Table S3 Primer sequences and annealing temperatures used in this study

Gene	Primer name	Sequence (5′–3′)	Annealing temperature (°C)	Source
cox1	LCO1490	GGTCAACAAATCATAAAGATATTGG	48	[1]
	HCO2198	TAAACTTCAGGGTGACCAAAAAATCA		
	ex-F	GTGAAAAAGGCGTGGGAACT	55	this study
	ex-R	CTCCCGTAGGAACAGCAATGA		
16S	16Sar	CGCCTGTTTATCAAAAACAT	48	[2]
	16Sbr	CCGGTCTGAACTCAGATCACGT		
18S	22F	WAYCTGGTTGATCCTGCCAGT	55	[3]
	1789R	GATCCTTCYGCAGGTTCACCTAC		
28S	28SC1	ACCCGCTGAATTTAAGCAT	52	[4]
	28SC4	TCGGAGGGAACCAGCTACTA		
H3	H3F	ATGGCTCGTACCAAGCAGACVGC	56	[5]
	H3R	ATATCCTTRGGCATRATRGTGAC		
	H3af	ATGGCTCGTACCAAGCAGACVGC	49	[6]
	H3ar	ATATCCTTRGGCATRATRGTGAC		

1. Folmer O, Black M, Hoeh W, Lutz R, Vrijenhoek R. 1994. DNA primers for amplification of mitochondrial cytochrome c oxidase subunit I from diverse metazoan invertebrates. *Molecular Marine Biology and Biotechnology* 3:294–299 http://doi.org/10.1371/journal.pone.0013102
2. Palumbi SR. 1996. Nucleic acids II: the polymerase chain reaction. In Molecular Systematics, ed. HD M., MB K., C Moritz. Sunderland: Sinauer. pp:205–247
3. Medlin L, Elwood HJ, Stickel S, Sogin ML. 1988. The characterization of enzymatically amplified eukaryotic 16S-like rRNA-coding regions. *Gene* 71:491–499 http://doi.org/10.1016/0378-1119(88)90066-2
4. Hassouna N, Michot B, Bachellerie JP. 1984. The complete nucleotide sequence of mouse 28S rRNA gene. Implications for the process of size increase of the large subunit rRNA in higher eukaryotes. *Nucleic Acids Research* 12:3563–3583 http://doi.org/10.1093/nar/12.8.3563
5. Colgan DJ, Ponder WF, Eggler PE. 2000. Gastropod evolutionary rates and phylogenetic relationships assessed using partial 28S rDNA and histone H3 sequences. *Zoologica Scripta* 29:29–63 http://doi.org/10.1046/j.1463-6409.2000.00021.x
6. Tan KS, Tan S, Sanpanich K, Duangdee T, Ambarwati R. 2021. Taxonomic re-description and relationships of two mat-forming mussels from the indo-pacific region, with a proposed new genus. *Phuket Marine Biological Center Research Bulletin* 78:77–115 http://doi.org/10.14456/pmbcrb.2021.7