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Title: Comparison of the *in vitro* efficiency of supplementary bee propolis extracts of different origin in enhancing the ruminal degradability of organic matter and mitigating the formation of methane

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1 **Highlights**

- 2 • Chemical composition of propolis extracts from different origin largely differed.
- 3 • Still the effects of propolis extracts on ruminal fermentation were similar.
- 4 • Propolis extracts have a different mode of action than monensin.
- 5 • Propolis extracts may be used as a natural additive to modify ruminal fermentation.
- 6

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