

عنوان مقاله:

Bacteriological study of caudal fin rot in brood stocks of *Salmo trutta caspius* using PCR/RFLP from the propagation and breeding center of Shahid Bahonar, Kelardasht

محل انتشار:

اولین کنگره بین المللی مدیریت بهداشتی و بیماریهای آبزیان (سال: 1387)

تعداد صفحات اصل مقاله: 1

نویسندگان:

A.R Golchin Manshadi - *Department of Aquatic Animal health, Faculty of veterinary Medicine, Azad University, Kazeroon, Iran*

M Soltani - *Department of Aquatic Animal health, Faculty of veterinary Medicine, Tehran University, Iran*

L Sharifpour - *Iranian Fisheries Research Organization, Tehran, Iran*

خلاصه مقاله:

Objective: The aim of the present study was to investigate the bacterial infection in caudal fin rot in brood stocks of *Salmo trutta caspius* using PCR/RFLP. Method and materials: In order to study caudal fin rot with emphasis on *Aeromonas hydrophila* and *Pseudomonas fluorescens* in *Salmo trutta caspius* from the Salmonids Propagation and Breeding Center of Shahid Bahonar of Kelardasht region, one hundred and eighty brood stocks having fin damage symptoms were chosen. Two bacterial samples from each fish were cultured on *Aeromonas* and *Pseudomonas* specific media. Similarly, in second stage of the study, bacterial samples were taken from thirty brood stocks. For isolation and biochemical diagnosis of the genera *Aeromonas* and *Pseudomonas*, the samples were studied using PCR amplification (using 16S rDNA genes of the genus *Pseudomonas* and 16S-23S rDNA intergenic spacer of the genus *Aeromonas*) and restriction analysis by four restriction enzymes for each genus. Results and conclusion: Restriction analysis of *Aeromonas* samples with *Hin6I*, *Csp6I*, *TaqI*, and *TasI* revealed three samples were different from others while restriction analysis of *Pseudomonas* samples with *AluI*, *HinfI*, *RsaI*, and *Tru1I* showed at least five species or biovars.

کلمات کلیدی:

Aeromonas, *Pseudomonas*, *Salmo trutta caspius*, PCR/RFLP

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/65411>

