

# Spotted goatfish / *Pseudupeneus maculatus*



## 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



## VISUAL MATURITY SCALE

### Spotted goatfish / *Pseudupeneus maculatus*




## E - OMITTED SPAWNING

UNDETERMINABLE WITH THE NAKED EYE

## F - ABNORMAL

NECROSIS,  
SCLEROSIS OR  
INTERSEX



Picture	Sex	Species	First maturity size
	♂	<i>Pseudupeneus maculatus</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