

# References for Important Mutation for Phenotype difference in Staphylococcus aureus 6850

## 1 Section

Introduction: [1], [2].

Methods: [3].

Conclusion: [4], [5], [6], [7], [8].

## 2 References

- [1] Selina Niggli, Lukas Schwyter, Lucy Poveda, Jonas Grossmann, Rolf Kümmerli, Dominique H Limoli, and Jennifer M Bomberger. Rapid and strain-specific resistance evolution of *Staphylococcus aureus* against inhibitory molecules secreted by *Pseudomonas aeruginosa*. *mBio*, 14(5), 10 2023. ISSN 21507511. doi: 10.1128/MBIO.03153-22. URL <https://journals.asm.org/journal/mbio>.
- [2] Irena Pastar, Aron G. Nusbaum, Joel Gil, Shailee B. Patel, Juan Chen, Jose Valdes, Olivera Stojadinovic, Lisa R. Plano, Marjana Tomic-Canic, and Stephen C. Davis. Interactions of methicillin resistant *Staphylococcus aureus* USA300 and *Pseudomonas aeruginosa* in polymicrobial wound infection. *PloS one*, 8(2), 2 2013. ISSN 1932-6203. doi: 10.1371/JOURNAL.PONE.0056846. URL <https://pubmed.ncbi.nlm.nih.gov/23451098/>.
- [3] Yohan Kim, John Sidney, Clemencia Pinilla, Alessandro Sette, and Bjoern Peters. Derivation of an amino acid similarity matrix for peptide:MHC binding and its application as a Bayesian prior. *BMC Bioinformatics*, 10(1):1–11, 11 2009. ISSN 14712105. doi: 10.1186/1471-2105-10-394/TABLES/2. URL <https://bmcbioinformatics.biomedcentral.com/articles/10.1186/1471-2105-10-394>.
- [4] J. M. Griffiths and A. J. O'Neill. Loss of function of the GdpP protein leads to joint  $\beta$ -lactam/ glycopeptide tolerance in *Staphylococcus aureus*. *Antimicrobial Agents and Chemotherapy*, 56(1):579–581, 1 2012. ISSN 00664804. doi: 10.1128/AAC.05148-11. URL <https://journals.asm.org/journal/aac>.
- [5] Vanina Dengler Haunreiter, Andrea Tarnutzer, Julian Bär, Manuela Von Matt, Sanne Hertegonne, Federica Andreoni, Clément Vulin, Lisa Künzi, Carmen Menzi, Patrick Kiefer, Philipp Christen, Julia A Vorholt, Annelies S Zinkernagel, and Brian Conlon. C-di-AMP levels modulate *Staphylococcus aureus* cell wall thickness, response to oxidative stress, and antibiotic resistance and tolerance. 2023. doi: 10.1128/spectrum.02788-23. URL <https://journals.asm.org/journal/spectrum>.
- [6] Clarissa Pozzi, Elaine M Waters, Justine K Rudkin, Carolyn R Schaeffer, Amanda J Lohan, Pin Tong, Brendan J Loftus, Gerald B Pier, Paul D Fey, Ruth C Massey, and James P O'gara. Methicillin Resistance

Alters the Biofilm Phenotype and Attenuates Virulence in *Staphylococcus aureus* Device-Associated Infections. doi: 10.1371/journal.ppat.1002626. URL [www.his.org.uk](http://www.his.org.uk).

- [7] Li Zheng, Meiyang Yan, Frank Fan, Yinduo Ji, and Ji Yinduo. The Essential WalK Histidine Kinase and WalR Regulator Differentially Mediate Autolysis of *Staphylococcus aureus* RN4220 HHS Public Access. *J Nat Sci*, 1(6), 2015.
- [8] Maria Do Carmo De Freire Bastos, Bruna Gonçalves Coutinho, Marcus Lívio, and Varella Coelho. Lysostaphin: A Staphylococcal Bacteriolysin with Potential Clinical Applications. *Pharmaceuticals*, 3:1139–1161, 2010. ISSN 1424-8247. doi: 10.3390/ph3041139. URL [www.mdpi.com/journal/pharmaceuticals](http://www.mdpi.com/journal/pharmaceuticals).