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## Report on Dissertation and Final Examination (Defense) For the Degree of Doctor of Philosophy

Name: Toshua Ballanco

Student Identification No.: 323-80-7240

Department: Chemistry, Chemical Biology,  
and Biomedical Engineering

Major/Concentration: Chemical Biology

### Dissertation Report

Dissertation Title: A Model for the Evolution of Nucleotide Polymerase  
Directionality

Dissertation Advisor: Marc Mansfield

Performance (Check one): ☐ Satisfactory ☐ Satisfactory but Minor Revisions Required ☐ Not Satisfactory

Satisfactory but Minor Revisions Required

Revisions Required: \_\_\_\_\_

Expected Completion Date: \_\_\_\_\_

Not Satisfactory

Reason: \_\_\_\_\_

Revisions Required: \_\_\_\_\_

Expected Completion Date: \_\_\_\_\_

### Final Examination (Defense) Performance

Date of Final Examination: May 9, 2011

Performance (Check one): ☐ Satisfactory ☐ Not Satisfactory

Not Satisfactory

Reason: \_\_\_\_\_

Rescheduled Final Examination Date: \_\_\_\_\_

Advisory Committee Members (Please Print):

Check if present at Final Exam

MARC L. MANSFIELD

CHAIRMAN

Nicholas J. Murgolo

MEMBER

MEMBER

MEMBER

MEMBER

Advisory Committee Members Signatures:

☒

Marc L. Mansfield

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Nicholas J. Murgolo

MEMBER

☐

MEMBER

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MEMBER

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MEMBER

5/9/2011

DATE

5/9/2011

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DATE

DEPARTMENT DIRECTOR SIGNATURE

DATE

DEAN OF GRADUATE ACADEMICS SIGNATURE

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