

THE GRADUATE COLLEGE
WESTERN MICHIGAN UNIVERSITY
KALAMAZOO, MICHIGAN

Date 05/16/2013

WE HEREBY APPROVE THE THESIS SUBMITTED BY

Teresa J. Clark

ENTITLED FUNCTIONAL ANNOTATION, TRANSCRIPTIONAL
CHARACTERIZATION, AND ENZYMATIC CONTRIBUTIONS OF ESSENTIAL AMINO
ACID BIOSYNTHESIS-RELATED GENES

AS PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE

DEGREE OF Master of Science

Biological Sciences
(Department)

Yan Lu

Yan Lu, Ph.D.
Thesis Committee Chair

Biological Sciences
(Program)

Terrell Hodge
Terrell Hodge, Ph.D.
Thesis Committee Member

Pamela Hoppe
Pamela Hoppe, Ph.D.
Thesis Committee Member

Brian Tripp
Brian Tripp, Ph.D.
Thesis Committee Member

APPROVED

Susan O. Stapleton
Dean of The Graduate College

Date June 2013