

SUPPLEMENTARY MATERIAL. PARCHMENT GLUTAMINE INDEX (PQI): A NOVEL METHOD TO ESTIMATE GLUTAMINE DEAMIDATION LEVELS IN PARCHMENT COLLAGEN OBTAINED FROM LOW-QUALITY MALDI-TOF DATA

Bharath Nair^{1,*}, Ismael Rodríguez Palomo², Bo Markussen³, Carsten Wiuf³, Sarah Fiddym², and Matthew Collins^{1,2,*}

¹Globe Institute, Faculty of Health and Medical Sciences, University of Copenhagen, Denmark

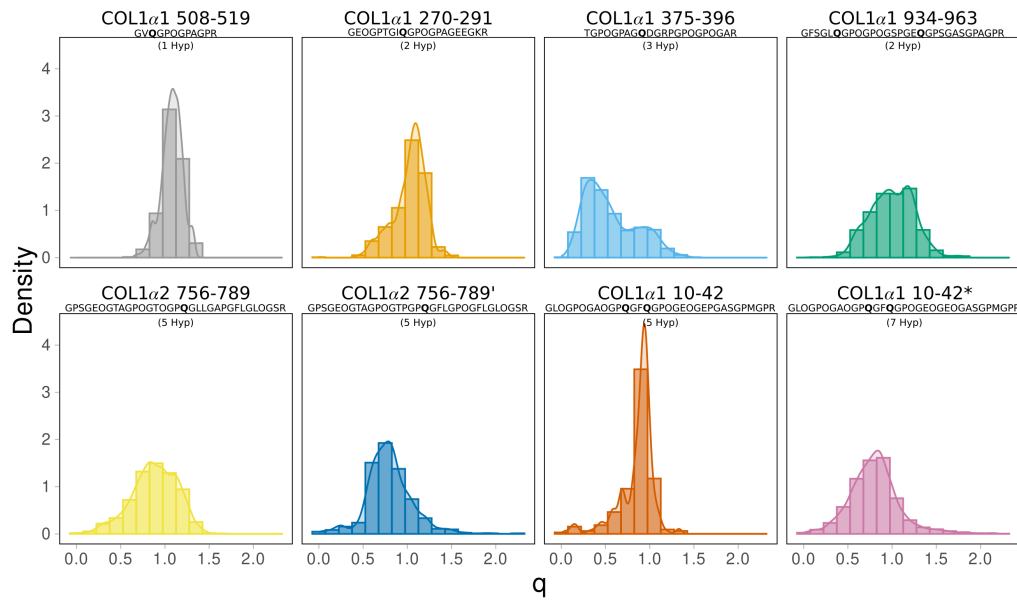
²McDonald Institute for Archaeological Research, University of Cambridge, The United Kingdom

³Department of Mathematical Sciences, University of Copenhagen, Denmark

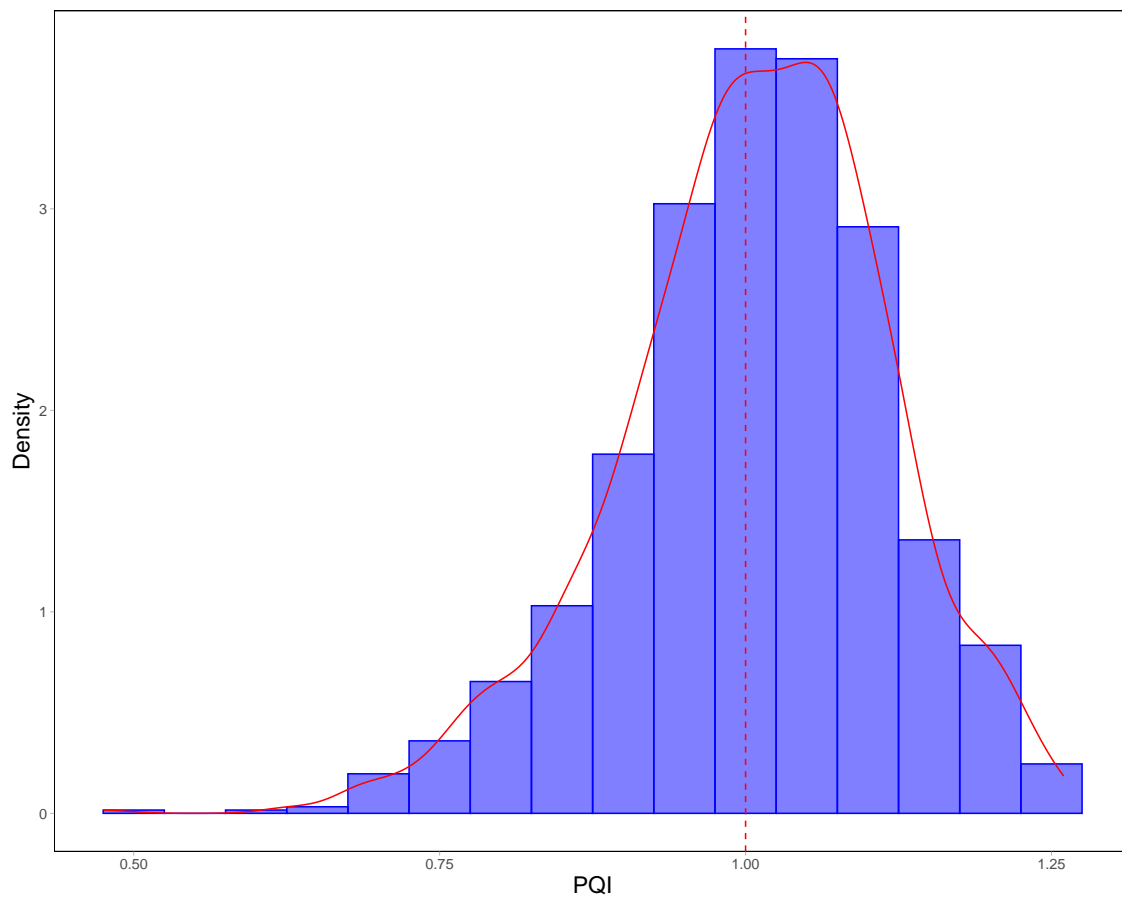
***Corresponding Authors**

Bharath Nair
Globe Institute
University of Copenhagen
Denmark
email: bharath@palaeome.org

Matthew Collins
Globe Institute, Faculty of Health and Medical Sciences,
University of Copenhagen, Denmark &
McDonald Institute for Archaeological Research,
University of Cambridge, The United Kingdom
email: matthew@palaeome.org



Supplementary figure 1: Histogram of extent of deamidation (q) for the 8 peptides.



Supplementary figure 2: Histogram of Parchment Glutamine Index (PQI). Although theoretically the value of PQI ranges from zero to one, 54% of the values are above one due to the problem of accurate baseline correction.