Optimization of treatment protocols to prevent de novo development of antibiotic resistance in Pseudomonas aeruginosa

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Citation for published version (APA):

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Optimization of treatment protocols to prevent *de novo* development of antibiotic resistance in *Pseudomonas aeruginosa*
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ISBN 978-94-028-0344-0

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The work described in this thesis was performed in the group of Molecular Biology and Microbial Food Safety at the Swammerdam Institute of Life Sciences, Faculty of Science, University of Amsterdam, the Netherlands. The research was financially supported by the Chinese Scholarship Council and the Netherlands Food and Consumer Product Safety Authority.

The cover picture, a chess play between Ms. Yanfang Feng and Mr. \textit{Pseudomonas aeruginosa}, was kindly drawn by QianQian Zhang for this thesis. The idea was adapted from Lei Chen and Yan Liang (http://www.eurekalert.org/multimedia/pub/84598.php). This drawing was used to illustrate the resourceful \textit{Pseudomonas aeruginosa} could rapidly come up with the novel solution to survive whenever a new treatment strategy was applied by human being, just like what was shown by the author in this thesis.

Printed by: Ipskamp Drukkers, Enschede, The Netherlands.
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ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor
aan de Universiteit van Amsterdam
op gezag van de Rector Magnificus

Prof. dr. ir. K.I.J. Maex

ten overstaan van een door het College voor Promoties ingestelde commissie,
in het openbaar te verdedigen in de Agnietenkapel

op maandag 31 oktober 2016 te 14:00 uur

door

Yanfang Feng

geboren te Shaanxi, China
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