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*mcr-1* is borne by highly diverse *Escherichia coli* isolates since 2004 in food-producing animals in Europe

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## ACCEPTED MANUSCRIPT

1 mcr-1 is borne by highly diverse Escherichia coli isolates since 2004 in food-producing animals 2 in Europe Farid EL GARCH<sup>1\*</sup>, Marlène SAUGET<sup>2,3</sup>, Didier HOCQUET<sup>2,3</sup>, David LECHAUDEE<sup>1</sup>, Frédérique 3 WOEHRLE<sup>1</sup>, Xavier BERTRAND<sup>2,3</sup> 4 5 <sup>1</sup> Vétoquinol SA, Global Drug Development Center, 70204 Lure, France <sup>2</sup> Service d'hygiène hospitalière, CHRU Jean Minjoz, 25030 Besançon, France 6 <sup>3</sup> UMR 6249 CNRS Chrono-environnement, Université de Franche-Comté, 25000 Besançon, 7 8 France. 9 10 \* Corresponding author 11 Tel: (33) 3 84 62 56 41 - Fax: (33) 3 84 62 55 00 12 E-mail: farid.elgarch@vetoquinol.com 13 14 15 Key words: MCR-1, colistin, food-producing animals, Escherichia coli, Salmonella spp. 16 Running title: MCR-1 detection in European food-producing animals

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