

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

TRANSPARENT TO
TRANSLUCID GONADS

**B - DEVELOPING**

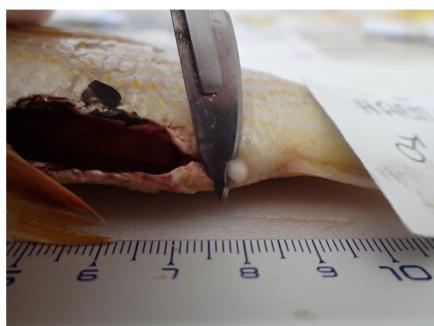
OPAQUE GONADS IN
TWISTED SHAPE

NON-FLOWING
GONADS

**C - SPAWNING**

FLOWING GONADS

OPAQUE AND
WHITISH GONADS

**D - REGRESSION/REGENERATION**

BLOOD RESIDUE IN
TISSUES

FLABBY GONADS

MLT RESIDUALS



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