

## Accepted Manuscript

Title: Effects of energy and protein restriction on digestion and absorption in the gastrointestinal tract of Liuyang Black kids

Authors: Z.H. Sun, Z.X. He, Z.L. Tan, S.M. Liu, Q.L. Zhang, X.F. Han, S.X. Tang, C.S. Zhou, M. Wang



PII: S0921-4488(17)30182-7  
DOI: <http://dx.doi.org/doi:10.1016/j.smallrumres.2017.06.023>  
Reference: RUMIN 5515

To appear in: *Small Ruminant Research*

Received date: 15-3-2017  
Revised date: 27-6-2017  
Accepted date: 29-6-2017

Please cite this article as: Sun, Z.H., He, Z.X., Tan, Z.L., Liu, S.M., Zhang, Q.L., Han, X.F., Tang, S.X., Zhou, C.S., Wang, M., Effects of energy and protein restriction on digestion and absorption in the gastrointestinal tract of Liuyang Black kids. *Small Ruminant Research* <http://dx.doi.org/10.1016/j.smallrumres.2017.06.023>

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.

Running title: Digestion and absorption after nutrient restriction

Effects of energy and protein restriction on digestion and absorption in the gastrointestinal tract of Liuyang Black kids

Z.H. Sun <sup>a,b</sup>, Z.X. He <sup>b</sup>, Z.L. Tan <sup>b,\*</sup>, S.M. Liu <sup>c</sup>, Q.L. Zhang <sup>d</sup>, X.F. Han <sup>b</sup>, S.X. Tang <sup>b</sup>,  
C.S. Zhou <sup>b</sup>, M. Wang<sup>b</sup>

<sup>a</sup> *Laboratory for Bio-feed and Molecular Nutrition, Southwest University, Chongqing 400715, P. R. China*

<sup>b</sup> *Key Laboratory of Agro-ecological Processes in Subtropical Region, The Chinese Academy of Sciences, Changsha P.O. Box 10, Hunan 410125, P. R. China*

<sup>c</sup> *Institute of Agriculture, the University of Western Australia, Crawley WA 6009, Australia*

<sup>d</sup> *College of Animal Sciences and Technology, Southwest University, Chongqing 400715, P. R. China*

\* Corresponding author. Tel.: +86 731 84612685; fax: +86 731 84612685.

E-mail address: zltan@isa.ac.cn (Z.L. Tan).

Download English Version:

<https://daneshyari.com/en/article/5544209>

Download Persian Version:

<https://daneshyari.com/article/5544209>

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