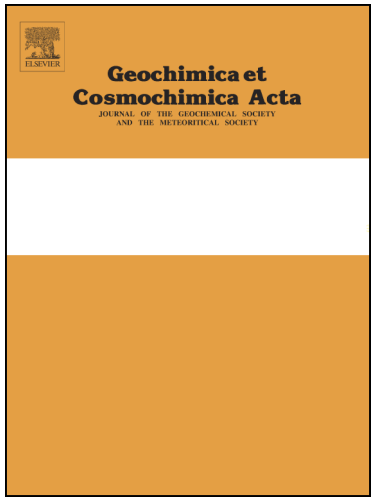

High-resolution nitrogen stable isotope sclerochronology of bivalve shell carbonate-bound organics

David P. Gillikin, Anne Lorrain, Aurélie Jolivet, Zita Kelemen, Laurent Chauvaud, Steven Bouillon

PII: S0016-7037(16)30705-0
DOI: http://dx.doi.org/10.1016/j.gca.2016.12.008
Reference: GCA 10060

To appear in: *Geochimica et Cosmochimica Acta*

Received Date: 16 April 2016
Revised Date: 1 December 2016
Accepted Date: 2 December 2016

Please cite this article as: Gillikin, D.P., Lorrain, A., Jolivet, A., Kelemen, Z., Chauvaud, L., Bouillon, S., High-resolution nitrogen stable isotope sclerochronology of bivalve shell carbonate-bound organics, *Geochimica et Cosmochimica Acta* (2016), doi: http://dx.doi.org/10.1016/j.gca.2016.12.008

High-resolution nitrogen stable isotope sclerochronology of bivalve shell carbonate-bound organics

David P. Gillikin[1], Anne Lorrain[2], Aurélie Jolivet[2,3], Zita Kelemen[4], Laurent Chauvaud[2] and Steven Bouillon[4]

1) Department of Geology, Union College, 807 Union St., Schenectady, NY 12308, USA

2) LEMAR, UMR CNRS/UBO/IRD 6539, Institut Universitaire Européen de la Mer, Place Nicolas Copernic, 29280 Plouzané, France

3) TBM environnement, 115 rue Claude Chappe, Technopole Brest Iroise, F-29280 Plouzané, France

4) Department Earth and Environmental Sciences, KU Leuven, Leuven, Belgium