

### 3. Supplementary table S1

Table S1. GenBank accession numbers of additional, previously published cytochrome *c* oxidase subunit I (COI) sequences of the used in the Automatic Barcode Gap Discovery (ABGD) analysis, with the references to the original publication. All sequences belong to species of the muricid subfamily Coralliophilinae.

Species	GenBank accession numbers	References <sup>a</sup>
<i>Babelomurex cariniferus</i>	FN651934	1
<i>Babelomurex spinosus</i>	FN651935	1
<i>Coralliophila erosa</i>	FR853815	2
<i>Coralliophila galea</i> <sup>b</sup>	U86331	3
<i>Coralliophila meyendorffii</i>	EU870569, FN651936	4, 1
<i>Coralliophila mira</i>	FN651937	1
<i>Coralliophila monodonta</i> <sup>c</sup>	FN651940	1
<i>Coralliophila violacea</i>	FR853816	2
<i>Latiaxis pilsbryi</i>	FN651938	1
<i>Leptoconchus inactiniformis</i>	EU215826	5
<i>Leptoconchus inalbechi</i>	EU215802, EU215803, EU215806–EU215808	5
<i>Leptoconchus incrassa</i>	EU215804, EU215805	5
<i>Leptoconchus incycloseris</i>	EU215812–EU215816, EU215861	5
<i>Leptoconchus infungites</i>	EU215817–EU215820	5
<i>Leptoconchus ingrandifungi</i>	EU215839, EU215843, EU215844, EU215852, EU215864, EU215865	5
<i>Leptoconchus ingranulosa</i>	EU215821–EU215823	5
<i>Leptoconchus inlimax</i>	EU215829–EU215833	5
<i>Leptoconchus inpileus</i>	EU215840–EU215842	5
<i>Leptoconchus inpleuractis</i>	EU215834–EU215838	5
<i>Leptoconchus inscruposa</i>	EU215854–EU215855	5
<i>Leptoconchus inscutaria</i>	EU215857–EU215859	5
<i>Leptoconchus intalpina</i>	EU215845–EU215847, EU215860	5
<i>Leptoconchus massini</i>	EU215809–EU215811, EU215827, EU215848–EU215851, EU215853	5
<i>Leptoconchus vangoethemi</i>	EU215828, EU215862, EU215863	5
<i>Leptoconchus</i> sp.	FN651939	1
<i>Rapa rapa</i>	FN651941	1

<sup>a</sup>: 1: Barco *et al.*, 2010; 2: Claremont *et al.*, 2011; 3: Harasewych *et al.*, 1997; 4: Puillandre *et al.*, 2009; 5: Gittenberger and Gittenberger, 2011

<sup>b</sup>: Deposited in GenBank under the name *Coralliophila abbreviata*

<sup>c</sup>: Deposited in GenBank under the name *Quoyula monodonta*

#### References

- Barco A, Claremont M, Reid DG, Houart R, Bouchet P, Williams ST, Cruaud C, Couloux A, Oliverio M. 2010. A molecular phylogenetic framework for the Muricidae, a diverse family of carnivorous gastropods. *Molecular Phylogenetics and Evolution* 56: 1025–1039.
- Claremont M, Reid DG, Williams ST. 2011. Evolution of corallivory in the gastropod genus *Drupella*. *Coral Reefs* 30: 977–990.
- Gittenberger A, Gittenberger E. 2011. Cryptic, adaptive radiation of endoparasitic snails: Sibling species of *Leptoconchus* (Gastropoda: Coralliophilidae) in corals. *Organisms Diversity and Evolution* 11: 21–41.
- Harasewych MG, Adamkewicz SL, Blake JA, Saudek D, Spriggs T, Bult CJ. Neogastropod phylogeny: a molecular perspective. *Journal of Molluscan Studies* 63: 327–351.
- Puillandre N, Strong EE, Bouchet P, Boisselier M-C, Couloux A, Samadi S. 2009. Identifying gastropod spawn from DNA barcodes: Possible but not yet practicable. *Molecular Ecology Resources* 9: 1311–1321.