

# Cowfish / *Acanthostracion* 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



**Cowfish / *Acanthostracion* sp.****E - OMITTED SPAWNING**

UNDETERMINABLE WITH THE NAKED EYE

**F - ABNORMAL**NECROSIS,  
SCLEROSIS OR  
INTERSEX

Picture	Sex	Species	First maturity size
	♂	<i>Acanthostracion polygonius</i>	NA
		<i>Acanthostracion quadricornis</i>	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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