Immunolocalization of morphogen sonic hedgehog in salmon fry (Salmo salar)

Inmunolocalización del morfógeno sonic hedhehog en alevines de salmón (Salmo salar)

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© 2016, Universidad de la Frontera. All rights reserved. With the purpose of carrying out a diagnosis of the different pathologies that affect the salmon fry stage (Salmo salar) and analyze the regeneration phases of the organizational centers and subjacent tissue in case of an amputation, we realized a study that allowed identifying the temporary and spatial location of the Sonic Hedgehog (Shh) morphogen in hatched fry stage. Fifteen salmon fry (Salmo salar) were used. They were anesthetized with 5 % benzocaine (BZ-20®, Veterquímica), fixed in 10 % buffered formalin, and embedded in paraffin, Shh polyclonal antibody (Santa Cruz H-160, rabbit) was used diluted at 1/100. They were subsequently rinsed in PBS-1 % Triton and incubated with anti-rabbit conjugated polymer antibody and HRP for 10-15 min. The development was done with DAB (Vector) for 1-5 min. The negative control was incubated without primary antibody. As an internal positive control the notochord was considered. Serial sagit