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Authors: Giovanni Cilia, Riccardo Cabbri, Giacomo Maiorana, Ilaria Cardaio, Raffaele Dall'Olio, Antonio Nanetti

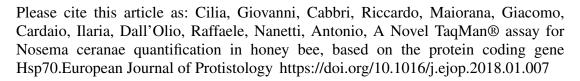
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A Novel TaqMan® assay for Nosema ceranae quantification

in honey bee, based on the protein coding gene Hsp70

Giovanni Cilia^{a*#}, Riccardo Cabbri^{a,b*}, Giacomo Maiorana^b, Ilaria Cardaio^a, Raffaele

Dall'Olio^a, Antonio Nanetti^a

^aCREA-AA, Consiglio per la ricerca in Agricoltura e l'analisi dell'economia agraria,

Centro di Ricerca Agricoltura e Ambiente, Via di Saliceto 80 - 40128 Bologna, Italy

^bDepartment of Veterinary Medical Sciences, University of Bologna, Via Tolara di

sopra 50, Ozzano del'Emilia, Bologna, Italy

* These Authors contributed equally to the study.

Corresponding author: giovanni.cilia@crea.gov.it

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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