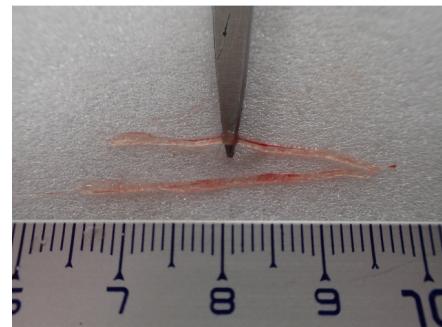
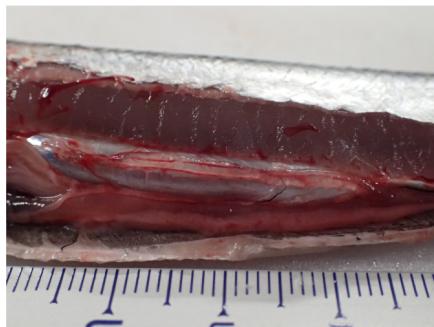


**Herring / *Clupea clupea*****A - IMMATURE**

FILIFORM and flattened  
knife-shaped surface



TRANSPARENT TO  
TRANSLUCID GONADS

**B - DEVELOPING**

NON-FLOWING  
GONADS



TRANSLUCID TO  
WHITISH OPAQUE

**C - SPAWNING**

FLOWING GONADS



OPAQUE AND  
WHITISH GONADS

**D - REGRESSION/REGENERATION**

BLOOD RESIDUE IN  
TISSUES



FLABBY, EMPTY

**Herring / *Clupea clupea*****E - OMITTED SPAWNING**

UNDETERMINABLE WITH THE NAKED EYE

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

Picture	Sex	Species	First maturity size
		<i>Clupea clupea</i>	15 - 21 cm

**References/Photos :**

ICES (WKASMSF 2018 &amp; WKMATCH 2012),

IFREMER,

Quéro J-C. et Vayne J-J.2008. Les poissons de mer des pêches françaises : delachaux et niestlé, 304

© J. Baudrier - Ifremer Martinique