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Author: Sophie Baron, Zineb Leulmi, Claude Villard, Abiola Olumuyiwa Olaitan, Amar A. Telke, Jean-Marc Rolain

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1 **Full-length title:** Inactivation of *arn* operon and loss of aminoarabinose on
2 lipopolysaccharide as the cause of susceptibility to colistin in an atypical clinical isolate of
3 *Proteus vulgaris*.

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5 **Short title (for the running head):** Support for colistin resistance in *Proteus vulgaris*

6 **Author list:** Sophie Baron¹, Zineb Leulmi¹, Claude Villard², Abiola Olumuyiwa Olaitan¹,
7 Amar A. Telke¹, and Jean-Marc Rolain^{1*}

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9 **Affiliations:** ¹ Aix-Marseille Univ., URMITE UM 63 CNRS 7278 IRD 198 INSERM U1905,
10 IHU Méditerranée Infection, Facultés de Médecine et de Pharmacie, 27 boulevard Jean
11 Moulin, 13385 Marseille CEDEX 05, France ; ² Aix-Marseille Université, Plateforme
12 Protéomique et Innovation Technologique, Faculté de Pharmacie 27 boulevard Jean Moulin,
13 13385 Marseille CEDEX 05, France.

14

15 *** Corresponding author:** Jean-Marc ROLAIN, URMITE UM 63 CNRS 7278 IRD 198
16 INSERM U1095, IHU Méditerranée Infection, Faculté de Médecine et de Pharmacie, Aix-
17 Marseille Université, 27 boulevard Jean Moulin, 13385 Marseille CEDEX 05, France. Phone:
18 (33) 4 91 32 43 75. Email: jean-marc.rolain@univ-amu.fr

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20 **Key words:** *Proteus*, colistin, resistance mechanism, aminoarabinose, *arn* operon, lipid A

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