

Supplementary Materials: Essential Oils Modulate Gene Expression and Ochratoxin A Production in *Aspergillus carbonarius*

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1. Choice of a Suitable Reference Gene for the Gene Expression Study

In order to appropriately choose a reference gene for this study, β -tubulin, calmodulin, cytochrome *c* oxidase subunit V (*cox5*), 18S, actin (*actin1*) and glyceraldehydes 3-phosphate dehydrogenase (*gdpA*) genes were tested using the GeNorm software (version 3.0, 2014, Biogazelle, Ghent, Belgium). Results showed that β -tubulin (geNorm $M = 0.2$) and the actin (geNorm $M = 0.24$) genes displayed a higher stability regardless the cultures conditions, and can be successfully used in our study as reference genes (Figure S1). For this reason, β -tubulin was selected as the reference gene.

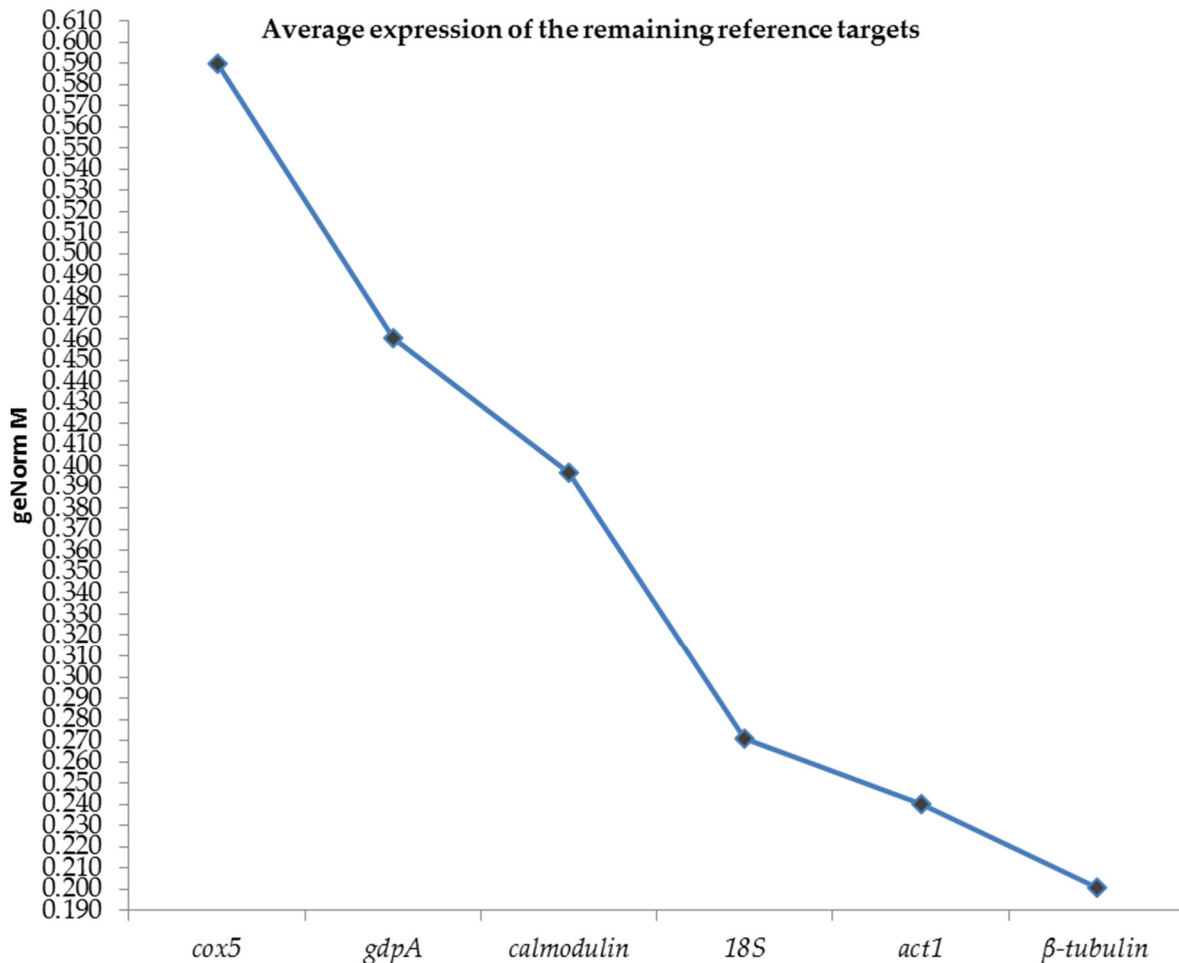


Figure S1. Genorm M value of the six candidate reference genes: β -tubulin, calmodulin, cytochrome *c* oxidase subunit V (*cox5*), 18S, actin (*actin1*) and glyceraldehydes 3-phosphate dehydrogenase (*gdpA*). The most stable gene is the one with the lowest M value.