

**Grunt / *Haemulon* sp.****A - IMMATURE**

TRANSPARENT TO  
TRANSLUCID GONADS

WITHOUT EGGS

**B - DEVELOPING**

non-hydrated eggs  
SOMETIMES visible

OPAQUE GONADS

**C - SPAWNING**

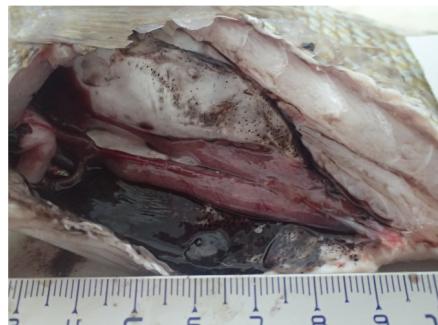
AT LEAST 1 VISIBLE  
HYDRATED EGG

**D - REGRESSION/REGENERATION**

FEW HYDRATED  
EGGS STILL PRESENT

FLABBY GONADS AND  
THICK INNER LAYER

General aspect  
"stunted"



**Grunt / *Haemulon* sp.****E - OMITTED SPAWNING**

UNDETERMINABLE WITH THE NAKED EYE

**F - ABNORMAL**NECROSIS,  
SCLEROSIS OR  
INTERSEX

<b>NA</b> No photo data 	<b>NA</b> Pas de données photos 
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Picture	Sex	Species	First maturity size
		Haemulon carbonarium	NA
		Haemulon flavolineatum	NA
		Haemulon parra	NA
		Haemulon plumieri	NA
		Haemulon sciurus	NA

**References/Photos :**

ICES (WKASMSF 2018 &amp; WKMATCH 2012),

IFREMER,

Quéro J-C. et Vayne J-J.2008. Les poissons de mer des pêches françaises : delachaux et niestlé, 304

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