

عنوان مقاله:

Yersinia ruckeri strains Population diversity in rainbow trouts from West Azarbaijan by DGGE technic

محل انتشار:

بیستمین کنگره بین المللی میکروب شناسی ایران (سال: 1398)

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خلاصه مقاله:

Introduction and Objectives: *Yersinia ruckeri* is a gram-negative stain bacillus and the causative agent of salmonids' enteric redmouth disease. the present research aimed to study the probable strain diversity of *Yersinia ruckeri* by DGGE (Denaturing Gradient Gel Electrophoresis) technic and evaluate the prevalence of the disease in West Azarbaijan' rainbow trout farms. **Materials and Methods:** In this regard firstly 124 individual infected fish were obtained from south of West Azarbaijan province. using biochemical tests 65 samples were detected as positive samples which were subsequently tested by PCR method of 16S rRNA fragment. using the recent molecular method only 40 samples were confirmed. **Results:** Finally, at this study, the prevalence of Yersiniosis in West Azarbaijan' were obtained 31.74 percent. also, the variation of the experiment, from 40 samples, 37 samples (92.5 percent) as biotype 1 and number 3 cases (7.5 percent) were identified as biotype 2. **Conclusion:** In a complementary study by DGGE technic showed that the variation of *Yersinia ruckeri* strain not any variation in the population of *Yersinia ruckeri* in all the samples that obtain from West Azarbaijan.

کلمات کلیدی:

Yersinia ruckeri, DGGE, rainbow trout

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