

1 **Occurrence of antimicrobial resistance and class 1 integrons in *Staphylococcus***
 2 ***aureus* isolated from bovine mastitis in China**
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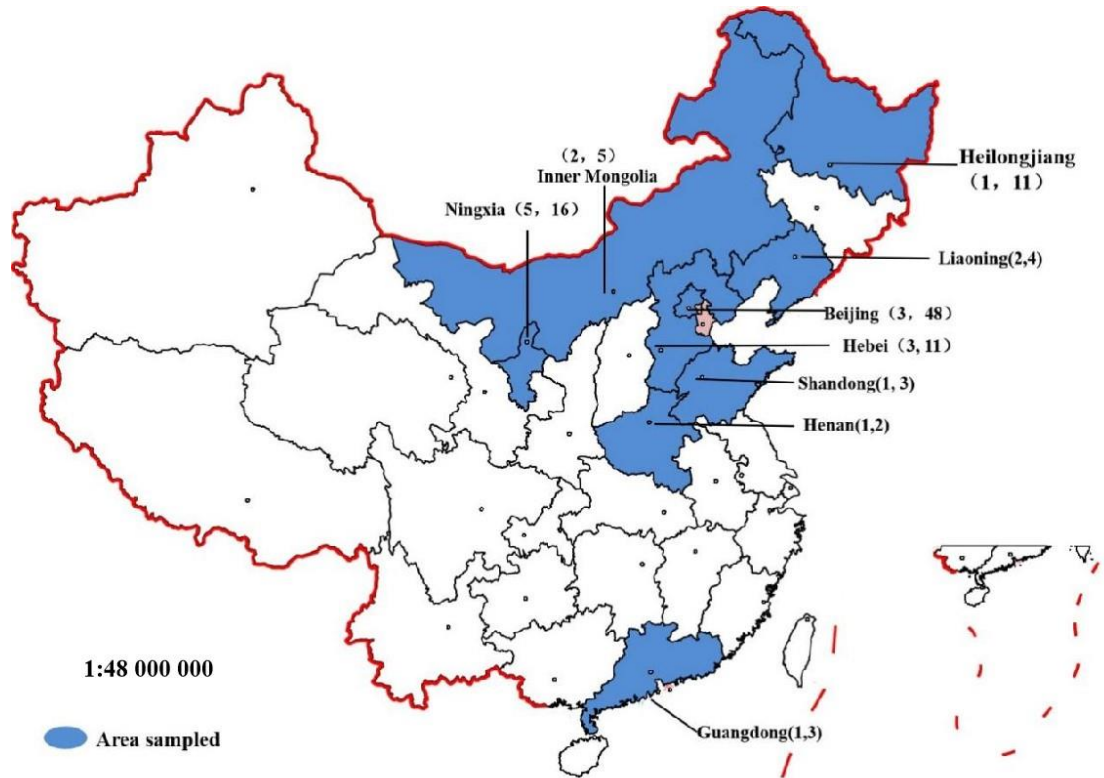
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7 **SUPPLEMENTARY FILE**

8 **Supplementary Table S1** Primers used in this study.

Gene target	Primer's sequence (5' to 3')	Reference
intI 1	F: CAGTGGACATAAGCCTGTTC R: CCCGAGGCATAGACTGTA	This study
intI 2	F: TTATTGCTGGGATTAGGC R: ACGGCTACCCTCTGTTATC	Goldstein C et al. (2001)
3CS5CS	F: GGCATCCAAGCAGCAAG R: AAGCAGACTTGACCTGA	Lévesque et al. (1995)
<i>mecA</i>	F: TCCAGATTACAACCTTCACCAGG R: CCACTTCATATCTTGTAACG	Sallam KI et al. (2015)
<i>tetK</i>	F: GTAGGATCTGCTGCATTCCC R: CACTATTACCTATTGTCGC	
<i>tetL</i>	F: GGATCGATAGTAGCCATGGG R: GTATCCCACCAATGTAGCCG	Marosevic D et al. (2017)
<i>tetD</i>	F: ATTACACTGCTGGACGCGAT R: CTGATCAGCAGACAGATTGC	
<i>aacA-aphD</i>	F: GAAGTACGCAGAAGAGA R: ACATGGCAAGCTCTAGGA	Khosravi AD et al. (2014)
<i>aadA1/A2</i>	F: GCAGCGCAATGACATTCTTG R: ATCCTTCGGCGCGATTTTG	
<i>aadD</i>	F: CAAACCTGCTAAATCGGTAGAAGCC R: GGAAAGTTGACCAGACATTACGA ACT	Nakaminami H et al. (2017)
<i>aphA3</i>	F: GGCTAAAATGAGAATATCACCGG R: CTTTAAAAAATCATACAGCTCGCG	

<i>ermT</i>	F: ATTGGTTCAGGGAAAGGTCA R: GCTTGATAAAATTGGTTTTTGGA F:	
<i>ermB</i>	CTATCTCATTGTTGAAGAAGGATT R: GTTTACTCTTGGTTTAGGATGAAA	
<i>ermC</i>	F: CTTGTTGATCACGATAATTTCC R: ATCTTTTAGCAAACCCGTATTC	Jaglic Z et al. (2012)
<i>blaZ</i>	F: ACTTCAACACCTGCTGCTTTC R: TGACCACTTTTATCAGCAACC F: GGTGGCTGGGGGGTAGATGTATTA ACTGG	Giacinti G et al. (2017)
<i>lnuA</i>	R: GCTTCTTTTGAAATACATGGTATTT TTCGA	Szczuka E et al. (2016)



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11 **Supplementary Figure S1** Map showing the provinces/regions sampled for
 12 *Staphylococcus aureus* in the current study.

13 The first number in parentheses refers to the number of herds in the area where the
 14 sample was collected, and the second number refers to the number of *Staphylococcus*
 15 *aureus* strains isolated in this area.

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