

RETRACTION

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Retraction: Targeting gut microbiota-derived butyrate improves hepatic gluconeogenesis through the cAMP-PKA-GCN5 pathway in late pregnant sows

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Retraction of 'Targeting gut microbiota-derived butyrate improves hepatic gluconeogenesis through the cAMP-PKA-GCN5 pathway in late pregnant sows' by Longshan Qin *et al.*, *Food Funct.*, 2022, **13**, 4360–4374, <https://doi.org/10.1039/D2FO00094F>.

The Royal Society of Chemistry hereby wholly retracts this *Food & Function* article due to concerns with the reliability of the data.

We have been alerted to an investigation into this paper and others by the author group, which found that the data described does not match the original data, and there is a problem of data tampering.¹

The authors have not responded to any correspondence.

Given the significance of these concerns, the findings presented in this paper are no longer reliable.

Signed: Philippa Ross, Executive Editor, *Food & Function*

Date: 24th July 2025

References

- <https://www.nsf.gov.cn/publish/portal0/jd/04/info93663.htm>.

