**Appendix 2 – Material included**

List of taxa revised for the analyses indicating source of information used (specimens or bibliography). Numbers in *italics* indicate type specimens (holotypes, paratypes or lectotypes). Citation in *italics* indicates illustration of type specimens:

|  |  |
| --- | --- |
| Taxon | Source of information |
| *Arcturellina asperula* | MACN-Pi 955, 959; PRI 3025C |
| *Astarte sulcata* | MNHN FR50738; NMR 25682, 40316 |
| *Bathycardita raouli* | NMR 63303; *Iredale 1925* |
| *Beguina semiorbiculata* | MACN-In 17486; NMR 19165;  AMNH In 29290; Heinberg 1993 |
| *Byssomera affinis* | *NHMUK 196377011*; MACN-In 6027; NMR 16042; PRI 5977; AMNH In 77995 |
| *Cardiocardita ajar* | NMR 16051; PRI KSU8679; AMNH In 29232–29233; Chavan 1938 |
| *Cardita variegata* | NMR 20001; AMNH In 29299–29300, 249079, 263825; Lamy 1922; Heinberg 1993 |
| *Carditamera floridana* | MACN-In 41173; UF 5508; YPM IZ 050966; PRI 46466 |
| *Cardites antiquatus* | MACN-In 1163, 28256; NMR 35663; AMNH In 104813 |
| *Centrocardita aculeata* | MLP 5240, 5243; NMR 26649; AMNH In 29302; Beu 2006 |
| *Claibornicardia alticostata* | *ANSP-IP 30562*; YPM IP 025752; PRI 38, 653, 655–657, 663, 668–671, 1061, 1461, 8535, 9544, 42969; AMNH Fi 950-1, 106765, 107030 |
| *Coripia unidentata* | MNHN FA49875, FA49876, FJ14611 |
| *Crassatella ponderosa* | MACN-Pi 983; 3012; NMR 65305; PRI 11465; *GMNH 45970* |
| *Darwinicardia patagonica* | *NHMUK L27955-6*; SGO.PI 469; MACN-Pi 357, 358, 359, 362, 365, 3578, 3583, 3602, 3611, 5768, 5769, 5781, 5782; CIRGEO-PI 2856, 2358, 2370, 2831, 2888; CPBA 6543, 8639–8640, 9328, 9364, 9373; CPBA 15946–15949, 15952–15960; MLP 1837, 1839, 10507, 18334; MACN-Pi 5803; PRI 66324, 66402–66403, 66405–66406, 66408–66410, 66702; AMNH Fi 11612-2 |
| *Glans trapezia* | MACN-Pi 2351, 2352; NMR 35717; PRI 35885; Beu 2006 |
| *Glyptoactis hadra* | UF 116940; PRI 32922; *Stewart 1930*; Heaslip 1968 |
| *Kolmeris tehuelchana* | *MACN-Pi 371*, 353, 2214, 6334; PRI 66711 |
| *Leuroactis pilsbryi* | *Stewart 1930*; Gardner & Bowles 1939 |
| *Megacardita jouanetti* | MACN-Pi 2175, 2350, 2355; PRI 35, 2831; AMNH Fi 3064-1, 16650-2, 20226; La Perna *et al*. 2017 |
| *Miodomeris cossmanni* | MNHN FJ09318 |
| *Pacificor mulleri* | Verastegui 1953 |
| *Palaeocardita stoecklini* | *Hautmann 2001* |
| *Pleuromeris decemcostata* | PRI 42719; Gardner 1943 |
| *Pleuromeris tridentata* | PRI 743, 7109-18; UF 189442; NMR 19837; AMNH Fi 11266, 10894-1, 33947, AMNH In 120166, 310354 |
| *Pteromeris perplana* | PRI 791, 32562; UF 49642; AMNH Fi 10895-1; AMNH In 247631; Gardner 1943 |
| *Purpurocardia purpurata* | MACN-In 28255; NMR 18866; PRI 45080, K6063, K8675; AMNH In 51001, 132746; Beu 2006 |
| *Scalaricardita laciarina* | MACN-Pi 2213 |
| *Scalaricardita scalaris* | NMR 25647; *Janssen & Moerdijk 2004* |
| *Venericardia imbricata* | *GMNH 46023–46025*; CPBA 330; MACN-Pi 960; NMR 65308, MNHN FJ07562, FA25072; PRI 3004C, 3130C; AMNH Fi 4057 |
| *Venericor planicosta* | CPBA 329; 3097; MACN-Pi 961; NMR 14599; PRI 131–133, 156, 268, 634–636, 638–640, 1304, 4256–4265, 4267, 11840, 42690, 69718 |
| *Vimentum dilectum* | AMS C18124, C26099, C40720; AMNH Fi 3065-1, 4089, 9953, 27672, 106790, 106862 |
| *Cyclocardia awamoensis* | MACN-Pi 5804; Maxwell 1969; *Beu & Maxwell 1990* |
| *Cyclocardia barbarensis* | *USNM.Mo 104045*; PRI 14221; AMNH In 206461 |
| *Cyclocardia borealis* | YPM IZ 033525; NMR 16389; PRI 43265, 45078, 68227; AMNH In 172284, 292589 |
| *Cyclocardia californica* | PRI 1387; AMNH Fi 25661; LACMIP 40054, 41671, 41946 |
| *Cyclocardia calvertensis* | *PRI 9932* |
| *Cyclocardia cannada* | *MACN-Pi 344*, 345–348, 5772, 5778, 5779, 5780; CPBA 9373; PRI 66848 |
| *Cyclocardia castrana* | PRI 13289; *Glenn 1904* |
| *Cyclocardia chamaeformis* | NMR 5705, 80386; PRI 5330D; *Janssen & Moerdijk 2004* |
| *Cyclocardia christiei* | *TM 1853*; PRI 311F, 325–326F |
| *Cyclocardia compressa* | *NHMUK 1967582*; MACN-Pi 363, 364; MACN-In 22758; USNM.Mo 896019 |
| *Cyclocardia crassidens* | *USNM.Mo 207300*; AMNH In 139863, 139866 |
| *Cyclocardia crebicostata* | AMNH In 127582, 199365 |
| *Cyclocardia dalek* | *MACN-Pi 5770, 5771*, 355; PRI.66396–66397, 66399, 66407; AMNH Fi 11611-1 |
| *Cyclocardia granulata* | NMR 67040; UF 197634; 200957; 246433; PRI 2624E, 12289; AMNH Fi 10893-5 |
| *Cyclocardia hamiltonensis* | *Addicott et al., 1971*; Popov 1983; Peive *et al*. 1984 |
| *Cyclocardia isaotakii* | Coan 1977 |
| *Cyclocardia kickxi* | PRI 35664 |
| *Cyclocardia marama* | *Maxwell 1969* |
| *Cyclocardia mesembria* | *USNM.Mo 441626, 441627*; PRI 59696, 63136 |
| *Cyclocardia moniliata* | *USNM.Mo 96132*; MACN-In 24191 |
| *Cyclocardia nortensis* | *CPBA 13242*, *13247*, 13246, 1322 –13241, 13243–13245, 13248–13273; 9326; MLP 1883 |
| *Cyclocardia novangliae* | AMNH In 29244 |
| *Cyclocardia occidentalis* | PRI 43266; LACMIP 181, 31329 |
| *Cyclocardia rjabininae* | Coan 1977; Popov 1983 |
| *Cyclocardia vautrotorum* | *PRI 9933* |
| *Cyclocardia velutinus* | USNM.Mo 870382; MACN-In 21915, 22236, 25183 |
| *Cyclocardia ventricosa* | *USNM.Mo 3373*; NMR 19624, 20026; PRI K2076; AMNH In 26414; LACMIP 322; 6077 |
| *Cyclocardia yakatagensis* | *Addicott et al., 1971*; Popov 1983; Peive *et al*. 1984 |