atlanta helicinoidea B* | Pacific | SO255 | 57 | -29.95 | -178.73 | 1 | 1 | 1 | x |  | ATCP037-19 | New | RMNH.MOL.341432 |
| *Atlanta inclinata* | Atlantic | AMT24 | 12 | 10.78 | -27.21 | 1 |  |  |  |  | AGD109-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341481 |
| *Atlanta inclinata* | Atlantic | AMT24 | 13 | 7.29 | -26.49 | 3 |  |  |  |  | AGD110-17 - AGD112-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341485, RMNH.MOL.341479, RMNH.MOL.341480 |
| *Atlanta inclinata* | Atlantic | AMT24 | 14 | 3.80 | -25.78 | 5 | 1 | 1 |  |  | AGD113-17 - AGD117-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341476, RMNH.MOL.341482, RMNH.MOL.341484, RMNH.MOL.341478, RMNH.MOL.341483 |
| *Atlanta inclinata* | Atlantic | AMT24 | 15 | 0.08 | -25.02 | 2 | 1 | 1 | x | x | AGD118-17 - AGD119-17 (2) | Wall-Palmer et al. 2018 + New | RMNH.MOL.341464, RMNH.MOL.341466 |
| *Atlanta inclinata* | Atlantic | AMT24 | 16 | -3.89 | -25.03 | 3 |  |  |  |  | AGD120-17 - AGD122-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341462, RMNH.MOL.341463, RMNH.MOL.341465 |
| *Atlanta inclinata* | Atlantic | AMT24 | 18 | -11.04 | -25.05 | 2 | 1 | 1 |  |  | AGD123-17 - AGD124-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341460, RMNH.MOL.341461 |
| *Atlanta inclinata* | Atlantic | AMT27 | 33 | -0.72 | -24.97 | 1 |  |  |  |  | ATCP055-19 | New | RMNH.MOL.341473 |
| *Atlanta inclinata* | Atlantic | AMT27 | 35 | -3.54 | -25.01 | 2 | 1 | 2 |  |  | ATCP056-19 - ATCP057-19 | New | RMNH.MOL.341474, RMNH.MOL.341475 |
| *Atlanta inclinata* | Atlantic | AMT27 | 37 | -6.87 | -25.04 | 2 |  | 1 |  |  | ATCP053-19, ATCP054-19 | New | RMNH.MOL.341471, RMNH.MOL.341472 |
| *Atlanta inclinata* | Indian | SN105 | 4 | 8.02 | 67.08 | 2 | 1 |  |  |  | AGD126-17 - AGD127-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341467, RMNH.MOL.341470 |
| *Atlanta inclinata* | Indian | SN105 | 19 | -2.95 | 66.99 | 2 | 1 | 1 | x |  | AGD128-17 - AGD129-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341468, RMNH.MOL.341469 |
| *Atlanta inclinata* | Pacific | S226 | 45 | 9.47 | -154.42 | 1 | 1 | 1 | x |  | AGD125-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341477 |
| *Atlanta inflata* | Indian | SN105 | 1 | 11.89 | 66.97 | 2 |  |  |  |  | AGD137-17 - AGD138-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341494, RMNH.MOL.341495 |
| *Atlanta inflata* | Indian | SN105 | 8 | 4.38 | 67.00 | 3 | 1 | 1 |  |  | AGD139-17 - AGD141-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341487, RMNH.MOL.341488, RMNH.MOL.341489 |
| *Atlanta inflata* | Indian | SN105 | 19 | -2.95 | 66.99 | 5 | 1 | 1 | x |  | AGD142-17 - AGD146-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341492, RMNH.MOL.341493, RMNH.MOL.341486, RMNH.MOL.341490, RMNH.MOL.341491 |
| *Atlanta inflata* | Pacific | KH1110 | 2 | -23.00 | 160.00 | 2 | 2 | 1 |  |  | AGD130-17 - AGD131-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341502, RMNH.MOL.341503 |
| *Atlanta inflata* | Pacific | KH1110 | 5 | -23.00 | 180.01 | 4 | 1 | 1 |  |  | AGD132-17 - AGD135-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341499, RMNH.MOL.341504, RMNH.MOL.341500, RMNH.MOL.341501 |
| *Atlanta inflata* | Pacific | KH1110 | 8 | -22.79 | -158.10 | 1 | 1 | 1 |  |  | AGD136-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341505 |
| *Atlanta inflata* | Pacific | KOK1703 | 7 | 23.62 | -157.61 |  | 1 |  |  |  | ATCP180-19 | New | RMNH.MOL.341496 |
| *Atlanta inflata* | Pacific | SO255 | 57 | -29.95 | -178.73 | 1 | 1 | 1 | x | x | ATCP058-19 | New | RMNH.MOL.341497 |
| *Atlanta inflata* | Pacific | SO255 | 100 | -28.52 | 179.59 | 1 | 1 | 1 |  |  | ATCP059-19 | New | RMNH.MOL.341498 |
| *Atlanta lesueurii* | Atlantic | AMT24 | 11 | 14.21 | -27.93 | 2 |  |  |  |  | AGD147-17 - AGD148-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341507, RMNH.MOL.341508 |
| *Atlanta lesueurii* | Atlantic | AMT24 | 15 | 0.08 | -25.02 | 1 | 1 | 1 | x |  | AGD149-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341506 |
| *Atlanta lesueurii* | Atlantic | AMT24 | 16 | -3.89 | -25.03 | 4 | 3 | 2 |  |  | AGD150-17 - AGD153-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341515, RMNH.MOL.341516, RMNH.MOL.341517, RMNH.MOL.341514 |
| *Atlanta lesueurii* | Atlantic | AMT27 | 21 | 16.56 | -29.10 | 1 | 1 | 1 |  |  | ATCP060-19 | New | RMNH.MOL.341512 |
| *Atlanta lesueurii* | Atlantic | AMT27 | 23 | 13.15 | -28.25 | 1 |  | 1 |  |  | ATCP061-19 | New | RMNH.MOL.341513 |
| *Atlanta lesueurii* | Indian | SN105 | 8 | 4.38 | 67.00 | 1 | 1 | 1 |  |  | AGD154-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341511 |
| *Atlanta lesueurii* | Indian | SN105 | 19 | -2.95 | 66.99 | 2 | 1 | 1 | x | x | AGD155-17 - AGD156-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341509, RMNH.MOL.341510 |
| *Atlanta meteori A* | Indian | SN105 | 1 | 11.89 | 66.97 | 2 |  |  |  |  | AGD162-17 - AGD163-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341523, RMNH.MOL.341524 |
| *Atlanta meteori A* | Indian | SN105 | 4 | 8.02 | 67.08 | 4 |  |  |  |  | AGD164-17 - AGD167-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341527, RMNH.MOL.341525, RMNH.MOL.341529, RMNH.MOL.341521 |
| *Atlanta meteori A* | Indian | SN105 | 8 | 4.38 | 67.00 | 2 | 1 | 1 |  |  | AGD168-17 - AGD169-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341526, RMNH.MOL.341528 |
| *Atlanta meteori A* | Indian | SN105 | 19 | -2.95 | 66.99 | 4 | 2 | 2 | x | x | AGD170-17 - AGD173-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341519, RMNH.MOL.341520, RMNH.MOL.341522, RMNH.MOL.341518 |
| *Atlanta meteori A* | Pacific | KH1110 | 8 | -22.79 | -158.10 | 1 | 1 | 1 | x |  | AGD161-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341532 |
| *Atlanta meteori A* | Pacific | KOK1703 | 3 | 22.65 | -157.69 | 1 | 2 |  |  |  | ATCP181-19, ATCP062-19 | New | RMNH.MOL.341530, RMNH.MOL.341531 |
| *Atlanta meteori B* | Atlantic | AMT24 | 8 | 24.06 | -29.91 | 2 | 1 | 1 |  |  | AGD157-17 - AGD158-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341537, RMNH.MOL.341538 |
| *Atlanta meteori B* | Atlantic | AMT24 | 23 | -27.76 | -25.01 | 2 | 1 | 2 | x | x | AGD159-17 - AGD160-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341533, RMNH.MOL.341534 |
| *Atlanta meteori B* | Atlantic | AMT27 | 9 | 35.30 | -26.28 | 1 | 1 | 1 | x |  | ATCP063-19 | New | RMNH.MOL.341535 |
| *Atlanta meteori B* | Atlantic | AMT27 | 51 | -30.22 | -25.78 | 1 | 1 |  |  |  | ATCP064-19 | New | RMNH.MOL.341536 |
| *Atlanta oligogyra A* | Indian | SN105 | 1 | 11.89 | 66.97 | 4 |  |  |  |  | AGD186-17 - AGD188-17, AGD190-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341546, RMNH.MOL.341547, RMNH.MOL.341549, RMNH.MOL.341542 |
| *Atlanta oligogyra A* | Indian | SN105 | 4 | 8.02 | 67.08 | 4 | 1 | 1 | x |  | AGD192-17, AGD194-17 - AGD196-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341551, RMNH.MOL.341543, RMNH.MOL.341544, RMNH.MOL.341540 |
| *Atlanta oligogyra A* | Indian | SN105 | 8 | 4.38 | 67.00 | 3 |  |  |  |  | AGD197-17 - AGD198-17, AGD200-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341545, RMNH.MOL.341548, RMNH.MOL.341550 |
| *Atlanta oligogyra A* | Indian | SN105 | 19 | -2.95 | 66.99 | 2 | 1 | 1 |  |  | AGD201-17 - AGD202-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341539, RMNH.MOL.341541 |
| *Atlanta oligogyra A* | Indian | VANC | 2 | -35.07 | 24.50 | 1 | 1 | 1 | x |  | AGD207-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341555 |
| *Atlanta oligogyra A* | Indian | PGO | 119 | 8.97 | 69.74 | 1 | 1 |  |  |  | AGD183-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341556 |
| *Atlanta oligogyra A* | Pacific | KH1110 | 5 | -23.00 | 180.01 | 1 |  |  |  |  | AGD181-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341552 |
| *Atlanta oligogyra A* | Pacific | KH1110 | 18 | -30.00 | -107.00 | 1 | 1 | 1 | x | x | AGD182-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341554 |
| *Atlanta oligogyra A* | Pacific | S226 | 10 | 13.08 | -159.34 | 1 | 1 | 1 | x |  | AGD184-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341553 |
| *Atlanta oligogyra B* | Indian | SN105 | 1 | 11.89 | 66.97 | 2 | 1 | 1 | x | x | AGD185-17, AGD189-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341558, RMNH.MOL.341560 |
| *Atlanta oligogyra B* | Indian | SN105 | 4 | 8.02 | 67.08 | 2 | 1 | 1 |  |  | AGD191-17, AGD193-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341561, RMNH.MOL.341557 |
| *Atlanta oligogyra B* | Indian | SN105 | 8 | 4.38 | 67.00 | 1 |  |  |  |  | AGD199-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341559 |
| *Atlanta oligogyra B* | Indian | VANC | 1 | -35.05 | 23.73 | 3 | 1 |  |  |  | AGD203-17 - AGD205-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341566, RMNH.MOL.341568, RMNH.MOL.341569 |
| *Atlanta oligogyra B* | Indian | VANC | 2 | -35.07 | 24.50 | 1 | 1 | 1 | x |  | AGD206-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341571 |
| *Atlanta oligogyra B* | Pacific | KH1110 | 2 | -23.00 | 160.00 | 3 | 1 | 1 | x |  | AGD175-17 - AGD177-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341572, RMNH.MOL.341573, RMNH.MOL.341564 |
| *Atlanta oligogyra B* | Pacific | KH1110 | 5 | -23.00 | 180.01 | 3 | 1 | 1 |  |  | AGD178-17 - AGD180-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341570, RMNH.MOL.341565, RMNH.MOL.341567 |
| *Atlanta oligogyra B* | Pacific | KOK1703 | 6 | 23.52 | -156.78 | 1 | 1 |  |  |  | ATCP065-19 | New | RMNH.MOL.341562 |
| *Atlanta oligogyra B* | Pacific | SO255 | 73 | -28.13 | 179.02 | 1 |  |  |  |  | ATCP066-19 | New | RMNH.MOL.341563 |
| *Atlanta oligogyra C* | Atlantic | AMT24 | 19 | -14.66 | -25.07 | 1 |  |  |  |  | AGD174-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341574 |
| *Atlanta oligogyra C* | Atlantic | AMT27 | 17 | 23.36 | -29.22 | 1 | 1 | 1 | x | x | ATCP068-19 | New | RMNH.MOL.341576 |
| *Atlanta oligogyra C* | Atlantic | AMT27 | 33 | -0.72 | -24.97 | 1 | 1 |  |  |  | ATCP067-19 | New | RMNH.MOL.341575 |
| *Atlanta peronii A* | Atlantic | AMT24 | 6 | 31.30 | -27.73 | 1 | 1 | 1 | x | x | AGD210-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341592 |
| *Atlanta peronii A* | Atlantic | AMT24 | 8 | 24.06 | -29.91 | 1 | 1 | 1 |  |  | AGD211-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341594 |
| *Atlanta peronii A* | Atlantic | AMT24 | 18 | -11.04 | -25.05 | 1 |  |  |  |  | AGD222-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341578 |
| *Atlanta peronii A* | Atlantic | AMT24 | 21 | -20.86 | -25.08 | 2 |  |  |  |  | AGD226-17 - AGD227-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341591, RMNH.MOL.341593 |
| *Atlanta peronii A* | Atlantic | AMT24 | 22 | -24.46 | -25.04 | 2 | 2 | 2 |  |  | AGD228-17 - AGD229-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341589, RMNH.MOL.341590 |
| *Atlanta peronii A* | Atlantic | AMT24 | 23 | -27.76 | -25.01 | 3 | 1 | 1 |  |  | AGD230-17 - AGD232-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341595, RMNH.MOL.341596, RMNH.MOL.341598 |
| *Atlanta peronii A* | Atlantic | AMT24 | 25 | -34.18 | -27.22 | 1 |  |  |  |  | AGD233-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341577 |
| *Atlanta peronii A* | Atlantic | AMT24 | 27 | -40.12 | -30.91 | 1 | 1 | 1 | x |  | AGD234-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341588 |
| *Atlanta peronii A* | Indian | SN105 | 19 | -2.95 | 66.99 | 4 | 2 | 2 | x |  | AGD241-17 - AGD244-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341579, RMNH.MOL.341580, RMNH.MOL.341581, RMNH.MOL.341582 |
| *Atlanta peronii A* | Pacific | ACAS | 2 | 28.21 | -162.14 | 1 |  | 1 |  |  | AGD208-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341597 |
| *Atlanta peronii A* | Pacific | KOK1703 | 1 | 22.91 | -157.72 | 1 | 1 |  |  |  | ATCP070-19 | New | RMNH.MOL.341584 |
| *Atlanta peronii A* | Pacific | KOK1703 | 3 | 22.65 | -157.69 | 1 | 1 | 1 | x |  | ATCP069-19 | New | RMNH.MOL.341583 |
| *Atlanta peronii A* | Pacific | SO255 | 13 | -34.54 | 178.51 | 1 |  |  |  |  | ATCP073-19 | New | RMNH.MOL.341587 |
| *Atlanta peronii A* | Pacific | SO255 | 80 | -29.10 | -179.72 | 1 |  | 1 | x |  | ATCP071-19 | New | RMNH.MOL.341585 |
| *Atlanta peronii A* | Pacific | SO255 | 143 | -32.87 | -179.78 | 1 |  | 1 |  |  | ATCP072-19 | New | RMNH.MOL.341586 |
| *Atlanta peronii B* | Atlantic | AMT22 | 27 | 17.70 | -36.46 | 1 |  |  |  |  | AGD209-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341601 |
| *Atlanta peronii B* | Atlantic | AMT24 | 8 | 24.06 | -29.91 | 1 |  |  |  |  | AGD212-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341609 |
| *Atlanta peronii B* | Atlantic | AMT24 | 9 | 20.45 | -29.27 | 4 | 2 | 2 | x |  | AGD215-17 - AGD218-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341599, RMNH.MOL.341600, RMNH.MOL.341610, RMNH.MOL.341611 |
| *Atlanta peronii B* | Atlantic | AMT27 | 9 | 35.30 | -26.28 | 1 |  |  |  |  | ATCP076-19 | New | RMNH.MOL.341604 |
| *Atlanta peronii B* | Indian | VANC | 15 | -21.04 | 75.14 | 1 |  |  |  |  | AGD245-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341606 |
| *Atlanta peronii B* | Pacific | DRFT | 14 | -38.32 | -161.14 | 2 | 2 | 1 | x | x | AGD235-17 - AGD236-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341608, RMNH.MOL.341607 |
| *Atlanta peronii B* | Pacific | KH1110 | 18 | -30.00 | -107.00 | 1 |  |  |  |  | AGD237-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341612 |
| *Atlanta peronii B* | Pacific | KOK1703 | 7 | 23.62 | -157.61 | 1 | 1 | 1 | x |  | ATCP074-19 | New | RMNH.MOL.341602 |
| *Atlanta peronii B* | Pacific | SO255 | 57 | -29.95 | -178.73 | 1 |  | 1 |  |  | ATCP077-19 | New | RMNH.MOL.341605 |
| *Atlanta peronii B* | Pacific | SO255 | 100 | -28.52 | 179.59 | 1 |  |  |  |  | ATCP075-19 | New | RMNH.MOL.341603 |
| *Atlanta peronii C1* | Atlantic | AMT24 | 9 | 20.45 | -29.27 | 2 | 1 | 1 | x |  | AGD213-17, AGD214-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341616, RMNH.MOL.341623 |
| *Atlanta peronii C1* | Atlantic | AMT24 | 16 | -3.89 | -25.03 | 3 | 2 | 2 |  |  | AGD219-17 - AGD221-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341622, RMNH.MOL.341620, RMNH.MOL.341621 |
| *Atlanta peronii C1* | Atlantic | AMT24 | 18 | -11.04 | -25.05 | 3 | 2 | 2 | x |  | AGD223-17 - AGD225-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341614, RMNH.MOL.341615, RMNH.MOL.341613 |
| *Atlanta peronii C2* | Pacific | KH1110 | 21 | -23.00 | -100.00 | 3 | 2 | 2 | x | x | AGD238-17 - AGD240-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341624, RMNH.MOL.341625, RMNH.MOL.341626 |
| *Atlanta peronii C2* | Pacific | SO255 | 73 | -28.13 | 179.02 | 1 |  | 1 |  |  | ATCP080-19 | New | RMNH.MOL.341619 |
| *Atlanta peronii C2* | Pacific | SO255 | 80 | -29.10 | -179.72 | 2 | 2 | 2 | x |  | ATCP078-19, ATCP079-19 | New | RMNH.MOL.341617, RMNH.MOL.341618 |
| *Atlanta plana* | Indian | SN105 | 4 | 8.02 | 67.08 | 3 | 1 | 1 |  |  | AGD246-17 - AGD248-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341631, RMNH.MOL.341632, RMNH.MOL.341633 |
| *Atlanta plana* | Indian | SN105 | 8 | 4.38 | 67.00 | 1 |  |  |  |  | AGD257-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341627 |
| *Atlanta plana* | Indian | SN105 | 19 | -2.95 | 66.99 | 3 | 1 | 1 | x |  | AGD258-17 - AGD260-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341628, RMNH.MOL.341629, RMNH.MOL.341630 |
| *Atlanta plana* | Indian | VANC | 1 | -35.05 | 23.73 | 1 |  |  |  |  | AGD261-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341640 |
| *Atlanta plana* | Indian | VANC | 2 | -35.07 | 24.50 | 1 |  |  |  |  | AGD262-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341643 |
| *Atlanta plana* | Pacific | KM1109 | 9 | 21.333 | -158.354 | 1 | 1 | 1 | x | x | AGD253-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341638 |
| *Atlanta plana* | Pacific | KM1109 | 10 | 21.414 | -158.343 | 1 |  |  |  |  | AGD254-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341639 |
| *Atlanta plana* | Pacific | KH1110 | 8 | -22.79 | -158.10 | 4 |  |  |  |  | AGD249-17 - AGD252-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341637, RMNH.MOL.341644, RMNH.MOL.341645, RMNH.MOL.341646 |
| *Atlanta plana* | Pacific | S226 | 10 | 13.083 | -159.343 | 2 |  |  |  |  | AGD255-17 - AGD256-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341641, RMNH.MOL.341642 |
| *Atlanta plana* | Pacific | KOK1703 | 1 | 22.91 | -157.72 | 1 |  |  |  |  | ATCP081-19 | New | RMNH.MOL.341634 |
| *Atlanta plana* | Pacific | SO255 | 80 | -29.10 | -179.72 | 2 |  | 1 |  |  | ATCP082-19, ATCP083-19 | New | RMNH.MOL.341635, RMNH.MOL.341636 |
| *Atlanta rosea A* | Indian | VANC | 15 | -21.04 | 75.14 | 1 | 1 |  |  |  | AGD285-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341648 |
| *Atlanta rosea A* | Indian | VANC | 17 | -18.43 | 80.92 | 3 | 2 | 2 | x |  | AGD286-17 - AGD288-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341649, RMNH.MOL.341650, RMNH.MOL.341651 |
| *Atlanta rosea A* | Pacific | KH1110 | 5 | -23.00 | 180.01 | 2 | 2 | 2 | x | x | AGD275-17, AGD277-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341652, RMNH.MOL.341653 |
| *Atlanta rosea A* | Pacific | KH1110 | 15 | -23.00 | -119.27 | 2 | 2 |  | x |  | AGD278-17 - AGD279-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341660, RMNH.MOL.341661 |
| *Atlanta rosea A* | Pacific | KH1110 | 21 | -23.00 | -100.00 | 3 | 1 |  |  |  | AGD282-17 - AGD284-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341657, RMNH.MOL.341658, RMNH.MOL.341659 |
| *Atlanta rosea A* | Pacific | KOK1703 | 5 | 22.65 | -157.69 |  | 1 |  |  |  | ATCP182-19 | New | RMNH.MOL.341654 |
| *Atlanta rosea A* | Pacific | SO255 | 100 | -28.52 | 179.59 | 1 | 1 | 1 |  |  | ATCP085-19 | New | RMNH.MOL.341655 |
| *Atlanta rosea A* | Pacific | SO255 | 143 | -32.87 | -179.78 | 2 | 1 | 2 | x |  | ATCP084-19, ATCP086-19 | New | RMNH.MOL.341647, RMNH.MOL.341656 |
| *Atlanta rosea B* | Atlantic | AMT24 | 6 | 31.30 | -27.73 | 4 | 1 | 1 | x |  | AGD263-17 - AGD266-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341669, RMNH.MOL.341665, RMNH.MOL.341666, RMNH.MOL.341667 |
| *Atlanta rosea B* | Atlantic | AMT24 | 7 | 27.50 | -28.89 | 1 | 1 | 1 |  |  | AGD267-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341668 |
| *Atlanta rosea B* | Atlantic | AMT24 | 19 | -14.66 | -25.07 | 3 | 2 | 2 | x | x | AGD269-17 - AGD271-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341662, RMNH.MOL.341663, RMNH.MOL.341664 |
| *Atlanta rosea C* | Atlantic | AMT24 | 8 | 24.06 | -29.91 | 1 | 1 | 1 | x |  | AGD268-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341675 |
| *Atlanta rosea C* | Atlantic | AMT24 | 19 | -14.66 | -25.07 | 1 | 1 | 1 | x |  | AGD272-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341671 |
| *Atlanta rosea C* | Atlantic | AMT24 | 21 | -20.86 | -25.08 | 1 |  |  |  |  | AGD273-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341670 |
| *Atlanta rosea C* | Atlantic | AMT24 | 27 | -40.12 | -30.91 | 1 | 1 | 1 | x | x | AGD274-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341674 |
| *Atlanta rosea C* | Atlantic | AMT27 | 17 | 23.36 | -29.22 | 1 | 1 | 1 |  |  | ATCP088-19 | New | RMNH.MOL.341673 |
| *Atlanta rosea C* | Pacific | KH1110 | 5 | -23.00 | 180.01 | 1 | 1 | 1 | x |  | AGD276-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341676 |
| *Atlanta rosea C* | Pacific | KH1110 | 18 | -30.00 | -107.00 | 2 | 2 | 2 | x |  | AGD280-17 - AGD281-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341677, RMNH.MOL.341678 |
| *Atlanta rosea C* | Pacific | SO255 | 73 | -28.13 | 179.02 | 1 | 1 | 1 | x |  | ATCP087-19 | New | RMNH.MOL.341672 |
| *Atlanta selvagensis* | Atlantic | AMT24 | 5 | 34.75 | -26.62 | 2 | 2 |  |  |  | KX343194 (GB), ATCP368-19, AGD289-17 | Wall-Palmer et al. 2016, 2018 + New | RMNH.MOL.341688, RMNH.MOL.341679 |
| *Atlanta selvagensis* | Atlantic | AMT24 | 6 | 31.30 | -27.73 | 9 | 1 | 1 | x | x | KX343195 - KX343197 (GB), AGD290-17 - AGD295-17, ATCP369-19 | Wall-Palmer et al. 2016, 2018 + New | RMNH.MOL.341681, RMNH.MOL.341683, RMNH.MOL.341684, RMNH.MOL.341685, RMNH.MOL.341686, RMNH.MOL.341687, RMNH.MOL.341695, RMNH.MOL.341697, RMNH.MOL.341711 |
| *Atlanta selvagensis* | Atlantic | AMT24 | 7 | 27.50 | -28.89 | 3 | 1 | 1 |  |  | AGD296-17 - AGD298-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341699, RMNH.MOL.341701, RMNH.MOL.341703 |
| *Atlanta selvagensis* | Atlantic | AMT24 | 8 | 24.06 | -29.91 | 3 | 1 | 1 |  |  | AGD299-17 - AGD301-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341705, RMNH.MOL.341707, RMNH.MOL.341694 |
| *Atlanta selvagensis* | Atlantic | AMT24 | 9 | 20.45 | -29.27 | 3 | 1 | 1 |  |  | AGD302-17 - AGD304-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341696, RMNH.MOL.341698, RMNH.MOL.341700 |
| *Atlanta selvagensis* | Atlantic | AMT24 | 10 | 17.82 | -28.70 | 3 | 1 | 2 |  |  | AGD305-17 - AGD307-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341709, RMNH.MOL.341710, RMNH.MOL.341712 |
| *Atlanta selvagensis* | Atlantic | AMT24 | 14 | 3.80 | -25.78 | 3 |  | 1 |  |  | KX343198 (GB), AGD308-17 - AGD309-17 | Wall-Palmer et al. 2016, 2018 + New | RMNH.MOL.341680, RMNH.MOL.341689, RMNH.MOL.341682 |
| *Atlanta selvagensis* | Atlantic | AMT24 | 15 | 0.08 | -25.02 | 4 |  |  |  |  | AGD310-17 - AGD313-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341693, RMNH.MOL.341708, RMNH.MOL.341713, RMNH.MOL.341714 |
| *Atlanta selvagensis* | Atlantic | AMT24 | 16 | -3.89 | -25.03 | 4 | 2 | 2 | x |  | AGD314-17 - AGD317-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341692, RMNH.MOL.341702, RMNH.MOL.341704, RMNH.MOL.341706 |
| *Atlanta selvagensis* | Atlantic | AMT27 | 37 | -6.87 | -25.04 | 2 | 1 | 2 | x |  | ATCP089-19, ATCP090-19 | New | RMNH.MOL.341690, RMNH.MOL.341691 |
| *Atlanta tokiokai* | Atlantic | AMT24 | 7 | 27.50 | -28.89 | 1 | 1 | 1 | x | x | AGD319-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341757 |
| *Atlanta tokiokai* | Atlantic | AMT24 | 8 | 24.06 | -29.91 | 3 | 1 | 1 |  |  | AGD320-17 - AGD322-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341758, RMNH.MOL.341759, RMNH.MOL.341760 |
| *Atlanta tokiokai* | Atlantic | AMT24 | 9 | 20.45 | -29.27 | 4 | 1 | 2 |  |  | AGD323-17 - AGD326-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341715, RMNH.MOL.341716, RMNH.MOL.341717, RMNH.MOL.341718 |
| *Atlanta tokiokai* | Atlantic | AMT27 | 43 | -15.96 | -25.07 | 1 | 1 |  |  |  | ATCP093-19 | New | RMNH.MOL.341746 |
| *Atlanta tokiokai* | Indian | SN105 | 1 | 11.89 | 66.97 | 9 |  |  |  |  | AGD335-17 - AGD343-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341730, RMNH.MOL.341731, RMNH.MOL.341732, RMNH.MOL.341733, RMNH.MOL.341734, RMNH.MOL.341735, RMNH.MOL.341736, RMNH.MOL.341741, RMNH.MOL.341742 |
| *Atlanta tokiokai* | Indian | SN105 | 4 | 8.02 | 67.08 | 7 | 2 | 2 | x |  | AGD344-17 - AGD350-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341721, RMNH.MOL.341723, RMNH.MOL.341737, RMNH.MOL.341738, RMNH.MOL.341739, RMNH.MOL.341740, RMNH.MOL.341743 |
| *Atlanta tokiokai* | Indian | SN105 | 8 | 4.38 | 67.00 | 5 |  |  |  |  | AGD351-17 - AGD355-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341719, RMNH.MOL.341720, RMNH.MOL.341725, RMNH.MOL.341727, RMNH.MOL.341729, |
| *Atlanta tokiokai* | Indian | SN105 | 19 | -2.95 | 66.99 | 4 |  | 1 |  |  | AGD356-17 - AGD359-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341722, RMNH.MOL.341724, RMNH.MOL.341726, RMNH.MOL.341728, |
| *Atlanta tokiokai* | Indian | VANC | 24 | -13.21 | 104.66 | 1 |  | 1 |  |  | AGD360-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341755 |
| *Atlanta tokiokai* | Pacific | ACAS | 14 | 32.86 | 149.52 | 1 | 1 |  |  |  | AGD318-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341756 |
| *Atlanta tokiokai* | Pacific | KH1110 | 8 | -22.79 | -158.10 | 1 |  |  |  |  | AGD327-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341767 |
| *Atlanta tokiokai* | Pacific | KH1110 | 15 | -23.00 | -119.27 | 3 | 1 | 2 | x |  | AGD328-17 - AGD330-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341761, RMNH.MOL.341763, RMNH.MOL.341764 |
| *Atlanta tokiokai* | Pacific | KH1110 | 18 | -30.00 | -107.00 | 2 |  |  |  |  | AGD331-17 - AGD332-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341765, RMNH.MOL.341766 |
| *Atlanta tokiokai* | Pacific | KH1110 | 21 | -23.00 | -100.00 | 2 | 1 | 1 |  |  | AGD333-17 - AGD334-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341768, RMNH.MOL.341762 |
| *Atlanta tokiokai* | Pacific | KOK1703 | 5 | 22.65 | -157.69 | 1 | 1 |  |  |  | ATCP091-19 | New | RMNH.MOL.341744 |
| *Atlanta tokiokai* | Pacific | SO255 | 57 | -29.95 | -178.73 | 2 | 1 | 2 | x |  | ATCP092-19, ATCP096-19 | New | RMNH.MOL.341745, RMNH.MOL.341749 |
| *Atlanta tokiokai* | Pacific | SO255 | 73 | -28.13 | 179.02 | 1 | 1 |  |  |  | ATCP098-19 | New | RMNH.MOL.341751 |
| *Atlanta tokiokai* | Pacific | SO255 | 80 | -29.10 | -179.72 | 2 | 1 | 1 |  |  | ATCP094-19, ATCP099-19 | New | RMNH.MOL.341747, RMNH.MOL.341752 |
| *Atlanta tokiokai* | Pacific | SO255 | 100 | -28.52 | 179.59 | 2 | 2 | 2 |  |  | ATCP095-19, ATCP100-19 | New | RMNH.MOL.341748, RMNH.MOL.341753 |
| *Atlanta tokiokai* | Pacific | SO255 | 143 | -32.87 | -179.78 | 2 | 1 |  |  |  | ATCP101-19, ATCP097-19 |  | RMNH.MOL.341750, RMNH.MOL.341754 |
| *Atlanta turriculata* | Indian | SN105 | 1 | 11.89 | 66.97 | 6 |  |  |  |  | AGD367-17 - AGD372-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341779, RMNH.MOL.341780, RMNH.MOL.341781, RMNH.MOL.341782, RMNH.MOL.341783, RMNH.MOL.341775 |
| *Atlanta turriculata* | Indian | SN105 | 4 | 8.02 | 67.08 | 4 | 1 | 1 |  |  | AGD373-17 - AGD376-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341784, RMNH.MOL.341785, RMNH.MOL.341776, RMNH.MOL.341774 |
| *Atlanta turriculata* | Indian | SN105 | 8 | 4.38 | 67.00 | 4 |  |  |  |  | AGD377-17 - AGD380-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341786, RMNH.MOL.341777, RMNH.MOL.341778, RMNH.MOL.341769 |
| *Atlanta turriculata* | Indian | SN105 | 19 | -2.95 | 66.99 | 4 | 1 | 1 | x | x | AGD381-17 - AGD384-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341770, RMNH.MOL.341771, RMNH.MOL.341772, RMNH.MOL.341773 |
| *Atlanta turriculata* | Pacific | KH1110 | 5 | -23.00 | 180.01 | 3 | 2 | 2 |  |  | AGD361-17 - AGD363-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341801, RMNH.MOL.341802, RMNH.MOL.341797 |
| *Atlanta turriculata* | Pacific | KH1110 | 8 | -22.79 | -158.10 | 3 |  |  |  |  | AGD364-17 - AGD366-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341798, RMNH.MOL.341799, RMNH.MOL.341800 |
| *Atlanta turriculata* | Pacific | KOK1703 | 1 | 22.91 | -157.72 | 1 | 1 | 1 | x |  | ATCP103-19 | New | RMNH.MOL.341788 |
| *Atlanta turriculata* | Pacific | KOK1703 | 3 | 22.65 | -157.69 | 1 | 1 |  |  |  | ATCP102-19 | New | RMNH.MOL.341787 |
| *Atlanta turriculata* | Pacific | KOK1703 | 5 | 22.65 | -157.69 | 1 | 1 |  |  |  | ATCP104-19 | New | RMNH.MOL.341789 |
| *Atlanta turriculata* | Pacific | SO255 | 57 | -29.95 | -178.73 | 1 | 1 | 1 | x |  | ATCP105-19 | New | RMNH.MOL.341790 |
| *Atlanta turriculata* | Pacific | SO255 | 73 | -28.13 | 179.02 | 1 |  | 1 |  |  | ATCP106-19 | New | RMNH.MOL.341791 |
| *Atlanta turriculata* | Pacific | SO255 | 80 | -29.10 | -179.72 | 4 | 3 | 4 |  |  | ATCP107-19 - ATCP110-19 | New | RMNH.MOL.341792, RMNH.MOL.341793, RMNH.MOL.341794, RMNH.MOL.341795 |
| *Atlanta turriculata* | Pacific | SO255 | 100 | -28.52 | 179.59 | 1 |  |  |  |  | ATCP111-19 | New | RMNH.MOL.341796 |
| *Oxygyrus inflatus A1* | Atlantic | AMT24 | 7 | 27.50 | -28.89 | 2 | 1 | 2 |  |  | AGD389-17 - AGD390-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341862, RMNH.MOL.341863 |
| *Oxygyrus inflatus A1* | Atlantic | AMT24 | 9 | 20.45 | -29.27 | 1 | 1 |  |  |  | AGD391-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341864 |
| *Oxygyrus inflatus A1* | Atlantic | AMT27 | 9 | 35.30 | -26.28 | 1 | 1 | 1 | x |  | ATCP164-19 | New | RMNH.MOL.341861 |
| *Oxygyrus inflatus A1* | Atlantic | AMT27 | 37 | -6.87 | -25.04 | 1 |  | 1 |  |  | ATCP162-19 | New | RMNH.MOL.341859 |
| *Oxygyrus inflatus A1* | Atlantic | AMT27 | 49 | -27.58 | -25.19 | 1 | 1 | 1 | x | x | ATCP163-19 | New | RMNH.MOL.341860 |
| *Oxygyrus inflatus A2* | Pacific | KH1110 | 8 | -22.79 | -158.10 | 1 | 1 | 1 |  |  | AGD399-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341869 |
| *Oxygyrus inflatus A2* | Pacific | KH1110 | 18 | -30.00 | -107.00 | 2 | 1 | 2 | x |  | AGD403-17 - AGD404-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341870, RMNH.MOL.341871 |
| *Oxygyrus inflatus A2* | Pacific | SO255 | 57 | -29.95 | -178.73 | 1 |  |  |  |  | ATCP166-19 | New | RMNH.MOL.341866 |
| *Oxygyrus inflatus A2* | Pacific | SO255 | 73 | -28.13 | 179.02 | 1 | 1 |  |  |  | ATCP167-19 | New | RMNH.MOL.341867 |
| *Oxygyrus inflatus A2* | Pacific | SO255 | 80 | -29.10 | -179.72 | 1 | 1 | 1 | x |  | ATCP168-19 | New | RMNH.MOL.341868 |
| *Oxygyrus inflatus A2* | Pacific | SO255 | 143 | -32.87 | -179.78 | 1 | 1 | 1 |  |  | ATCP165-19 | New | RMNH.MOL.341865 |
| *Oxygyrus inflatus B* | Atlantic | AMT24 | 14 | 3.80 | -25.78 | 3 | 2 | 1 | x | x | AGD392-17 - AGD394-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341872, RMNH.MOL.341873, RMNH.MOL.341874 |
| *Oxygyrus inflatus B* | Atlantic | AMT24 | 18 | -11.04 | -25.05 | 3 | 1 |  |  |  | AGD395-17 - AGD397-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341875, RMNH.MOL.341876, RMNH.MOL.341877 |
| *Oxygyrus inflatus B* | Atlantic | AMT27 | 33 | -0.72 | -24.97 | 1 | 1 |  |  |  | ATCP169-19 | New | RMNH.MOL.341878 |
| *Oxygyrus inflatus B* | Atlantic | AMT27 | 37 | -6.87 | -25.04 | 1 | 1 | 1 | x |  | ATCP170-19 | New | RMNH.MOL.341879 |
| *Oxygyrus inflatus C* | Indian | SN105 | 4 | 8.02 | 67.08 | 3 | 1 | 1 | x | x | AGD406-17 - AGD408-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341883, RMNH.MOL.341884, RMNH.MOL.341885 |
| *Oxygyrus inflatus C* | Indian | SN105 | 8 | 4.38 | 67.00 | 3 |  |  |  |  | AGD409-17 - AGD411-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341886, RMNH.MOL.341887, RMNH.MOL.341888 |
| *Oxygyrus inflatus C* | Indian | SN105 | 19 | -2.95 | 66.99 | 3 | 1 | 1 |  |  | AGD412-17 - AGD414-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341880, RMNH.MOL.341881, RMNH.MOL.341882 |
| *Oxygyrus inflatus C* | Pacific | KM1109 | 9 | 21.33 | -158.35 | 1 | 1 | 1 | x |  | AGD405-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341891 |
| *Oxygyrus inflatus C* | Pacific | KH1110 | 2 | -23.00 | 160.00 | 1 |  |  |  |  | AGD398-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341892 |
| *Oxygyrus inflatus C* | Pacific | KH1110 | 8 | -22.79 | -158.10 | 2 | 2 | 2 | x |  | AGD401-17 - AGDF402-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341893, RMNH.MOL.341890 |
| *Oxygyrus inflatus C* | Pacific | KOK1703 | 5 | 22.65 | -157.69 |  | 1 | 1 |  |  | ATCP183-19 | New | RMNH.MOL.341889 |
| *Protatlanta sculpta* | Atlantic | AMT24 | 9 | 20.45 | -29.27 | 3 | 1 | 1 |  |  | KU841485 - KU841487 (GB), ATCP359-19 | Wall-Palmer et al. 2016b + New | RMNH.MOL.341901, RMNH.MOL.341894, RMNH.MOL.341895 |
| *Protatlanta sculpta* | Atlantic | AMT24 | 10 | 17.82 | -28.70 | 1 |  |  |  |  | KU841488 (GB) | Wall-Palmer et al. 2016b | RMNH.MOL.341897 |
| *Protatlanta sculpta* | Atlantic | AMT24 | 13 | 7.29 | -26.49 | 4 | 2 | 2 |  |  | AGD415-17 - AGD418-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341910, RMNH.MOL.341909, RMNH.MOL.341904, RMNH.MOL.341905 |
| *Protatlanta sculpta* | Atlantic | AMT24 | 16 | -3.89 | -25.03 | 3 | 2 | 1 |  |  | KU841489 - KU841491 (GB), ATCP360-19, ATCP361-19 | Wall-Palmer et al. 2016b + New | RMNH.MOL.341896, RMNH.MOL.341898, RMNH.MOL.341899 |
| *Protatlanta sculpta* | Atlantic | AMT24 | 20 | -18.32 | -25.09 | 3 |  |  |  |  | AGD419-17 - AGD421-17 | Wall-Palmer et al. 2018 | RMNH.MOL.341906, RMNH.MOL.341907, RMNH.MOL.341908 |
| *Protatlanta sculpta* | Atlantic | AMT24 | 25 | -34.18 | -27.22 | 1 |  |  |  |  | KU841492 (GB) | Wall-Palmer et al. 2016b | RMNH.MOL.341900 |
| *Protatlanta sculpta* | Atlantic | AMT27 | 9 | 35.30 | -26.28 | 1 | 1 | 1 | x | x | ATCP171-19 | New | RMNH.MOL.341902 |
| *Protatlanta sculpta* | Atlantic | AMT27 | 35 | -3.54 | -25.01 | 1 | 1 | 1 | x |  | ATCP172-19 | New | RMNH.MOL.341903 |
| *Protatlanta souleyeti* | Atlantic | AMT24 | 6 | 31.30 | -27.73 | 7 | 2 | 2 | x |  | KU841493 - KU841497 (GB), AGD425-17 - AGD426-17, ATCP362-19, ATCP363-19 | Wall-Palmer et al. 2016b, 2018 + New | RMNH.MOL.341916, RMNH.MOL.341917, RMNH.MOL.341920, RMNH.MOL.341911, RMNH.MOL.341912, RMNH.MOL.341933, RMNH.MOL.341935 |
| *Protatlanta souleyeti* | Atlantic | AMT24 | 18 | -11.04 | -25.05 | 1 |  |  |  |  | KU841500 (GB) | Wall-Palmer et al. 2016b | RMNH.MOL.341919 |
| *Protatlanta souleyeti* | Atlantic | AMT24 | 19 | -14.66 | -25.07 | 2 |  |  |  |  | KU841501 - KU841502 (GB) | Wall-Palmer et al. 2016b | RMNH.MOL.341913, RMNH.MOL.341914 |
| *Protatlanta souleyeti* | Atlantic | AMT24 | 20 | -18.32 | -25.09 | 3 | 1 | 1 | x |  | AGD427-17 - AGD429-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341931, RMNH.MOL.341932, RMNH.MOL.341934 |
| *Protatlanta souleyeti* | Atlantic | AMT24 | 23 | -27.76 | -25.01 | 1 |  |  |  |  | KU841506 (GB) | Wall-Palmer et al. 2016b | RMNH.MOL.341915 |
| *Protatlanta souleyeti* | Atlantic | AMT24 | 25A | -34.18 | -27.21 | 1 |  | 1 |  |  | KU841507 (GB), ATCP391-19 | Wall-Palmer et al. 2016b + New | RMNH.MOL.341918 |
| *Protatlanta souleyeti* | Atlantic | AMT24 | 27 | -40.12 | -30.91 | 2 | 1 | 1 | x |  | AGD430-17 - AGD431-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341936, RMNH.MOL.341937 |
| *Protatlanta souleyeti* | Atlantic | AMT27 | 9 | 35.30 | -26.28 | 1 | 1 | 1 |  |  | ATCP176-19 | New | RMNH.MOL.341926 |
| *Protatlanta souleyeti* | Atlantic | AMT27 | 17 | 23.36 | -29.22 | 1 | 1 | 1 |  |  | ATCP177-19 | New | RMNH.MOL.341928 |
| *Protatlanta souleyeti* | Indian | VANC | 2 | -35.07 | 24.50 |  |  | 1 |  |  | ATCP190-19 | New | RMNH.MOL.341930 |
| *Protatlanta souleyeti* | Pacific | ACAS | 8 | 31.24 | 173.92 | 2 | 2 | 2 | x | x | AGD422-17 - AGD423-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341947, RMNH.MOL.341950 |
| *Protatlanta souleyeti* | Pacific | ACAS | 14 | 32.86 | 149.52 | 1 | 1 | 1 |  |  | AGD424-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341939 |
| *Protatlanta souleyeti* | Pacific | KH1110 | 2 | -23.00 | 160.00 | 3 | 3 | 3 | x |  | AGD432-17 - AGD434-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341941, RMNH.MOL.341943, RMNH.MOL.341945 |
| *Protatlanta souleyeti* | Pacific | KH1110 | 8 | -22.79 | -158.10 | 2 | 2 | 1 |  |  | AGD435-17 - AGD436-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341948, RMNH.MOL.341951 |
| *Protatlanta souleyeti* | Pacific | KH1110 | 18 | -30.00 | -107.00 | 3 | 1 | 2 | x |  | AGD437-17 - AGD439-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341938, RMNH.MOL.341940, RMNH.MOL.341942 |
| *Protatlanta souleyeti* | Pacific | KH1110 | 21 | -23.00 | -100.00 | 3 |  | 1 |  |  | AGD440-17 - AGD442-17 | Wall-Palmer et al. 2018 + New | RMNH.MOL.341944, RMNH.MOL.341946, RMNH.MOL.341949 |
| *Protatlanta souleyeti* | Pacific | KOK1703 | 3 | 22.65 | -157.69 | 1 | 1 | 1 |  |  | ATCP173-19 | New | RMNH.MOL.341921 |
| *Protatlanta souleyeti* | Pacific | SO255 | 57 | -29.95 | -178.73 |  | 1 | 1 |  |  | ATCP186-19 | New | RMNH.MOL.341929 |
| *Protatlanta souleyeti* | Pacific | SO255 | 73 | -28.13 | 179.02 | 1 | 1 | 1 |  |  | ATCP174-19 | New | RMNH.MOL.341922 |
| *Protatlanta souleyeti* | Pacific | SO255 | 80 | -29.10 | -179.72 | 1 |  | 2 |  |  | ATCP175-19, ATCP189-19 | New | RMNH.MOL.341923, RMNH.MOL.341927 |
| *Protatlanta souleyeti* | Pacific | SO255 | 100 | -28.52 | 179.59 |  | 1 | 1 |  |  | ATCP184-19 | New | RMNH.MOL.341924 |
| *Protatlanta souleyeti* | Pacific | SO255 | 143 | -32.87 | -179.78 |  | 1 |  |  |  | ATCP185-19 | New | RMNH.MOL.341925 |
| *Carinaria* sp. | Indian | SN105 | 1 | 11.89 | 66.97 | 4 | 1 | 1 |  |  | ATCP156-19, ATCP157-19, ATCP154-19, ATCP161-19 | New | RMNH.MOL.341849, RMNH.MOL.341851, RMNH.MOL.341852, RMNH.MOL.341856 |
| *Carinaria* sp. | Indian | SN105 | 4 | 8.02 | 67.08 | 3 |  |  |  |  | ATCP158-19, ATCP159-19, ATCP160-19 | New | RMNH.MOL.341853, RMNH.MOL.341854, RMNH.MOL.341855 |
| *Carinaria* sp. | Indian | SN105 | 8 | 4.38 | 67.00 | 4 |  |  |  |  | ATCP149-19, ATCP150-19, ATCP151-19, ATCP153-19 | New | RMNH.MOL.341844, RMNH.MOL.341845, RMNH.MOL.341846, RMNH.MOL.341848 |
| *Carinaria* sp. | Indian | SN105 | 19 | -2.95 | 66.99 | 4 | 2 | 3 | x | x | ATCP152-19, ATCP155-19, ATCP147-19, ATCP148-19 | New | RMNH.MOL.341842, RMNH.MOL.341843, RMNH.MOL.341847, RMNH.MOL.341850 |

**Supplementary Figures provided as separate files**

Supplementary Figure 1. Maximum likelihood phylogeny of the family Atlantidae based on cytochrome *c* oxidase subunit 1 mitochondrial DNA (CO1). Black squares represent bootstrap support >80%. Species groups based on morphology are highlighted with coloured boxes (See Table 2).

Supplementary Figure 2. Maximum likelihood phylogeny of the family Atlantidae based on the nuclear gene 28S. Poorly supported branches (<60%) have been collapsed to simplify the phylogeny. Black squares represent bootstrap support >80%. Species groups based on morphology are highlighted with coloured boxes (See Table 2).

Supplementary Figure 3. Maximum likelihood phylogeny of the family Atlantidae based on the nuclear gene 18S. Poorly supported branches (<60%) have been collapsed to simplify the phylogeny. Black squares represent bootstrap support >80%. Species groups based on morphology are highlighted with coloured boxes (See Table 2).

Supplementary Figure 4. The distribution of all specimens used in this study demonstrates the global coverage of the dataset. Filled circles represent specimens used for the concatenated gene phylogeny. Data were visualised using the software QGIS v2.8 (https://www.qgis.org/en/site/).