



## Caribbean Cryptic Fishes 2

REEF Fishinar October 17, 2017, Amy Lee - Instructor

Questions? Feel free to contact [amy@REEF.org](mailto:amy@REEF.org)

	<p><b>Rusty Goby</b> (<i>Priolepis hipoliti</i>)  <b>Family: Goby</b></p> <ul style="list-style-type: none"> <li>• Orange body with thin blue or gray bars</li> <li>• Elongated second dorsal fin spine</li> <li>• Reddish-gold iris with green pupil</li> <li>• Perch upside down inside crevices on walls or coral heads</li> </ul> <p>Photo by: ReefNet          Size: Up to 1.25 in.</p>
	<p><b>Tusked Goby</b> (<i>Risor ruber</i>)  <b>Family: Goby</b></p> <ul style="list-style-type: none"> <li>• See-through body with small dark specks throughout</li> <li>• Two white bars below eye with two wide dark midbody bars</li> <li>• Found inside large barrel sponges</li> </ul> <p>Photo by: ReefNet          Size: Up to 1 in.</p>
	<p><b>Peppermint Basslet</b> (<i>Liopropoma rubre</i>)  <b>Family: Sea Bass (not Basslet!)</b></p> <ul style="list-style-type: none"> <li>• Maroon and yellow-gold stripes on body</li> <li>• Dark spot on dorsal and anal fin</li> <li>• Two black blotches on tail are connected – <i>peppermint stick</i></li> </ul> <p>Photo by: ReefNet          Size: Up to 3.5 in.</p>
	<p><b>Candy Basslet</b> (<i>Liopropoma carmabi</i>)  <b>Family: Sea Bass</b></p> <ul style="list-style-type: none"> <li>• Purple and orange stripes on body</li> <li>• Dark spot on dorsal fin, but not on anal fin</li> <li>• Two separate black blotches on tail – <i>two pieces of candy</i></li> </ul> <p>Photo by: ReefNet          Size: Up to 2 in.</p>



**Cave Basslet** (*Liopropoma mowbrayi*)

**Family: Sea Bass**

- Salmon to dark red body color
- Black band towards end of tail
- Bright blue margin on dorsal, anal and tail fins

Photo by: ReefNet

Size: Up to 3.5 in.



**Reef Squirrelfish** (*Sargocentron coruscum*)

**Family: Squirrelfish**

- Red body with silver stripes
- Large black blotch on dorsal fin
- Tips and base of first dorsal fin are white

Photo by: ReefNet

Size: Up to 5.5 in.



**Dusky Squirrelfish** (*Sargocentron vexillarium*)

**Family: Squirrelfish**

- Silvery or bronze-red body color
- Wide silver stripes on body, alternating with darker stripes
- Bright red borders on anal and tail fins

Photo by: ReefNet

Size: Up to 7 in.



**Cardinal Soldierfish** (*Plectrypops retrospinis*)

**Family: Squirrelfish**

- Bright red body color with no markings – *red like a cardinal*
- Rounded tail lobes
- Belly is sometimes paler than rest of body

Photo by: ReefNet

Size: Up to 8.5 in.



**Flamefish** (*Apogon maculatus*)

**Family: Cardinalfish**

- Bright red or salmon body color
- Two white horizontal lines running across eye – looks like *flames on a gas stove*
- Dark spot behind eye
- Almost always has dark spot below dorsal fin

Photos by: ReefNet

Size: Up to 4.5 in.





**Two-spot Cardinalfish** (*Apogon maculatus*)

**Family: Cardinalfish**

- Very similar to Flamefish - red or salmon body color and two horizontal white lines running through eye, spot behind eye
- *Two distinct spots*: one under dorsal fin, the other at base of tail
- Fins can often have dark tips

Photo by: ReefNet

Size: Up to 4.5 in.



**Whitestar Cardinalfish** (*Apogon lachneri*)

**Family: Cardinalfish**

- Bright red to salmon body color
- Black spot on base of tail, with a bright white spot overlapping it (the *white star*)
- No stripe running through eye, and has no body bands

Photo by: Florent Charpin

Size: Up to 3 in.



**Barred Cardinalfish** (*Apogon binotatus*)

**Family: Cardinalfish**

- Orange-red, pink, or salmon body color
- Black bar running from rear dorsal to anal fin
- Single, thin black bar at base of tail
- *Two R's, two bars*

Photo by: ReefNet

Size: Up to 4.5 in.



**Belted Cardinalfish** (*Apogon townsendi*)

**Family: Cardinalfish**

- Orange-red, pink or salmon body color (very similar to Barred)
- Black bar from rear dorsal to anal fin
- Two bars at base of tail – may have a dark area between the two bars, giving the appearance of one wide bar

Photo by: Florent Charpin

Size: Up to 2.5 in.



**Cherubfish** (*Centropyge argi*)

**Family: Angelfish**

- Royal blue body with yellow to orange face and chest (orange does not extend onto back)
- Thin blue ring around eye
- Bright blue margin on dorsal and anal fins

Photo by: ReefNet

Size: Up to 3 in.