Reviewer's report

Title: MDR1 overexpression combined with ERG11 mutations induce high-level fluconazole resistance in Candida tropicalis clinical isolates

Version: 1 Date: 29 Jan 2018

Reviewer: Francesco Barchiesi

Reviewer's report:

The manuscript by Longyang Jin et al., analyzes the molecular mechanisms of fluconazole resistance among clinical isolates of Candida tropicalis. They found that MDR1 overexpression combined with ERG11 mutations induce high-level fluconazole resistance. The content of the manuscript is of interest to readers of BMC Infec. Dis. and the paper merits to be published. Only one comment concerning an issue that the authors probably would briefly talk about in their discussion. It should be very interesting (as more correct from a molecular point of view) to add some experiment of mutagenesis in which single / double mutations Y132F and S154F would be inserted into wild-type isolate to see the effects on phenotypes.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
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Yes

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Not relevant to this manuscript
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Acceptable

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