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Authors: P. Del Bianco Benedeti, E. Detmann, H.C. Mantovani, S.F.M. Bonilha, N.V.L. Serão, D.R.G. Lopes, W. Silva, C.J. Newbold, M.S. Duarte



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**Nellore bulls (*Bos taurus indicus*) with high residual feed intake have increased the expression of genes involved in oxidative phosphorylation in rumen epithelium**

P. Del Bianco Benedeti<sup>a,\*</sup>, E. Detmann<sup>a</sup>, H. C. Mantovani<sup>b</sup>, S. F. M. Bonilha<sup>c</sup>, N. V. L. Serão<sup>d</sup>, D. R. G. Lopes<sup>b</sup>, W. Silva<sup>a</sup>, C. J. Newbold<sup>e</sup>, M. S. Duarte<sup>a\*</sup>

<sup>a</sup>Department of Animal Sciences, Universidade Federal de Viçosa, Viçosa, Minas Gerais, Brazil, 36570-000;

<sup>b</sup>Department of Microbiology, Universidade Federal de Viçosa, Viçosa, Minas Gerais, Brazil, 36570-000;

<sup>c</sup> Centro APTA Bovinos de Corte, Instituto de Zootecnia, Sertãozinho, SP, Brazil, 14160-970;

<sup>d</sup> Department of Animal Science, Iowa State University, Ames, IA, 50011.

<sup>e</sup> Institute of Biological, Environmental & Rural Sciences, Aberystwyth University, United Kingdom, SY23 3AL

\*Corresponding authors: pedrodbb@ufv.br; marcio.duarte@ufv.br. Postal address: Av. P. H. Rolfs, sn, Dep. Zootecnia, Viçosa-MG, Brazil, 36570-900

**Highlights:**

- Differences in residual feed intake may be related with energy expenditure in rumen tissue.
- Expression of oxidative phosphorylation related genes is higher in rumen tissue of less efficient bulls.

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