

Review of: "Complex and critical roles for the AtrR transcription factor in control of cyp51A 2 expression in *Aspergillus fumigatus*"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

Title: **Complex and critical roles for the AtrR transcription factor in control of cyp51A expression in *Aspergillus fumigatus***

Aspergillus is a filamentous fungus commonly found in the environment and may cause several clinical manifestations according to the immunological host status. *Aspergillus* species cryptic are emerging and parallelly to an increase of antifungal resistance, mainly triazole drugs. The authors demonstrate that both the SrbA (sterol response element: SRE) and AtrR binding sites (AtrR response element: ATRE) are required for normal cyp51A gene expression. Loss of either the SRE or ATRE from the distal 34 bp repeat of the TR34 promoter (further 5' from the transcription start site) caused loss of expression of cyp51A and decreased voriconazole resistance. The manuscript is very relevant.

I have minor considerations:

Put the border in Tables 1 and 2.

In my opinion, the figures must be self-explanatory. Thun the authors must put the meaning of the acronyms, e.g., mpSRE, mdATR, mHxre.