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Vaccination of cattle with a high dose of BCG vaccine 3 weeks after experimental infection with *Mycobacterium bovis* increased the inflammatory response, but not tuberculous pathology

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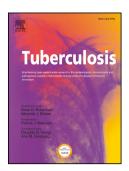
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1 Vaccination of cattle with a high dose of BCG vaccine 3 weeks after experimental 2 infection with Mycobacterium bovis increased the inflammatory response, but not 3 tuberculous pathology 4 5 Bryce M. Buddle^a*, Dairu Shu^a, Natalie A. Parlane^a, Supatsak Subharat^a, Axel Heiser^a, R. 6 Glyn Hewinson^b, H. Martin Vordermeier^b and D. Neil Wedlock^a 7 ^a AgResearch, Hopkirk Research Institute, Grasslands Research Centre, Palmerston North 8 9 4442, New Zealand ^b TB Research Group, Animal and Plant Health Agency, New Haw, Addlestone, Surrey 10 11 KT15 3NB, United Kingdom 12 13 14 * Author for correspondence. AgResearch, Hopkirk Research Institute, Grasslands 15 Research Centre, Private Bag 11008, Palmerston North 4442, New Zealand. Tel.: +64 6 16 3518679. 17 18 Running title: Effect of BCG vaccination post-M. bovis challenge 19 E-mail addresses: bryce.buddle@agresearch.co.nz (B.M. Buddle), 20 dairu.shu@agresearch.co.nz (D.Shu), natalie.parlane@agresearch.co.nz (N.A. Parlane), 21 art.subharat@agresearch.co.nz (S. Subharat), axel.heiser@agresearch.co.nz (A. Heiser), 22 glyn.hewinson@apha.gsi.gov.uk (R.G. Hewinson), martin.vordermeier@apha.gsi.gov.uk 23 H.M. Vordermeier, neil.wedlock@agresearch.co.nz Wedlock) (D.N.

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