

عنوان مقاله:

جداسازی و مطالعه ویژگیهای فنوتیپی و مولکولی گونههای آئروموناسهای متحرک عامل سپتیسمی هموراژیک باکتریایی در برخی مزارع مبتلای کپورماهیان پرورشی کشور

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نویسندگان:

Mahdi Soltani - *Department of Aquatic Animal Health, Faculty of Veterinary Medicine, University of Tehran, Tehran, Iran*

Seyedeh Mahsa Moghimi - *PhD Candidate, Department of aquatic animal health, Faculty of veterinary medicine, University of Tehran*

Hoseinali Ebrahimzade Mousavi - *Full professor, Department of aquatic animal health, Faculty of veterinary medicine, University of Tehran*

Kazem Abdi - *Assistant professor, Aquatic animal health expert, Directorate of health and control of aquatic animal diseases, Iranian veterinary organization*

خلاصه مقاله:

Background: Motile Aeromonas species cause heavymortalities in carp farms during spring and summer in Iran. Objectives: The aim of this study was to detect phenotypicand genotypic characterization of motile Aeromonas species isolated fromdiseased carps in some northern and southern provinces of Iran. Methods: A number of 40 samples from 22 fish farms werecollected. The identified motile Aeromonas species were sequenced andphylogenetic tree was drawn by MEGA6 using UPGMA analysis. Results: A number of 19 bacterial isolates wereidentified as motile Aeromonas sp. by biochemical tests, and the DNAsegments of 16S rRNA gene of all these strains gave 1200 bp after running on 1%agarose electrophorus gel. Also, the sequencing results showed that thebacterial samples were determined as A. hydrophila and A. veronii biovar veronii. Conclusions: Phylogenetic analysis revealed that motile Aeromonasstrains in this study were separated in two clusters and four genogroups with high similarities

کلمات کلیدی:

Farmed carp, Motile Aeromonas septicemia, 16S rRNA gene

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