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Genetic Characterization of *Staphylococcus aureus* isolates causing bloodstream infections in Austria

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## ACCEPTED MANUSCRIPT

Running title: S. aureus bloodstream infections in Austria 2 Genetic Characterization of Staphylococcus aureus isolates 3 causing bloodstream infections in Austria 5 6 7 Josefa LUXNER a, Gernot ZARFELa, Sophia JOHLERb, Gebhard FEIERLa, Eva LEITNERa, 8 Martin HOENIGL<sup>c</sup>, Andrea J. GRISOLD<sup>a\*</sup> 9 10 11 <sup>a</sup>Institute of Hygiene, Microbiology and Environmental Medicine, Medical University of Graz, 12 Austria 13 <sup>b</sup> Institute for Food Safety and Hygiene, Vetsuisse Faculty University of Zurich, Switzerland 14 <sup>c</sup> Section of Infectious Diseases and Tropical Medicine, Medical University of Graz, Austria 15 16 17 18 19 \*Corresponding author. Mailing address: Institute of Hygiene, Microbiology 20 Environmental Medicine, Medical University of Graz, Universitaetsplatz 4, A- 8010 Graz, 21 Austria. Phone +43(316) 380-4383. Fax +43(316) 380-9650. 22 E-mail: andrea.grisold@medunigraz.at 23 24 **Key words:** Staphylococcus aureus; blood stream infection, spa typing, microarray, virulence 25 genes 26

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