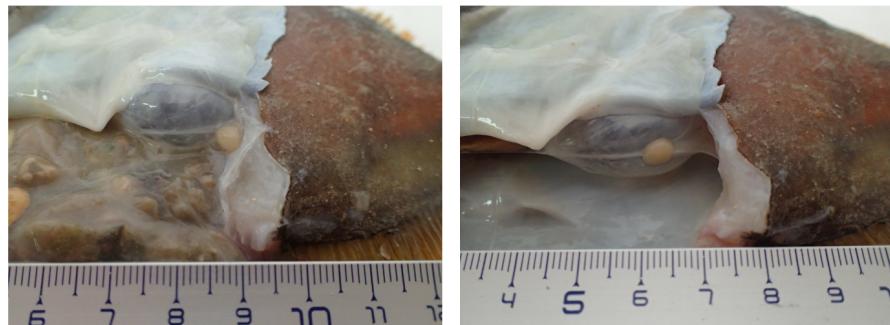


# American whitespotted filefish / *Cantherhines macrocerus*



## A - IMMATURE

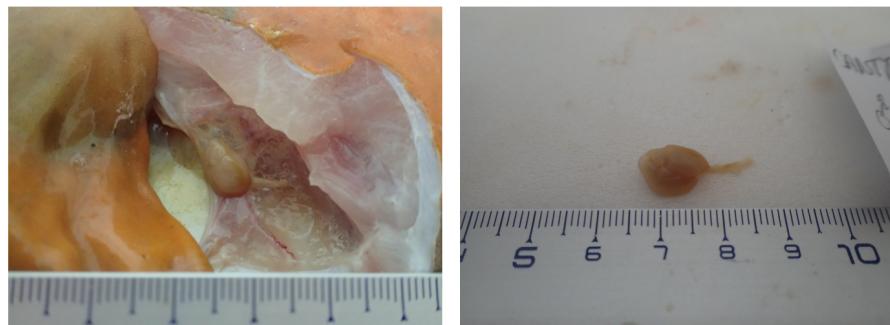
TRANSPARENT TO  
TRANSLUCID GONADS



## B - DEVELOPING

OPAQUE GONADS IN  
TWISTED SHAPE

NON-FLOWING  
GONADS



## C - SPAWNING

FLOWING GONADS

OPAQUE AND  
WHITISH GONADS

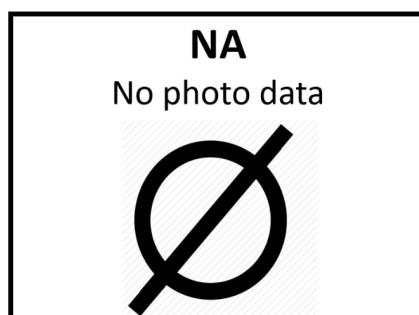


## D - REGRESSION/REGENERATION

BLOOD RESIDUE IN  
TISSUES

FLABBY GONADS

MILT RESIDUALS



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## E - OMITTED SPAWNING

UNDETERMINABLE WITH THE NAKED EYE

## F - ABNORMAL

NECROSIS,  
SCLEROSIS OR  
INTERSEX



Picture	Sex	Species	First maturity size
	♂	Cantherhines macrocerus	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