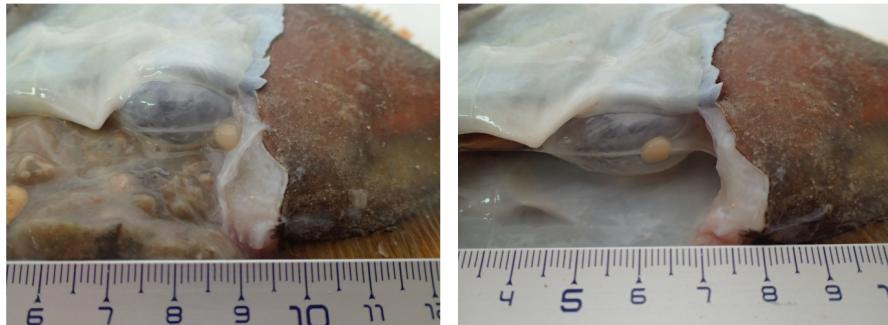


American whitespotted filefish / *Cantherhines macrocerus*



A - IMMATURE

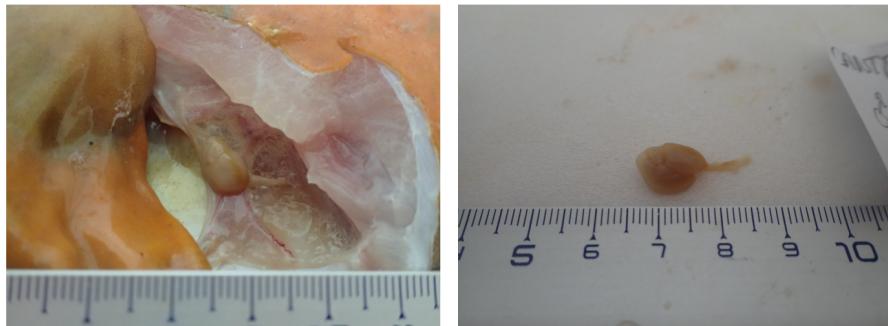
TRANSPARENT TO
TRANSLUCID GONADS



B - DEVELOPING

OPAQUE GONADS IN
TWISTED SHAPE

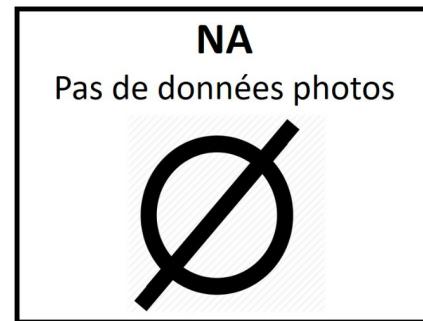
NON-FLOWING
GONADS



C - SPAWNING

FLOWING GONADS

OPAQUE AND
WHITISH GONADS



D - REGRESSION/REGENERATION

BLOOD RESIDUE IN
TISSUES

FLABBY GONADS

MILT RESIDUALS



American whitespotted filefish / *Cantherhines macrocerus*

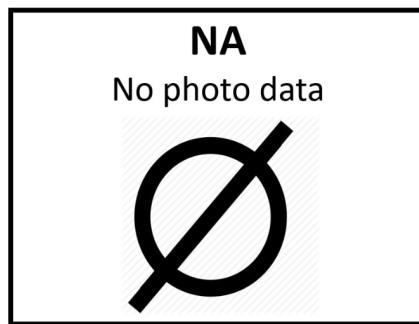


E - OMITTED SPAWNING

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