

## Bonn-Aachen International Center for Information Technology (B-IT) University of Bonn Master Programme in Life Science Informatics

## **Master's Thesis**

## Resolution of Host and Bacterial Fractions of Synthetic Communities in Modeled Phycospheres

Author
Ricardo David Martinez

First Examiner
Prof. Dr. Heiko Schoof

Second Examiner
Prof. Dr. Andreas Weber

Internal Supervisors

Dr. Ruben Garrido-Oter Dr. Jose Flores-Uribe

In collaboration with the Max Planck Institute for Plant Breeding Research (MPIPZ)

Submitted: November 28, 2019

## **ACKNOWLEDGEMENTS**

I would like to thank Dr. Ruben Garrido-Oter and Dr. Jose Flores-Uribe for all their support during this work and graciously hosting me at their facilities. Your feedback, support, and expertise was essential in getting through it all.

I would also like to thank Prof. Dr. Heiko Schoof and Prof. Dr. Andreas Weber for their examination of this Thesis.

To my best friend in the whole world, Nora Herr, I extend my deepest gratitude for being patient and kind and above all, for being my confidant and my rock, during the years that have culminated in this final work. You are appreciated. Thank You!