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Dairy Production Practices and Associated Risks for Bovine Vaccinia Exposure in Cattle, Brazil

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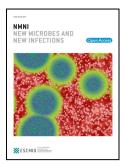
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Dairy Production Practices and Associated Risks for Bovine Vaccinia Exposure in Cattle, 1 **Brazil** 2 3 Running title: Dairy Production and Bovine Vaccinia 4 5 6 **Authors and affiliations:** Iara A. Borges¹*, Andrea M. McCollum², Jason M. Mehal³, Dana Haberling³, Lara Ambrósio L. 7 Dutra^{1#}, Flávia N. Vieira⁴, Luis A. O. Andrade¹, Erna G. Kroon¹, Robert C. Holman³, Mary G. 8 Reynolds², Giliane S. Trindade^{1*} 9 10 11 Corresponding authors: borges2805@gmail.com; giliane@icb.ufmg.br 12 13 ¹Departamento de Microbiologia, Universidade Federal de Minas Gerais, Brazil 14 ²Poxvirus and RabiesBranch, Centers for Disease Control and Prevention, USA 15 ³Centers for Disease Control and Prevention, USA 16 ⁴Departamento de Biologia Geral, Universidade Federal de Minas Gerais, Brazil 17 18 # Lara Ambrósio Leal Dutra current address: Department of Biological and Environmental Sciences, 19 University of Jyvaskyla, Jyvaskyla, Finland 20 Key words: vaccinia, orthopoxvirus, bovine vaccinia, cowpox, risk factor, epidemiology, dairy, 21 bovine 22 23 24

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