

Grunt / *Haemulon* sp.



A - IMMATURE

TRANSPARENT TO
TRANSLUCID GONADS



B - DEVELOPING

OPAQUE GONADS IN
TWISTED SHAPE

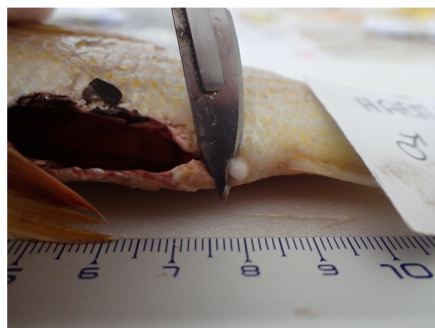
NON-FLOWING
GONADS



C - SPAWNING

FLOWING GONADS

OPAQUE AND
WHITISH GONADS

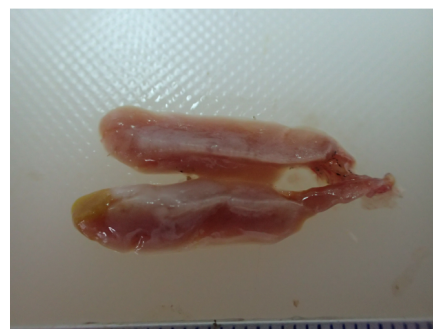


D - REGRESSION/REGENERATION

BLOOD RESIDUE IN
TISSUES

FLABBY GONADS

MILT RESIDUALS



VISUAL MATURITY SCALE

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E - OMITTED SPAWNING

UNDETERMINABLE WITH THE NAKED EYE

F - ABNORMAL

NECROSIS,
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

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