

Aug 17, 2019

PCR-based assay for genotyping of the slick mutation in cattle

DOI

dx.doi.org/10.17504/protocols.io.6kxhcxn



Elizabeth Jannaman¹, M. Sofia Ortega², Tad S. Sonstegard³, Peter J Hansen¹

¹University of Florida; ²University of Missouri - Columbia; ³Recombinetics, Inc.

University of Florida Bovine Embryo Lab
Tech. support email: hansen@animal.ufl.edu



Peter J Hansen

University of Florida

OPEN ACCESS



DOI: dx.doi.org/10.17504/protocols.io.6kxhcxn

External link: https://animal.ifas.ufl.edu/hansen/lab_protocol_docs/SLICK.pdf

Protocol Citation: Elizabeth Jannaman, M. Sofia Ortega, Tad S. Sonstegard, Peter J Hansen 2019. PCR-based assay for genotyping of the slick mutation in cattle. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.6kxhcxn>

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Protocol status: Working

We use this protocol and it's working

Created: August 17, 2019

Last Modified: August 17, 2019

Protocol Integer ID: 26999

Keywords: slick mutation, prolactin, genotyping



Abstract

Several mutations exist in the prolactin receptor gene (PRLR) of cattle that cause a short, sleek hair coat.. The mutation is dominant so slick-haired cattle can have either one or two copies of the mutation. The assay described here detects the most-well studied mutation (SLICK1) that causes translation of a truncated PRLR of 461 amino acids. Originally described in Senepol cattle, this mutation has also been introduced into Holsteins in Puerto Rico, Florida and elsewhere. Note that the assay will not detect other mutations in PRLR that also cause the slick phenotype.

Attachments



[SLICK.pdf](#)

174KB



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