**[Supplementary material]**

**Changing human-cattle relationships in Ireland: a 6000-year isotopic perspective**

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**Isotopic analyses and cattle husbandry**

Carbon (*δ*13C) and nitrogen (*δ*15N) isotopic compositions of animal bones reflect a long-term average of the foods that have been consumed, and thus of the husbandry practices under which animals have been raised. Though a range of complexities come into play when interpreting isotopic data (for reviews, see Szpak 2014; Van Klinken *et al*. 2002), in the context of Ireland’s environment and history of human landscape management we are mainly concerned with a subset of these potential sources of variation.

Differences in *δ*13C among Irish terrestrial herbivores arise primarily from factors that influence isotopic variation in C3 plants. First, environmental factors such as droughts can decrease the efficiency with which C3 plants discriminate against the 13C isotope during photosynthesis, driving the *δ*13C of their foliage upwards (Farquhar *et al*. 1989), while receiving abundant precipitation may have the opposite effect (Stewart *et al*. 1995). Second, the ‘canopy effect’ can result in lower *δ*13C for herbivores feeding near ground level in closed woodland areas relative to those feeding in open pasture lands (Bonafini *et al*. 2013). This is related both to slower air movement/exchange under canopy cover (allowing foliage in woodland areas to incorporate more 13C-depleted CO2 released from soils) as well as the impacts of lower light levels on foliage growing in the understorey (again impacting ability to discriminate against 13C; Van der Merwe & Medina 1991). Of these major axes of variation, and in the context of existing knowledge about variation in Ireland’s landscape, climate and animal husbandry (e.g. Kelly 1997; McCormick 2007; Swindles *et al*. 2013; McClung & Plunkett 2020), we expect that variation in cattle *δ*13C will be most influenced by the canopy effect. In this context, across the continuum of observed isotopic compositions, cattle with *δ*13C values on the higher and lower sides of the spectrum will be interpreted as having been husbanded more often in open pasture and closed woodland areas, respectively.

Although the aspects of cattle husbandry with which we are concerned are best addressed through *δ*13C analyses, *δ*15N values can provide supplementary indicators. Variation in *δ*15N is typically used to assess trophic position, as there is a stepwise increase in *δ*15N moving up successive trophic levels (DeNiro & Epstein 1981). While our analyses focus only on herbivores, 15N enrichment remains a relevant factor for younger animals. Suckling calves are consuming food that is one trophic level above that of their mothers and will therefore have significantly elevated *δ*15N relative to older cattle. The *δ*15N of plants, and their consumers, are also influenced by a range of anthropogenic and natural processes), such as application of new sources of nitrogen (e.g., fertilisers), changes in dominant plant mhychorizal relationships, and alterations to balance of nitorgen cycling processes (Szpak 2014). For instance, sources of isotopic variation, including impacts of farming and woodland clearance on nitrogen sources/cycling have been highlighted in work exploring *δ*15N baselines across the Irish Holocene (Guiry *et al*. 2018), underscoring the importance of carefully considering potential for baseline variation, particularly when reconstructing diets at higher trophic positions (Katzenberg 1989).

**Methods for stable isotope analyses and radiocarbon dating**

Collagen extractions followed established protocols based on the Longin (1971) method. Samples were demineralised as bone chunks in 0.5M HCl, rinsed to neutrality. To remove potential humic contaminants, samples with the “IUBC” or “TEAL” prefixes were then treated with successive 15-minute washes of 0.1M NaOH in an ultrasonic bath until solution remained clear, and then rinsed to neutrality. All samples were then refluxed in 0.01M HCl (pH3) in an oven at 70°C for 36–48hrs, and then centrifuged. Samples with the prefix “SUBC” were then filtered using 45−90μm mesh filters (Elkay Laboratory Products, Basingstoke, UK) and 30kDa molecular weight cut-off filters (Pall Corporation, Port Washington, New York, USA). All samples were then pipette transferred to a fresh tube, frozen and lyophilised.

Separate collagen extractions were performed for all 14C analyses using the same base demineralization, refluxing, and lyophilisation protocols as for stable isotope analyses, but included both NaOH pretreatment and ultrafiltration MilliporeSigma™ Centriprep™ 30kDa molecular weight cut-off filters (Millipore, Darmstadt, Germany) following Beaumont *et al*. (2010). Dates (Table S3) were calibrated with Calib 8.2 (Stuiver *et al*. 2020), using the IntCal20 radiocarbon dataset (Reimer *et al*. 2020).

Stable isotope and elemental compositions were measured on samples of collagen (0.5mg) with a Vario MICRO Cube elemental analyser (EA) coupled via continuous flow to an Isoprime isotope ratio mass spectrometer (IRMS) (Elementar, Hanover, Germany) in the Department of Anthropology at the University of British Columbia (“IUBC” and “SUBC” prefixes, *n* = 398) and an EA 300 (Eurovector, Pavia, Italy) coupled via continuous flow to a Horizon IRMS (Nu Instruments, Wrexham, UK) at the Water Quality Center at Trent University (“TEAL” prefixes, *n* = 18). Replicate analyses were performed on 33 per cent of samples. A two-point calibration curve anchored to USGS40 and USGS41 or USGS41a (Table S3; Qi *et al*. 2003; Qi *et al*. 2016) was used to calibrate isotopic compositions relative to AIR and VDPB. Analytical accuracy and precision were monitored with internal collagen standards (Table S4). Standard deviations, means, numbers for calibration standards (Table S5), check standards (Table S6) and sample replicates (Table S7) are also provided. Isotopic analyses followed established protocols and quality control parameters, including %C, %N and conservative C:N (Ambrose 1990; Guiry & Szpak 2021). Following Szpak and colleagues (2017), for *δ*13C and *δ*15N systematic errors [u(bias)] were ±0.11‰ and ±0.15‰; random errors [uR(w)] were ±0.12‰ and ±0.17‰; and standard uncertainty was ±0.16‰ and ±0.22‰.

Statistical tests were performed using R version 3.6.0 (R Core Team 2021) with RStudio (RStudio Team 2018). Data were visualised using the package ‘ggplot2’ (Wickham 2016) and ‘ggpubr’ (Kassambara & Kassambara 2020). Distribution normality was tested using a Shapiro-Wilk test. As the data were not normally distributed (W = 0.984, p < 0.001), the non-parametric Kruskal-Wallis test was used to determine whether there were statistically significant differences between the distributions of *δ*13C values in cattle during different phases (Table S8). When differences were detected, post-hoc comparisons were conducted using the Dunn’s test package ‘dunn.test’ (Dinno & Dinno 2017). Probability values of 0.05 or less (p < 0.05) were considered statistically significant (Table S8).

**Statistical summary**

A Shapiro-Wilk test showed that the data are not normally distributed (*W* = 0.984, *p* < 0.001). A non-parametric Kruskal-Wallis test showed statistically significant differences (*H*= 71.789, *df*= 6, *p* < 0.001) occur between the distributions of *δ*13C values in cattle during different time periods. For statistical results see Table S8. When differences were detected, post-hoc comparisons were conducted using the Dunn’s test. A 0.05 probability (p < 0.05) is considered significant.

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**Author contributions**

E.G. and F.B. designed the research. E.G. and F.B. undertook analyses. E.G., M.P.R., F.B. and F.M. contributed samples and reagents. E.G. and F.B. interpreted the data and wrote the paper. Editing assistance contributed by all authors.

**Table S1. List of sites included in the study, arranged alphabetically. An asterisk indicates a site which did not produce usable data.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Site name** | **Site/excavation/accession number** | **County** | **Latitude (N)** | **Longitude (W)** | **Time period** | **Map code** | **References** |
| Aghanaglack | AX5.4 | Fermanagh | 54.3370 | -7.8400 | Post medieval | 7 | ([Schulting et al., 2012](#_ENREF_47)) |
| Ardbraccan 1 | A023/023 | Meath | 53.6442 | -6.7460 | Mid/Late Bronze Age | 22 | ([Mossop, 2006](#_ENREF_37)) |
| Audleystown | BELUM.AX29; DOW 031:007 | Down | 54.3777 | -5.5959 | Post medieval | 11 | ([Schulting et al., 2012](#_ENREF_47)) |
| Ballyhanna | 03E1384 | Donegal | 54.4958 | -8.1682 | Later medieval | 6 | ([Donnelly, 2015](#_ENREF_15), [McKenzie, 2015](#_ENREF_36)) |
| Ballynagran | 06E0552 | Wicklow | 52.9564 | -6.1095 | Mid/Late Bronze Age | 46 | ([Frazer, 2006](#_ENREF_21), [2007](#_ENREF_22)) |
| Ballyshaneduff | 03E662 | Laois | 53.1034 | -7.1437 | Iron Age | 49 | ([Breen, 2003](#_ENREF_7)) |
| Bective Abbey | E4028 | Meath | 53.5802 | -6.6967 | Later medieval, post medieval | 24 | ([Stout and Stout, 2016](#_ENREF_51)) |
| Blackfriary | E2398 | Meath | 53.5602 | -6.7901 | Later medieval | 25 | ([Seaver et al., 2009](#_ENREF_49)) |
| Camlin 1 | E3579 | Tipperary | 52.9189 | -7.8013 | Mid/Late Bronze Age | 43 | ([Flynn, 2011](#_ENREF_20)) |
| Carrickmines Great | 02E0428 | Dublin | 53.2486 | -6.1657 | Early Bronze Age | 32 | ([Reilly, 2006](#_ENREF_44)) |
| Castletown | 01E0669 | Kildare | 53.3591 | -6.5332 | Mid/Late Bronze Age | 33 | ([Opie, 2001](#_ENREF_42)) |
| Chancellorsland | 92E0128 | Tipperary | 52.4727 | -8.3451 | Mid/Late Bronze Age | 40 | ([Doody, 2008](#_ENREF_16)) |
| CL153 | 98E0230 | Clare | 52.8625 | -9.0472 | Neolithic | 37 | ([Beglane and Jones, 2021](#_ENREF_5)) |
| Clohamon | 09E0393 | Wexford | 52.6340 | -6.6214 | Post medieval | 45 | ([Lyttleton](#_ENREF_30)) |
| Clowanstown | E3064 | Meath | 53.5614 | -6.5593 | Neolithic | 20 | ([Mossop and Mossop, 2009](#_ENREF_38), [Schulting et al., 2013](#_ENREF_46)) |
| Dalkey Island | IG0270260 | Dublin | 53.2735 | -6.0855 | Neolithic, Mid/Late Bronze Age | 31 | ([Woodman et al., 1997](#_ENREF_55)) |
| Dún Ailinne | E70 | Kildare | 53.1147 | -6.7760 | Iron Age | 47 | ([Crabtree, 2007](#_ENREF_11), [Johnston, 2007](#_ENREF_27)) |
| Dun Ruadh | BELUM.AX1; TYR 019:004 | Tyrone | 54.7047 | -7.0328 | Neolithic | 3 | ([Davies, 1936](#_ENREF_12)) |
| Eyre Square | 04E1561 | Galway | 53.2740 | -9.0496 | Post medieval | 34 | ([Quinn, 2004](#_ENREF_43)) |
| Greencastle | AE/01/13 | Down | 54.0405 | -6.1043 | Later medieval, post medieval | 12 | ([Ó Baoill, 2001](#_ENREF_40)) |
| Grey Abbey | 04E0223 | Down | 53.1558 | -6.9131 | Early medieval, post medieval | 48 | ([Dennehy, 2004](#_ENREF_14)) |
| Harristown | 99E0498 | Louth | 53.8587 | -6.4806 | Early Bronze Age | 13 | ([Duffy, 1999](#_ENREF_17)) |
| Haughey's Fort | N/A, samples from Queens University Belfast | Armagh | 54.3450 | -6.7590 | Mid/Late Bronze Age | 10 | ([Mallory and Warner, 1988](#_ENREF_31), [McCormick, 1991](#_ENREF_33)) |
| Kilgreany Cave | IG X172944 | Waterford | 52.1012 | -7.7429 | Neolithic, Iron Age | 39 | ([Woodman et al., 1997](#_ENREF_55)) |
| Killeen Castle Site A | 05E0303 | Meath | 53.5381 | -6.5953 | Early Bronze Age | 27 | ([Baker, 2005](#_ENREF_2)) |
| King's Stables | BELUM.AX51; ARM 012:014 | Armagh | 54.3509 | -6.7100 | Mid/Late Bronze Age | 9 | ([Lynn et al., 1977](#_ENREF_29)) |
| Knocks 1 | A017/022 | Meath | 53.5088 | -6.5591 | Mid/Late Bronze Age | 28 | ([Elder, 2009](#_ENREF_18)) |
| Legland | AX30 .2 | Tyrone | 54.6634 | -7.4399 | Post medieval | 5 | ([Schulting et al., 2012](#_ENREF_47)) |
| Lough Gur | E304 | Limerick | 52.5159 | -8.5241 | Mid/Late Bronze Age | 41 | ([Cleary et al., 1995](#_ENREF_9)) |
| Lowpark | A020/012 | Mayo | 53.9525 | -8.8045 | Early medieval | 15 | ([Gillespie, 2010](#_ENREF_25)) |
| Mallin St. Wexford | E2901 | Wexford | 52.3391 | -6.4638 | Post medieval | 44 | ([McCullough, 2007](#_ENREF_34), [2008](#_ENREF_35)) |
| Market St. Trim | 02E1671 | Meath | 53.5550 | -6.7930 | Later medieval, post medieval | 26 | ([Beglane, 2009a](#_ENREF_3), [Fallon, 2009](#_ENREF_19)) |
| Morett | 03E461 | Laois | 53.0783 | -7.1989 | Iron Age | 50 | ([Cotter, 2011](#_ENREF_10)) |
| Mountgorry | 04E1604 | Dublin | 53.4219 | -6.1764 | Early medieval | 29 | ([Halliday, 2005](#_ENREF_26)) |
| Navan Fort | ARM 012:015 | Armagh | 54.3478 | -6.6972 | Iron Age | 23 | ([Baillie et al., 1999](#_ENREF_1)) |
| Navan inner relief road, Site 1, 2, 3 | 06E0274 and 06E0024 | Meath | 53.6526 | -6.7009 | Early medieval | 8 | ([Giacometti, 2011](#_ENREF_23)) |
| Newgrange | N/A, samples from National Museum of Ireland | Meath | 53.6945 | -6.4761 | Early Bronze Age | 16 | This Study, ([van Wijngaarden-Bakker, 1986](#_ENREF_53), [Bendrey et al., 2013](#_ENREF_6)) |
| Newtownstewart | SMR TYR 17:47 | Tyrone | 54.7190 | -7.3750 | Post medieval | 4 | ([Ó Baoill, 2005](#_ENREF_41)) |
| Nobber | 07E0345 | Meath | 53.8755 | -6.7449 | Later medieval, post medieval | 14 | ([Seaver, 2009](#_ENREF_48)) |
| Poulnabrone | N/A; see Table S2 for source study | Clare | 53.0470 | -9.1410 | Neolithic, Early Bronze Age | 35 | ([Schulting, 2014](#_ENREF_45)) |
| Ratoath | 03E1781 | Meath | 53.5063 | -6.4657 | Early medieval | 21 | ([Wallace, 2010](#_ENREF_54)) |
| Ross Island | 92E081 | Kerry | 52.0344 | -9.5395 | Early Bronze Age | 38 | ([O'Brien and Comber, 2008](#_ENREF_39)) |
| Roughan Hill | 98E0230 | Clare | 52.9855 | -6.6989 | Early Bronze Age | 36 | ([Jones et al., 2011](#_ENREF_28)) |
| Stalleen | 08E0456 | Meath | 53.6977 | -6.4354 | Early medieval | 17 | ([Stout and Stout, 2022](#_ENREF_52)) |
| Tamnyrankin | AX31.l | Derry | 54.9332 | -6.6989 | Later medieval | 2 | ([Schulting et al., 2012](#_ENREF_47)) |
| Timberyard | 06E710 | Dublin | 53.3391 | -6.2786 | Post medieval | 30 | ([Giacometti, forthcoming](#_ENREF_24)) |
| Trim Townparks South | 06E2016 | Meath | 53.6167 | -6.6934 | Iron Age, early medieval, later medieval, post medieval | 18 | ([Beglane, 2009b](#_ENREF_4), [a](#_ENREF_3), [Stephens, 2009](#_ENREF_50)) |
| Tullahedy | A026/002 97E472 | Tipperary | 52.8458 | -8.2471 | Early Bronze Age | 42 | ([Cleary and Kelleher, 2011](#_ENREF_8)) |
| Whitepark Bay | BELUM.AX53; Not in SMR | Antrim | 55.2322 | -6.4049 | Early Bronze Age | 1 | ([Davison et al., 1927](#_ENREF_13)) |
| Williamstown/Bawn 2 | A023/006 | Meath | 53.6167 | -6.6934 | Mid/Late Bronze Age | 19 | ([Martin, 2009](#_ENREF_32)) |
| Ashleypark\* | E189 | Tipperary | 52.9331 | -8.1881 | N/A, QC Fail | Not shown | NA |
| Bellinstown\* | 01E0744 | Dublin | 53.4907 | -6.2041 | N/A, QC Fail | Not shown | NA |
| Bettystown\* | 05E0005 | Meath | 53.4248 | -6.6963 | N/A, QC Fail | Not shown | NA |
| Carrickabraghy\* | 12E283 | Donegal | 55.3161 | -7.3725 | N/A, QC Fail | Not shown | NA |
| Gorteen 2\* | A006/006 E3317 | Westmeath | 53.4832 | -7.3465 | N/A, QC Fail | Not shown | NA |
| Sutton\* | IG0260390 | Dublin | 52.8458 | -8.2471 | N/A, QC Fail | Not shown | NA |

**Table S2. Isotopic compositions and quality control metrics for all cattle bone collagen samples used in this study. For time codes: 1 = Neolithic, 2 = Early Bronze Age, 3 = Mid/Late Bronze Age, 4 = Iron Age, 5 = early medieval, 6 = late medieval, and 7 = post medieval. (Literature data was sourced from Schulting *et al*. 2012; Schulting 2014; Guiry *et al*. 2018; Madgwick *et al*. 2019; McKenzie *et al*. 2020.)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Lab No.** | **Catalogue/ Record ID** | **Time Code/ Quality Control** | **Site** | **Site/ Excavation/Accession No.** | **Map Code** | **County** | **Element** | ***δ*13C‰** | ***δ*15N‰** | **%C** | **%N** | **C:N** | **% Col.** | **Source** | **Context No.** (where available) |
| UB-6732 | 3 | 7 | Aghanaglack | AX5.4 | 7 | Fermanagh | Femur | -24.20 | 5.40 |  |  | 3.50 | ND | Schulting *et al*. 2012 (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | N/A |
| SUBC-11576 | 12751 | 3 | Ardbraccan 1 | A023/023 | 22 | Meath | Femur | -22.51 | 6.44 | 41.48 | 14.52 | 3.33 | 12.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 42 |
| SUBC-11491 | 12544 | QC Fail | Ashleypark | E189 | N/A | Tipperary | Skull | -23.13 | 5.83 | 42.08 | 13.47 | 3.64 | 7.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | SE end of Passage |
| SUBC-11492 | 12545 | QC Fail | Ashleypark | E189 | N/A | Tipperary | Skull | -23.03 | 5.50 | 42.35 | 13.81 | 3.58 | 6.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | Past stone E 15‐4 |
| UB-6735 | 12923 | 7 | Audleystown | BELUM.AX29; DOW 031:007 | 11 | Down | Femur | -22.70 | 6.10 |  |  | 3.00 | ND | Schulting *et al*. 2012 (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | N/A |
| UB-6736 | 12924 | 7 | Audleystown | BELUM.AX29; DOW 031:007 | 11 | Down | Humerus | -21.40 | 5.10 |  |  | 3.00 | ND | Schulting *et al*. 2012 (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | N/A |
| SUBC-11593 | 15005 | 6 | Ballyhanna | 03E1384 | 6 | Donegal | Ulna | -22.58 | 6.42 | 40.76 | 14.35 | 3.31 | 4.2 | McKenzie *et al*. 2020 | N/A |
| SUBC-11595 | 15007 | 6 | Ballyhanna | 03E1384 | 6 | Donegal | Calcaneus | -22.86 | 5.97 | 41.11 | 13.83 | 3.47 | 7.4 | McKenzie *et al*. 2020 | N/A |
| SUBC-11596 | 15008 | 6 | Ballyhanna | 03E1384 | 6 | Donegal | Calcaneus | -21.89 | 5.11 | 41.06 | 14.37 | 3.33 | 10.3 | McKenzie *et al*. 2020 | N/A |
| SUBC-11597 | 15009 | 6 | Ballyhanna | 03E1384 | 6 | Donegal | Calcaneus | -23.27 | 6.66 | 39.99 | 13.77 | 3.39 | 4.0 | McKenzie *et al*. 2020 | N/A |
| SUBC-11598 | 15010 | 6 | Ballyhanna | 03E1384 | 6 | Donegal | Calcaneus | -22.66 | 7.01 | 40.97 | 14.07 | 3.40 | 9.2 | McKenzie *et al*. 2020 | N/A |
| SUBC-11594 | 15006 | QC Fail | Ballyhanna | 03E1384 | 6 | Donegal | Scapula | -23.47 | 6.33 | 40.10 | 12.81 | 3.65 | 5.7 | McKenzie *et al*. 2020 | N/A |
| SUBC-10955 | 12588 | 3 | Ballynagran | 06E0552 | 46 | Wicklow | Scapula | -22.76 | 5.42 | 42.98 | 15.14 | 3.31 | 13.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 719 |
| SUBC-10969 | 12639 | 4 | Ballyshaneduff | 03E662 | 49 | Laois | Mandible | -22.61 | 5.47 | 40.46 | 14.04 | 3.36 | 8.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 32 |
| SUBC-981 | 6001 | 6 | Bective Abbey | E4028 | 24 | Meath | Ulna | -22.26 | 8.32 | 41.76 | 14.05 | 3.47 | 11.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 7 |
| SUBC-984 | 5708 | 6 | Bective Abbey | E4028 | 24 | Meath | Ulna | -21.89 | 5.73 | 36.08 | 12.35 | 3.41 | 10.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 9 |
| SUBC-1469 | 6209 | 7 | Bective Abbey | E4028 | 24 | Meath | Radius | -22.99 | 5.52 | 34.20 | 11.45 | 3.49 | 5.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 2 |
| SUBC-1008 | 6014 | QC Fail | Bective Abbey | E4028 | N/A | Meath | Ulna | -22.41 | 9.20 | 42.05 | 13.75 | 3.57 | 3.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 30 |
| SUBC-1470 | 6239 | QC Fail | Bective Abbey | E4028 | N/A | Meath | Radius | -22.98 | 6.91 | 36.80 | 12.06 | 3.56 | 2.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 2 |
| SUBC-990 | 6143 | QC Fail | Bective Abbey | E4028 | N/A | Meath | Ulna | -22.76 | 9.91 | 42.43 | 13.47 | 3.68 | 5.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 9 |
| SUBC-994 | 5893 | QC Fail | Bective Abbey | E4028 | N/A | Meath | Radius | -22.70 | 8.30 | 42.44 | 13.48 | 3.67 | 4.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 10 |
| SUBC-996 | 6081 | QC Fail | Bective Abbey | E4028 | N/A | Meath | Radius | -23.28 | 7.73 | 41.70 | 12.23 | 3.98 | 4.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 10 |
| SUBC-10967 | 12635 | QC Fail | Bellinstown | 01E0744 | N/A | Dublin | Tibia |  |  |  |  |  | 0.0 | This Study | 47 |
| SUBC-1321 | 5749 | QC Fail | Bettystown | 05E0005 | N/A | Meath | Mandible | -22.54 | 7.07 | 41.59 | 13.38 | 3.63 | 11.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 39 |
| SUBC-1456 | 5664 | 7 | Blackfriary | E2398 | 25 | Meath | Tibia | -23.13 | 5.78 | 40.12 | 13.65 | 3.44 | 5.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 2133 |
| SUBC-10966 | 12634 | 3 | Camlin 1 | E3579 | 43 | Tipperary | Pelvis | -21.76 | 6.80 | 40.23 | 14.25 | 3.29 | 10.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 246 |
| SUBC-10952 | 12583 | QC Fail | Camlin 4 | E3746 | N/A | Tipperary | Metatarsal |  |  |  |  |  | 0.0 | This Study | 89 |
| SUBC-10953 | 12585 | QC Fail | Camlin 4 | E3746 | N/A | Tipperary | Metatarsal |  |  |  |  |  | 0.0 | This Study | 89 |
| SUBC-1463 | 5671 | QC Fail | Carrickabraghy | 12E283 | N/A | Donegal | Femur | -23.38 | 6.09 | 19.48 | 4.73 | 4.84 | 2.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 22 |
| SUBC-1465 | 5679 | QC Fail | Carrickabraghy | 12E283 | N/A | Donegal | Radius | -24.01 | 5.94 | 33.98 | 7.93 | 5.01 | 9.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 24 |
| SUBC-11382 | 12651 | 2 | Carrickmines Great | 02E0428 | 32 | Dublin | Metacarpal | -22.73 | 4.22 | 42.94 | 14.83 | 3.38 | 9.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 001 |
| SUBC-11404 | 12733 | 3 | Castletown | 01E0669 | 33 | Kildare | Metacarpal | -22.48 | 6.64 | 42.69 | 14.75 | 3.37 | 6.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 19 |
| IUBC-343 | 12664 | 3 | Chancellorsland | 92E0128 | 40 | Tipperary | Scapula | -22.22 | 6.35 | 39.07 | 13.32 | 3.42 | 0.9 | This Study | 172 |
| SUBC-10941 | 12553 | 3 | Chancellorsland | 92E0128 | 40 | Tipperary | Scapula | -22.29 | 6.12 | 41.30 | 14.41 | 3.34 | 10.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 2130 |
| SUBC-10942 | 12554 | QC Fail | Chancellorsland | 92E0128 | 40 | Tipperary | Scapula | -25.89 | 8.02 | 42.02 | 9.08 | 5.40 | 0.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 2130 |
| SUBC-10943 | 12556 | QC Fail | Chancellorsland | 92E0128 | 40 | Tipperary | Scapula |  |  |  |  |  | 0.0 | This Study | 2130 |
| SUBC-10944 | 12557 | QC Fail | Chancellorsland | 92E0128 | 40 | Tipperary | Scapula | -24.71 | 7.78 | 36.95 | 8.84 | 4.87 | 0.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 2130 |
| SUBC-10945 | 12559 | QC Fail | Chancellorsland | 92E0128 | 40 | Tipperary | Scapula | -24.42 | 7.82 | 39.72 | 10.47 | 4.43 | 2.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 2081 |
| SUBC-10983 | 12658 | QC Fail | Chancellorsland | 92E128 | 40 | Tipperary | Scapula | -23.11 | 5.82 | 40.37 | 12.30 | 3.83 | 2.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 2130 |
| IUBC-228 | 6480 | 1 | CL153 | 98E0230 | 37 | Clare | Mandibular dp4 | -21.77 | 5.02 | 41.70 | 15.07 | 3.23 | 10.1 | This Study | 362 |
| IUBC-239 | 7002 | 1 | CL153 | 98E0230 | 37 | Clare | Mandibular dp2 | -21.67 | 6.06 | 41.49 | 14.94 | 3.24 | 15.6 | This Study | 338 |
| IUBC-246 | 7098 | 1 | CL153 | 98E0230 | 37 | Clare | Mandibular dp4 | -21.74 | 5.57 | 41.46 | 14.81 | 3.26 | 8.1 | This Study | 338 |
| SUBC-10924 | 6568 | 1 | CL153 | 98E0230 | 37 | Clare | Phalanx | -23.09 | 5.42 | 41.50 | 14.07 | 3.44 | 8.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 433 |
| SUBC-10928 | 7488 | 1 | CL153 | 98E0230 | 37 | Clare | Tibia | -22.70 | 6.42 | 41.24 | 13.91 | 3.46 | 7.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 445 |
| SUBC-10929 | 7569 | 1 | CL153 | 98E0230 | 37 | Clare | Phalanx | -22.23 | 4.61 | 41.25 | 14.01 | 3.43 | 13.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 571 |
| SUBC-10926 | 7182 | QC Fail | CL153 | 98E0230 | N/A | Clare | Calcaneus | -22.76 | 4.27 | 42.74 | 13.55 | 3.68 | 13.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 256 |
| SUBC-1331 | 5803 | 7 | Clohamon | 09E0393 | 45 | Wexford | Tibia | -22.36 | 5.98 | 42.58 | 14.62 | 3.40 | 10.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 44 |
| SUBC-1336 | 5661 | 7 | Clohamon | 09E0393 | 45 | Wexford | Patella | -21.80 | 7.13 | 41.87 | 15.14 | 3.23 | 16.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 88 |
| SUBC-1330 | 5720 | QC Fail | Clohamon | 09E0393 | N/A | Wexford | Ulna | -22.92 | 5.06 | 41.86 | 13.76 | 3.55 | 7.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 44 |
| SUBC-1333 | 5660 | QC Fail | Clohamon | 09E0393 | N/A | Wexford | Tibia | -22.37 | 5.71 | 41.08 | 13.63 | 3.52 | 7.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 61 |
| SUBC-11408 | 12737 | 1 | Clowanstown | E3064 | 33 | Meath | Mandible | -22.85 | 4.55 | 43.57 | 15.03 | 3.38 | 20.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 16 |
| SUBC-11411 | 12744 | 1 | Clowanstown | E3064 | 33 | Meath | Mandible | -23.20 | 4.77 | 43.79 | 14.86 | 3.44 | 19.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 39 |
| SUBC-11412 | 12745 | 1 | Clowanstown | E3064 | 33 | Meath | Mandible | -23.06 | 4.36 | 42.64 | 14.67 | 3.39 | 19.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 39 |
| SUBC-11449 | 15123 | 1 | Dalkey Island | IG0270260 | 31 | Dublin | Vertebra | -22.59 | 5.22 | 42.53 | 14.93 | 3.32 | 8.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | Site V, sample series 76, P5541 |
| SUBC-11450 | 15124 | 3 | Dalkey Island | IG0270260 | 31 | Dublin | Ulna | -23.19 | 7.15 | 42.59 | 14.71 | 3.38 | 12.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | Site II, sample series 72, P5537 |
| IUBC-346 | 12668 | 4 | Dún Ailinne | E70 | 47 | Kildare | Ulna | -22.37 | 5.31 | 41.36 | 14.87 | 3.24 | 17.6 | This Study | WHITE 512 |
| IUBC-440 | 12669 | 4 | Dún Ailinne | E70 | 47 | Kildare | Scapula | -21.64 | 6.92 | 41.28 | 14.98 | 3.21 | 5.9 | This Study | M 423 |
| IUBC-441 | 12673 | 4 | Dún Ailinne | E70 | 47 | Kildare | Tibia | -21.59 | 6.28 | 41.79 | 14.75 | 3.30 | 5.8 | This Study | HARRY 1023 |
| IUBC-445 | 12679 | 4 | Dún Ailinne | E70 | 47 | Kildare | Maxillary P2 | -22.20 | 7.29 | 41.28 | 14.81 | 3.25 | 4.3 | This Study | PRE NIAMH OCCUPATION |
| IUBC-447 | 12683 | 4 | Dún Ailinne | E70 | 47 | Kildare | Metacarpal | -22.11 | 5.31 | 41.62 | 14.84 | 3.27 | 4.2 | This Study | CRIMSON |
| IUBC-449 | 12687 | 4 | Dún Ailinne | E70 | 47 | Kildare | Maxillary molar | -22.82 | 7.87 | 41.82 | 14.97 | 3.26 | 1.9 | This Study | NIAMH 2374 |
| IUBC-459 | 12700 | 4 | Dún Ailinne | E70 | 47 | Kildare | Maxillary dp3 or dp4 | -21.82 | 7.69 | 41.91 | 15.02 | 3.25 | 7.3 | This Study | R60 |
| IUBC-462 | 12712 | 4 | Dún Ailinne | E70 | 47 | Kildare | Scapula | -22.23 | 7.00 | 41.24 | 14.72 | 3.27 | 4.0 | This Study | DUN LOW MOUND |
| IUBC-463 | 12714 | 4 | Dún Ailinne | E70 | 47 | Kildare | Metatarsal | -22.93 | 7.07 | 41.19 | 14.60 | 3.29 | 3.3 | This Study | BLUE OCCUPATION SURF |
| IUBC-466 | 12717 | 4 | Dún Ailinne | E70 | 47 | Kildare | Calcaneus | -21.96 | 5.47 | 41.59 | 14.94 | 3.25 | 4.2 | This Study | KHAKI 2723 |
| SUBC-11387 | 12675 | 4 | Dún Ailinne | E70 | 47 | Kildare | Radius | -21.92 | 8.21 | 42.76 | 14.71 | 3.39 | 6.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | LOWER EMERALD CONTEXT? |
| SUBC-11389 | 12681 | 4 | Dún Ailinne | E70 | 47 | Kildare | Tarsal | -22.43 | 7.62 | 42.67 | 14.86 | 3.35 | 7.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | R 314 |
| SUBC-11394 | 12702 | 4 | Dún Ailinne | E70 | 47 | Kildare | Tibia | -22.41 | 6.95 | 42.88 | 14.66 | 3.41 | 8.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | HARRY 1023 |
| SUBC-11398 | 12707 | 4 | Dún Ailinne | E70 | 47 | Kildare | Mandible | -21.93 | 6.22 | 42.83 | 14.89 | 3.36 | 8.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | UPPER EMERALD |
| SUBC-11401 | 12711 | 4 | Dún Ailinne | E70 | 47 | Kildare | Astragalus | -22.93 | 7.29 | 41.76 | 14.77 | 3.30 | 8.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | JADE 2307 |
| SUBC-11397 | 12706 | QC Fail | Dún Ailinne | E70 | N/A | Kildare | Mandible | -22.43 | 8.48 | 43.50 | 14.47 | 3.51 | 5.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | UPPER EMERALD |
| SUBC-11051 | 12942 | 1 | Dun Ruadh | BELUM.AX1; TYR 019:004 | 3 | Tyrone | Humerus | -22.20 | 4.56 | 43.12 | 14.65 | 3.43 | 14.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) |  |
| SUBC-1356 | 5992 | 7 | Eyre Square | 04E1561 | 34 | Galway | Metacarpal | -22.40 | 5.71 | 42.40 | 14.57 | 3.40 | 15.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 103 |
| SUBC-1357 | 5996 | 7 | Eyre Square | 04E1561 | 34 | Galway | Metacarpal | -22.03 | 4.99 | 43.34 | 14.44 | 3.50 | 13.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 103 |
| SUBC-1359 | 5767 | 7 | Eyre Square | 04E1561 | 34 | Galway | Metacarpal | -22.20 | 5.50 | 43.90 | 15.57 | 3.30 | 14.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 104 |
| SUBC-1368 | 5784 | 7 | Eyre Square | 04E1561 | 34 | Galway | Ulna | -22.44 | 5.49 | 42.52 | 15.03 | 3.32 | 13.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 109 |
| SUBC-1375 | 5894 | 7 | Eyre Square | 04E1561 | 34 | Galway | Axis (VC2) | -22.46 | 5.60 | 42.32 | 14.17 | 3.48 | 13.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 110 |
| SUBC-1376 | 5895 | 7 | Eyre Square | 04E1561 | 34 | Galway | Axis (VC2) | -22.33 | 6.46 | 43.41 | 14.71 | 3.45 | 14.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 110 |
| SUBC-1387 | 5707 | 7 | Eyre Square | 04E1561 | 34 | Galway | Axis (VC2) | -21.28 | 9.26 | 41.35 | 13.87 | 3.48 | 8.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 122 |
| SUBC-1390 | 5952 | 7 | Eyre Square | 04E1561 | 34 | Galway | Axis (VC2) | -22.37 | 6.93 | 41.74 | 13.97 | 3.49 | 14.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 122 |
| SUBC-1397 | 5753 | 7 | Eyre Square | 04E1561 | 34 | Galway | Axis (VC2) | -22.31 | 6.53 | 43.07 | 15.13 | 3.33 | 17.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 127 |
| SUBC-1398 | 5754 | 7 | Eyre Square | 04E1561 | 34 | Galway | Axis (VC2) | -22.25 | 5.49 | 42.83 | 14.44 | 3.46 | 11.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 127 |
| SUBC-1399 | 5755 | 7 | Eyre Square | 04E1561 | 34 | Galway | Axis (VC2) | -22.65 | 6.14 | 42.84 | 14.38 | 3.48 | 16.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 127 |
| SUBC-1384 | 6032 | QC Fail | Eyre Square | 04E1561 | N/A | Galway | Metacarpal | -21.59 | 7.69 | 45.26 | 15.00 | 3.52 | 9.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 118 |
| SUBC-1393 | 5975 | QC Fail | Eyre Square | 04E1561 | N/A | Galway | Axis (VC2) | -22.86 | 5.26 | 42.63 | 13.31 | 3.75 | 8.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 126 |
| SUBC-10957 | 12590 | QC Fail | Gorteen 2 | A006/006 E3317 | N/A | Westmeath | Pelvis | -24.55 | 6.32 | 38.27 | 10.04 | 4.45 | 0.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 008 |
| TEAL-17794 | 7027 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.67 | 5.01 | 34.34 | 12.79 | 3.13 | 6.9 | This Study | 006 |
| SUBC-1030 | 5688 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.51 | 4.31 | 43.51 | 14.72 | 3.45 | 6.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 030 |
| SUBC-1065 | 6421 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.29 | 4.90 | 43.85 | 15.47 | 3.31 | 15.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 043 |
| SUBC-1066 | 6451 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.83 | 5.49 | 44.33 | 15.81 | 3.27 | 15.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 043 |
| SUBC-1070 | 6520 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.15 | 5.22 | 42.55 | 15.12 | 3.28 | 10.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 065 |
| SUBC-1073 | 6837 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.40 | 5.51 | 42.88 | 14.28 | 3.50 | 3.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 110 |
| SUBC-1074 | 6766 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.61 | 4.53 | 42.79 | 14.67 | 3.40 | 5.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 117 |
| SUBC-1083 | 7347 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.14 | 4.94 | 43.58 | 14.70 | 3.46 | 7.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 135 |
| SUBC-1085 | 6922 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -23.09 | 5.89 | 43.45 | 14.56 | 3.48 | 3.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 018/082 |
| SUBC-1091 | 6281 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.35 | 5.60 | 42.24 | 14.63 | 3.37 | 14.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 036/039 |
| TEAL-17796 | 6949 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -23.12 | 5.86 | 37.18 | 13.78 | 3.15 | 14.3 | This Study | 014 |
| TEAL-17799 | 5886 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -23.27 | 4.28 | 32.80 | 12.30 | 3.11 | 6.7 | This Study | 027 |
| TEAL-17802 | 5671 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -21.90 | 7.18 | 31.03 | 11.70 | 3.09 | 7.3 | This Study | 030 |
| TEAL-17808 | 6193 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.96 | 4.87 | 25.07 | 9.48 | 3.08 | 4.2 | This Study | 030 |
| TEAL-17809 | 6140 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.61 | 6.16 | 27.55 | 10.25 | 3.14 | 5.7 | This Study | 031 |
| TEAL-17811 | 6080 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.84 | 6.54 | 26.83 | 10.03 | 3.12 | 1.0 | This Study | 032 |
| TEAL-17812 | 6590 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.49 | 5.51 | 40.83 | 14.91 | 3.19 | 4.6 | This Study | 035 |
| TEAL-17813 | 6967 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -21.88 | 6.18 | 20.27 | 7.62 | 3.10 | 2.6 | This Study | 021 |
| TEAL-17814 | 6597 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.70 | 6.71 | 26.84 | 9.99 | 3.13 | 3.0 | This Study | 035 |
| TEAL-17817 | 6323 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.77 | 6.07 | 41.96 | 15.45 | 3.17 | 6.0 | This Study | 042 |
| TEAL-17819 | 6420 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.33 | 6.47 | 33.68 | 12.60 | 3.12 | 5.5 | This Study | 043 |
| TEAL-17820 | 6528 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -22.29 | 6.18 | 25.46 | 9.56 | 3.11 | 5.1 | This Study | 044 |
| TEAL-17821 | 6378 | 6 | Greencastle | AE/01/13 | 12 | Down | Mandible | -21.86 | 5.00 | 28.13 | 10.49 | 3.13 | 3.1 | This Study | 077 |
| TEAL-17800 | 5863 | 7 | Greencastle | AE/01/13 | 12 | Down | Tibia | -22.94 | 5.49 | 31.22 | 11.62 | 3.13 | 4.1 | This Study | 029 |
| TEAL-17801 | 5864 | 7 | Greencastle | AE/01/13 | 12 | Down | Tibia | -22.19 | 6.59 | 29.30 | 10.99 | 3.11 | 2.4 | This Study | 029 |
| SUBC-1020 | 5970 | QC Fail | Greencastle | AE/01/13 | N/A | Down | Mandible | -22.57 | 4.22 | 42.86 | 13.62 | 3.67 | 14.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 023 |
| SUBC-11608 | 5706 | 5 | Grey Abbey | 04E0233 | 48 | Down | Radius | -22.01 | 7.69 | 40.37 | 14.46 | 3.26 | 7.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 512 |
| SUBC-11609 | 5702 | 5 | Grey Abbey | 04E0233 | 48 | Down | Scapula | -21.97 | 7.64 | 40.34 | 14.17 | 3.32 | 5.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 510 |
| IUBC-317 | 5758 | 7 | Grey Abbey | 04E0233 | 48 | Down | Maxillary molar | -22.09 | 5.76 | 41.48 | 14.85 | 3.26 | 0.9 | This Study | 497/315 |
| SUBC-1168 | 5666 | 7 | Grey Abbey | 04E0223 | 48 | Down | Femur | -22.14 | 6.32 | 43.24 | 14.64 | 3.45 | 12.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 142 |
| SUBC-1169 | 5667 | 7 | Grey Abbey | 04E0223 | 48 | Down | Femur | -22.13 | 5.47 | 42.04 | 14.02 | 3.50 | 11.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 142 |
| SUBC-1172 | 5756 | 7 | Grey Abbey | 04E0223 | 48 | Down | Ulna | -22.00 | 6.76 | 36.81 | 12.60 | 3.41 | 6.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 236 |
| SUBC-10968 | 12638 | 2 | Harristown | 99E0498 | 13 | Louth | Humerus | -23.23 | 5.32 | 40.65 | 14.36 | 3.30 | 11.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 2 |
| IUBC-353 | 12792 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.26 | 5.57 | 42.01 | 15.14 | 3.24 | 9.2 | This Study | 60 |
| IUBC-354 | 12793 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.54 | 5.68 | 41.94 | 15.00 | 3.26 | 12.5 | This Study | 52? |
| IUBC-355 | 12794 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.93 | 5.26 | 41.81 | 15.02 | 3.25 | 8.4 | This Study | 158 |
| IUBC-356 | 12795 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.66 | 6.29 | 41.16 | 14.81 | 3.24 | 4.5 | This Study | 168 |
| IUBC-357 | 12796 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.57 | 5.02 | 42.09 | 15.05 | 3.26 | 6.0 | This Study | 139 |
| IUBC-358 | 12797 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.38 | 6.54 | 42.05 | 15.28 | 3.21 | 10.9 | This Study | 292 |
| IUBC-359 | 12798 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.24 | 6.42 | 42.11 | 15.24 | 3.22 | 12.4 | This Study | 158 |
| IUBC-360 | 12799 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.81 | 7.08 | 41.40 | 14.61 | 3.31 | 7.7 | This Study | 289 |
| IUBC-361 | 12800 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.05 | 7.02 | 41.84 | 15.08 | 3.24 | 12.6 | This Study | 33 |
| IUBC-362 | 12801 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.85 | 6.27 | 42.20 | 15.36 | 3.20 | 11.4 | This Study | 171 |
| IUBC-363 | 12802 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.28 | 6.84 | 42.31 | 15.26 | 3.23 | 14.3 | This Study | 142 |
| IUBC-364 | 12803 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.03 | 5.88 | 42.22 | 15.21 | 3.24 | 13.4 | This Study | 35 |
| IUBC-365 | 12804 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.15 | 5.64 | 42.30 | 15.34 | 3.21 | 12.0 | This Study | 277 |
| IUBC-366 | 12805 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.17 | 6.59 | 41.87 | 15.15 | 3.22 | 8.6 | This Study | 163 |
| IUBC-367 | 12806 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.34 | 6.53 | 41.78 | 14.85 | 3.28 | 9.5 | This Study | 193 |
| IUBC-368 | 12807 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.86 | 6.41 | 41.75 | 14.95 | 3.26 | 19.7 | This Study | 214 |
| IUBC-369 | 12808 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.77 | 6.00 | 42.38 | 15.13 | 3.27 | 9.0 | This Study | 52 |
| IUBC-370 | 12809 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.21 | 6.14 | 41.98 | 14.90 | 3.29 | 6.9 | This Study | 76 |
| IUBC-371 | 12810 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.69 | 6.85 | 42.23 | 15.01 | 3.28 | 9.3 | This Study | 110 |
| IUBC-372 | 12811 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.80 | 6.26 | 41.38 | 14.78 | 3.27 | 9.7 | This Study | 189 |
| IUBC-373 | 12812 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.41 | 6.27 | 41.60 | 14.67 | 3.31 | 8.5 | This Study | 204 |
| IUBC-374 | 12813 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.61 | 5.40 | 42.46 | 15.01 | 3.30 | 9.9 | This Study | 174 |
| IUBC-375 | 12814 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -21.83 | 7.24 | 41.96 | 14.92 | 3.28 | 0.9 | This Study | 250 |
| IUBC-376 | 12815 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.16 | 6.63 | 41.93 | 14.93 | 3.27 | 8.7 | This Study | 315 |
| IUBC-377 | 12816 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.22 | 4.32 | 43.73 | 15.55 | 3.28 | 8.0 | This Study | 278 |
| IUBC-378 | 12817 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.19 | 6.27 | 42.59 | 15.21 | 3.26 | 7.4 | This Study | 204 |
| IUBC-379 | 12818 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.96 | 6.86 | 42.48 | 14.68 | 3.37 | 1.1 | This Study | H/K/Q |
| IUBC-380 | 12819 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.73 | 7.48 | 40.59 | 14.52 | 3.26 | 2.3 | This Study | 266 |
| IUBC-381 | 12820 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.35 | 6.11 | 42.15 | 15.16 | 3.24 | 7.8 | This Study | 33 |
| IUBC-383 | 12822 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.06 | 6.68 | 41.91 | 14.94 | 3.27 | 7.4 | This Study | 182 |
| IUBC-384 | 12823 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.34 | 7.32 | 42.20 | 15.18 | 3.24 | 7.9 | This Study | 240 |
| IUBC-385 | 12824 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.03 | 7.24 | 42.08 | 15.02 | 3.27 | 8.6 | This Study | 158 |
| IUBC-386 | 12825 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.71 | 6.35 | 41.86 | 15.13 | 3.23 | 10.0 | This Study | 182 |
| IUBC-387 | 12833 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.54 | 6.69 | 41.92 | 15.03 | 3.25 | 9.8 | This Study | H/K/Q |
| IUBC-388 | 12834 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.40 | 6.59 | 42.05 | 15.09 | 3.25 | 10.5 | This Study | H/K/Q |
| IUBC-389 | 12835 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.76 | 6.83 | 42.35 | 15.18 | 3.25 | 8.2 | This Study | H/K/Q |
| IUBC-390 | 12836 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.10 | 5.71 | 42.81 | 14.99 | 3.33 | 1.7 | This Study | H/K/Q |
| IUBC-391 | 12837 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.47 | 5.82 | 42.04 | 15.01 | 3.27 | 11.3 | This Study | H/K/Q |
| IUBC-392 | 12838 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.78 | 6.72 | 42.08 | 14.84 | 3.31 | 6.1 | This Study | H/K/Q |
| IUBC-393 | 12839 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.42 | 6.29 | 42.30 | 15.23 | 3.24 | 10.0 | This Study | H/K/Q |
| IUBC-394 | 12840 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.76 | 5.69 | 41.99 | 14.93 | 3.28 | 8.7 | This Study | H/K/Q |
| IUBC-395 | 12841 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.79 | 5.98 | 41.84 | 15.00 | 3.25 | 3.6 | This Study | H/K/Q |
| IUBC-396 | 12842 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.17 | 6.68 | 40.51 | 14.54 | 3.25 | 12.1 | This Study | H/K/Q |
| IUBC-397 | 12843 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.65 | 5.82 | 47.32 | 16.87 | 3.27 | 8.9 | This Study | H/K/Q |
| IUBC-398 | 12844 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.31 | 6.73 | 37.65 | 13.62 | 3.22 | 12.4 | This Study | H/K/Q |
| SUBC-10995 | 12826 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.94 | 6.74 | 41.43 | 14.41 | 3.35 | 7.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | H/K/Q |
| SUBC-10996 | 12827 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.88 | 5.33 | 41.72 | 14.72 | 3.31 | 14.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | H/K/Q |
| SUBC-10997 | 12828 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.88 | 4.29 | 41.53 | 14.62 | 3.31 | 10.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | H/K/Q |
| SUBC-10998 | 12829 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.67 | 5.98 | 41.51 | 14.44 | 3.35 | 11.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | H/K/Q |
| SUBC-10999 | 12830 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -24.03 | 6.73 | 41.70 | 14.60 | 3.33 | 13.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | H/K/Q |
| SUBC-11000 | 12831 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -22.90 | 6.61 | 41.82 | 14.84 | 3.29 | 13.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | H/K/Q |
| SUBC-11001 | 12832 | 3 | Haughey's Fort | NA | 10 | Armagh | Radius | -23.18 | 5.43 | 41.25 | 14.40 | 3.34 | 16.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | H/K/Q |
| IUBC-382 | 12821 | QC Fail | Haughey's Fort | NA | N/A | Armagh | Radius |  |  |  |  |  | 0.0 | This Study | 288 |
| SUBC-11452 | F20297 | 1 | Kilgreany Cave | IG X172944 | 39 | Waterford | Bone | -23.03 | 4.00 | 42.73 | 14.71 | 3.39 | 3.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | KEl.1214 |
| SUBC-11455 | F21292 | 4 | Kilgreany Cave | IG X172944 | 39 | Waterford | Bone | -22.40 | 5.99 | 42.12 | 14.90 | 3.30 | 19.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | K.B.487 |
| SUBC-10959 | 12593 | 2 | Killeen Castle Site A | 05E0303 | 27 | Meath | Cranium | -21.92 | 5.62 | 40.71 | 14.65 | 3.24 | 10.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 6 |
| SUBC-10960 | 12594 | QC Fail | Killeen Castle Site A | 05E0303 | N/A | Meath | Cranium |  |  |  |  |  | 0.0 | This Study | 6 |
| SUBC-11040 | 12929 | 3 | King's Stables | BELUM.AX51; ARM 012:014 | 9 | Armagh | Tibia | -23.42 | 6.62 | 43.39 | 15.04 | 3.36 | 19.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) |  |
| SUBC-11044 | 12935 | 3 | King's Stables | BELUM.AX51; ARM 012:014 | 9 | Armagh | Ulna | -23.45 | 5.65 | 44.42 | 14.89 | 3.48 | 16.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) |  |
| SUBC-11045 | 12936 | 3 | King's Stables | BELUM.AX51; ARM 012:014 | 9 | Armagh | Ulna | -23.50 | 6.71 | 43.46 | 15.02 | 3.37 | 22.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) |  |
| SUBC-11046 | 12937 | 3 | King's Stables | BELUM.AX51; ARM 012:014 | 9 | Armagh | Ulna | -22.72 | 6.55 | 44.16 | 15.00 | 3.43 | 16.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) |  |
| SUBC-11039 | 12928 | QC Fail | King's Stables | BELUM.AX51; ARM 012:014 | N/A | Armagh | Tibia |  |  |  |  |  | 0.0 | This Study |  |
| SUBC-10965 | 12605 | 3 | Knocks 1 | A017/022 | 28 | Meath | Humerus | -22.36 | 6.33 | 40.92 | 14.21 | 3.36 | 9.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 164 |
| UB-6733 | no. 74 | 7 | Legland | AX30.l | 5 | Tyrone | Tarsal/carpal | -23.30 | 7.50 |  |  | 3.20 | ND | Schulting *et al*. 2012 (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | N/A |
| UB-6734 | no. 50 | 7 | Legland | AX30 .2 | 5 | Tyrone | Scapula | -22.60 | 6.80 |  |  | 3.10 | ND | Schulting *et al*. 2012 (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | N/A |
| SUBC-11429 | 12770 | 3 | Lough Gur | E304 | 41 | Limerick | Calcaneus | -23.20 | 7.16 | 43.28 | 14.83 | 3.40 | 6.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 173 |
| SUBC-11430 | 12771 | 3 | Lough Gur | E304 | 41 | Limerick | Calcaneus | -22.87 | 6.90 | 42.58 | 14.71 | 3.38 | 6.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 1554 |
| SUBC-11431 | 12772 | 3 | Lough Gur | E304 | 41 | Limerick | Calcaneus | -22.64 | 6.91 | 43.06 | 14.67 | 3.42 | 7.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 965 |
| SUBC-11432 | 12773 | 3 | Lough Gur | E304 | 41 | Limerick | Calcaneus | -22.58 | 6.15 | 42.80 | 14.62 | 3.42 | 6.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 135 |
| SUBC-11433 | 12774 | 3 | Lough Gur | E304 | 41 | Limerick | Calcaneus | -22.94 | 5.67 | 41.94 | 14.73 | 3.32 | 4.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 1727 |
| IUBC-438 | 15002 | 5 | Lowpark | A020/012 | 15 | Mayo | Tooth | -22.76 | 7.33 | 40.42 | 13.91 | 3.39 | 0.9 | This Study |  |
| SUBC-1345 | 5728 | 7 | Mallin St. Wexford | E2901 | 44 | Wexford | Tibia | -22.27 | 6.34 | 41.75 | 14.49 | 3.37 | 15.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 105 |
| SUBC-1353 | 5698 | 7 | Mallin St. Wexford | E2901 | 44 | Wexford | Humerus | -22.75 | 6.26 | 41.13 | 14.02 | 3.43 | 6.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 111 |
| SUBC-1269 | 5778 | 6 | Market St. Trim | 02E1671 | 26 | Meath | Horn Core | -22.34 | 5.83 | 41.57 | 14.50 | 3.35 | 12.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 17 |
| SUBC-1271 | 5781 | 6 | Market St. Trim | 02E1671 | 26 | Meath | Horn Core | -21.98 | 6.13 | 44.66 | 15.15 | 3.44 | 15.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 17 |
| SUBC-1272 | 5784 | 6 | Market St. Trim | 02E1671 | 26 | Meath | Horn Core | -22.09 | 5.85 | 43.61 | 14.69 | 3.46 | 13.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 17 |
| SUBC-1273 | 5785 | 6 | Market St. Trim | 02E1671 | 26 | Meath | Horn Core | -21.82 | 4.99 | 41.27 | 14.93 | 3.22 | 15.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 17 |
| SUBC-1274 | 5883 | 6 | Market St. Trim | 02E1671 | 26 | Meath | Horn Core | -21.76 | 7.84 | 41.48 | 14.69 | 3.29 | 12.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 17 |
| SUBC-1275 | 5886 | 6 | Market St. Trim | 02E1671 | 26 | Meath | Horn Core | -21.83 | 8.53 | 42.46 | 14.94 | 3.32 | 12.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 17 |
| SUBC-1276 | 5887 | 6 | Market St. Trim | 02E1671 | 26 | Meath | Horn Core | -22.00 | 8.24 | 40.32 | 14.80 | 3.18 | 14.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 17 |
| SUBC-1296 | 5898 | 6 | Market St. Trim | 02E1671 | 26 | Meath | Horn Core | -22.27 | 6.23 | 42.10 | 14.78 | 3.33 | 14.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 215 |
| SUBC-1279 | 5738 | 7 | Market St. Trim | 02E1671 | 26 | Meath | Horn Core | -22.85 | 8.52 | 41.58 | 14.74 | 3.29 | 15.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 62 |
| SUBC-1286 | 5813 | 7 | Market St. Trim | 02E1671 | 26 | Meath | Horn Core | -22.44 | 5.46 | 41.86 | 14.21 | 3.44 | 12.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 167 |
| SUBC-1297 | 5710 | 7 | Market St. Trim | 02E1671 | 26 | Meath | Mandible | -22.44 | 8.12 | 42.32 | 14.39 | 3.43 | 17.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 220 |
| SUBC-1301 | 5849 | 7 | Market St. Trim | 02E1671 | 26 | Meath | Cranium | -21.88 | 7.45 | 41.84 | 15.00 | 3.26 | 14.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 290 |
| SUBC-1302 | 5768 | 7 | Market St. Trim | 02E1671 | 26 | Meath | Horn Core | -22.10 | 5.10 | 42.54 | 14.96 | 3.32 | 16.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 296 |
| SUBC-1303 | 5769 | 7 | Market St. Trim | 02E1671 | 26 | Meath | Horn Core | -22.46 | 7.16 | 42.95 | 14.52 | 3.45 | 11.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 296 |
| SUBC-1304 | 5770 | 7 | Market St. Trim | 02E1671 | 26 | Meath | Horn Core | -22.38 | 6.65 | 44.54 | 15.45 | 3.37 | 16.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 296 |
| SUBC-1270 | 5779 | QC Fail | Market St. Trim | 02E1671 | N/A | Meath | Horn Core | -22.81 | 6.84 | 40.00 | 12.94 | 3.67 | 11.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 17 |
| SUBC-1277 | 5888 | QC Fail | Market St. Trim | 02E1671 | N/A | Meath | Horn Core | -22.51 | 9.32 | 41.82 | 13.86 | 3.52 | 17.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 17 |
| SUBC-10973 | 12644 | 4 | Morett | 03E461 | 50 | Laois | Scapula | -22.21 | 5.86 | 40.29 | 14.18 | 3.31 | 6.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 334 |
| SUBC-10974 | 12645 | 4 | Morett | 03E461 | 50 | Laois | Scapula | -22.87 | 5.17 | 40.33 | 14.08 | 3.34 | 4.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 334 |
| SUBC-10976 | 12647 | 4 | Morett | 03E461 | 50 | Laois | Scapula | -22.39 | 6.01 | 40.68 | 14.03 | 3.38 | 5.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 13 |
| SUBC-10977 | 12648 | 4 | Morett | 03E461 | 50 | Laois | Scapula | -22.39 | 7.85 | 40.62 | 14.07 | 3.37 | 7.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 13 |
| SUBC-11575 | 12750 | QC Fail | Morett | 03E461 | N/A | Laois | Scapula | -23.73 | 4.59 | 40.70 | 13.24 | 3.59 | 4.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 13 |
| IUBC-127 | 5755 | 5 | Mountgorry | 04E1604 | 29 | Dublin | Scapula | -22.35 | 6.92 | 41.55 | 15.08 | 3.21 | ND | This Study | 450 |
| IUBC-130 | 5846 | 5 | Mountgorry | 04E1604 | 29 | Dublin | Scapula | -21.94 | 6.84 | 42.48 | 15.14 | 3.27 | ND | This Study | 449 |
| IUBC-135 | 6132 | 5 | Mountgorry | 04E1604 | 29 | Dublin | Scapula | -22.23 | 5.08 | 42.49 | 15.17 | 3.27 | ND | This Study | 003 |
| IUBC-136 | 6133 | 5 | Mountgorry | 04E1604 | 29 | Dublin | Scapula | -22.28 | 5.08 | 41.87 | 14.98 | 3.26 | ND | This Study | 003 |
| IUBC-137 | 6277 | 5 | Mountgorry | 04E1604 | 29 | Dublin | Scapula | -22.11 | 7.58 | 42.31 | 15.20 | 3.25 | ND | This Study | 449 |
| IUBC-138 | 6278 | 5 | Mountgorry | 04E1604 | 29 | Dublin | Scapula | -22.32 | 4.69 | 41.41 | 14.65 | 3.30 | ND | This Study | 449 |
| IUBC-139 | 6279 | 5 | Mountgorry | 04E1604 | 29 | Dublin | Scapula | -21.79 | 5.80 | 42.57 | 15.38 | 3.23 | 10.5 | This Study | 449 |
| IUBC-141 | 6292 | 5 | Mountgorry | 04E1604 | 29 | Dublin | Scapula | -21.87 | 7.17 | 41.91 | 15.15 | 3.23 | 3.5 | This Study | 453 |
| IUBC-148 | 6449 | 5 | Mountgorry | 04E1604 | 29 | Dublin | Scapula | -22.16 | 7.58 | 41.94 | 15.14 | 3.23 | 15.6 | This Study | 068 |
| IUBC-149 | 6473 | 5 | Mountgorry | 04E1604 | 29 | Dublin | Scapula | -22.23 | 7.27 | 41.58 | 14.99 | 3.23 | 1.7 | This Study | 150 |
| IUBC-150 | 6488 | 5 | Mountgorry | 04E1604 | 29 | Dublin | Scapula | -22.16 | 6.69 | 41.55 | 14.98 | 3.23 | 4.9 | This Study | 150 |
| IUBC-151 | 6508 | 5 | Mountgorry | 04E1604 | 29 | Dublin | Scapula | -22.20 | 6.95 | 42.03 | 15.14 | 3.24 | 14.3 | This Study | 154 |
| SUBC-11611 | 5691 | 5 | Mountgorry | 04E1604 | 29 | Dublin | Scapula | -22.66 | 6.04 | 40.15 | 13.72 | 3.41 | 2.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 146/147 |
| SUBC-11620 | 5891 | 5 | Mountgorry | 04E1604 | 29 | Dublin | Scapula | -22.67 | 6.10 | 40.30 | 14.44 | 3.26 | 9.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 453 |
| SUBC-11622 | 6001 | 5 | Mountgorry | 04E1604 | 29 | Dublin | Scapula | -22.72 | 6.27 | 40.68 | 14.26 | 3.33 | 8.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 445 |
| SUBC-11624 | 6073 | 5 | Mountgorry | 04E1604 | 29 | Dublin | Scapula | -22.08 | 7.26 | 38.97 | 13.40 | 3.39 | 6.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 449 |
| SUBC-11617 | 5849 | QC Fail | Mountgorry | 04E1604 | N/A | Dublin | Scapula |  |  |  |  |  | 0.0 | This Study | 449 |
| NA | NAV21 | 4 | Navan Fort | ARM 012:015 | 8 | Armagh | Mandibular M2, | -23.40 | 5.50 | 23.00 | 7.90 | 3.40 | ND | Madgwick *et al*. 2019 | N/A |
| NA | NAV18 | 4 | Navan Fort | ARM 012:015 | 8 | Armagh | Mandibular M2, | -22.80 | 5.40 | 32.50 | 11.40 | 3.32 | ND | Madgwick *et al*. 2019 | N/A |
| NA | NAV19 | 4 | Navan Fort | ARM 012:015 | 8 | Armagh | Mandibular M1, | -22.70 | 5.50 | 18.90 | 6.60 | 3.34 | ND | Madgwick *et al*. 2019 | N/A |
| NA | NAV23 | 4 | Navan Fort | ARM 012:015 | 8 | Armagh | Maxillary M2 | -22.20 | 5.70 | 37.50 | 13.20 | 3.31 | ND | Madgwick *et al*. 2019 | N/A |
| NA | NAV22 | 4 | Navan Fort | ARM 012:015 | 8 | Armagh | Maxillary M2 | -22.30 | 5.90 | 38.40 | 13.70 | 3.27 | ND | Madgwick *et al*. 2019 | N/A |
| NA | NAV20 | 4 | Navan Fort | ARM 012:015 | 8 | Armagh | Mandibular M1, | -21.90 | 3.60 | 36.70 | 13.00 | 3.29 | ND | Madgwick *et al*. 2019 | N/A |
| NA | NAV25 | 4 | Navan Fort | ARM 012:015 | 8 | Armagh | Maxillary M3 | -22.30 | 5.40 | 38.90 | 13.90 | 03.26 | ND | Madgwick *et al*. 2019 | N/A |
| NA | NAV26 | 4 | Navan Fort | ARM 012:015 | 8 | Armagh | Maxillary dp4 | -22.10 | 6.70 | 31.30 | 11.00 | 2.32 | ND | Madgwick *et al*. 2019 | N/A |
| SUBC-11052 | 12945 | 4 | Navan Fort Site A | ARM 012:015 | 8 | Armagh | Metatarsal | -22.50 | 6.36 | 43.35 | 14.47 | 3.49 | 12.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) |  |
| IUBC-409 | 12876 | 4 | Navan Fort Site B | ARM 012:015 | 8 | Armagh | Metacarpal | -22.91 | 7.36 | 41.53 | 15.47 | 3.13 | 1.1 | This Study | 580 |
| IUBC-410 | 12877 | 4 | Navan Fort Site B | ARM 012:015 | 8 | Armagh | Metacarpal | -22.80 | 7.08 | 42.99 | 15.58 | 3.22 | 12.5 | This Study | 28 |
| IUBC-411 | 12878 | 4 | Navan Fort Site B | ARM 012:015 | 8 | Armagh | Metacarpal | -22.84 | 6.01 | 42.98 | 15.20 | 3.30 | 17.8 | This Study |  |
| IUBC-435 | 12921 | 4 | Navan Fort Site B | ARM 012:015 | 8 | Armagh | Metacarpal | -22.22 | 6.18 | 40.38 | 14.73 | 3.20 | 2.3 | This Study | 183 |
| IUBC-436 | 12922 | 4 | Navan Fort Site B | ARM 012:015 | 8 | Armagh | Metacarpal | -22.13 | 5.78 | 41.70 | 15.21 | 3.20 | 12.4 | This Study | 235 |
| SUBC-11011 | 12869 | 4 | Navan Fort Site B | ARM 012:015 | 8 | Armagh | Metacarpal | -22.80 | 7.29 | 41.25 | 14.62 | 3.29 | 16.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 152 |
| SUBC-11012 | 12870 | 4 | Navan Fort Site B | ARM 012:015 | 8 | Armagh | Metacarpal | -22.58 | 6.28 | 41.34 | 14.50 | 3.32 | 9.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 252 |
| SUBC-11013 | 12871 | 4 | Navan Fort Site B | ARM 012:015 | 8 | Armagh | Metacarpal | -22.69 | 6.55 | 41.49 | 14.61 | 3.31 | 16.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 152 |
| SUBC-11014 | 12872 | 4 | Navan Fort Site B | ARM 012:015 | 8 | Armagh | Metacarpal | -23.31 | 6.65 | 40.57 | 13.87 | 3.41 | 7.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 152 |
| SUBC-11015 | 12873 | 4 | Navan Fort Site B | ARM 012:015 | 8 | Armagh | Metacarpal | -22.42 | 6.36 | 41.37 | 14.73 | 3.28 | 17.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 598 |
| SUBC-11016 | 12874 | 4 | Navan Fort Site B | ARM 012:015 | 8 | Armagh | Metacarpal | -22.38 | 7.13 | 41.47 | 14.77 | 3.28 | 12.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | C3 |
| SUBC-11017 | 12875 | QC Fail | Navan Fort Site B | ARM 012:015 | N/A | Armagh | Metacarpal |  |  |  |  |  | 0.0 | This Study | 154 |
| IUBC-171 | 5889 | 5 | Navan inner relief road, Site 1 | 06E0274 | 23 | Meath | Scapula | -21.81 | 7.94 | 41.60 | 14.87 | 3.26 | 4.3 | This Study | 198 |
| IUBC-172 | 5913 | 5 | Navan inner relief road, Site 1 | 06E0274 | 23 | Meath | Scapula | -21.76 | 8.19 | 41.44 | 14.93 | 3.24 | 7.8 | This Study | 156 |
| IUBC-173 | 5926 | 5 | Navan inner relief road, Site 1 | 06E0274 | 23 | Meath | Scapula | -22.04 | 6.57 | 41.55 | 14.97 | 3.24 | 6.2 | This Study | 178 |
| IUBC-175 | 6125 | 5 | Navan inner relief road, Site 1 | 06E0274 | 23 | Meath | Scapula | -21.88 | 7.50 | 40.84 | 14.84 | 3.21 | 0.9 | This Study | 069 |
| IUBC-176 | 6319 | 5 | Navan inner relief road, Site 1 | 06E0274 | 23 | Meath | Scapula | -21.80 | 7.47 | 40.70 | 14.69 | 3.23 | 3.0 | This Study | 012 |
| SUBC-11644 | 6221 | 5 | Navan inner relief road, Site 1 | 06E0274 | 23 | Meath | Scapula | -22.47 | 6.90 | 40.30 | 13.55 | 3.47 | 11.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 003 |
| SUBC-11648 | 6308 | 5 | Navan inner relief road, Site 1 | 06E0274 | 23 | Meath | Scapula | -22.71 | 7.86 | 40.52 | 13.72 | 3.44 | 8.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 017 |
| SUBC-11643 | 6220 | QC Fail | Navan inner relief road, Site 1 | 06E0274 | 23 | Meath | Scapula | -22.87 | 9.06 | 40.01 | 13.13 | 3.55 | 6.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 003 |
| SUBC-11646 | 6296 | QC Fail | Navan inner relief road, Site 1 | 06E0274 | 23 | Meath | Scapula | -22.82 | 7.47 | 40.01 | 12.97 | 3.60 | 5.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 019 |
| SUBC-11647 | 6305 | QC Fail | Navan inner relief road, Site 1 | 06E0274 | 23 | Meath | Scapula | -22.95 | 7.91 | 39.54 | 12.86 | 3.59 | 7.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 013 |
| SUBC-11653 | 5956 | 5 | Navan inner relief road, Site 2 | 06E0024 | 23 | Meath | Radius | -22.49 | 6.51 | 40.26 | 14.18 | 3.31 | 7.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 2102 |
| SUBC-11654 | 6008 | 5 | Navan inner relief road, Site 2 | 06E0024 | 23 | Meath | Radius | -21.89 | 8.31 | 40.06 | 14.19 | 3.29 | 10.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 2101 |
| IUBC-177 | 5738 | 5 | Navan inner relief road, Site 2&3 | 06E0024 | 23 | Meath | Radius | -21.97 | 7.98 | 41.58 | 14.90 | 3.26 | 0.9 | This Study | 2029 |
| IUBC-178 | 5743 | 5 | Navan inner relief road, Site 2&3 | 06E0024 | 23 | Meath | Radius | -22.49 | 6.59 | 41.70 | 14.93 | 3.26 | 4.4 | This Study | 2084 |
| IUBC-179 | 5768 | 5 | Navan inner relief road, Site 2&3 | 06E0024 | 23 | Meath | Radius | -22.37 | 8.17 | 41.55 | 14.84 | 3.27 | 5.9 | This Study | 2044 |
| IUBC-180 | 5777 | 5 | Navan inner relief road, Site 2&3 | 06E0024 | 23 | Meath | Radius | -23.05 | 6.11 | 42.16 | 15.07 | 3.26 | 4.9 | This Study | 2079 |
| IUBC-183 | 5860 | 5 | Navan inner relief road, Site 2&3 | 06E0024 | 23 | Meath | Radius | -21.96 | 8.08 | 42.17 | 15.14 | 3.25 | 7.6 | This Study | 2014 |
| IUBC-184 | 5953 | 5 | Navan inner relief road, Site 2&3 | 06E0024 | 23 | Meath | Radius | -21.91 | 7.08 | 38.39 | 13.87 | 3.23 | 0.9 | This Study | 2102 |
| IUBC-188 | 6135 | 5 | Navan inner relief road, Site 2&3 | 06E0024 | 23 | Meath | Metacarpal | -22.19 | 8.12 | 41.80 | 15.10 | 3.23 | 2.5 | This Study | 3031 |
| IUBC-190 | 6156 | 5 | Navan inner relief road, Site 2&3 | 06E0024 | 23 | Meath | Metacarpal | -21.58 | 7.07 | 40.61 | 14.44 | 3.28 | 0.9 | This Study | 3093 |
| IUBC-191 | 6171 | 5 | Navan inner relief road, Site 2&3 | 06E0024 | 23 | Meath | Metacarpal | -22.01 | 7.29 | 41.47 | 14.81 | 3.27 | 5.2 | This Study | 3055 |
| IUBC-467 | 15017 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.95 | 6.74 | 40.60 | 14.56 | 3.25 | 4.5 | This Study | West OGL+g/q |
| IUBC-468 | 15018 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.63 | 6.17 | 40.51 | 14.56 | 3.24 | 4.2 | This Study | West OGL+g/q |
| IUBC-469 | 15019 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.76 | 6.20 | 38.64 | 13.79 | 3.27 | 4.4 | This Study | West OGL+g/q |
| IUBC-470 | 15020 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.77 | 5.23 | 40.37 | 14.52 | 3.24 | 5.9 | This Study | West OGL+g/q |
| IUBC-471 | 15021 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.84 | 6.57 | 40.15 | 14.43 | 3.25 | 5.3 | This Study | West OGL+g/q |
| IUBC-472 | 15022 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.12 | 5.88 | 40.79 | 14.62 | 3.25 | 7.7 | This Study | West OGL+g/q |
| IUBC-473 | 15023 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.43 | 6.40 | 42.57 | 14.94 | 3.32 | 5.6 | This Study | West OGL+g/q |
| IUBC-474 | 15024 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.69 | 7.63 | 42.01 | 14.60 | 3.35 | 5.1 | This Study | West OGL+g/q |
| IUBC-475 | 15025 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.89 | 5.20 | 42.37 | 14.88 | 3.32 | 6.6 | This Study | West OGL+g/q |
| IUBC-476 | 15026 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.43 | 5.47 | 41.53 | 14.71 | 3.29 | 2.4 | This Study | East OGL+pits |
| IUBC-477 | 15027 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.80 | 7.01 | 41.91 | 14.64 | 3.34 | 9.2 | This Study | East OGL+pits |
| IUBC-478 | 15028 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.88 | 7.29 | 41.33 | 14.49 | 3.33 | 4.2 | This Study | East OGL+pits |
| IUBC-479 | 15029 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -21.85 | 5.21 | 42.90 | 15.20 | 3.29 | 26.6 | This Study | East OGL+pits |
| IUBC-480 | 15030 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.77 | 5.58 | 41.93 | 14.70 | 3.33 | 3.8 | This Study | East OGL+pits |
| IUBC-481 | 15031 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.74 | 6.76 | 41.12 | 14.34 | 3.34 | 8.5 | This Study | East OGL+pits |
| IUBC-482 | 15032 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.43 | 6.13 | 42.10 | 14.80 | 3.32 | 5.0 | This Study | East OGL+pits |
| IUBC-483 | 15033 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.43 | 4.96 | 42.64 | 15.00 | 3.31 | 13.1 | This Study | East OGL+pits |
| IUBC-484 | 15034 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.50 | 6.10 | 42.12 | 14.97 | 3.28 | 13.6 | This Study | East OGL+pits |
| IUBC-485 | 15035 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.39 | 4.75 | 42.09 | 14.91 | 3.29 | 10.6 | This Study | East OGL+pits |
| IUBC-486 | 15036 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.12 | 5.97 | 41.70 | 14.70 | 3.31 | 16.7 | This Study | East OGL+pits |
| IUBC-487 | 15037 | 2 | Newgrange | NA | 16 | 16Meath | Calcaneus | -22.10 | 7.18 | 40.52 | 14.11 | 3.35 | 5.1 | This Study | East OGL+pits |
| IUBC-488 | 15038 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.81 | 6.82 | 42.63 | 14.74 | 3.37 | 12.3 | This Study | East OGL+pits |
| IUBC-489 | 15039 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.23 | 8.32 | 41.37 | 14.33 | 3.37 | 9.9 | This Study | East OGL+pits |
| IUBC-490 | 15040 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.58 | 4.88 | 41.88 | 14.99 | 3.26 | 6.4 | This Study | East OGL+pits |
| IUBC-491 | 15041 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.85 | 7.64 | 42.23 | 14.96 | 3.29 | 6.1 | This Study | East OGL+pits |
| IUBC-493 | 15043 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.48 | 6.05 | 42.25 | 14.44 | 3.41 | 13.3 | This Study | East OGL+pits |
| IUBC-494 | 15044 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.46 | 5.78 | 41.84 | 14.77 | 3.30 | 4.5 | This Study | Cut 24-26 |
| IUBC-495 | 15045 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.91 | 7.80 | 41.34 | 14.87 | 3.24 | 10.2 | This Study | Cut 24-26 |
| IUBC-496 | 15046 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.53 | 5.09 | 41.86 | 15.15 | 3.22 | 12.6 | This Study | Cut 24-26 |
| IUBC-497 | 15047 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.19 | 5.68 | 42.22 | 15.24 | 3.23 | 13.6 | This Study | Cut 24-26 |
| IUBC-498 | 15048 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.82 | 5.65 | 41.11 | 15.17 | 3.16 | 3.9 | This Study | Cut 24-26 |
| IUBC-499 | 15049 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.46 | 5.38 | 41.28 | 15.10 | 3.19 | 7.1 | This Study | Cut 24-26 |
| IUBC-500 | 15052 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.02 | 6.46 | 41.59 | 15.28 | 3.18 | 4.6 | This Study | Cut 24-26 |
| SUBC-10986 | 12723 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -24.11 | 7.35 | 40.06 | 13.56 | 3.44 | 4.3 | This Study | West OGL+g/q |
| SUBC-10987 | 12724 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -23.61 | 5.87 | 41.15 | 13.91 | 3.45 | 2.8 | This Study | West OGL+g/q |
| SUBC-10988 | 12725 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.19 | 8.61 | 40.68 | 14.19 | 3.34 | 9.6 | This Study | West OGL+g/q |
| SUBC-10989 | 12726 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.16 | 7.49 | 40.81 | 14.40 | 3.31 | 9.6 | This Study | West OGL+g/q |
| SUBC-11441 | 15050 | 2 | Newgrange | NA | 16 | Meath | Calcaneus | -22.47 | 6.41 | 43.20 | 14.58 | 3.46 | 13.2 | This Study | Cut 24-26 |
| IUBC-492 | 15042 | QC Fail | Newgrange | NA | N/A | Meath | Calcaneus |  |  |  |  |  | 0.0 | This Study | East OGL+pits |
| SUBC-10985 | 12722 | QC Fail | Newgrange | NA | N/A | Meath | Calcaneus | -24.12 | 5.18 | 40.00 | 13.25 | 3.52 | 3.9 | This Study | West OGL+g/q |
| SUBC-11442 | 15051 | QC Fail | Newgrange | NA | N/A | Meath | Calcaneus | -23.80 | 6.25 | 30.03 | 9.52 | 3.68 | 3.6 | This Study | Cut 24-26 |
| SUBC-1311 | 5726 | 7 | Newtownstewart | SMR TYR 17:47 | 4 | Tyrone | Metatarsal | -21.87 | 5.08 | 40.03 | 13.51 | 3.46 | 12.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 100 |
| SUBC-1313 | 5659 | 7 | Newtownstewart | SMR TYR 17:47 | 4 | Tyrone | Metatarsal | -21.83 | 4.50 | 41.64 | 14.66 | 3.32 | 13.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 216 |
| SUBC-1315 | 5663 | 7 | Newtownstewart | SMR TYR 17:47 | 4 | Tyrone | Metatarsal | -22.74 | 5.49 | 41.89 | 14.01 | 3.49 | 10.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 408 |
| TEAL-17827 | 5803 | 7 | Newtownstewart | SMR TYR 17:47 | 4 | Tyrone | Metatarsal | -21.83 | 6.38 | 31.99 | 12.06 | 3.09 | 9.9 | This Study | 314 |
| TEAL-17828 | 5668 | 7 | Newtownstewart | SMR TYR 17:47 | 4 | Tyrone | Metatarsal | -21.69 | 6.10 | 41.60 | 15.16 | 3.20 | 8.8 | This Study | 672 |
| SUBC-1206 | 6367 | 6 | Nobber | 07E0345 | 14 | Meath | Mandible | -22.95 | 6.22 | 43.89 | 14.69 | 3.48 | 7.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 25 |
| SUBC-1212 | 6977 | 6 | Nobber | 07E0345 | 14 | Meath | Mandible | -21.76 | 8.54 | 43.93 | 14.80 | 3.46 | 11.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 26 |
| SUBC-1214 | 6721 | 6 | Nobber | 07E0345 | 14 | Meath | Mandible | -22.54 | 5.40 | 44.52 | 15.33 | 3.39 | 13.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 32 |
| SUBC-1218 | 7073 | 6 | Nobber | 07E0345 | 14 | Meath | Scapula | -21.76 | 7.65 | 45.47 | 15.15 | 3.50 | 11.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 37 |
| SUBC-1232 | 6159 | 6 | Nobber | 07E0345 | 14 | Meath | Scapula | -22.23 | 4.25 | 43.98 | 14.84 | 3.46 | 7.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 63 |
| SUBC-1251 | 6022 | 6 | Nobber | 07E0345 | 14 | Meath | Mandible | -23.17 | 5.57 | 42.11 | 14.24 | 3.45 | 10.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 90 |
| SUBC-1255 | 6972 | 6 | Nobber | 07E0345 | 14 | Meath | Mandible | -22.95 | 5.87 | 42.25 | 14.49 | 3.40 | 10.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 142 |
| SUBC-1256 | 6148 | 6 | Nobber | 07E0345 | 14 | Meath | Mandible | -23.61 | 6.58 | 43.70 | 13.85 | 3.39 | 6.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 146 |
| SUBC-1263 | 6322 | 6 | Nobber | 07E0345 | 14 | Meath | Mandible | -22.49 | 5.17 | 38.57 | 12.98 | 3.47 | 7.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 44 |
| SUBC-1182 | 5770 | 7 | Nobber | 07E0345 | 14 | Meath | Mandible | -22.35 | 6.79 | 49.10 | 16.36 | 3.49 | 8.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 10 |
| SUBC-1183 | 5783 | 7 | Nobber | 07E0345 | 14 | Meath | Mandible | -21.82 | 6.60 | 44.17 | 15.23 | 3.38 | 9.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 10 |
| SUBC-1220 | 6596 | 7 | Nobber | 07E0345 | 14 | Meath | Mandible | -22.56 | 5.31 | 41.44 | 14.10 | 3.43 | 9.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 39 |
| SUBC-1253 | 6439 | 7 | Nobber | 07E0345 | 14 | Meath | Mandible | -22.90 | 6.50 | 41.59 | 14.52 | 3.34 | 9.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 128 |
| SUBC-1177 | 7067 | QC Fail | Nobber | 07E0345 | N/A | Meath | Mandible | -22.39 | 8.45 | 42.34 | 13.87 | 3.56 | 6.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 2 |
| SUBC-1200 | 7040 | QC Fail | Nobber | 07E0345 | N/A | Meath | Scapula | -22.46 | 7.38 | 43.66 | 14.39 | 3.54 | 6.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 20 |
| SUBC-1203 | 5674 | QC Fail | Nobber | 07E0345 | N/A | Meath | Mandible | -23.02 | 6.32 | 41.69 | 13.80 | 3.52 | 5.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 25 |
| SUBC-1213 | 5936 | QC Fail | Nobber | 07E0345 | N/A | Meath | Mandible | -22.81 | 5.70 | 43.67 | 14.25 | 3.58 | 6.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 32 |
| SUBC-1261 | 6089 | QC Fail | Nobber | 07E0345 | N/A | Meath | Mandible | -22.45 | 7.89 | 42.03 | 13.53 | 3.74 | 8.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 173 |
| SUBC-1262 | 6146 | QC Fail | Nobber | 07E0345 | N/A | Meath | Mandible | -22.95 | 7.34 | 37.66 | 12.31 | 3.57 | 8.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 1060 |
| UBA-18812 | P4 | 1 | Poulnabrone | NA | 35 | Clare | Radius | -22.51 | 4.57 |  |  | 3.33 | ND | Schulting 2014 | N/A |
| UBA-18814 | NA | 1 | Poulnabrone | NA | 35 | Clare | pelvis | -22.50 | 4.52 |  |  | 3.50 | ND | Schulting 2014 | N/A |
| UBA-18817 | P9 | 2 | Poulnabrone | NA | 35 | Clare | Phalanx 1 | -21.67 | 3.69 |  |  | 3.21 | ND | Schulting 2014 | N/A |
| IUBC-193 | 3209 | 5 | Ratoath | 03E1781 | 21 | Meath | Radius | -21.97 | 6.77 | 41.99 | 15.07 | 3.25 | 3.6 | This Study | 5 |
| IUBC-195 | 4042 | 5 | Ratoath | 03E1781 | 21 | Meath | Radius | -22.92 | 5.91 | 39.78 | 14.06 | 3.30 | 0.8 | This Study | 526 |
| IUBC-197 | 4255 | 5 | Ratoath | 03E1781 | 21 | Meath | Radius | -22.26 | 9.50 | 40.54 | 13.96 | 3.39 | 2.2 | This Study | 515 |
| IUBC-201 | 4448 | 5 | Ratoath | 03E1781 | 21 | Meath | Radius | -21.40 | 7.83 | 40.05 | 14.42 | 3.24 | 2.0 | This Study | 515 |
| IUBC-204 | 4681 | 5 | Ratoath | 03E1781 | 21 | Meath | Radius | -22.22 | 7.58 | 41.38 | 14.82 | 3.26 | 2.7 | This Study | 620 |
| IUBC-205 | 4748 | 5 | Ratoath | 03E1781 | 21 | Meath | Radius | -21.80 | 9.47 | 41.54 | 14.89 | 3.25 | 2.5 | This Study | 515 |
| IUBC-210 | 5129 | 5 | Ratoath | 03E1781 | 21 | Meath | Radius | -22.27 | 8.02 | 41.72 | 15.11 | 3.22 | 6.6 | This Study | 282 |
| IUBC-211 | 5197 | 5 | Ratoath | 03E1781 | 21 | Meath | Radius | -22.66 | 7.68 | 41.75 | 15.13 | 3.22 | 4.3 | This Study | 205 |
| IUBC-212 | 5417 | 5 | Ratoath | 03E1781 | 21 | Meath | Radius | -22.72 | 8.11 | 39.02 | 13.89 | 3.28 | 0.4 | This Study | 360 |
| IUBC-214 | 5674 | 5 | Ratoath | 03E1781 | 21 | Meath | Radius | -21.75 | 8.58 | 41.43 | 15.04 | 3.21 | 0.9 | This Study | 272 |
| SUBC-11660 | 3143 | 5 | Ratoath | 03E1781 | 21 | Meath | Radius | -22.60 | 7.71 | 40.20 | 13.48 | 3.48 | 6.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 5 |
| SUBC-11661 | 3149 | 5 | Ratoath | 03E1781 | 21 | Meath | Radius | -22.47 | 7.12 | 39.33 | 13.52 | 3.39 | 2.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 5 |
| SUBC-11663 | 3272 | 5 | Ratoath | 03E1781 | 21 | Meath | Radius | -22.57 | 8.19 | 39.97 | 13.86 | 3.36 | 4.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 5 |
| SUBC-11669 | 3563 | 5 | Ratoath | 03E1781 | 21 | Meath | Radius | -22.43 | 7.31 | 40.37 | 13.98 | 3.37 | 4.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 23 |
| SUBC-11675 | 4052 | 5 | Ratoath | 03E1781 | 21 | Meath | Radius | -22.60 | 9.03 | 40.39 | 13.91 | 3.39 | 4.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 526 |
| IUBC-335 | 12629 | 2 | Ross Island | 92E081 | 38 | Kerry | Calcaneus | -21.38 | 5.94 | 38.13 | 13.42 | 3.31 | 1.6 | This Study | 3 |
| SUBC-11377 | 12630 | 2 | Ross Island | 92E081 | 38 | Kerry | Astragalus | -22.14 | 4.92 | 41.53 | 15.13 | 3.20 | 5.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) |  |
| SUBC-11378 | 12631 | 2 | Ross Island | 92E081 | 38 | Kerry | Astragalus | -23.17 | 6.17 | 42.21 | 14.83 | 3.32 | 5.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | C07? |
| SUBC-11379 | 12632 | 2 | Ross Island | 92E081 | 38 | Kerry | Astragalus | -22.18 | 5.28 | 42.72 | 14.78 | 3.37 | 10.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 1118 |
| SUBC-11380 | 12633 | 2 | Ross Island | 92E081 | 38 | Kerry | Astragalus | -22.10 | 5.30 | 42.71 | 14.88 | 3.35 | 6.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 3 |
| SUBC-11564 | 12626 | 2 | Ross Island | 92E081 | 38 | Kerry | Humerus | -22.32 | 4.60 | 41.69 | 14.85 | 3.27 | 14.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 3 |
| SUBC-11565 | 12627 | 2 | Ross Island | 92E081 | 38 | Kerry | Long bone | -22.46 | 4.95 | 41.28 | 14.22 | 3.39 | 8.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 3 |
| SUBC-11566 | 12628 | 2 | Ross Island | 92E081 | 38 | Kerry | Ulna | -22.73 | 5.60 | 41.27 | 13.83 | 3.48 | 4.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 3 |
| IUBC-262 | 5729 | 2 | Roughan Hill | 95E0061 | 36 | Clare | Mandibular M1 or M2 | -21.60 | 4.30 | 40.99 | 14.77 | 3.24 | 1.6 | This Study | 20 |
| IUBC-267 | 6149 | 2 | Roughan Hill | 95E0061 | 36 | Clare | Mandibular dp4 | -22.18 | 6.80 | 40.56 | 14.68 | 3.22 | 0.2 | This Study | 4 |
| IUBC-269 | 6177 | 2 | Roughan Hill | 95E0061 | 36 | Clare | Mandibular dp4 | -21.74 | 4.57 | 41.31 | 14.92 | 3.23 | 4.0 | This Study | 14 |
| IUBC-274 | 6395 | 2 | Roughan Hill | 95E0061 | 36 | Clare | Mandibular dp4 | -21.77 | 4.53 | 40.41 | 14.49 | 3.25 | 5.3 | This Study | 10 |
| IUBC-275 | 6413 | 2 | Roughan Hill | 95E0061 | 36 | Clare | Mandibular dp3 | -21.82 | 4.99 | 41.50 | 14.71 | 3.29 | 7.4 | This Study | 10 |
| IUBC-278 | 6534 | 2 | Roughan Hill | 95E0061 | 36 | Clare | Mandibular dp4 | -21.69 | 5.58 | 41.03 | 14.71 | 3.25 | 1.2 | This Study | 2 |
| IUBC-279 | 6547 | 2 | Roughan Hill | 95E0061 | 36 | Clare | Mandibular dp4 | -23.41 | 6.33 | 41.14 | 14.81 | 3.24 | 1.5 | This Study | 22 |
| IUBC-272 | 6212 | QC Fail | Roughan Hill | 95E0061 | N/A | Clare | Mandibular dp4 |  |  |  |  |  | 0.0 | This Study | 18 |
| IUBC-280 | 6550 | QC Fail | Roughan Hill | 95E0061 | N/A | Clare | Mandibular dp3 |  |  |  |  |  | 0.0 | This Study | 22 |
| IUBC-283 | 5948 | 5 | Stalleen | 08E0456 | 17 | Meath | Scapula | -22.17 | 5.72 | 36.07 | 13.23 | 3.18 | 10.0 | This Study | 063 |
| IUBC-284 | 6111 | 5 | Stalleen | 08E0456 | 17 | Meath | Scapula | -21.80 | 6.75 | 37.72 | 13.60 | 3.23 | 0.4 | This Study | 106 |
| IUBC-287 | 7166 | 5 | Stalleen | 08E0456 | 17 | Meath | Ulna | -21.95 | 6.78 | 41.71 | 15.11 | 3.22 | 22.5 | This Study | 217 |
| IUBC-292 | 7431 | 5 | Stalleen | 08E0456 | 17 | Meath | Scapula | -22.08 | 6.29 | 41.71 | 15.25 | 3.19 | 6.7 | This Study | 364 |
| IUBC-295 | 7474 | 5 | Stalleen | 08E0456 | 17 | Meath | Scapula | -21.73 | 6.86 | 41.95 | 15.19 | 3.22 | 18.2 | This Study | 330 |
| IUBC-296 | 7503 | 5 | Stalleen | 08E0456 | 17 | Meath | Calcaneus | -21.89 | 6.50 | 41.50 | 14.92 | 3.24 | 12.4 | This Study | 305 |
| IUBC-298 | 7537 | 5 | Stalleen | 08E0456 | 17 | Meath | Calcaneus | -21.53 | 6.05 | 40.49 | 14.53 | 3.25 | 7.7 | This Study | 369 |
| IUBC-303 | 7723 | 5 | Stalleen | 08E0456 | 17 | Meath | Scapula | -21.80 | 6.73 | 41.53 | 14.98 | 3.23 | 18.0 | This Study | 301 |
| IUBC-307 | 7800 | 5 | Stalleen | 08E0456 | 17 | Meath | Scapula | -21.63 | 6.18 | 42.04 | 15.09 | 3.25 | 5.9 | This Study | 329 |
| IUBC-311 | 7844 | 5 | Stalleen | 08E0456 | 17 | Meath | Scapula | -21.69 | 6.24 | 41.37 | 14.88 | 3.24 | 10.1 | This Study | 329 |
| IUBC-312 | 7845 | 5 | Stalleen | 08E0456 | 17 | Meath | Scapula | -21.98 | 6.41 | 41.67 | 14.97 | 3.25 | 5.5 | This Study | 329 |
| IUBC-314 | 7945 | 5 | Stalleen | 08E0456 | 17 | Meath | Scapula | -22.16 | 7.00 | 43.35 | 15.68 | 3.22 | 12.7 | This Study | 329 |
| SUBC-11693 | 7628 | 5 | Stalleen | 08E0456 | 17 | Meath | Scapula | -21.82 | 5.93 | 40.00 | 14.23 | 3.28 | 12.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 301 |
| SUBC-11696 | 7703 | 5 | Stalleen | 08E0456 | 17 | Meath | Scapula | -21.78 | 6.64 | 39.86 | 14.02 | 3.32 | 10.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 301 |
| SUBC-11698 | 7779 | 5 | Stalleen | 08E0456 | 17 | Meath | Scapula | -21.89 | 5.56 | 39.88 | 14.01 | 3.32 | 15.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 329 |
| SUBC-11697 | 7722 | QC Fail | Stalleen | 08E0456 | N/A | Meath | Scapula | -22.08 | 6.53 | 39.68 | 12.97 | 3.57 | 7.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 301 |
| SUBC-11699 | 7799 | QC Fail | Stalleen | 08E0456 | N/A | Meath | Scapula | -22.58 | 7.80 | 40.05 | 13.31 | 3.51 | 11.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 329 |
| SUBC-11446 | 15118 | QC Fail | Sutton | IG0260390 | N/A | Dublin | Long bone | -23.79 | 4.47 | 42.54 | 13.97 | 3.55 | 4.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | No Data |
| UB-6737 | NA | 6 | Tamnyrankin | AX31.l | 2 | Derry | Femur | -23.80 | 6.10 |  |  | 3.10 | ND | Schulting *et al*. 2012 (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | N/A |
| SUBC-1402 | 2 | 7 | Timberyard | 06E710 | 30 | Dublin | Horn Core | -22.42 | 4.45 | 41.68 | 14.39 | 3.39 | 14.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 227 |
| SUBC-1403.5 | 4 | 7 | Timberyard | 06E710 | 30 | Dublin | Horn Core | -22.47 | 8.43 | 40.17 | 15.10 | 3.11 | 7.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 227 |
| SUBC-1403.7 | 4 | 7 | Timberyard | 06E710 | 30 | Dublin | Horn Core | -22.45 | 7.69 | 43.16 | 14.77 | 3.42 | 11.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 227 |
| SUBC-1404 | 5 | 7 | Timberyard | 06E710 | 30 | Dublin | Horn Core | -22.59 | 8.51 | 39.26 | 14.12 | 3.25 | 5.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 118 |
| SUBC-1405 | 6 | 7 | Timberyard | 06E710 | 30 | Dublin | Horn Core | -22.73 | 8.35 | 43.57 | 14.63 | 3.48 | 8.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 118 |
| SUBC-1411 | 15 | 7 | Timberyard | 06E710 | 30 | Dublin | Horn Core | -22.29 | 6.64 | 38.49 | 13.10 | 3.44 | 5.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 139 |
| SUBC-1412 | 16 | 7 | Timberyard | 06E710 | 30 | Dublin | Horn Core | -22.48 | 4.83 | 40.83 | 13.67 | 3.49 | 9.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 112 |
| SUBC-1413 | 17 | 7 | Timberyard | 06E710 | 30 | Dublin | Horn Core | -23.13 | 8.49 | 37.19 | 12.56 | 3.46 | 4.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 112 |
| SUBC-1414 | 18 | 7 | Timberyard | 06E710 | 30 | Dublin | Horn Core | -22.53 | 5.75 | 43.43 | 15.36 | 3.31 | 9.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 112 |
| SUBC-1416 | 22 | 7 | Timberyard | 06E710 | 30 | Dublin | Horn Core | -22.26 | 5.33 | 39.73 | 15.00 | 3.10 | 14.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 112 |
| SUBC-1417 | 23 | 7 | Timberyard | 06E710 | 30 | Dublin | Horn Core | -21.83 | 7.36 | 41.63 | 15.02 | 3.24 | 16.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 112 |
| SUBC-1419 | 27 | 7 | Timberyard | 06E710 | 30 | Dublin | Horn Core | -22.28 | 6.45 | 43.38 | 14.72 | 3.45 | 15.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 227 |
| SUBC-1420 | 30 | 7 | Timberyard | 06E710 | 30 | Dublin | Horn Core | -22.41 | 6.61 | 42.22 | 15.60 | 3.17 | 15.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 227 |
| SUBC-1422 | 33 | 7 | Timberyard | 06E710 | 30 | Dublin | Horn Core | -22.47 | 8.65 | 43.03 | 14.80 | 3.40 | 12.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 227 |
| SUBC-1426 | 5699 | 7 | Timberyard | 06E710 | 30 | Dublin | Scapula | -22.91 | 7.10 | 41.34 | 14.22 | 3.40 | 7.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 103 |
| SUBC-1433 | 5734 | 7 | Timberyard | 06E710 | 30 | Dublin | Femur | -22.16 | 6.66 | 43.09 | 14.74 | 3.42 | 12.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 294 |
| SUBC-1403.1 | 4 | QC Fail | Timberyard | 06E710 | N/A | Dublin | Horn Core | -23.00 | 7.04 | 43.50 | 13.47 | 3.78 | 8.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 227 |
| SUBC-1406 | 7 | QC Fail | Timberyard | 06E710 | N/A | Dublin | Horn Core | -22.76 | 6.34 | 40.18 | 12.38 | 3.79 | 7.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 118 |
| SUBC-1407 | 9 | QC Fail | Timberyard | 06E710 | N/A | Dublin | Horn Core | -23.43 | 4.25 | 38.58 | 10.88 | 4.16 | 2.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 137 |
| SUBC-1408 | 10 | QC Fail | Timberyard | 06E710 | N/A | Dublin | Horn Core | -23.00 | 6.94 | 41.20 | 12.65 | 3.81 | 7.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 137 |
| SUBC-1410 | 14 | QC Fail | Timberyard | 06E710 | N/A | Dublin | Horn Core | -22.92 | 6.73 | 39.29 | 11.66 | 3.95 | 6.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 139 |
| SUBC-1418 | 25 | QC Fail | Timberyard | 06E710 | N/A | Dublin | Horn Core | -22.14 | 7.89 | 41.07 | 13.69 | 3.51 | 6.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 112 |
| SUBC-1421 | 32 | QC Fail | Timberyard | 06E710 | N/A | Dublin | Horn Core | -22.42 | 8.60 | 44.70 | 14.89 | 3.51 | 13.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 227 |
| SUBC-1423 | 42 | QC Fail | Timberyard | 06E710 | N/A | Dublin | Horn Core | -22.42 | 7.05 | 42.01 | 13.71 | 3.58 | 7.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 261 |
| SUBC-1451 | 5861 | QC Fail | Timberyard | 06E710 | N/A | Dublin | Humerus | -21.96 | 6.86 | 47.14 | 14.43 | 3.82 | 13.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 28 |
| SUBC-10931 | 6500 | 4 | Trim Townparks South | 06E2016 | 18 | Meath | Ulna | -22.97 | 5.95 | 42.41 | 14.64 | 3.38 | 15.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 132 |
| SUBC-10932 | 6507 | 4 | Trim Towparks South | 06E2016 | 18 | Meath | Ulna | -22.59 | 7.79 | 42.61 | 14.19 | 3.50 | 12.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 132 |
| SUBC-11700 | 6499 | 4 | Trim Towparks South | 06E2016 | 18 | Meath | Ulna | -22.65 | 5.86 | 41.88 | 14.19 | 3.44 | 6.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 132 |
| SUBC-1155 | 6450 | 5 | Trim Townparks South | 06E2016 | 18 | Meath | Radius | -22.19 | 6.15 | 40.51 | 14.03 | 3.37 | 14.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 734 |
| SUBC-1161 | 6375 | 5 | Trim Townparks South | 06E2016 | 18 | Meath | Radius | -22.41 | 7.58 | 43.01 | 14.64 | 3.43 | 15.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 795 |
| SUBC-1162 | 6099 | 5 | Trim Townparks South | 06E2016 | 18 | Meath | Radius | -22.83 | 6.84 | 43.38 | 14.66 | 3.45 | 15.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 807 |
| SUBC-1164 | 6341 | 5 | Trim Townparks South | 06E2016 | 18 | Meath | Radius | -22.76 | 6.27 | 43.33 | 14.46 | 3.50 | 17.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 828 |
| SUBC-1105 | 6878 | 6 | Trim Townparks South | 06E2016 | 18 | Meath | Metatarsal | -21.94 | 8.36 | 42.88 | 14.50 | 3.45 | 15.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 200 |
| SUBC-1110 | 6822 | 6 | Trim Townparks South | 06E2016 | 18 | Meath | Mandible | -22.29 | 6.26 | 42.62 | 14.43 | 3.45 | 10.7 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 250 |
| SUBC-1120 | 6270 | 6 | Trim Townparks South | 06E2016 | 18 | Meath | Mandible | -22.42 | 7.72 | 40.64 | 13.60 | 3.49 | 10.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 322 |
| SUBC-1125 | 6181 | 6 | Trim Townparks South | 06E2016 | 18 | Meath | Metatarsal | -21.83 | 7.37 | 42.54 | 14.75 | 3.36 | 15.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 340 |
| SUBC-1129 | 7030 | 6 | Trim Townparks South | 06E2016 | 18 | Meath | Metatarsal | -22.86 | 6.73 | 43.07 | 14.94 | 3.36 | 9.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 346 |
| SUBC-1134 | 5671 | 6 | Trim Townparks South | 06E2016 | 18 | Meath | Metatarsal | -23.04 | 9.97 | 44.48 | 15.22 | 3.41 | 9.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 410 |
| SUBC-1141 | 5823 | 6 | Trim Townparks South | 06E2016 | 18 | Meath | Mandible | -21.63 | 8.99 | 42.93 | 14.86 | 3.37 | 12.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 518 |
| SUBC-1152 | 6085 | 6 | Trim Townparks South | 06E2016 | 18 | Meath | Mandible | -21.83 | 8.16 | 42.31 | 14.92 | 3.31 | 10.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 628 |
| SUBC-1153 | 6463 | 6 | Trim Townparks South | 06E2016 | 18 | Meath | Mandible | -21.38 | 7.24 | 42.23 | 15.39 | 3.20 | 14.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 659 |
| SUBC-1154 | 6958 | 6 | Trim Townparks South | 06E2016 | 18 | Meath | Mandible | -22.17 | 5.44 | 41.97 | 14.11 | 3.47 | 7.6 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 733 |
| SUBC-1158 | 6715 | 6 | Trim Townparks South | 06E2016 | 18 | Meath | Metatarsal | -21.93 | 7.66 | 42.74 | 14.88 | 3.36 | 15.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 759 |
| SUBC-1159 | 6739 | 6 | Trim Townparks South | 06E2016 | 18 | Meath | Mandible | -23.32 | 6.81 | 42.39 | 14.84 | 3.34 | 13.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 779 |
| SUBC-1108 | 5811 | 7 | Trim Townparks South | 06E2016 | 18 | Meath | Scapula | -22.33 | 5.79 | 44.94 | 14.05 | 3.45 | 13.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 241 |
| SUBC-1127 | 5882 | 7 | Trim Townparks South | 06E2016 | 18 | Meath | Metatarsal | -22.64 | 8.04 | 43.85 | 15.19 | 3.37 | 13.9 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 341 |
| SUBC-1146 | 6088 | 7 | Trim Townparks South | 06E2016 | 18 | Meath | Mandible | -22.58 | 5.16 | 45.02 | 15.87 | 3.31 | 15.2 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 532 |
| SUBC-1095 | 5828 | QC Fail | Trim Townparks South | 06E2016 | N/A | Meath | Tibia | -22.42 | 5.91 | 44.02 | 14.60 | 3.52 | 8.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 005 |
| SUBC-1103 | 6038 | QC Fail | Trim Townparks South | 06E2016 | N/A | Meath | Mandible | -22.36 | 5.57 | 42.95 | 14.17 | 3.54 | 9.5 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 161 |
| SUBC-1109 | 5812 | QC Fail | Trim Townparks South | 06E2016 | N/A | Meath | Scapula | -22.68 | 6.89 | 41.88 | 13.77 | 3.55 | 7.0 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 241 |
| SUBC-1113 | 5693 | QC Fail | Trim Townparks South | 06E2016 | N/A | Meath | Calcaneus | -23.19 | 4.91 | 43.67 | 12.02 | 4.24 | 6.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 268 |
| SUBC-1133 | 5663 | QC Fail | Trim Townparks South | 06E2016 | N/A | Meath | Metatarsal | -23.20 | 8.18 | 42.45 | 13.99 | 3.54 | 8.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 410 |
| SUBC-1138 | 6271 | QC Fail | Trim Townparks South | 06E2016 | N/A | Meath | Mandible | -23.12 | 6.29 | 42.83 | 13.46 | 3.71 | 6.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 483 |
| SUBC-1145 | 6724 | QC Fail | Trim Townparks South | 06E2016 | N/A | Meath | Mandible | -22.53 | 6.04 | 43.07 | 13.59 | 3.70 | 5.3 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 518 |
| SUBC-10961 | 12597 | 2 | Tullahedy | A026/002 97E472 | 42 | Tipperary | Metatarsal | -22.29 | 5.68 | 40.32 | 13.74 | 3.42 | 5.8 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 78 |
| SUBC-11048 | 12939 | 2 | Whitepark Bay | BELUM.AX53; Not in SMR | 1 | Antrim | Calcaneus | -22.39 | 5.05 | 43.02 | 14.60 | 3.44 | 6.1 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) |  |
| SUBC-11049 | 12940 | 2 | Whitepark Bay | BELUM.AX53; Not in SMR | 1 | Antrim | Calcaneus | -22.60 | 4.50 | 43.38 | 14.49 | 3.49 | 10.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) |  |
| SUBC-11415 | 12755 | 3 | Williamstown/Bawn 2 | A023/006 | 19 | Meath | Humerus | -22.75 | 6.52 | 43.19 | 14.65 | 3.44 | 14.4 | This Study (*δ*13C), Guiry *et al*. 2018 (*δ*15N) | 76 |

**Table S3. Summary of results from Newgrange radiocarbon dates. Full results below.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Isotope Lab No.** | **REC ID** | **Context** | **Lab ID** | **14C Age (BP)** | | | **F14C** | | | **2σ Range (BC)** | | | **Median (2σ)** |
| SUBC 10985 | 12722 | West OGL+g/q | UOC-16268 | 4144 | ± | 36 | 0.5970 | ± | 0.0027 | 2877 | to | 2583 | 2739 |
| IUBC 478 | 15028 | East OGL+pits | UOC-16269 | 3866 | ± | 32 | 0.6180 | ± | 0.0024 | 2460 | to | 2208 | 2346 |
| IUBC 499 | 15049 | Cut 24-26 | UOC-16270 | 4091 | ± | 31 | 0.6009 | ± | 0.0023 | 2861 | to | 2497 | 2648 |

**Full Calibration Results from Newgrange:**

**Lab Code: SUBC 10985**

Radiocarbon Age BP 4144 +/- 36

Calibration data set: intcal20.14c # Reimer *et al*. 2020

% area enclosed cal AD age ranges relative area under

probability distribution

68.3 (1 sigma) cal BC 2867- 2833 0.204

2819- 2802 0.101

2773- 2714 0.350

2708- 2665 0.264

2648- 2634 0.080

95.4 (2 sigma) cal BC 2877- 2621 0.973

2599- 2583 0.027

Median Probability: -2739

**Lab Code: IUBC 478**

Radiocarbon Age BP 3865 +/- 32

Calibration data set: intcal20.14c # Reimer *et al*. 2020

% area enclosed cal AD age ranges relative area under

probability distribution

68.3 (1 sigma) cal BC 2454- 2418 0.228

2407- 2373 0.252

2354- 2288 0.520

95.4 (2 sigma) cal BC 2460- 2280 0.874

2253- 2208 0.126

Median Probability: -2346

**Lab Code: IUBC 499**

Radiocarbon Age BP 4091 +/- 31

Calibration data set: intcal20.14c # Reimer *et al*. 2020

% area enclosed cal AD age ranges relative area under

probability distribution

68.3 (1 sigma) cal BC 2842- 2814 0.202

2671- 2575 0.798

95.4 (2 sigma) cal BC 2861- 2805 0.200

2754- 2720 0.079

2703- 2568 0.663

2527- 2497 0.057

Median Probability: -2648

**Table S4. Accepted (calibration) and observed long-term (check) isotopic compositions and standard deviations (1*σ*) for standards used in this study.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Material** | **Number** | ***δ*13C (‰, VPDB)** | ***δ*15N (‰, AIR)** | **Standard Type** |
| USGS-40 | Glutamic acid | NA | −26.39 | −4.52 | Calibration standard |
| USGS-41 | Glutamic acid | NA | +37.63 | +47.57 | Calibration standard |
| USGS-41a | Glutamic acid | NA | +36.55 | +47.55 | Calibration standard |
| NIST-1577c | Bovine Liver | NA | −17.57 | +8.15 | Check standard |
| MET | Methionine | 1608 | −28.62±0.10 | −5.04±0.14 | Check standard |
| SRM-1 | Caribou bone collagen | 818 | −19.39±0.08 | +1.83±0.16 | Check standard |
| SRM-2 | Walrus bone collagen | 442 | −14.81±0.07 | +15.58±0.15 | Check standard |
| SUBC-1 | Seal bone collagen | 430 | −13.74±0.18 | +17.40±0.35 | Check standard |

**Table S5. Standard deviations for calibration standards for all analytical sessions.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Analytical Session** | **Standard** | **Number** | ***δ*13C (1*σ*)** | ***δ*15N (1*σ*)** |
| CN14-04 | USGS-40 | 7 | 0.05 | 0.07 |
| CN14-05 | USGS-40 | 7 | 0.04 | 0.35 |
| CN14-07 | USGS-40 | 5 | 0.05 | 0.19 |
| CN14-08 | USGS-40 | 7 | 0.14 | 0.21 |
| CN14-09 | USGS-40 | 7 | 0.05 | 0.38 |
| CN15-04 | USGS-40 | 4 | 0.09 | 0.04 |
| CN15-05 | USGS-40 | 5 | 0.07 | 0.15 |
| CN15-06 | USGS-40 | 9 | 0.07 | 0.08 |
| CN16-03 | USGS-40 | 8 | 0.11 | 0.07 |
| CN16-04 | USGS-40 | 8 | 0.05 | 0.06 |
| CN16-05 | USGS-40 | 9 | 0.03 | 0.04 |
| CN16-06 | USGS-40 | 9 | 0.06 | 0.06 |
| CN16-07 | USGS-40 | 9 | 0.16 | 0.05 |
| CN16-08 | USGS-40 | 9 | 0.12 | 0.11 |
| CN16-09 | USGS-40 | 9 | 0.07 | 0.09 |
| CN16-10 | USGS-40 | 9 | 0.03 | 0.05 |
| CN16-11 | USGS-40 | 9 | 0.05 | 0.10 |
| CN16-12 | USGS-40 | 6 | 0.03 | 0.06 |
| CN17-12 | USGS-40 | 9 | 0.04 | 0.08 |
| CN17-14 | USGS-40 | 9 | 0.05 | 0.12 |
| CN17-15 | USGS-40 | 10 | 0.05 | 0.05 |
| CN17-17 | USGS-40 | 9 | 0.04 | 0.16 |
| CN17-21 | USGS-40 | 9 | 0.03 | 0.23 |
| CN17-27 | USGS-40 | 9 | 0.04 | 0.08 |
| CN14-04 | USGS-41 | 7 | 0.22 | 0.11 |
| CN14-05 | USGS-41 | 7 | 0.15 | 0.12 |
| CN14-07 | USGS-41 | 6 | 0.09 | 0.31 |
| CN14-08 | USGS-41 | 7 | 0.31 | 0.30 |
| CN14-09 | USGS-41 | 7 | 0.07 | 0.29 |
| CN15-04 | USGS-41 | 4 | 0.19 | 0.14 |
| CN15-05 | USGS-41 | 5 | 0.36 | 0.11 |
| CN15-06 | USGS-41 | 9 | 0.11 | 0.09 |
| CN16-03 | USGS-41 | 8 | 0.11 | 0.15 |
| CN16-04 | USGS-41 | 9 | 0.12 | 0.20 |
| CN16-05 | USGS-41 | 9 | 0.09 | 0.07 |
| CN16-06 | USGS-41 | 9 | 0.23 | 0.14 |
| CN16-07 | USGS-41 | 8 | 0.26 | 0.15 |
| CN16-08 | USGS-41 | 9 | 0.19 | 0.13 |
| CN16-09 | USGS-41 | 9 | 0.21 | 0.10 |
| CN16-10 | USGS-41 | 9 | 0.17 | 0.15 |
| CN16-11 | USGS-41 | 9 | 0.09 | 0.10 |
| CN16-12 | USGS-41 | 6 | 0.17 | 0.13 |
| CN17-15 | USGS-41 | 9 | 0.10 | 0.18 |
| CN17-12 | USGS-41a | 9 | 0.14 | 0.22 |
| CN17-14 | USGS-41a | 9 | 0.06 | 0.24 |
| CN17-17 | USGS-41a | 9 | 0.04 | 0.11 |
| CN17-21 | USGS-41a | 9 | 0.35 | 0.27 |
| CN17-27 | USGS-41a | 6 | 0.03 | 0.17 |

**Table S6. Means and standard deviations for check standards for all analytical sessions.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Analytical Session** | **Standard** | **Number** | ***δ*13C (1*σ*)** | | | ***δ*15N (1*σ*)** | | |
| CN14-04 | MET | 5 | -28.59 | ± | 0.04 | -5.08 | ± | 0.10 |
| CN14-05 | MET | 6 | -28.59 | ± | 0.08 | -5.04 | ± | 0.30 |
| CN14-07 | MET | 4 | -28.59 | ± | 0.02 | -5.26 | ± | 0.11 |
| CN14-08 | MET | 6 | -28.63 | ± | 0.12 | -4.94 | ± | 0.35 |
| CN14-09 | MET | 6 | -28.57 | ± | 0.03 | -5.43 | ± | 0.06 |
| CN15-04 | MET | 4 | -28.63 | ± | 0.07 | -5.00 | ± | 0.17 |
| CN15-05 | MET | 4 | -28.62 | ± | 0.02 | -5.18 | ± | 0.08 |
| CN15-06 | MET | 7 | -28.65 | ± | 0.06 | -5.09 | ± | 0.08 |
| CN16-03 | MET | 6 | -28.62 | ± | 0.08 | -5.12 | ± | 0.25 |
| CN16-04 | MET | 8 | -28.58 | ± | 0.04 | -5.08 | ± | 0.09 |
| CN16-05 | MET | 7 | -28.61 | ± | 0.03 | -5.12 | ± | 0.14 |
| CN16-06 | MET | 7 | -28.60 | ± | 0.10 | -5.05 | ± | 0.08 |
| CN16-07 | MET | 7 | -28.61 | ± | 0.16 | -5.06 | ± | 0.03 |
| CN16-08 | MET | 7 | -28.59 | ± | 0.10 | -5.05 | ± | 0.06 |
| CN16-09 | MET | 7 | -28.63 | ± | 0.04 | -5.10 | ± | 0.09 |
| CN16-10 | MET | 7 | -28.65 | ± | 0.03 | -5.05 | ± | 0.07 |
| CN16-11 | MET | 7 | -28.59 | ± | 0.04 | -5.04 | ± | 0.06 |
| CN16-12 | MET | 6 | -28.60 | ± | 0.04 | -5.01 | ± | 0.05 |
| CN17-12 | MET | 8 | -28.68 | ± | 0.03 | -5.05 | ± | 0.06 |
| CN17-14 | MET | 7 | -28.62 | ± | 0.05 | -5.00 | ± | 0.04 |
| CN17-15 | MET | 7 | -28.58 | ± | 0.05 | -5.01 | ± | 0.02 |
| CN17-17 | MET | 7 | -28.63 | ± | 0.07 | -5.05 | ± | 0.21 |
| CN17-21 | MET | 7 | -28.68 | ± | 0.02 | -5.03 | ± | 0.23 |
| CN17-27 | MET | 7 | -28.64 | ± | 0.03 | -4.97 | ± | 0.02 |
| CN15-04 | NIST-1577c | 2 | -17.51 | ± | 0.00 | 8.14 | ± | 0.03 |
| CN15-05 | NIST-1577c | 3 | -17.56 | ± | 0.05 | 8.14 | ± | 0.08 |
| CN15-06 | NIST-1577c | 5 | -17.55 | ± | 0.03 | 8.17 | ± | 0.03 |
| CN16-03 | NIST-1577c | 4 | -17.53 | ± | 0.09 | 8.21 | ± | 0.11 |
| CN16-04 | NIST-1577c | 5 | -17.55 | ± | 0.04 | 8.14 | ± | 0.11 |
| CN16-05 | NIST-1577c | 5 | -17.55 | ± | 0.04 | 8.14 | ± | 0.06 |
| CN16-03 | SRM-1 | 5 | -19.38 | ± | 0.17 | 1.84 | ± | 0.05 |
| CN16-04 | SRM-1 | 6 | -19.34 | ± | 0.04 | 1.78 | ± | 0.05 |
| CN16-05 | SRM-1 | 6 | -19.36 | ± | 0.04 | 1.75 | ± | 0.02 |
| CN16-06 | SRM-1 | 6 | -19.33 | ± | 0.14 | 1.74 | ± | 0.03 |
| CN16-07 | SRM-1 | 6 | -19.34 | ± | 0.20 | 1.76 | ± | 0.05 |
| CN16-08 | SRM-1 | 6 | -19.40 | ± | 0.11 | 1.70 | ± | 0.09 |
| CN16-09 | SRM-1 | 6 | -19.37 | ± | 0.07 | 1.74 | ± | 0.03 |
| CN16-10 | SRM-1 | 6 | -19.37 | ± | 0.06 | 1.77 | ± | 0.05 |
| CN16-11 | SRM-1 | 6 | -19.37 | ± | 0.04 | 1.73 | ± | 0.03 |
| CN16-12 | SRM-1 | 4 | -19.32 | ± | 0.03 | 1.77 | ± | 0.05 |
| CN17-12 | SRM-1 | 6 | -19.29 | ± | 0.11 | 1.83 | ± | 0.05 |
| CN17-14 | SRM-1 | 5 | -19.39 | ± | 0.06 | 1.82 | ± | 0.06 |
| CN17-15 | SRM-1 | 7 | -19.38 | ± | 0.04 | 1.76 | ± | 0.09 |
| CN17-17 | SRM-1 | 6 | -19.38 | ± | 0.05 | 1.81 | ± | 0.05 |
| CN17-21 | SRM-1 | 6 | -19.30 | ± | 0.02 | 1.85 | ± | 0.12 |
| CN17-27 | SRM-1 | 6 | -19.28 | ± | 0.06 | 1.81 | ± | 0.09 |
| CN16-06 | SRM-2 | 5 | -14.70 | ± | 0.16 | 15.61 | ± | 0.05 |
| CN16-07 | SRM-2 | 5 | -14.71 | ± | 0.12 | 15.57 | ± | 0.04 |
| CN16-08 | SRM-2 | 5 | -14.77 | ± | 0.10 | 15.59 | ± | 0.10 |
| CN16-09 | SRM-2 | 5 | -14.73 | ± | 0.09 | 15.60 | ± | 0.08 |
| CN16-10 | SRM-2 | 5 | -14.79 | ± | 0.05 | 15.56 | ± | 0.06 |
| CN16-11 | SRM-2 | 5 | -14.76 | ± | 0.04 | 15.48 | ± | 0.03 |
| CN16-12 | SRM-2 | 5 | -14.72 | ± | 0.06 | 15.61 | ± | 0.13 |
| CN17-12 | SRM-2 | 5 | -14.60 | ± | 0.05 | 15.64 | ± | 0.14 |
| CN17-14 | SRM-2 | 5 | -14.78 | ± | 0.04 | 15.56 | ± | 0.06 |
| CN17-15 | SRM-2 | 5 | -14.80 | ± | 0.07 | 15.56 | ± | 0.04 |
| CN17-17 | SRM-2 | 5 | -14.78 | ± | 0.05 | 15.57 | ± | 0.11 |
| CN17-21 | SRM-2 | 5 | -14.67 | ± | 0.05 | 15.66 | ± | 0.06 |
| CN17-27 | SRM-2 | 5 | -14.63 | ± | 0.01 | 15.60 | ± | 0.05 |
| CN14-04 | SUBC-1 | 5 | -13.76 | ± | 0.05 | 17.32 | ± | 0.04 |
| CN14-05 | SUBC-1 | 5 | -13.86 | ± | 0.09 | 17.34 | ± | 0.15 |
| CN14-07 | SUBC-1 | 4 | -13.70 | ± | 0.04 | 17.34 | ± | 0.21 |
| CN14-08 | SUBC-1 | 5 | -13.78 | ± | 0.03 | 17.55 | ± | 0.13 |
| CN14-09 | SUBC-1 | 5 | -13.65 | ± | 0.05 | 17.47 | ± | 0.62 |
| CN15-04 | SUBC-1 | 3 | -13.78 | ± | 0.24 | 17.36 | ± | 0.01 |
| CN15-05 | SUBC-1 | 3 | -13.61 | ± | 0.05 | 17.43 | ± | 0.08 |
| CN15-06 | SUBC-1 | 6 | -13.68 | ± | 0.07 | 17.39 | ± | 0.05 |

**Table S7. Standard deviations for sample replicates from all analytical sessions.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample** | ***δ*13C (A)** | ***δ*13C (B)** | ***δ*13C (C)** | ***δ*13C (1*σ*)** | | | ***δ*15N (A)** | ***δ*15N (B)** | ***δ*15N (C)** | ***δ*15N (1*σ*)** | | |
| SUBC-10986 | -24.11 | -24.11 |  | -24.11 | ± | 0.00 | 7.35 | 7.35 |  | 7.35 | ± | 0.00 |
| SUBC-1296 | -22.25 | -22.30 |  | -22.27 | ± | 0.04 | 6.10 | 6.36 |  | 6.23 | ± | 0.18 |
| SUBC-1297 | -22.42 | -22.47 |  | -22.44 | ± | 0.03 | 8.01 | 8.22 |  | 8.12 | ± | 0.15 |
| SUBC-1301 | -21.83 | -21.93 |  | -21.88 | ± | 0.07 | 7.47 | 7.43 |  | 7.45 | ± | 0.03 |
| SUBC-1302 | -22.07 | -22.13 |  | -22.10 | ± | 0.04 | 5.15 | 5.05 |  | 5.10 | ± | 0.07 |
| SUBC-1303 | -22.43 | -22.49 |  | -22.46 | ± | 0.05 | 7.20 | 7.12 |  | 7.16 | ± | 0.06 |
| SUBC-1311 | -21.89 | -21.83 |  | -21.86 | ± | 0.05 | 4.89 | 5.34 |  | 5.11 | ± | 0.32 |
| SUBC-1313 | -21.82 | -21.79 | -21.89 | -21.83 | ± | 0.05 | 4.55 | 4.52 | 4.43 | 4.50 | ± | 0.06 |
| SUBC-1315 | -22.74 | -22.70 | -22.77 | -22.74 | ± | 0.04 | 5.53 | 5.36 | 5.58 | 5.49 | ± | 0.11 |
| SUBC-1331 | -22.36 | -22.30 | -22.41 | -22.36 | ± | 0.06 | 6.08 | 5.79 | 6.08 | 5.98 | ± | 0.16 |
| SUBC-1336 | -21.80 | -21.80 |  | -21.80 | ± | 0.00 | 7.05 | 7.20 |  | 7.13 | ± | 0.11 |
| SUBC-1345 | -22.34 | -22.21 | -22.27 | -22.27 | ± | 0.06 | 6.33 | 6.31 | 6.38 | 6.34 | ± | 0.03 |
| SUBC-1353 | -22.77 | -22.72 |  | -22.75 | ± | 0.04 | 6.25 | 6.27 |  | 6.26 | ± | 0.01 |
| SUBC-1357 | -21.96 | -22.09 |  | -22.03 | ± | 0.10 | 5.00 | 4.99 |  | 4.99 | ± | 0.01 |
| SUBC-1359 | -22.15 | -22.22 |  | -22.19 | ± | 0.05 | 5.53 | 5.52 |  | 5.52 | ± | 0.00 |
| SUBC-1368 | -22.38 | -22.51 | -22.43 | -22.44 | ± | 0.07 | 5.73 | 5.34 | 5.40 | 5.49 | ± | 0.21 |
| SUBC-1375 | -22.60 | -22.46 |  | -22.53 | ± | 0.10 | 5.50 | 5.60 |  | 5.55 | ± | 0.07 |
| SUBC-1376 | -22.36 | -22.63 | -22.30 | -22.43 | ± | 0.17 | 6.58 | 6.73 | 6.34 | 6.55 | ± | 0.20 |
| SUBC-1398 | -22.23 | -22.36 | -22.28 | -22.29 | ± | 0.06 | 5.53 | 6.60 | 5.45 | 5.86 | ± | 0.64 |
| SUBC-1402 | -22.34 | -22.53 | -22.39 | -22.42 | ± | 0.10 | 4.52 | 4.42 | 4.40 | 4.45 | ± | 0.06 |
| SUBC-1412 | -22.41 | -22.49 | -22.55 | -22.48 | ± | 0.07 | 4.85 | 4.73 | 4.91 | 4.83 | ± | 0.09 |
| SUBC-1414 | -22.57 | -22.42 | -22.60 | -22.53 | ± | 0.10 | 5.75 | 5.57 | 5.94 | 5.75 | ± | 0.18 |
| SUBC-1417 | -21.84 | -21.81 |  | -21.83 | ± | 0.02 | 7.38 | 7.34 |  | 7.36 | ± | 0.02 |
| SUBC-1419 | -22.31 | -22.25 |  | -22.28 | ± | 0.04 | 6.29 | 6.62 |  | 6.45 | ± | 0.24 |
| SUBC-1420 | -22.33 | -22.47 | -22.42 | -22.41 | ± | 0.07 | 6.37 | 6.95 | 6.52 | 6.61 | ± | 0.30 |
| SUBC-1422 | -22.48 | -22.46 |  | -22.47 | ± | 0.02 | 8.35 | 8.94 |  | 8.65 | ± | 0.42 |
| SUBC-1426 | -22.86 | -22.77 | -22.96 | -22.86 | ± | 0.09 | 6.95 | 7.03 | 7.24 | 7.07 | ± | 0.15 |
| SUBC-1433 | -22.21 | -22.12 |  | -22.16 | ± | 0.07 | 6.98 | 6.34 |  | 6.66 | ± | 0.45 |
| SUBC-10924 | -23.10 | -23.08 |  | -23.09 | ± | 0.02 | 5.46 | 5.37 |  | 5.42 | ± | 0.06 |
| SUBC-10928 | -22.67 | -22.73 |  | -22.70 | ± | 0.05 | 6.47 | 6.37 |  | 6.42 | ± | 0.07 |
| SUBC-10929 | -22.15 | -22.30 |  | -22.23 | ± | 0.11 | 4.64 | 4.58 |  | 4.61 | ± | 0.04 |
| SUBC-10931 | -22.93 | -23.01 |  | -22.97 | ± | 0.06 | 5.99 | 5.92 |  | 5.95 | ± | 0.05 |
| SUBC-10932 | -22.57 | -22.61 |  | -22.59 | ± | 0.03 | 7.79 | 7.79 |  | 7.79 | ± | 0.01 |
| SUBC-10941 | -22.31 | -22.28 |  | -22.29 | ± | 0.02 | 6.20 | 6.04 |  | 6.12 | ± | 0.11 |
| SUBC-10955 | -22.66 | -22.76 |  | -22.71 | ± | 0.08 | 5.35 | 5.42 |  | 5.38 | ± | 0.05 |
| SUBC-10959 | -21.87 | -21.97 |  | -21.92 | ± | 0.07 | 5.64 | 5.60 |  | 5.62 | ± | 0.02 |
| SUBC-10961 | -22.33 | -22.25 |  | -22.29 | ± | 0.06 | 5.69 | 5.68 |  | 5.68 | ± | 0.01 |
| SUBC-10965 | -22.32 | -22.40 |  | -22.36 | ± | 0.06 | 6.36 | 6.30 |  | 6.33 | ± | 0.04 |
| SUBC-10966 | -21.72 | -21.79 |  | -21.76 | ± | 0.05 | 6.85 | 6.75 |  | 6.80 | ± | 0.07 |
| SUBC-10969 | -22.64 | -22.59 |  | -22.61 | ± | 0.03 | 5.47 | 5.48 |  | 5.47 | ± | 0.01 |
| SUBC-10973 | -22.21 | -22.21 |  | -22.21 | ± | 0.00 | 5.85 | 5.87 |  | 5.86 | ± | 0.02 |
| SUBC-10974 | -22.82 | -22.93 |  | -22.87 | ± | 0.08 | 5.14 | 5.19 |  | 5.17 | ± | 0.04 |
| SUBC-10976 | -22.37 | -22.41 |  | -22.39 | ± | 0.03 | 5.99 | 6.02 |  | 6.01 | ± | 0.03 |
| SUBC-10977 | -22.33 | -22.45 |  | -22.39 | ± | 0.09 | 7.79 | 7.92 |  | 7.85 | ± | 0.09 |
| SUBC-10987 | -23.63 | -23.60 |  | -23.61 | ± | 0.02 | 5.80 | 5.95 |  | 5.87 | ± | 0.11 |
| SUBC-10988 | -22.18 | -22.20 |  | -22.19 | ± | 0.02 | 8.62 | 8.61 |  | 8.61 | ± | 0.00 |
| SUBC-10989 | -22.17 | -22.16 |  | -22.16 | ± | 0.01 | 7.40 | 7.58 |  | 7.49 | ± | 0.13 |
| SUBC-10995 | -23.95 | -23.93 |  | -23.94 | ± | 0.01 | 6.78 | 6.71 |  | 6.74 | ± | 0.05 |
| SUBC-10996 | -22.90 | -22.85 |  | -22.88 | ± | 0.03 | 5.28 | 5.38 |  | 5.33 | ± | 0.07 |
| SUBC-10997 | -22.94 | -22.81 |  | -22.88 | ± | 0.10 | 4.29 | 4.30 |  | 4.29 | ± | 0.01 |
| SUBC-10998 | -23.72 | -23.62 |  | -23.67 | ± | 0.07 | 5.96 | 6.01 |  | 5.98 | ± | 0.04 |
| SUBC-10999 | -24.06 | -23.99 |  | -24.03 | ± | 0.06 | 6.68 | 6.79 |  | 6.73 | ± | 0.08 |
| SUBC-11000 | -22.98 | -22.81 |  | -22.90 | ± | 0.12 | 6.64 | 6.58 |  | 6.61 | ± | 0.05 |
| SUBC-11001 | -23.24 | -23.13 |  | -23.18 | ± | 0.07 | 5.39 | 5.47 |  | 5.43 | ± | 0.06 |
| SUBC-11011 | -22.94 | -22.66 |  | -22.80 | ± | 0.20 | 7.20 | 7.38 |  | 7.29 | ± | 0.12 |
| SUBC-11012 | -22.69 | -22.48 |  | -22.58 | ± | 0.15 | 6.21 | 6.36 |  | 6.28 | ± | 0.10 |
| SUBC-11013 | -22.85 | -22.53 |  | -22.69 | ± | 0.23 | 6.43 | 6.67 |  | 6.55 | ± | 0.18 |
| SUBC-11016 | -22.85 | -22.34 | -22.42 | -22.54 | ± | 0.27 | 6.74 | 7.07 | 7.18 | 7.00 | ± | 0.23 |
| SUBC-11040 | -23.45 | -23.42 |  | -23.44 | ± | 0.02 | 6.61 | 6.62 |  | 6.61 | ± | 0.01 |
| SUBC-11044 | -23.47 | -23.42 |  | -23.45 | ± | 0.03 | 5.65 | 5.66 |  | 5.65 | ± | 0.00 |
| SUBC-11045 | -23.49 | -23.50 |  | -23.49 | ± | 0.01 | 6.72 | 6.71 |  | 6.71 | ± | 0.01 |
| SUBC-11046 | -22.76 | -22.68 |  | -22.72 | ± | 0.06 | 6.56 | 6.53 |  | 6.55 | ± | 0.02 |
| SUBC-11048 | -22.38 | -22.40 |  | -22.39 | ± | 0.01 | 5.05 | 5.05 |  | 5.05 | ± | 0.00 |
| SUBC-11049 | -22.52 | -22.68 |  | -22.60 | ± | 0.11 | 4.53 | 4.48 |  | 4.50 | ± | 0.04 |
| SUBC-11051 | -22.24 | -22.15 |  | -22.20 | ± | 0.06 | 4.54 | 4.57 |  | 4.56 | ± | 0.02 |
| SUBC-11377 | -22.14 | -22.13 |  | -22.14 | ± | 0.01 | 4.92 | 4.93 |  | 4.92 | ± | 0.00 |
| SUBC-11378 | -23.17 | -23.32 |  | -23.24 | ± | 0.11 | 6.17 | 6.16 |  | 6.17 | ± | 0.01 |
| SUBC-11379 | -22.17 | -22.19 |  | -22.18 | ± | 0.02 | 5.26 | 5.30 |  | 5.28 | ± | 0.03 |
| SUBC-11380 | -22.12 | -22.08 |  | -22.10 | ± | 0.03 | 5.34 | 5.26 |  | 5.30 | ± | 0.05 |
| SUBC-11382 | -22.83 | -22.64 |  | -22.73 | ± | 0.13 | 4.22 | 4.21 |  | 4.22 | ± | 0.01 |
| SUBC-11387 | -21.86 | -21.97 |  | -21.92 | ± | 0.08 | 8.21 | 8.22 |  | 8.21 | ± | 0.00 |
| SUBC-11389 | -22.42 | -22.45 |  | -22.43 | ± | 0.02 | 7.62 | 7.62 |  | 7.62 | ± | 0.00 |
| SUBC-11392 | -23.49 | -23.46 |  | -23.48 | ± | 0.02 | 7.58 | 7.65 |  | 7.62 | ± | 0.05 |
| SUBC-11394 | -22.40 | -22.43 |  | -22.41 | ± | 0.02 | 6.98 | 6.91 |  | 6.95 | ± | 0.05 |
| SUBC-11398 | -21.99 | -21.87 |  | -21.93 | ± | 0.08 | 6.22 | 6.22 |  | 6.22 | ± | 0.01 |
| SUBC-11401 | -22.96 | -22.90 |  | -22.93 | ± | 0.04 | 7.33 | 7.26 |  | 7.29 | ± | 0.05 |
| SUBC-11404 | -22.44 | -22.52 |  | -22.48 | ± | 0.05 | 6.65 | 6.62 |  | 6.64 | ± | 0.02 |
| SUBC-11408 | -22.88 | -22.85 |  | -22.87 | ± | 0.02 | 4.62 | 4.55 |  | 4.58 | ± | 0.05 |
| SUBC-11411 | -23.19 | -23.22 |  | -23.20 | ± | 0.02 | 4.81 | 4.72 |  | 4.77 | ± | 0.06 |
| SUBC-11412 | -23.03 | -23.06 |  | -23.05 | ± | 0.02 | 4.29 | 4.36 |  | 4.32 | ± | 0.05 |
| SUBC-11415 | -22.74 | -22.75 |  | -22.75 | ± | 0.01 | 6.55 | 6.49 |  | 6.52 | ± | 0.04 |
| SUBC-11429 | -23.28 | -23.20 |  | -23.24 | ± | 0.05 | 7.16 | 7.16 |  | 7.16 | ± | 0.00 |
| SUBC-11430 | -22.98 | -22.87 |  | -22.92 | ± | 0.08 | 6.91 | 6.90 |  | 6.90 | ± | 0.01 |
| SUBC-11431 | -22.68 | -22.64 |  | -22.66 | ± | 0.02 | 6.92 | 6.91 |  | 6.92 | ± | 0.00 |
| SUBC-11432 | -22.52 | -22.58 |  | -22.55 | ± | 0.04 | 6.18 | 6.15 |  | 6.16 | ± | 0.03 |
| SUBC-11433 | -22.97 | -22.94 |  | -22.96 | ± | 0.02 | 5.80 | 5.67 |  | 5.73 | ± | 0.09 |
| SUBC-11441 | -22.51 | -22.43 |  | -22.47 | ± | 0.06 | 6.42 | 6.39 |  | 6.41 | ± | 0.02 |
| SUBC-11449 | -22.68 | -22.50 |  | -22.59 | ± | 0.13 | 5.15 | 5.28 |  | 5.22 | ± | 0.09 |
| SUBC-11450 | -23.21 | -23.17 |  | -23.19 | ± | 0.03 | 7.14 | 7.16 |  | 7.15 | ± | 0.01 |
| SUBC-11452 | -23.07 | -22.99 |  | -23.03 | ± | 0.06 | 3.99 | 4.01 |  | 4.00 | ± | 0.01 |
| SUBC-11455 | -22.40 | -22.40 |  | -22.40 | ± | 0.00 | 5.95 | 6.03 |  | 5.99 | ± | 0.06 |
| SUBC-11564 | -22.29 | -22.36 |  | -22.32 | ± | 0.05 | 4.62 | 4.58 |  | 4.60 | ± | 0.03 |
| SUBC-11565 | -22.48 | -22.44 |  | -22.46 | ± | 0.03 | 4.96 | 4.94 |  | 4.95 | ± | 0.01 |
| SUBC-11566 | -22.90 | -22.56 |  | -22.73 | ± | 0.24 | 5.63 | 5.58 |  | 5.60 | ± | 0.04 |
| SUBC-11576 | -22.46 | -22.56 |  | -22.51 | ± | 0.07 | 6.46 | 6.42 |  | 6.44 | ± | 0.03 |
| SUBC-11593 | -22.57 | -22.59 |  | -22.58 | ± | 0.01 | 6.40 | 6.43 |  | 6.42 | ± | 0.02 |
| SUBC-11595 | -22.90 | -22.81 |  | -22.86 | ± | 0.06 | 5.95 | 5.99 |  | 5.97 | ± | 0.03 |
| SUBC-11596 | -21.91 | -21.88 |  | -21.89 | ± | 0.02 | 5.10 | 5.12 |  | 5.11 | ± | 0.02 |
| SUBC-11597 | -23.26 | -23.27 |  | -23.27 | ± | 0.01 | 6.61 | 6.70 |  | 6.66 | ± | 0.06 |
| SUBC-11598 | -22.66 | -22.66 |  | -22.66 | ± | 0.00 | 6.96 | 7.07 |  | 7.01 | ± | 0.08 |
| SUBC-11608 | -21.94 | -22.08 |  | -22.01 | ± | 0.10 | 7.66 | 7.71 |  | 7.69 | ± | 0.03 |
| SUBC-11609 | -21.98 | -21.96 |  | -21.97 | ± | 0.01 | 7.61 | 7.68 |  | 7.64 | ± | 0.05 |
| SUBC-11611 | -22.73 | -22.60 |  | -22.66 | ± | 0.09 | 6.05 | 6.04 |  | 6.04 | ± | 0.00 |
| SUBC-11620 | -22.66 | -22.67 |  | -22.67 | ± | 0.00 | 6.13 | 6.06 |  | 6.10 | ± | 0.05 |
| SUBC-11622 | -22.72 | -22.72 |  | -22.72 | ± | 0.00 | 6.28 | 6.26 |  | 6.27 | ± | 0.02 |
| SUBC-11624 | -22.06 | -22.10 |  | -22.08 | ± | 0.03 | 7.28 | 7.25 |  | 7.26 | ± | 0.02 |
| SUBC-11644 | -22.44 | -22.51 |  | -22.47 | ± | 0.05 | 6.88 | 6.93 |  | 6.90 | ± | 0.03 |
| SUBC-11648 | -22.66 | -22.76 |  | -22.71 | ± | 0.07 | 7.85 | 7.87 |  | 7.86 | ± | 0.02 |
| SUBC-11653 | -22.45 | -22.53 |  | -22.49 | ± | 0.06 | 6.54 | 6.47 |  | 6.51 | ± | 0.05 |
| SUBC-11654 | -21.87 | -21.91 |  | -21.89 | ± | 0.03 | 8.29 | 8.32 |  | 8.31 | ± | 0.02 |
| SUBC-11660 | -22.55 | -22.66 |  | -22.60 | ± | 0.08 | 7.66 | 7.75 |  | 7.71 | ± | 0.06 |
| SUBC-11661 | -22.45 | -22.49 |  | -22.47 | ± | 0.02 | 7.11 | 7.13 |  | 7.12 | ± | 0.01 |
| SUBC-11663 | -22.56 | -22.58 |  | -22.57 | ± | 0.02 | 8.21 | 8.17 |  | 8.19 | ± | 0.03 |
| SUBC-11669 | -22.41 | -22.46 |  | -22.43 | ± | 0.04 | 7.30 | 7.32 |  | 7.31 | ± | 0.01 |
| SUBC-11675 | -22.58 | -22.62 |  | -22.60 | ± | 0.02 | 9.01 | 9.04 |  | 9.03 | ± | 0.02 |
| SUBC-11693 | -21.80 | -21.83 |  | -21.82 | ± | 0.02 | 5.88 | 5.98 |  | 5.93 | ± | 0.07 |
| SUBC-11696 | -21.79 | -21.77 |  | -21.78 | ± | 0.02 | 6.61 | 6.67 |  | 6.64 | ± | 0.04 |
| SUBC-11698 | -21.87 | -21.91 |  | -21.89 | ± | 0.03 | 5.49 | 5.64 |  | 5.56 | ± | 0.11 |
| SUBC-11700 | -22.66 | -22.64 |  | -22.65 | ± | 0.01 | 5.87 | 5.86 |  | 5.86 | ± | 0.01 |
| IUBC-135 | -22.23 | -22.28 |  | -22.26 | ± | 0.04 | 5.08 | 5.08 |  | 5.08 | ± | 0.00 |
| IUBC-137 | -22.08 | -22.16 |  | -22.12 | ± | 0.05 | 7.60 | 7.55 |  | 7.58 | ± | 0.03 |
| IUBC-138 | -22.28 | -22.36 |  | -22.32 | ± | 0.06 | 4.70 | 4.68 |  | 4.69 | ± | 0.02 |
| IUBC-139 | -21.79 | -21.79 |  | -21.79 | ± | 0.00 | 5.82 | 5.78 |  | 5.80 | ± | 0.03 |
| IUBC-141 | -21.91 | -21.84 |  | -21.87 | ± | 0.05 | 7.15 | 7.19 |  | 7.17 | ± | 0.03 |
| IUBC-148 | -22.18 | -22.13 |  | -22.16 | ± | 0.04 | 7.61 | 7.54 |  | 7.58 | ± | 0.05 |
| IUBC-149 | -22.25 | -22.22 |  | -22.23 | ± | 0.02 | 7.25 | 7.29 |  | 7.27 | ± | 0.02 |
| IUBC-150 | -22.17 | -22.16 |  | -22.16 | ± | 0.00 | 6.68 | 6.70 |  | 6.69 | ± | 0.01 |
| IUBC-151 | -22.20 | -22.20 |  | -22.20 | ± | 0.00 | 6.93 | 6.96 |  | 6.95 | ± | 0.02 |
| IUBC-171 | -21.88 | -21.75 |  | -21.81 | ± | 0.09 | 7.92 | 7.96 |  | 7.94 | ± | 0.03 |
| IUBC-172 | -21.76 | -21.75 |  | -21.76 | ± | 0.01 | 8.17 | 8.21 |  | 8.19 | ± | 0.03 |
| IUBC-173 | -22.09 | -21.99 |  | -22.04 | ± | 0.07 | 6.60 | 6.54 |  | 6.57 | ± | 0.05 |
| IUBC-176 | -21.80 | -21.79 |  | -21.80 | ± | 0.00 | 7.40 | 7.54 |  | 7.47 | ± | 0.10 |
| IUBC-178 | -22.53 | -22.45 |  | -22.49 | ± | 0.06 | 6.48 | 6.70 |  | 6.59 | ± | 0.16 |
| IUBC-179 | -22.38 | -22.35 |  | -22.37 | ± | 0.02 | 8.09 | 8.24 |  | 8.17 | ± | 0.10 |
| IUBC-180 | -23.06 | -23.03 |  | -23.05 | ± | 0.02 | 6.14 | 6.08 |  | 6.11 | ± | 0.04 |
| IUBC-183 | -21.97 | -21.96 |  | -21.96 | ± | 0.01 | 7.99 | 8.17 |  | 8.08 | ± | 0.13 |
| IUBC-188 | -22.22 | -22.17 |  | -22.19 | ± | 0.04 | 8.05 | 8.18 |  | 8.12 | ± | 0.09 |
| IUBC-191 | -22.06 | -21.97 |  | -22.01 | ± | 0.06 | 7.28 | 7.30 |  | 7.29 | ± | 0.01 |
| IUBC-193 | -22.02 | -21.92 |  | -21.97 | ± | 0.07 | 6.85 | 6.69 |  | 6.77 | ± | 0.11 |
| IUBC-468 | -23.62 | -23.64 |  | -23.63 | ± | 0.01 | 6.19 | 6.15 |  | 6.17 | ± | 0.03 |
| IUBC-469 | -22.78 | -22.75 |  | -22.76 | ± | 0.02 | 6.27 | 6.12 |  | 6.20 | ± | 0.10 |
| IUBC-470 | -23.76 | -23.79 |  | -23.77 | ± | 0.02 | 5.30 | 5.16 |  | 5.23 | ± | 0.10 |
| IUBC-471 | -22.77 | -22.91 |  | -22.84 | ± | 0.10 | 6.67 | 6.48 |  | 6.57 | ± | 0.13 |
| IUBC-472 | -22.10 | -22.14 |  | -22.12 | ± | 0.03 | 5.84 | 5.91 |  | 5.88 | ± | 0.05 |

**Table S8. Results from: (above) non-parametric Kruskal-Wallis test for statistically significant differences between the distributions of *δ*13C values in cattle during different phases, and (below), where differences were detected, a post-hoc comparison using the Dunn’s test. A 0.05 probability (p < 0.05) is considered significant (indicated by an asterisk in b). For group time codes: 1 = Neolithic, 2 = Early Bronze Age, 3 = Mid/Late Bronze Age, 4 = Iron Age, 5 = early medieval, 6 = later medieval, and 7 = post medieval.**

Table

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