

## عنوان مقاله:

UTILIZATION OF MLST GENOTYPING IN PHYLOGENIC STUDY OF MYCOPLASMA AGALACTIAE IN SEMANAN

## محل انتشار:

نوزدهمین کنگره بین المللی میکروب شناسی ایران (سال: 1397)

تعداد صفحات اصل مقاله: 1

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## خلاصه مقاله:

**Background and Aim:**In Asia, *Mycoplasma agalactiae*, the causative agent of agalactia is still a serious threat to Small ruminants farming with significant economic losses. Various methods have been provided for typing of *M. agalactiae* Such as VNTR, RFLP, PFGE and DGGE. MLST analysis is currently the standard globally accepted genotyping system for *M. agalactiae*. This study investigates the molecular epidemiology and genetic diversity of *M. agalactiae* isolates obtained from Semanan in 2017 by MLST. **Methods:** Genomic material was prepared from freshly cultured strains through a simplified boiling protocol. UvrC -PCR was used to authenticate identity of strains as *M. agalactiae*. Amplification protocols proposed by the MLST database were used, including primers which have been selected from the set of primers presented under the titles of amplifications and sequences. The five house keeping genes was amplified and sequences, and submitted in MLST and Genbank database. **Results:** MLST analysis of the isolates showed the homology of all isolates to alleles previously reported. moreover, our results suggest the genetic diversity of the isolates. **Conclusion:** Since the MLST results showed relatively high diversity, this method can be used as .powerful tool for further epidemiological investigations and population biology studies of *M. agalactiae* isolates

## کلمات کلیدی:

Genbank, Agalactia, *Mycoplasma agalactiae*, Semanan

## لینک ثابت مقاله در پایگاه سیویلیکا:

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