



RETRACTED ARTICLE: Expression and preliminary characterization of the potential vaccine candidate LipL32 of leptospirosis

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The Editor-in-Chief and the publisher have retracted this article. The article was submitted to be part of a guest-edited issue. An investigation by the publisher found a number of articles, including this one, with a number of concerns, including but not limited to compromised editorial handling and peer review process, inappropriate or irrelevant references or not being in scope of the journal or guest-edited issue. Based on the investigation's findings the Editor-in-Chief therefore no longer has confidence in the results and conclusions of this article.

The authors Pothiaraj Govindan, Vijayakumar Natesan and Harshavardhan Shakila disagree with this retraction. The authors Packiyadass Manjusha, Konda Mani Saravanan,

Saleh H. Salmen, Saleh Alfarraj and Milton Wainwright have not responded to correspondence regarding this retraction.

The online version of this article contains the full text of the retracted article as Supplementary Information.

Supplementary Information The online version contains supplementary material available at <https://doi.org/10.1007/s13204-021-02097-8>.

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