

عنوان مقاله:

Detection and Discrimination of *Theileria annulata* and *Theileria lestoquardi* by using a Single PCR

محل انتشار:

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خلاصه مقاله:

The aim of this study was to detect and differentiate *Theileria annulata* and *T. lestoquardi* (hirci) by PCR. Members of the genus *Theileria* are tick-borne hemoprotozoan parasites those cause fatal and enervating diseases of cattle and sheep in Iran . In order to develop a specific method for detecting and identification of *Theileria* species, specific primers from the surface protein (SP) sequence were designed that allowed the specific diagnosis of *T. annulata* and *T. lestoquardi* infection simultaneously. *Theileria* surface protein genes have consensus and variable sequences regions that allowed us to design the common primers for both species, which amplified two different PCR products. The results of this study demonstrated that a novel, simple, and high specific PCR for detecting and identifying *T. annulata* and *T. lestoquardi* infection.

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1868965>

