

Table S2. Information about the samples obtained

Species	Collection Date	Geographical locality	Longitude coordinate, Latitude coordinate
<i>Trichomya hirsuta</i>	15 Dec. 2016	Beihai, Guangxi	108°20'20"E, 21°37'4"N
<i>Mytilisepta virgata</i>	14 Aug. 2020	Zhoushan, Zhejiang	121°3'44"E, 27°28'21"N
<i>Septifer excisus</i>	25 Jul. 2024	Weizhou Island, Guangxi	109°6'58"E, 21°1'11"N
<i>Septifer bilocularis</i>	10 Jan. 2018	Sanya, Hainan	109°43'43"E, 18°16'27"N
<i>Brachidontes</i> sp.	25 Jul. 2024	Weizhou Island, Guangxi	109°6'58"E, 21°1'11"N
<i>Brachidontes mutabilis</i>	18 Jun. 2018	Zhanjiang, Guangdong	110°27'13"E, 21°9'39"N
<i>Brachidontes variabilis</i>	27 May. 2023	Wanning, Hainan	110°31'4"E, 18°53'11"N
<i>Dentimodiolus striatulus</i> 1	8 May. 2020	Beihai, Guangxi	108°45'7"E, 21°37'1"N
<i>Dentimodiolus striatulus</i> 2	20 Jul. 2024	Ledong, Hainan	108°41'5"E, 18°30'57"N
<i>Dentimodiolus subsulcatus</i>	25 Jul. 2024	Weizhou Island, Guangxi	109°6'58"E, 21°1'11"N