



Buckley, M, Fraser, S, Herman, Jeremy S, Melton, N D, Mulville, J and Pálsdóttir, A H (2015) *Corrigendum to "Species identification of archaeological marine mammals using collagen fingerprinting" [YJASC 41 (2014) 631–641].* Journal of Archaeological Science, 61. p. 290. ISSN 0305-4403

DOI: 10.1016/j.jas.2015.05.009

<http://repository.nms.ac.uk/2085>

Deposited on: 30 August 2018



Contents lists available at ScienceDirect

Journal of Archaeological Science

journal homepage: <http://www.elsevier.com/locate/jas>

Corrigendum

Corrigendum to “Species identification of archaeological marine mammals using collagen fingerprinting” [YJASC 41 (2014) 631–641]

M. Buckley ^{a,*}, S. Fraser ^b, J. Herman ^c, N.D. Melton ^d, J. Mulville ^e, A.H. Pálsdóttir ^f^a Manchester Institute of Biotechnology, Faculty of Life Sciences, 131 Princess Street, Manchester M1 7DN, UK^b School of History, Classics and Archaeology, University of Edinburgh, Teviot Place, Edinburgh EH8 9AG, UK^c Department of Natural Sciences, National Museums Scotland, Chambers Street, Edinburgh EH1 1JF, UK^d Department of Archaeology, Durham University, South Road, Durham DH1 3LE, UK^e Cardiff School of History, Archaeology and Religion, Cardiff University, John Percival Building, Colum Drive, Cardiff CF10 3EU, UK^f Faculty of Land and Animal Resources, The Agricultural University of Iceland, Hvanneyri, IS – 311 Borgarnes, Iceland

We note three minor errors that do not affect the interpretations within the manuscript.

1) Accession codes for three samples were mislabelled:

The specimen label 2008-32-14409 (1070) in the article should read 2008-32-604 (1070)

The specimen label 2012-32-1496 (1045) in the article should read 2009-32-1496 (1045)

The specimen label 2008-32-2371 (1066) in the article should read 2009-32-2371 (1066)

2) A misplaced marker in Table 2 for ringed seal, where the peptide marker at m/z 2853 should have been placed in the row m/z 2869 as it is in our previous publication (Kirby et al., 2013). Note that due to variable proline hydroxylation creating a similar mass shift as an alanine to serine substitution on this particular marker, within the fingerprint it is the most abundant peak referred to here as the marker (e.g., typically the middle of the 2837/2853/2869 or 2853/2869/2885 peptide sets – see Buckley et al., 2009); otherwise sequencing would be required.3) Within Table 2 there is also an unused marker row at m/z 1626 included in error.

Note that the markers in Table 2 were rounded down whereas it in previous publications we have given to one decimal place (e.g., Buckley et al., 2009). These would be approximately:

1063.6, 1079.6, 1105.6, 1121.6, 1205.6, 1221.6, 1441.7, 1443.7, 1453.7, 1550.8, 1566.8, 1638.8, 1652.8, 1682.8, 2089.1, 2091.1, 2105.1, 2119.1, 2121.1, 2133.1, 2135.1, 2171.1, 2215.9, 2231.9, 2246.0, 2853.4, 2869.4, 2883.4, 2957.4, 3003.4, 3023.4, 3039.4, 3051.4.

Acquired m/z values will depend on the calibration but are typically within 0.2 of the above.

Also note that within Table 4 ‘dephininae’ should read ‘delphininae’.

References

- Buckley, M., Collins, M.J., Thomas-Oates, J., Wilson, J., 2009. Species identification by analysis of bone collagen using matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry. *Rapid Commun. Mass Spectrom.* 23 (23), 3843–3854.
- Kirby, D.P., Buckley, M., Promise, E., Trauger, S.A., Holdcraft, T.R., 2013. Identification of collagen-based materials in cultural heritage. *Analyst* 138 (17), 4849–4858.

DOI of original article: <http://dx.doi.org/10.1016/j.jas.2013.08.021>.

* Corresponding author. Tel.: +44 161 306 5175.

E-mail addresses: m.buckley@manchester.ac.uk, mbuckley82@gmail.com

(M. Buckley).

<http://dx.doi.org/10.1016/j.jas.2015.05.009>

0305-4403/© 2013 The Authors. Published by Elsevier Ltd. This is an open access article under the CC BY license (<http://creativecommons.org/licenses/by/3.0/>).