

# From coral reefs into the abyss: the evolution of corallivory in the Coralliophilinae (Neogastropoda, Muricidae)

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## Supporting Information

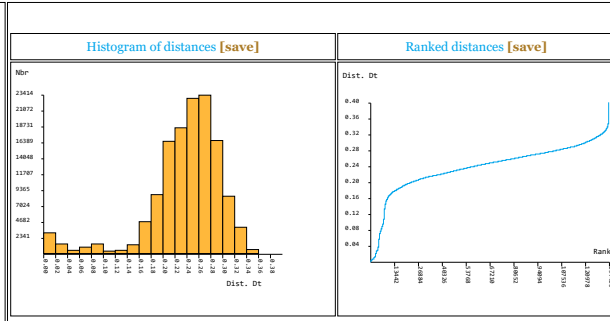
Figure S1: ASAP analysis of the COI dataset. Upper left, ASAP ten best partitions; upper central, ASAP ranked genetic distances; upper right, ASAP histogram of genetic distances; down left, voucher numbers; down right, the ten best partition identified by ASAP (each box correspond to one hypothetical species, the number of specimens included in each group is reported at the top of the box). On the top for each partition is reported the total number of hypothetical species found "Nb groups" and the ASAP score "Score". "W" = Relative Barcode Gap Width.

### ASAP Results

The lower the score, the better the partition

Nb of subsets	asap-score	P-val (rank)	W (rank)	Threshold dist.	Text
67	5.50	1.32e-03 (2)	4.89e-05 (9)	0.120692	<a href="#">list csv</a>
71	6.00	2.55e-01 (7)	5.33e-05 (5)	0.116113	<a href="#">list csv</a>
* 118	12.50	5.21e-01 (11)	4.76e-05 (14)	0.039740	<a href="#">list csv</a>
* 111	13.00	6.01e-01 (16)	4.87e-05 (10)	0.044442	<a href="#">list csv</a>
* 117	13.00	7.57e-01 (22)	5.60e-05 (4)	0.040439	<a href="#">list csv</a>
* 115	17.50	9.02e-01 (32)	5.98e-05 (3)	0.041254	<a href="#">list csv</a>
75	19.50	6.69e-01 (19)	4.71e-05 (20)	0.112212	<a href="#">list csv</a>
104	20.00	2.08e-01 (5)	3.31e-05 (35)	0.055829	<a href="#">list csv</a>
79	21.00	6.31e-01 (17)	3.79e-05 (25)	0.108059	<a href="#">list csv</a>
* 109	22.50	7.50e-01 (21)	3.81e-05 (24)	0.047667	<a href="#">list csv</a>

Number of subsets in this table equals to the number of primary species hypotheses in the respective partition





BAU\_2196\_Coralliophila\_violacea  
 BAU\_2202\_Coralliophila\_violacea  
 BAU\_2207\_Coralliophila\_violacea  
 BAU\_2192\_Coralliophila\_violacea  
 BAU\_2197\_Coralliophila\_violacea  
 BAU\_2199\_Coralliophila\_violacea  
 BAU\_2200\_Coralliophila\_violacea  
 BAU\_2203\_Coralliophila\_violacea  
 BAU\_2204\_Coralliophila\_violacea  
 BAU\_2205\_Coralliophila\_violacea  
 BAU\_2198\_Coralliophila\_violacea  
 Coralliophila\_radula\_ID2000\_10  
 IM\_2009\_14448\_Coralliophila\_violacea  
 Coralliophila\_erosa\_MH898728\_1  
 IM\_2009\_14505\_Coralliophila\_erosa  
 IM\_2013\_10056\_Coralliophila\_erosa  
 IM\_2009\_5105\_Coralliophila\_erosa  
 IM\_2013\_10055\_Coralliophila\_erosa  
 IM\_2013\_55205\_Coralliophila\_erosa  
 IM\_2013\_10058\_Coralliophila\_erosa  
 IM\_2013\_10295\_Coralliophila\_erosa  
 IM\_2013\_10057\_Coralliophila\_erosa  
 Coralliophila\_galea\_RMNH\_5004294  
 Coralliophila\_galea\_RMNH\_5004299  
 Coralliophila\_galea\_RMNH\_5004314  
 IM\_2013\_20393\_Coralliophila\_galea  
 IM\_2013\_60271\_Coralliophila\_galea  
 Coralliophila\_galea\_RMNH\_5004298  
 Coralliophila\_galea\_RMNH\_5004305  
 Coralliophila\_galea\_RMNH\_5004319  
 IM\_2013\_71018\_Coralliophila\_galea  
 IM\_2013\_72314\_Coralliophila\_galea  
 Coralliophila\_galea\_RMNH\_5004308  
 Coralliophila\_galea\_RMNH\_5004316  
 Coralliophila\_galea\_RMNH\_5004320  
 IM\_2013\_20447\_Coralliophila\_galea  
 Coralliophila\_galea\_RMNH\_5004302  
 Coralliophila\_galea\_RMNH\_5004313  
 Coralliophila\_galea\_RMNH\_5004318  
 Coralliophila\_galea\_RMNH\_5004295  
 Coralliophila\_galea\_RMNH\_5004297  
 Coralliophila\_galea\_RMNH\_5004301  
 Coralliophila\_galea\_RMNH\_5004306  
 Coralliophila\_galea\_RMNH\_5004307  
 Coralliophila\_galea\_RMNH\_5004309  
 Coralliophila\_galea\_RMNH\_5004312  
 Coralliophila\_galea\_RMNH\_5004315  
 Coralliophila\_galea\_RMNH\_5004321  
 Coralliophila\_galea\_RMNH\_5004310  
 Coralliophila\_galea\_RMNH\_5004303  
 IM\_2013\_9565\_Coralliophila\_galea  
 Coralliophila\_galea\_RMNH\_5004304  
 IM\_2013\_8687\_Coralliophila\_galea  
 Coralliophila\_galea\_RMNH\_5004311  
 IM\_2013\_19489\_Coralliophila\_galea  
 Coralliophila\_galea\_RMNH\_5004317  
 Coralliophila\_galea\_RMNH\_5004296  
 IM\_2013\_9490\_Coralliophila\_galea  
 IM\_2013\_8685\_Coralliophila\_galea

