

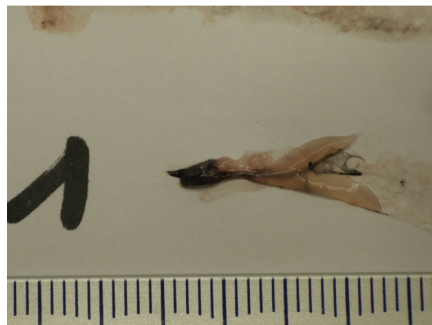
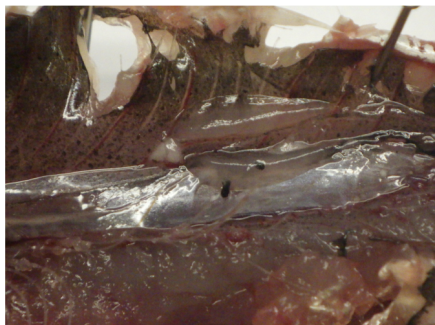
Sardine / *Sardina pilchardus*



A - IMMATURE

FILIFORM and flattened
knife-shaped surface

TRANSLUCID



B - DEVELOPING

Gonads are filling and
becoming opaque

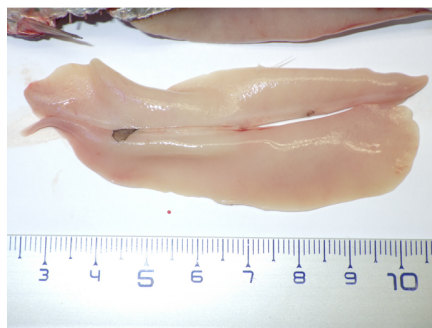
NON-FLOWING
GONADS



C - SPAWNING

FLOWING GONADS

OPAQUE AND
WHITISH GONADS



D - REGRESSION/REGENERATION

BLOOD RESIDUE IN
TISSUES

FLABBY, FLAT AND
RELAXED GONADS



MILT RESIDUALS



Sardine / *Sardina pilchardus***E - OMITTED SPAWNING**

UNDETERMINABLE WITH THE NAKED EYE

F - ABNORMALNECROSIS,
SCLEROSIS OR
INTERSEX

Picture	Sex	Species	First maturity size
		<i>Sardina pilchardus</i>	12 - 17 cm

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