Reviewer's report

Title: Estrogen receptor alpha and aryl hydrocarbon receptor independent growth inhibitory effects of aminoflavone in breast cancer cells

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Reviewer: Jonna Frasor

Reviewer's report:

In the manuscript "Estrogen receptor alpha and aryl hydrocarbon receptor independent growth inhibitory effects of aminoflavone in breast cancer cells", Brinkman et al. present convincing evidence that two previously suggested mediators of aminoflavone action may not be appropriate biomarkers for breast cancer cell sensitivity to the compound. Overall, the manuscript is well written, the studies are well conducted, and the results convincing.

Minor essential revision - the number of replicates conducted and statistical analysis should be presented for each figure, especially Fig. 5 and 6.

Discretionary revision - It would be useful to have a comparison of AhR protein levels in the different cell lines described.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

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

Declaration of competing interests:

I declare that I have no competing interests.