## Accepted Manuscript

Transcriptional abundance of type-1 endocannabinoid receptor (CB1) and fatty acid amide hydrolase (FAAH) in bull spermatozoa: Relationship with field fertility

Vimlesh Kumar, Arumugam Kumaresan, Pradeep Nag, Puneeth Kumar, Tirtha Kumar Datta, Rubina Kumari Baithalu, Tushar Kumar Mohanty

PII: S0093-691X(18)30142-0

DOI: 10.1016/j.theriogenology.2018.04.001

Reference: THE 14505

To appear in: Theriogenology

Received Date: 23 October 2017

Revised Date: 31 March 2018

Accepted Date: 3 April 2018

Please cite this article as: Kumar V, Kumaresan A, Nag P, Kumar P, Datta TK, Baithalu RK, Mohanty TK, Transcriptional abundance of type-1 endocannabinoid receptor (CB1) and fatty acid amide hydrolase (FAAH) in bull spermatozoa: Relationship with field fertility, *Theriogenology* (2018), doi: 10.1016/j.theriogenology.2018.04.001.

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.



Transcriptional abundance of type-1 endocannabinoid receptor (CB1) and fatty acid

amide hydrolase (FAAH) in bull spermatozoa: Relationship with field fertility

## **Revised Clean**

4

6

8

10

12

Vimlesh Kumar <sup>a</sup> , Arumugam Kumaresan <sup>ad</sup> , Pradeep Nag B.S <sup>a</sup> , Puneeth Kumar D.S <sup>c</sup> , Tirtha
Kumar Datta <sup>b</sup> , Rubina Kumari Baithalu <sup>a</sup> , Tushar Kumar Mohanty <sup>c</sup>
<sup>a</sup> Theriogenology Lab, Animal Reproduction, Gynaecology& Obstetrics, ICAR-National
Dairy Research Institute, Karnal-132001, Haryana, India
<sup>b</sup> Animal Biotechnology Centre, ICAR-National Dairy Research Institute, Karnal-132001,
Haryana, India
<sup>c</sup> Artificial Breeding Research Centre, ICAR-National Dairy Research Institute, Karnal-

14 132001, Haryana, India

<sup>d</sup>Corresponding address: Theriogenology Lab, Southern Regional Station, ICAR-National

Dairy Research Institute, Adugodi, Bengaluru – 560 030 Karnataka
E-mail: <u>ogkumaresan@gmail.com</u>; <u>A.Kumaresan@icar.gov.in</u>

18

Running Title: Endocannabinoid system in bull spermatozoa

20

Download English Version:

## https://daneshyari.com/en/article/8427134

Download Persian Version:

https://daneshyari.com/article/8427134

Daneshyari.com