



Student Name Lina Perez Angel Student ID *****

Doctoral Degree in Geology

Thesis Title:

A refinement of biomarker-based tools to study the Pliocene-Pleistocene climate evolution of the northern Tropical Andes

Have you performed research involving human subjects which requires approval from the Institutional Review Board (IRB)? Yes No

IRB Protocol Number _____

Have you used live animals, animal tissue, or observational animal work which requires approval from the Institutional Animal Care and Use Committee (IACUC)? Yes No

IACUC Protocol Number _____

Attach the final copy of thesis/dissertation for committee review. While formatting changes may be requested by the Graduate School, the content of the attached document should be final.



Approvals:

Committee Chair Name Thomas Marchitto

Signature  Date Signed 4/10/2022

Committee Member Name Peter H. Molnar

Signature  Date Signed 4/10/2022

The final copy of this thesis has been examined by the signatories, and we find that both the content and the form meet acceptable presentation standards of scholarly work in the above-mentioned discipline.