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qPCR and HRM-based diagnosis of SNPs on growth differentiation factor 9 (*GDF9*), a gene associated with sheep (*Ovis aries*) prolificacy

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Abstract

Prolificacy is a desirable trait for genetic improvement of sheep flocks, since it holds the potential to improve productivity. Animals carrying single-nucleotide polymorphisms (SNPs) in genes associated with this trait can be identified and employed to increase prolificacy in flocks. In this study, we report a diagnostic method based on quantitative PCR