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A Novel TaqMan® assay for *Nosema ceranae* quantification in honey bee, based on the protein coding gene *Hsp70*

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Abstract

Nosema ceranae is now a widespread honey bee pathogen with high incidence in apiculture. Rapid and reliable detection and quantification methods are a matter of concern for research community, nowadays mainly relying on the use of biomolecular techniques such as PCR, RT-PCR or HRMA. The aim of this technical paper is to provide a new qPCR assay, based on the highly-conserved protein coding gene *Hsp70*, to detect and quantify the microsporidian *Nosema ceranae* affecting the western honey

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