FLORIDA STATE UNIVERSITY COLLEGE OF ARTS AND SCIENCES

PHYLOGENETIC ANALYSIS: EXPLORATION OF TREESPACE USING PATHTREES AND MULTILOCUS EVOLUTIONARY ANALYSIS WITH PROBABILISTIC TOPIC MODELING

By

MARZIEH KHODAEI

A Dissertation submitted to the Department of Scientific Computing in partial fulfillment of the requirements for the degree of Doctor of Philosophy

2023

The members of the supervisory committee were:	
	Peter Beerli
	Professor Directing Dissertation
	Richard Bertram
	University Representative
	Gordon Erlebacher
	Committee Member
	Sachin Shanbhag
	Committee Member
	Alan Lemmon
	Committee Member

that the dissertation has been approved in accordance with university requirements.