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Rainbow trout (Oncorhynchus mykiss) red mark syndrome - a standardised approach to histopathological scoring

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Rainbow trout Red Mark Syndrome - a standardised approach to histopathological classification

DTU

Normal muscle

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defined by histopathological features.

quantitative classification based on 5 categories (negative to mild, mild, moderate, severe, regenerative) of RI lesions using samples from a cohabitation infection model established at DTU-Aqua. In 87 cases **RMS** was followed from early lesion development until late healing stages, and samples were taken at several time-points. Histological samples were analysed blindly at the University of Udine. Histological classification is based on severity of inflammatory infiltrate in the dermis spongiosus and scale pockets and a semi-quantitative description of each layer including integrity of the layer, presence of necrosis, oedema, congestions, haemorrhages, absence of scale pockets and scale pockets resorption.

RESULTS AND CONCLUSIONS : No bacteria were observed in any of the lesion sections.

pathologist in the analysis and definition of suspected **RMS** lesions. Further studies are





needed to validate statistically the results

and evaluate interobserver agreement.