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## Short Communication

The 18S Ribosomal DNA Sequence of *Strongyloides stercoralis* in IranS Koosha<sup>1</sup>, B Kazemi<sup>2</sup>, F Bonyadi<sup>1</sup><sup>1</sup>Parasitology and Mycology Division, Laboratory Sciences Department, Paramedical School, Shaheed Beheshti University M.C. , Tehran, Iran<sup>2</sup>Cellular and Molecular Biology Research Center, Shaheed Beheshti University, M.C, Tehran, Iran Corresponding Author:

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## Abstract:

Background: *Strongyloides stercoralis* is a prevalent parasite in some rural areas in the north of Iran. We decided to investigate whether the 18S ribosomal DNA sequence of the parasite in Iran is similar to the findings of the other researchers.

Methods: We collected 3514 stool samples from Gilan and Mazandaran, northern Iran, during the year 2005-2006, from which 96 were found infected with *S. stercoralis*. Using Bearman method filariform larvae were isolated. The larval DNA was extracted and subjected for PCR amplification and sequencing.

Results: We found 2.73% *S. stercoralis* infection in stool examination. The partially sequence of Iranian *S. stercoralis* 18S rDNA gene was deposited to GenBank at accession number of [EF062571](#).

Conclusion: The 18S rDNA sequence of *S. stercoralis* in Iran is very similar to the related sequences deposited in GenBank (94-93% identification).

## Keywords:

[18S rDNA](#) , [Strongyloides stercoralis](#) , [Filariform larvae](#) , [PCR](#) , [Iran](#)

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