Reviewer’s report

Title: The Anti-Alergic Activity of Cymbopogon citratus is Mediated Via Inhibition of Nuclear Factor Kappa B (Nf-Kappab) Activation

Version: 2  Date: 11 October 2014

Reviewer: Bernhard Ryffel

Reviewer’s report:

The authors demonstrate that oral administration of the plant Cy hexane extract reduced eosinophil recruitment in BAL and lung, reduce allergic inflammation and mucus production, IL-4 in BAL and the nuclear expression of NF-κB.

The contribution is interesting but the following issues should be addressed:

1. The abstract should mention the dose effect on the parameters evaluated and address all the data. Please explain why lower doses are more efficacious!
2. Analytical data of the Cy extract should be given.
3. The experimental Bt immunisation and challenge protocol and the plant gavage should be given schematically.
4. The microscopic data in Fig 5, 6 and 8 should be quantified by a score.
5. The WB data Fig 7 should be quantified by densitometry.
6. Please correct the title “Anti-Allergic”

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

No competing interests