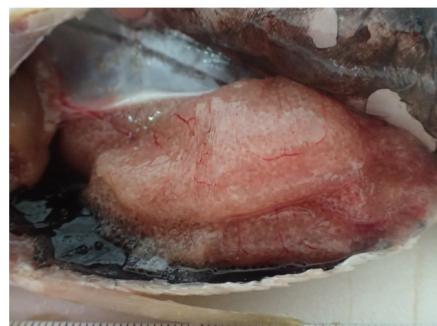
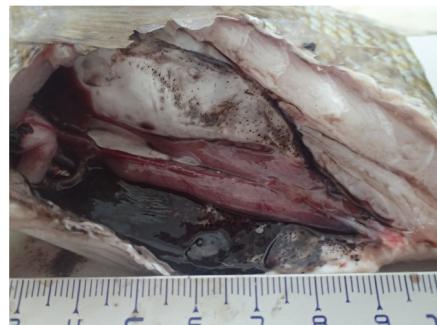


Grunt / *Haemulon* sp.**A - IMMATURE**TRANSPARENT TO
TRANSLUCID GONADS

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 PRESENTFLABBY GONADS AND
THICK INNER LAYERGeneral aspect
"stunted"

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

UNDETERMINABLE WITH THE NAKED EYE

F - ABNORMALNECROSIS,
SCLEROSIS OR
INTERSEX

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 & WKMATCH 2012),

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