MASSEY UNIVERSITY
GRADUATE RESEARCH SCHOOL

STATEMENT OF CONTRIBUTION TO DOCTORAL THESIS CONTAINING PUBLICATIONS

(To appear at the end of each thesis chapter/section/appendix submitted as an article/paper or collected as an appendix at the end of the thesis)

We, the candidate and the candidate's Principal Supervisor, certify that all co-authors have consented to their work being included in the thesis and they have accepted the candidate's contribution as indicated below in the *Statement of Originality*.

Name of Candidate: Natalie Parlane

Name/Title of Principal Supervisor: Professor Bernd Rehm

Name of Published Research Output and full reference:

Bacterial polyester inclusions engineered to display vaccine candidate antigens for use as a novel class of safe and efficient vaccine delivery agents.
Parlane, N. A., Wedlock, D. N., Buddle, B. M., & Rehm, B. H. A. (2009). Applied and Environmental Microbiology, 75(24), 7739-7744. doi: 10.1128/aem.01965-09

In which Chapter is the Published Work: 2

Please indicate either:

- The percentage of the Published Work that was contributed by the candidate: 70%

  and / or

- Describe the contribution that the candidate has made to the Published Work:

  All experiments were carried out by Natalie Parlane except for construction of the pCWE SpeI-Ag85A-ESAT-6 and pHAS-Ag85A_ESAT-6 plasmid, which were done by Jessica Koach and Gina Pedersen.

Natalie Parlane — Digitally signed by Natalie Parlane DN: cn=Natalie Parlane, o=AgResearch, ou=Immunology - Infectious Diseases, email=natalie.parlane@agresearch.co.nz, c=NZ Date: 2011.12.02 09:36:46 +13'00'

Candidate's Signature

2/12/2011

Date

Bernd Rehm — Digitally signed by Bernd Rehm DN: cn=Bernd Rehm, o=Massey University, ou=IMBS, email=b.rehm@massey.ac.nz, c=NZ Date: 2011.12.02 11:38:04 +13'00'

Principal Supervisor's signature

2/12/2011

Date