

## Accepted Manuscript

Title: Carcass and commercial cut yield of Santa Ines sheep affected by polymorphisms of the *LEP* gene

Authors: Ariana Nascimento Meira, Gabriel Costa Monteiro Moreira, Luiz Lehmann Coutinho, Gerson Barreto Mourão, Hymerson Costa Azevedo, Evandro Neves Muniz, Alessandro Lima Machado, Luís Paulo Souza Junior, Victor Breno Pedrosa, Luís Fernando Batista Pinto



PII: S0921-4488(18)30536-4  
DOI: <https://doi.org/10.1016/j.smallrumres.2018.06.012>  
Reference: RUMIN 5696

To appear in: *Small Ruminant Research*

Received date: 22-9-2017  
Revised date: 27-3-2018  
Accepted date: 20-6-2018

Please cite this article as: Meira AN, Moreira GCM, Coutinho LL, Mourão GB, Azevedo HC, Muniz EN, Machado AL, Souza LP, Pedrosa VB, Pinto LFB, Carcass and commercial cut yield of Santa Ines sheep affected by polymorphisms of the *LEP* gene, *Small Ruminant Research* (2018), <https://doi.org/10.1016/j.smallrumres.2018.06.012>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## **Carcass and commercial cut yield of Santa Ines sheep affected by polymorphisms of the *LEP* gene**

Ariana Nascimento Meira<sup>1</sup>, Gabriel Costa Monteiro Moreira<sup>2</sup>, Luiz Lehmann Coutinho<sup>2</sup>, Gerson Barreto Mourão<sup>2</sup>, Hymerson Costa Azevedo<sup>3</sup>, Evandro Neves Muniz<sup>3</sup>, Alessandro Lima Machado<sup>1</sup>, Luís Paulo Souza Junior<sup>1</sup>, Victor Breno Pedrosa<sup>4</sup>, Luís Fernando Batista Pinto<sup>1\*</sup>

<sup>1</sup>Universidade Federal da Bahia, Av. Adhemar de Barros, 500, Ondina – Salvador, BA, 40170-110, Brazil.

<sup>2</sup>Universidade de São Paulo, Av. Pádua Dias, 11, Agronomia - Piracicaba, SP, 13635-900, Brazil.

<sup>3</sup>Embrapa Tabuleiros Costeiros, Av. Beira Mar, nº 3.250, Jardins - Aracaju, SE, 49025-040, Brazil.

<sup>4</sup>Universidade Estadual de Ponta Grossa. Av. General Carlos Cavalcanti, 4748, Uvaranas, Ponta Grossa, PR – Brazil, 84030-900.

\*Corresponding author: Luís Fernando Batista Pinto. Email: [luisfbp@gmail.com](mailto:luisfbp@gmail.com)

### **Highlights**

- A 2,045-bp of *LEP* gene was sequenced, and 21 polymorphisms were identified in this fragment. Of these, nine mutations are novel polymorphisms in sheep.
- Single-locus analysis revealed eight suggestive association and one significant association at Bonferroni level.
- Haplotype analysis confirmed single-locus results and revealed additional effect on several carcass traits including hot and cold carcass yield.

Download English Version:

<https://daneshyari.com/en/article/8504104>

Download Persian Version:

<https://daneshyari.com/article/8504104>

[Daneshyari.com](https://daneshyari.com)