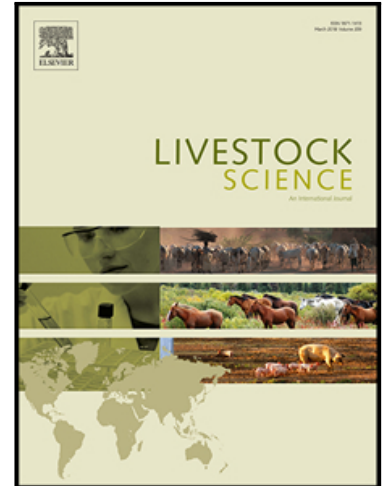


Accepted Manuscript

Genetic analysis of morphological and functional traits in Campolina horses using Bayesian multi-trait model



Fernando de Oliveira Bussiman , Bruno da Costa Perez ,
Ricardo Vieira Ventura , Fabyano Fonseca e Silva ,
Maria Gabriela Campolina Diniz Peixoto ,
Rafael Guimarães Vizoná , Elisângela Chicaroni Mattos ,
José Bento Sterman Ferraz , Joanir Pereira Eler ,
Rogério Abdallah Curi , Júlio Cesar de Carvalho Balieiro

PII: S1871-1413(18)30229-4
DOI: <https://doi.org/10.1016/j.livsci.2018.08.002>
Reference: LIVSCI 3508

To appear in: *Livestock Science*

Received date: 12 April 2018
Revised date: 3 August 2018
Accepted date: 6 August 2018

Please cite this article as: Fernando de Oliveira Bussiman , Bruno da Costa Perez , Ricardo Vieira Ventura , Fabyano Fonseca e Silva , Maria Gabriela Campolina Diniz Peixoto , Rafael Guimarães Vizoná , Elisângela Chicaroni Mattos , José Bento Sterman Ferraz , Joanir Pereira Eler , Rogério Abdallah Curi , Júlio Cesar de Carvalho Balieiro , Genetic analysis of morphological and functional traits in Campolina horses using Bayesian multi-trait model, *Livestock Science* (2018), doi: <https://doi.org/10.1016/j.livsci.2018.08.002>

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.

HIGHLIGHTS

- Genetic correlations between morphological traits are very high
- Gait has a negative relationship with morphology on Campolina horses
- Multitrait-models for gait lead to more prediction accuracy on young animals
- There is a sufficient amount of genetic variance for selection
- Multi-trait models could be useful for prediction for gait on horses

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/8501837>

Download Persian Version:

<https://daneshyari.com/article/8501837>

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