

عنوان مقاله:

Evaluation of genetic differences in Litopenaeus vannamei shrimp of different generations by VS rRNA gene

محل انتشار: ششمین کنگره بین المللی تحقیقات شیلات و آبزیان (سال: 1401)

تعداد صفحات اصل مقاله: 1

نويسندگان:

M.Kh Pazir - Iran Shrimp Research Center, Iranian Fisheries Science Research Institute, Agricultural Research, Education & Extension Organization, Bushehr, Iran

Kh Aeinjamshid - Iran Shrimp Research Center, Iranian Fisheries Science Research Institute, Agricultural Research, Education & Extension Organization, Bushehr, Iran

S Kakolaki - Iranian Fisheries Science Research Institute, Agricultural Research, Education & Extension Organization, Tehran, Iran

M.A Nazari - Iran Shrimp Research Center, Iranian Fisheries Science Research Institute, Agricultural Research, Education & Extension Organization, Bushehr, Iran

E Mohammadi – Iran Shrimp Research Center, Iranian Fisheries Science Research Institute, Agricultural Research, Education & Extension Organization, Bushehr, Iran

خلاصه مقاله:

This study aimed to determine the genetic differences between different generations of Litopenaeus vannamei by the \sqrt{s} rRNA mitochondrial genome. The results indicated that out of \sqrt{k} identified sites, \sqrt{k} were protected. the monomorphic position was in the range of \sqrt{k} - \sqrt{k} and included two polymorphic and two transitional positions. Only two haplotypes were identified, with haplotypes and nucleotide diversity of \sqrt{k} and \sqrt{k} , respectively, indicating the low diversity of haplotype and nucleotide in different generations of L. vannamei. Due to the high genetic identity of the different generations of shrimp and the decrease in the genetic distance between them, the genetic differentiation and gene flow between the different generations of the shrimp were $-\sqrt{k}$ and $-\sqrt{2}$. The mitochondrial genome is passed from the female broodstock to the post-larval, its diversity is likely to be affected by various factors, including genetic drift. Therefore, no genetic distinction between different generations of shrimp was observed due to the high protection of the mitochondria genome in the \sqrt{s} rRNA region

كلمات كليدى:

Litopenaeus vannamei, Mitochondrial genome, 15s rRNA region, Genetic differentiation

لینک ثابت مقاله در پایگاه سیویلیکا:



https://civilica.com/doc/1772134