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Title: Rapid detection of equine coronavirus by reverse transcription loop-mediated isothermal amplification

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1 **Highlights**

- 2 ● An RT-LAMP assay was developed for detection of equine coronavirus
- 3 ● The RT-LAMP assay was more sensitive than conventional RT-PCR
- 4 ● Quantitative RT-PCR was more sensitive than RT-LAMP
- 5 ● RT-LAMP allows for rapid and simple detection of equine coronavirus

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