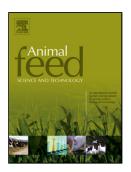
Accepted Manuscript

Title: Supplementation with lipid sources alters the ruminal fermentation and duodenal flow of fatty acids in grazing Nellore steers

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ACCEPTED MANUSCRIPT

1	Running head: Lipids in grazing beef cattle alter rumen metabolism
2	
3	Supplementation with lipid sources alters the ruminal fermentation and duodenal
4	flow of fatty acids in grazing Nellore steers
5	
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23	
24	Abstract
25	Lipid supplementation may adversely affect rumen fermentation, microbial abundance,
26	nutrient utilization and the duodenal flow of fatty acids (FA). In a 5 \times 5 Latin square
27	design, 10 Nellore steers with ruminal and duodenal cannulas (292 \pm 28 kg BW) were fed
28	one of the five following dietary lipid sources in the concentrate, as follow: (1) no
29	additional fat (WF): (2) palm oil (PO) derived from the Palmaceae plant Orbignya

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