

# VISUAL MATURITY SCALE

## Grunt / *Haemulon* sp.

Picture	Sex	Species	First maturity size
		Haemulon carbonarium	NA
		Haemulon flavolineatum	NA
		Haemulon parra	NA
		Haemulon plumieri	NA
		Haemulon sciurus	NA

## A - IMMATURE

TRANSPARENT TO  
TRANSLUCID GONADS



## B - DEVELOPING

OPAQUE GONADS IN  
TWISTED SHAPE

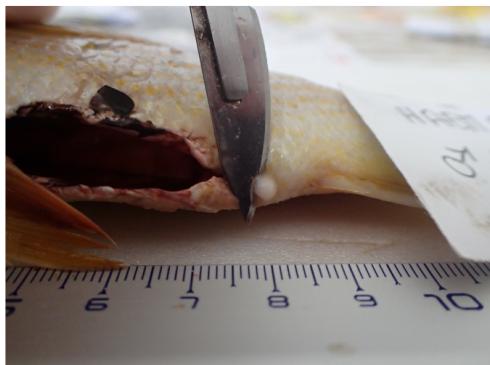
NON-FLOWING GONADS



## C - SPAWNING

FLOWING GONADS

OPAQUE AND WHITISH  
GONADS



## D - REGRESSION/REGENERATION

BLOOD RESIDUE IN  
TISSUES

FLABBY GONADS

MILT RESIDUALS



## E - OMITTED SPAWNING

NOT DETERMINABLE BY THE EYE

## F - ABNORMAL

NECROSIS, SCLEROSIS  
OR INTERSEX



References/Photos :

ICES (WKASMSF 2018 & WKMATCH 2012),  
IFREMER