

Supplementary material

Genetic analyses reveal cryptic diversity in the widely distributed *Styela canopus* (Asciacea : Styelidae)

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Table S1. GenBank access codes for external sequences used in phylogenetic molecular analyses

<i>Styela clava</i> COI	<i>Styela plicata</i> COI	<i>Styela plicata</i> ANT
FJ528635.1	HQ916430.1	HQ916363.1
GU328009.1	HQ916433.1	HQ916364.1
GU328010.1	HQ916441.1	HQ916365.1
GU328011.1	HQ916442.1	HQ916367.1
GU328012.1	HQ916445.1	HQ916368.1
GU328015.1	HQ916446.1	HQ916369.1
GU328017.1	JX885722.1	HQ916370.1
GU328018.1	KC492160.1	HQ916371.1
GU328019.1	KC492161.1	HQ916372.1
GU328022.1	KC492162.1	HQ916373.1
GU328023.1	KC492164.1	HQ916374.1
GU328024.1	KC492167.1	HQ916375.1
GU328026.1	KM508852.1	HQ916377.1
GU328027.1	KM508853.1	HQ916378.1
GU328028.1	KM508855.1	HQ916379.1
GU328029.1	KM508863.1	HQ916380.1
GU328031.1	KM508865.1	HQ916381.1
GU328032.1	KU878146.1	HQ916382.1
GU328034.1	KU878147.1	HQ916383.1
HQ730795.1	KU878151.1	HQ916384.1
HQ730796.1	KY111430.1	HQ916385.1
HQ730797.1	KY111431.1	HQ916386.1
HQ730798.1	KY111432.1	HQ916387.1
HQ730799.1		HQ916388.1
HQ730800.1		HQ916389.1
HQ730801.1		HQ916390.1
HQ730802.1		HQ916391.1
HQ730803.1		HQ916392.1
HQ730804.1		HQ916393.1
HQ730805.1		HQ916394.1
HQ730806.1		HQ916395.1
HQ730808.1		HQ916396.1
HQ730809.1		HQ916397.1
JQ742956.1		HQ916398.1
KC905096.1		HQ916399.1
KC905097.1		HQ916400.1
KC905098.1		HQ916402.1
KC905099.1		HQ916403.1
KC905100.1		HQ916404.1
KC905101.1		HQ916406.1
KC905102.1		HQ916407.1
KJ725171.1		HQ916408.1
KU647849.1		HQ916409.1
KY235620.1		HQ916410.1
		HQ916413.1
		HQ916414.1
		HQ916415.1
		HQ916416.1
		HQ916417.1
		HQ916418.1
		HQ916419.1
		HQ916420.1
		HQ916421.1
		HQ916422.1
		HQ916423.1

Table S2. Sequences used as an external group in molecular phylogenetic analyses

Botryllus schlosseri - COI

ataagtgcttcattcgttagaattgtcaagtaggtcaagtggttagagataggaatt-
gtataatgtaattgtaactgctcatgctctttgtgatgtttttttgttataacctatgataaaggagggttggaattggtattaccttaatagtggggagtcagataggctttcctcgattaaataataagttttgattgtgccccctgctttgtttt
cttttagaagttctataaattgaaagtgagtag-
gactgggtgaactgtttatcctccccttctagaatftagctcattctagagctgctttggattgctatttttctttacattggctagagtgctagatfttaagatcttaactttatgactactttgttaataaaaggtaaagggtgggactttttct
atatctttgtttgtgaactgtattggtcactactattttgtattattatctttacctgttttggcagct

Microcosmus squamiger - COI

ataagtgcttaattcgtatggagctgtcacaacagggtccagtaattggtgatgggcagtt-
gtataatgtattgctactgcacatgctttgtataatcttttttctgtatgccataataaagggggtttggaaactggtgtacctttgatattaggatctcctgataggctttccacggtaataatagattttggttttaccaccagctttttct
acttctatttctctctattgagagcgggttaggacaggttgacag-
tttaccctccttagctgggaatttagcacattcaaggccagcattagatagtgctatttttctactacattggctaggggttctagatctgggtagtttaattttataactactatatttaataaaaggcaaaagggtggagatttttaataacctttattg
tatggactgttttagtcacaacggtttattgtattatctttgccagtattagctgca

Botrylloides nigrum - COI (1–516) + ANT (517–736)

ataagtgatttatccggttagaacttctcaaatggacaggtgtt-
ggtgatggacaattatataatgtattgtaaccgacacgctttgtataatttttctttgtatgcctataataaaggagatttggaattggtactgccttaatagtggaagtcggataggctttccctcgtcttaataataagttttgcttttac
ctcctgccttatttttcttttattagttctataaattgagagtgagtaagaacgggtt-
gaactgtttatcctcctttatcaaggaatttagctcattccggagctgctttagattgtgctatttttctccttcatttagctagagttctagatfttaagatcttaattttataaccactttgttaataataaaagtaaaagggtggagatatttcaatatctt
gttctgttgaactgttttagttacgactattttgtactttatctttacctgttttggctg-
caggccttgaaattgatcgcgaccattttcaagcaggatgggctagaggactttaccaaggtttctctatctatacaaggcatcatagctatcgtcggcctattttggaactgacgacaccgtcaaggaatgttacctgatccaaagaatac
ccagtagtctgaagctggtgatgattgcacaacagtaactacaggcgtggaatagtttcat