Are Dogs Suitable Proxies for Humans in Archaeological Isotopic Dietary Assessments?
Bayesian Analyses of Bone Collagen Stable Isotope Ratios from Ancestral Huron-Wendat Sites

Supplementary Data S2
Data used in Bayesian dietary mixing models

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```
# source$data_type: means
# source$by_factor: NA
# random effects: 0
# fixed effects: 0
# nested factors:
# factors:
# continuous effects: 0
# error structure: Residual only
# source$conc_dep: TRUE

model{
  for(src in 1:n.sources){
    for(iso in 1:n.iso){
      src_mu[src,iso] ~ dnorm(MU_array[src,iso], n_array[src]/SIG2_array[src,iso]);  # Eqn 3.8 but with
precision instead of variance
      tmp.X[src,iso] ~ dchisqr(n_array[src]);
      src_tau[src,iso] <- tmp.X[src,iso]/(SIG2_array[src,iso]*(n_array[src] - 1));   # Eqn 3.9, following the
simulation on p.580
    }
  }

    # draw p.global (global proportion means) from an uninformative Dirichlet,
    # then ilr.global is the ILR-transform of p.global
    p.global[1:n.sources] ~ ddirch(alpha[1:n.sources]);
    for(src in 1:(n.sources-1)){
      gmean[src] <- prod(p.global[1:src])^(1/src);
      ilr.global[src] <- sqrt(src/(src+1))*log(gmean[src]/p.global[src+1]); # page 296, Egozcue 2003
    }

   # DON'T generate individual deviates from the global/region/pack mean (but keep same model structure)
   for(i in 1:N) {
      for(src in 1:(n.sources-1)) {
        ilr.ind[i,src] <- 0;
        ilr.tot[i,src] <- ilr.global[src] + ilr.ind[i,src]; # add all effects together for each individual (in ilr-space)
      }
   }

   # Inverse ILR math (equation 24, page 294, Egozcue 2003)
   for(i in 1:N){
      for(j in 1:(n.sources-1)){
        cross[i,,j] <- (e[,j]^ilr.tot[i,j])/sum(e[,j]^ilr.tot[i,j]);
      }
      for(src in 1:n.sources){
        tmp.p[i,src] <- prod(cross[i,src,]);
      }
      for(src in 1:n.sources){
```

```
      p.ind[i,src] <- tmp.p[i,src]/sum(tmp.p[i,]);
    }
  }

  for(src in 1:n.sources) {
    for(i in 1:N){
      # these are weights for variances
      p2[i,src] <- p.ind[i,src]*p.ind[i,src];
    }
  }


  # for each isotope and population, calculate the predicted mixtures
  for(iso in 1:n.iso) {
    for(i in 1:N) {

      mix.mu[iso,i] <- (inprod(src_mu[,iso],(p.ind[i,]*conc[,iso])) +
inprod(frac_mu[,iso],(p.ind[i,]*conc[,iso]))) / inprod(p.ind[i,],conc[,iso]);
    }
  }

  # Mixture covariance prior (residual error only model)
  Sigma ~ dwish(I,n.iso+1);

  # Likelihood
  for(i in 1:N) {
   X_iso[i,] ~ dmnorm(mix.mu[,i], Sigma);
   loglik[i] <- logdensity.mnorm(X_iso[i,], mix.mu[,i], Sigma);
  }
} # end model
```

S2 Table 1. Dog collagen isotope ratios used in Bayesian dietary mixing models.

Site	Century	Sample ID	Sample Description	$\delta^{13}C$	$\delta^{15}N$	Source
Slack-Caswell	14th	Sla-018 DUP		-10.6	9.8	Guiry et al. 2021
Slack-Caswell	14th	Sla-019	phalanx	-11.4	9.4	Guiry et al. 2021
New	14th	BC 6765	phalanx, proximal	-14.0	9.5	Guiry et al. 2021
New	14th	BC 6764	tooth, molar, lower 1	-11.0	11.3	Guiry et al. 2021
Robb	14th	Robb 01	radius	-12.7	10.3	Glencross et al 2022
Robb	14th	Robb 02	lumbar vertibra	-10.6	9.8	Glencross et al 2022
Robb	14th	Robb 04	ulna	-13.6	10.0	Glencross et al 2022
Robb	14th	Robb 07	temporal	-12.2	10.6	Glencross et al 2022
Robb	14th	Robb 08	ulna	-12.1	10.1	Glencross et al 2022
Robb	14th	Robb 09	humerus	-17.7	9.1	Glencross et al 2022
Robb	14th	Robb 11	cervical vertibra	-12.1	10.0	Glencross et al 2022
Robb	14th	Robb 12	ulna	-10.9	9.5	Glencross et al 2022
Robb	14th	Robb 13	humerus	-11.7	9.8	Glencross et al 2022
Bogle II	15th	Bog-016	mandible	-13.7	9.4	Morris 2017
Carson	15th	CAR01.1	left humerus	-11.5	9.6	Booth 2014
Carson	15th	CAR15.1	metacarpal	-13.5	9.0	Booth 2014
Carson	15th	CAR16.1	metacarpal	-13.9	8.8	Booth 2014
Carson	15th	CAR25.1	right mandible	-10.9	10.1	Booth 2014
Carson	15th	CAR30.1	metacarpal	-11.7	8.8	Booth 2014
Carson	15th	CAR37.1	metatarsal	-12.2	9.0	Booth 2014
Crawford Lake	15th	Crf-054	axis	-11.9	9.5	Morris 2017
Pipeline	15th	Pip-(1)-138B Dup	radius, left complete	-10.6	9.8	Booth 2014
Pipeline	15th	Pip-(1)-180+	ulna, left complete	-11.4	10.9	Booth 2014
Pipeline	15th	Pip(2)-018	atlas	-12.5	9.1	Booth 2014
Pipeline	15th	Pip(2)-044	scapula, left	-10.9	10.3	Booth 2014
Pipeline	15th	Pip(2)-087	unla, right proximal	-12.2	10.1	Booth 2014
Pipeline	15th	PIP01.1	atlas	-12.5	9.1	Booth 2014
Pipeline	15th	PIP02.1	atlas	-10.0	9.7	Booth 2014
Pipeline	15th	PIP03.1	right mandible	-10.6	9.9	Booth 2014
Pipeline	15th	PIP04.1	atlas	-9.3	9.8	Booth 2014
Rife	15th	Rif-008	femer, right	-10.5	9.2	Morris 2017

Rife	15th	Rif-019	mandible, left	-10.8	9.5	Morris 2017
Cleveland	16th	CLV01.1	mandible	-11.8	9.8	Booth 2014
Cleveland	16th	CLV02.1	skull fragment	-11.5	10.5	Booth 2014
Cleveland	16th	CLV03.1	left tibia	-12.6	9.4	Booth 2014
McKeown	16th	MCK36.1	distal humerus	-14.3	9.2	Booth 2014
Seed-Barker	16th	SEED 01	tibia	-12.0	10.4	Glencross et al. 2022
Seed-Barker	16th	SEED 02	radius	-13.1	9.8	Glencross et al. 2022
Seed-Barker	16th	SEED 03	femur	-12.1	9.9	Glencross et al. 2022
Seed-Barker	16th	SEED 04	radius	-11.5	10.6	Glencross et al. 2022
Seed-Barker	16th	SEED 07	humerus	-12.7	9.9	Glencross et al. 2022
Ball	16th	BALL 01	cranium	-11.6	10.9	Glencross et al. 2022
Ball	16th	BALL 01 dup		-11.8	10.7	Glencross et al. 2022
Ball	16th	BALL 02	mandible	-15.7	10.8	Glencross et al. 2022
Ball	16th	BALL 03	mandible	-13.2	11.2	Glencross et al. 2022
Ball	16th	BALL 04	mandible	-12.0	10.4	Glencross et al. 2022
Ball	16th	BALL 05	mandible	-13.8	11.2	Glencross et al. 2022
Ball	16th	BALL 06	mandible	-18.7	10.5	Glencross et al. 2022
Ball	16th	BALL 07	radius	-13.5	10.4	Glencross et al. 2022
Ball	16th	BALL 08	radius	-17.9	10.0	Glencross et al. 2022
Ball	16th	BALL 08 dup		-18.1	10.1	Glencross et al. 2022
Ball	16th	BALL 09	mandible	-12.5	10.2	Glencross et al. 2022
Ball	16th	BALL 10	mandible	-12.1	10.5	Glencross et al. 2022
Kelly-Campbell	17th	55Ezl 3		-11.5	10.0	Katzenberg 1989
Kelly-Campbell	17th	50Eh16		-11.0	9.6	Katzenberg 1989
Kelly-Campbell	17th	60Em4		-10.6	9.5	Katzenberg 1989
Kelly-Campbell	17th	50Ee54		-12.4	9.6	Katzenberg 1989
Kelly-Campbell	17th	50Eg13		-10.7	9.3	Katzenberg 1989
Kelly-Campbell	17th	Em8		-10.1	9.7	Katzenberg 1989
Kelly-Campbell	17th	55E2		-12.2	9.5	Katzenberg 1989
Kelly-Campbell	17th	Ed69		-10.3	9.7	Katzenberg 1989
Hamilton	17th	Ham-026	mandible, right	-13.2	9.5	Morris 2017
Hamilton	17th	Ham-027	mandible, right	-15.1	9.3	Morris 2017

Hamilton	17th	Ham-028	mandible, right	-13.8	9.7	Morris 2017
Hamilton	17th	Ham-029	mandible, right	-15.8	9.2	Morris 2017
Thorold	17th	Tho-006	mandible	-12.8	8.9	Morris 2017
Thorold	17th	Tho-010	unla, right proximal	-12.7	8.5	Morris 2017
Thorold	17th	Tho-053	calcaneous, left	-13.1	7.9	Morris 2017
Fonger	17th	Fon-061	mandible, left	-12.8	8.4	Morris 2017
Fonger	17th	FON-117	mandible, right	-12.6	8.8	Morris 2017
Fonger	17th	Fon-121	mandible, left	-14.8	9.0	Morris 2017
Walker	17th	Wal-032	right maxilla	-14.0	8.7	Morris 2017
Walker	17th	Wal-057	mandible, left	-12.9	9.4	Morris 2017
Walker	17th	Wal-058	mandible, left	-13.8	9.1	Morris 2017
Walker	17th	Wal-059	mandible, left	-12.2	9.2	Morris 2017
Walker	17th	Wal-060	mandible, left	-13.2	8.8	Morris 2017
Ossossané	17th	OSSO 01	mandible	-11.0	10.6	Glencross et al. 2022
Ossossané	17th	OSSO 02	mandible	-9.9	9.7	Glencross et al. 2022
Ossossané	17th	OSSO 03	mandible	-12.6	11.5	Glencross et al. 2022
Ossossané	17th	OSSO 04	radius	-12.1	9.8	Glencross et al. 2022
Ossossané	17th	OSSO 05	mandible	-10.7	10.3	Glencross et al. 2022
Ossossané	17th	OSSO 06	mandible	-10.7	10.2	Glencross et al. 2022
Ossossané	17th	OSSO 07	mandible	-9.1	9.5	Glencross et al. 2022
Ossossané	17th	OSSO 08	mandible	-10.0	9.9	Glencross et al. 2022
Ossossané	17th	OSSO 09	radius	-11.0	9.5	Glencross et al. 2022
Ossossané	17th	OSSO 10	mandible	-12.5	11.1	Glencross et al. 2022
Ossossané	17th	OSSO 11	radius	-10.5	11.1	Glencross et al. 2022
Mantle	17th	MANT 01	radius	-14.4	10.4	Glencross et al. 2022
Mantle	17th	MANT 02	ulna	-10.9	9.8	Glencross et al. 2022
Mantle	17th	MANT 03	ulna	-11.1	9.5	Glencross et al. 2022
Mantle	17th	MANT 05	ulna	-11.1	9.0	Glencross et al. 2022
Mantle	17th	MANT 06	tibia	-10.2	10.0	Glencross et al. 2022
Mantle	17th	MANT 09	mandible	-12.7	9.9	Glencross et al. 2022
Mantle	17th	MANT 10	mandible	-11.8	10.9	Glencross et al. 2022

S2 Table 2. Human collagen and feces estimate isotope ratios used in Bayesian dietary mixing models.

			Bone Collagen			Feces Estimates	
Site Name	Century	ID	$\delta^{13}C$	$\delta^{15}N$	Source	$\delta^{13}C$	$\delta^{15}N$
Moatfield	14th	LM1	-11.60	11.60	van der Merwe et al. 2003	-15.50	9.00
Moatfield	14th	RM3	-12.00	11.70	van der Merwe et al. 2003	-15.90	9.10
Moatfield	14th	RM2	-10.20	11.70	van der Merwe et al. 2003	-14.10	9.10
Moatfield	14th	RM2	-11.60	12.50	van der Merwe et al. 2003	-15.50	9.90
Moatfield	14th	LM1	-10.80	11.90	van der Merwe et al. 2003	-14.70	9.30
Moatfield	14th	RM3	-14.40	11.90	van der Merwe et al. 2003	-18.30	9.30
Moatfield	14th	RM3	-13.20	12.70	van der Merwe et al. 2003	-17.10	10.10
Moatfield	14th	RM2	-12.90	12.50	van der Merwe et al. 2003	-16.80	9.90
Moatfield	14th	LM1	-13.90	12.10	van der Merwe et al. 2003	-17.80	9.50
Moatfield	14th	LM3	-11.00	13.20	van der Merwe et al. 2003	-14.90	10.60
Moatfield	14th	LM3	-13.20	14.00	van der Merwe et al. 2003	-17.10	11.40
Fairty	14th	cranmand0006 (739)	-10.60	10.90	Pfeiffer et al. 2016	-14.50	8.30
Fairty	14th	cranmand0041 (126)	-10.50	11.90	Pfeiffer et al. 2016	-14.40	9.30
Fairty	14th	cranmand0023 (47)	-11.40	12.10	Pfeiffer et al. 2016	-15.30	9.50
Fairty	14th	cranmand0053 (54)	-14.20	10.90	Pfeiffer et al. 2016	-18.10	8.30
Fairty	14th	cranmand0038 (52)	-10.20	11.90	Pfeiffer et al. 2016	-14.10	9.30
Fairty	14th	cranmand0157 (25)	-10.00	11.50	Pfeiffer et al. 2016	-13.90	8.90
Fairty	14th	cranmand0156 (153)	-10.80	11.50	Pfeiffer et al. 2016	-14.70	8.90
Fairty	14th	FAI R 2	-10.10	11.60	Schwarcz et al 1985	-14.00	9.00
Staines	14th	R max M2	-11.90	12.00	Pfeiffer et al. 2014	-15.80	9.40
Staines	14th	R mand M1	-11.90	12.00	Pfeiffer et al. 2014	-15.80	9.40
Staines	14th	R max M1	-12.50	12.80	Pfeiffer et al. 2014	-16.40	10.20
Staines	14th	L mand M1	-14.10	10.60	Pfeiffer et al. 2014	-18.00	8.00
Teston	15th	L max M1	-11.90	11.00	Pfeiffer et al 2014	-15.80	8.40
Teston	15th	R max M2	-12.50	11.80	Pfeiffer et al 2014	-16.40	9.20
Teston	15th	L max M1	-12.00	11.60	Pfeiffer et al 2014	-15.90	9.00
Teston	15th	L max M1	-12.50	10.70	Pfeiffer et al 2014	-16.40	8.10
Teston	15th	L max M1	-11.90	11.30	Pfeiffer et al 2014	-15.80	8.70
Teston	15th	L max M2	-11.80	10.90	Pfeiffer et al 2014	-15.70	8.30

Uxbridge	15th	cranmand0168 (U3L9S8 162)	-13.20	13.80	Pfeiffer et al 2016	-17.10	11.20
Uxbridge	15th	cranmand0085 (U2L9S6 232)	-11.90	14.10	Pfeiffer et al 2016	-15.80	11.50
Uxbridge	15th	cranmand0007 (L20S3 95)	-10.40	15.10	Pfeiffer et al 2016	-14.30	12.50
Uxbridge	15th	cranmand0040 (U3 L10 S7 397)	-12.00	12.10	Pfeiffer et al 2016	-15.90	9.50
Uxbridge	15th	cranmand0069 (U2 L5 S4 A6)	-11.80	11.90	Pfeiffer et al 2016	-15.70	9.30
Uxbridge	15th	cranmand0106 (U2 L8 S4 211)	-10.30	11.60	Pfeiffer et al 2016	-14.20	9.00
Uxbridge	15th	cranmand0022 (East wall 106)	-11.70	15.80	Pfeiffer et al 2016	-15.60	13.20
Uxbridge	15th	UX1	-10.10	10.20	Harrison and Katzenberg 2003	-14.00	7.60
Uxbridge	15th	UX2	-11.30	11.00	Harrison and Katzenberg 2003	-15.20	8.40
Uxbridge	15th	UX3	-11.20	12.00	Harrison and Katzenberg 2003	-15.10	9.40
Uxbridge	15th	UX4	-11.00	10.10	Harrison and Katzenberg 2003	-14.90	7.50
Uxbridge	15th	UX5	-10.20	11.00	Harrison and Katzenberg 2003	-14.10	8.40
Uxbridge	15th	UX6	-10.80	11.80	Harrison and Katzenberg 2003	-14.70	9.20
Uxbridge	15th	UX7	-11.20	10.90	Harrison and Katzenberg 2003	-15.10	8.30
Uxbridge	15th	UX8	-10.30	11.40	Harrison and Katzenberg 2003	-14.20	8.80
Uxbridge	15th	UX9	-11.30	11.60	Harrison and Katzenberg 2003	-15.20	9.00
Hidden Spring	16th	L max M2	-13.00	11.80	Pfeiffer et al. 2014	-16.90	9.20
Milne	16th	cranmand0002 (mm-19)	-11.20	15.20	Pfeiffer et al. 2016	-15.10	12.60
Kleinburg	16th	#2030	-13.00	12.20	Pfeiffer et al. 2016	-16.90	9.60
Kleinburg	16th	#190	-11.00	12.30	Pfeiffer et al. 2016	-14.90	9.70
Kleinburg	16th	18:14 05	-12.30	12.70	Pfeiffer et al. 2016	-16.20	10.10
Kleinburg	16th	#213	-12.50	11.70	Pfeiffer et al. 2016	-16.40	9.10
Kleinburg	16th	#2073	-10.10	12.30	Pfeiffer et al. 2016	-14.00	9.70
Kleinburg	16th	#31	-12.20	11.70	Pfeiffer et al. 2016	-16.10	9.10
Kleinburg	16th	#2130	-12.00	11.90	Pfeiffer et al. 2016	-15.90	9.30
Kleinburg	16th		-11.20	12.70	Pfeiffer et al. 2016	-15.10	10.10
Kleinburg	16th		-12.60	11.70	Pfeiffer et al. 2016	-16.50	9.10
Kleinburg	16th	KLE R2	-11.70	12.00	Schwarcz et al 1985	-15.60	9.40
Kleinburg	16th	KLE R3	-12.20	12.30	Schwarcz et al 1985	-16.10	9.70
Kleinburg	16th	KLE R4	-12.20	12.40	Schwarcz et al 1985	-16.10	9.80
Ball	16th	R1	-12.70	11.70	Schwarcz et al 1985	-16.60	9.10
Ball	16th	R2	-13.70	12.20	Schwarcz et al 1985	-17.60	9.60

Ball	16th	R3	-11.20	10.80	Schwarcz et al 1985	-15.10	8.20
Ball	16th	R4	-12.10	11.00	Schwarcz et al 1985	-16.00	8.40
Ball	16th	R5	-13.20	12.20	Schwarcz et al 1985	-17.10	9.60
Ball	16th	R6	-9.70	14.60	Schwarcz et al 1985	-13.60	12.00
Maurice	17th	cranmand0004 (W8 N4 1292)	-12.20	14.10	Pfeiffer et al. 2016	-16.10	11.50
Maurice	17th	cranmand0049 (W10 N4 1121)	-13.20	13.30	Pfeiffer et al. 2016	-17.10	10.70
Warminster	17th	cranmand0001 (91)	-11.50	12.00	Pfeiffer et al. 2016	-15.40	9.40
Warminster	17th	cranmand0021 (114)	-12.60	12.30	Pfeiffer et al. 2016	-16.50	9.70
Warminster	17th	cranmand0013 (115)	-11.50	11.30	Pfeiffer et al. 2016	-15.40	8.70
Christian Is	17th	maxillary, no provenience/M_2	-10.80	11.40	Pfeiffer et al. 2016	-14.70	8.80
Kelley Campbell	17th	OSS1	-11.40	12.00	Schwarcz et al. 1985	-15.30	9.40
Kelley Campbell	17th	OSS2	-11.30	12.20	Schwarcz et al. 1985	-15.20	9.60
Kelley Campbell	17th	OSS8	-12.50	14.10	Schwarcz et al. 1985	-16.40	11.50
Kelley Campbell	17th	OSS11	-13.00	13.10	Schwarcz et al. 1985	-16.90	10.50
Kelley Campbell	17th	OSS16	-12.60	13.20	Schwarcz et al. 1985	-16.50	10.60
Ossossané Ossuary	17th	OS2	-12.10	12.40	Schwarcz et al. 1985	-16.00	9.80
Ossossané Ossuary	17th	OS3	-11.10	13.90	Schwarcz et al. 1985	-15.00	11.30
Ossossané Ossuary	17th	OS4	-11.50	10.80	Schwarcz et al. 1985	-15.40	8.20
Ossossané Ossuary	17th	OS5	-11.80	12.40	Schwarcz et al. 1985	-15.70	9.80
Ossossané Ossuary	17th	OS6	-11.00	11.00	Schwarcz et al. 1985	-14.90	8.40

S2 Table 3. Terrestrial prey collagen isotope ratios used in Bayesian dietary mixing models.

Sample	Species	$\delta^{15}N$	$\delta^{13}C$	Reference
DOR04.1	bear	5.58	-24.03	Booth (2014)
DOR05.1	bear	6.38	-22.83	Booth (2014)
DOR06.1	bear	7.61	-22.64	Booth (2014)
DOR07.1	bear	5.34	-25.02	Booth (2014)
DOR08.1	bear	6.68	-23.96	Booth (2014)
DOR09.1	bear	7.38	-23.09	Booth (2014)
DOR10.1	bear	6.64	-23.62	Booth (2014)
HOL02.1	bear	5.63	-22.8	Booth (2014)
HOL16.1	bear	3.77	-21.25	Booth (2014)

WIA02.1	bear	5.68	-20.44	Booth (2014)
CLV04.1	bear	7.88	-20.58	Booth (2014)
CLV06.1	bear	4.99	-22.44	Booth (2014)
MCK01.1	bear	4.75	-20.02	Booth (2014)
MCK07.1	bear	4.89	-22.6	Booth (2014)
MCK15.1	bear	3.43	-20.29	Booth (2014)
MCK16.12	bear	4.66	-19.87	Booth (2014)
MCK25.1	bear	5.37	-20.54	Booth (2014)
MCK27.1	bear	5.17	-20.43	Booth (2014)
MCK28.1	bear	5.45	-21.76	Booth (2014)
MCK34.1	bear	3.43	-20.61	Booth (2014)
MCK38.1	bear	5.08	-19.03	Booth (2014)
MCK42.1	bear	3.77	-20.58	Booth (2014)
MCK43.1	bear	3.96	-20.23	Booth (2014)
MCK44.1	bear	4.74	-19.85	Booth (2014)
MCK45.1	bear	4.5	-20.71	Booth (2014)
CAR02.1	bear	5.93	-20.3	Booth (2014)
CAR19.1	bear	5.77	-21.18	Booth (2014)
CAR33.1	bear	4.61	-22.14	Booth (2014)
CAR35.1	bear	4.63	-20.98	Booth (2014)
CAR36.1	bear	5.28	-18.54	Booth (2014)
IWP08.1	bear	4.35	-21.12	Booth (2014)
Bog-033	bear	5.97	-20	Booth (2014)
Bog-043	bear	4.75	-20.46	Booth (2014)
Fon-067	bear	4.98	-20.89	Booth (2014)
Fon-072	bear	5.78	-22.32	Booth (2014)
Ham-024	bear	4.9	-19.92	Booth (2014)
IWP(01)-052	bear	5.71	-22.2	Booth (2014)
IWP(09)-058	bear	4.35	-21.12	Booth (2014)
Lig-012	bear	4.47	-19.98	Booth (2014)
Pri-018	bear	4.92	-20.86	Booth (2014)
Sil-018	bear	6.24	-21.1	Booth (2014)

Sil-020	bear	6.21	-20.71	Booth (2014)
Van-039	bear	5.62	-20.15	Booth (2014)
Van-067	bear	6.59	-22.9	Booth (2014)
Van-071	bear	6.19	-21.45	Booth (2014)
Van-097	bear	5.98	-21.79	Booth (2014)
Van-114	bear	4.69	-21.38	Booth (2014)
Wal-045	bear	4.76	-20.23	Booth (2014)
Wal-046	bear	5.87	-21.85	Booth (2014)
Wal-047	bear	5.89	-20.48	Booth (2014)
Bog-038	beaver	4.79	-21.37	Booth (2014)
Wal-040	beaver	1.4	-19.48	Booth (2014)
Wal-041	beaver	6.12	-22.34	Booth (2014)
DOR16.1	deer	5.44	-23.52	Booth (2014)
DOR17.1	deer	6.06	-23	Booth (2014)
DOR18.1	deer	4.9	-24.76	Booth (2014)
DOR19.1	deer	5.86	-25.31	Booth (2014)
HOL03.1	deer	6.12	-23.13	Booth (2014)
HOL15.1	deer	4.62	-19.4	Booth (2014)
HOL23.1	deer	6.35	-22.03	Booth (2014)
HOL24.1	deer	5.46	-22.31	Booth (2014)
MCK03.1	deer	6.63	-22.81	Booth (2014)
MCK04.1	deer	4.83	-22.01	Booth (2014)
MCK12.1	deer	5.08	-22.53	Booth (2014)
MCK13.1	deer	4.82	-21.78	Booth (2014)
MCK17.1	deer	4.77	-21.95	Booth (2014)
MCK19.1	deer	6.21	-21.31	Booth (2014)
MCK20.1	deer	3.92	-22.19	Booth (2014)
MCK21.1	deer	3.74	-22.77	Booth (2014)
MCK22.1	deer	4.3	-24.28	Booth (2014)
MCK23.1	deer	5.11	-22.43	Booth (2014)
MCK33.1	deer	5.75	-23.22	Booth (2014)
MCK46.1	deer	6.49	-21.91	Booth (2014)

BrB-010	deer	4.75	-23.46	Morris (2015)
BrB-011	deer	4.88	-23.63	Morris (2015)
BrB-012	deer	4.35	-21.6	Morris (2015)
BrB-013	deer	4.99	-23.6	Morris (2015)
Bog-054	deer	5.03	-23.02	Morris (2015)
Clv-015	deer	6.12	-22.05	Morris (2015)
Clv-016	deer	5.68	-22.38	Morris (2015)
Clv-017	deer	8.16	-21.19	Morris (2015)
Clv-019	deer	5.13	-22.65	Morris (2015)
Cra-001	deer	4.58	-23.33	Morris (2015)
Crf-002	deer	4.15	-23.45	Morris (2015)
Crf-095	deer	5.17	-21.85	Morris (2015)
Dav-001	deer	3.9	-23.92	Morris (2015)
Dav-003	deer	4.27	-23.16	Morris (2015)
Dav-004	deer	6.16	-22.01	Morris (2015)
Fon-001	deer	4.98	-22.8	Morris (2015)
Fon-009	deer	6.14	-22.79	Morris (2015)
Fon-014	deer	5.81	-22.19	Morris (2015)
Fon-019	deer	5.46	-22.79	Morris (2015)
Fon-019 mDUP	deer	5.61	-22.64	Morris (2015)
Fon-047	deer	5.12	-22.91	Morris (2015)
Fon-047 DUP	deer	2.83	-24.88	Morris (2015)
Ham-004	deer	4.98	-22.02	Morris (2015)
IWP(01)-001	deer	5.29	-23.34	Morris (2015)
IWP(01)-001 mDUP	deer	5.31	-23.38	Morris (2015)
IWP(01)-009	deer	5.68	-23.36	Morris (2015)
IWP(01)-025	deer	5.65	-24.07	Morris (2015)
IWP(01)-025 DUP	deer	5.34	-23.85	Morris (2015)
IWP(01)-036 DUP	deer	5.47	-23.64	Morris (2015)
IWP(01)-036 mDUP	deer	4.96	-23.68	Morris (2015)
IWP(03)-23	deer	4.85	-23.49	Morris (2015)
IWP(09)-002	deer	4.92	-23.84	Morris (2015)

IWP(09)-047	deer	4.78	-22.95	Morris (2015)
IWP(09)-047 DUP	deer	4.8	-23.32	Morris (2015)
IWP(09)-047 DUP	deer	4.91	-22.79	Morris (2015)
IWP(09)-054	deer	5.07	-23.31	Morris (2015)
IWP(09)-054 mDUP	deer	5.25	-23.54	Morris (2015)
IWP(09)-134	deer	5.19	-23.43	Morris (2015)
IWP(09)-134 mDUP	deer	5.13	-23.4	Morris (2015)
IWP(12)-003	deer	4.7	-22.54	Morris (2015)
IWP(12)-004	deer	5.35	-22.14	Morris (2015)
IWP(12)-005	deer	5.14	-22.94	Morris (2015)
Lia-006	deer	6.82	-23.82	Morris (2015)
Lia-010	deer	8.62	-20.72	Morris (2015)
Mon-004	deer	5.96	-22.48	Morris (2015)
Mon-005	deer	4.4	-21.79	Morris (2015)
Mon-006	deer	4.78	-22.66	Morris (2015)
Mon-007	deer	5.33	-23.05	Morris (2015)
Mon-008	deer	5.41	-23.1	Morris (2015)
OLG-001	deer	7	-22.12	Morris (2015)
OLG-002	deer	6.07	-21.7	Morris (2015)
OLG-013	deer	5.08	-23.22	Morris (2015)
Pip(1)-103	deer	3.73	-22.06	Morris (2015)
Pip(1)-157	deer	4.54	-22.43	Morris (2015)
Por-009	deer	6.12	-22.09	Morris (2015)
Por-017	deer	5.01	-22.13	Morris (2015)
Por-017 mDUP	deer	5.04	-21.99	Morris (2015)
Pri-008	deer	4.95	-23.05	Morris (2015)
Pri-017	deer	4.91	-22.35	Morris (2015)
Pri-017 DUP	deer	5.85	-20.24	Morris (2015)
Pri-019	deer	4.41	-22.54	Morris (2015)
Pri-019 DUP	deer	2.99	-22.46	Morris (2015)
Rif-007	deer	8.23	-21.25	Morris (2015)
Rif-007 mDUP	deer	8.05	-21.32	Morris (2015)

Rif-077	deer	6.8	-22.65	Morris (2015)
Sil-019	deer	5.54	-22.65	Morris (2015)
Sil-019 DUP	deer	5.48	-23.25	Morris (2015)
Sil-026	deer	6.09	-23.81	Morris (2015)
Sil-026 DUP	deer	6.17	-23.95	Morris (2015)
Sla-017	deer	5.82	-24.18	Morris (2015)
Tho-002	deer	5.73	-22.07	Morris (2015)
Tho-012	deer	5.75	-22.08	Morris (2015)
Tho-012 mDUP	deer	5.87	-22	Morris (2015)
Tho-018	deer	5.69	-22.07	Morris (2015)
Van-001	deer	5.52	-23	Morris (2015)
Van-001 mDUP	deer	5.82	-23.03	Morris (2015)
Van-003	deer	4.49	-21.82	Morris (2015)
Van003 mDUP	deer	4.47	-21.82	Morris (2015)
Van-018	deer	6.33	-21.45	Morris (2015)
Van-019	deer	5.56	-22.2	Morris (2015)
Van-020	deer	5.35	-23.84	Morris (2015)
Van-022	deer	4.92	-24.06	Morris (2015)
Van-108	deer	5.45	-23.1	Morris (2015)
Wal-003	deer	4.18	-23.79	Morris (2015)
Wal-005	deer	4.29	-23.29	Morris (2015)
Wal-008	deer	6.11	-23.71	Morris (2015)
Wal-009	deer	5.86	-24.32	Morris (2015)
Wal-010	deer	5.54	-23.65	Morris (2015)
Wal-011	deer	4.77	-22.56	Morris (2015)
Wal-013	deer	4.49	-23.54	Morris (2015)
Wal-014	deer	5.61	-24.06	Morris (2015)
Wal-014	deer	4.26	-23.56	Morris (2015)
Wal-016	deer	4.26	-23.84	Morris (2015)
Wal-018	deer	5.08	-22.37	Morris (2015)
Wal-021	deer	5.35	-24.66	Morris (2015)
Wal-036	deer	6.13	-22.4	Morris (2015)

Wal-037	deer	4.76	-23.36	Morris (2015)
Wal-038	deer	5.54	-21.91	Morris (2015)
Win-157	deer	8.17	-21.19	Morris (2015)
Win-159	deer	7.29	-21.93	Morris (2015)
BrB-02	deer	5.5	-20.89	Morris (2015)
BrB-03	deer	5.28	-20.68	Morris (2015)
Clv-033 +	deer	6.25	-20.77	Morris (2015)
Crf-043~	deer	6.04	-20.61	Morris (2015)
Crf-044~	deer	5.77	-20.16	Morris (2015)
Crf-045~	deer	6.74	-17.75	Morris (2015)
Crf-046~	deer	6.6	-18.53	Morris (2015)
Crf-047~	deer	7.24	-17.44	Morris (2015)
Crf-048~	deer	6.56	-18.78	Morris (2015)
Crf-051~	deer	6.17	-20.92	Morris (2015)
Fon-020	deer	6.31	-21.59	Morris (2015)
Fon-033	deer	6.9	-21.01	Morris (2015)
Fon-104	deer	5.39	-21.29	Morris (2015)
Ham-05	deer	8.17	-9.93	Morris (2015)
Ham-06	deer	6.25	-19.8	Morris (2015)
Ham-07	deer	6.13	-20.64	Morris (2015)
Ham-08	deer	6.75	-17.08	Morris (2015)
Ham-09~	deer	6.39	-19.59	Morris (2015)
Ham-10~	deer	4.88	-22.83	Morris (2015)
Ham-11~	deer	5.55	-19.13	Morris (2015)
IWP(01)-30	deer	6.75	-22.37	Morris (2015)
IWP(01)-30 DUP	deer	6.76	-22.31	Morris (2015)
IWP(03)-02	deer	6.76	-21.88	Morris (2015)
IWP(03)-06	deer	6.58	-21.45	Morris (2015)
IWP(03)-07	deer	5.79	-23.48	Morris (2015)
IWP(03)-08	deer	5.47	-23.18	Morris (2015)
IWP(03)-15	deer	6.14	-21.85	Morris (2015)
IWP(09)-009	deer	5.67	-21.49	Morris (2015)

IWP(09)-012	deer	5.75	-23.56	Morris (2015)
IWP(09)-012 DUP	deer	6.6	-23.28	Morris (2015)
IWP(09)-032	deer	6.78	-22.07	Morris (2015)
IWP(09)-048	deer	4.72	-20.21	Morris (2015)
IWP(09)-079	deer	6.67	-23.24	Morris (2015)
IWP(09)-083	deer	5.96	-23.67	Morris (2015)
IWP(09)-083 mDUP	deer	6.29	-23.75	Morris (2015)
IWP(09)-088	deer	8.49	-22.45	Morris (2015)
IWP(09)-119	deer	5.71	-23.17	Morris (2015)
IWP(09)-122	deer	7.64	-21.3	Morris (2015)
Pip(1)-010^	deer	6.18	-20.52	Morris (2015)
Pip(1)-023 +	deer	6.39	-20.76	Morris (2015)
Pip(1)-024 +	deer	6.03	-21.05	Morris (2015)
Pip(1)-024 mDUP	deer	6.15	-20.83	Morris (2015)
Pip(1)-024 mDUP DUP	deer	5.21	-20.77	Morris (2015)
Pip(1)-025	deer	6.03	-21.52	Morris (2015)
Pip(1)-048	deer	6.84	-19.88	Morris (2015)
Pip(1)-075	deer	8.49	-20.62	Morris (2015)
Pip(1)-179	deer	5.97	-20.4	Morris (2015)
Pip(1)-184	deer	5.44	-22.5	Morris (2015)
Pip(2)-070	deer	6.86	-20.07	Morris (2015)
Pri-007	deer	5.24	-18.33	Morris (2015)
Rif-062	deer	7.12	-20.63	Morris (2015)
Rif-080	deer	6.81	-22.34	Morris (2015)
Rif-092	deer	6.78	-19.8	Morris (2015)
Rif-092 mDUP	deer	6.72	-19.74	Morris (2015)
Rif-107	deer	5.18	-22.96	Morris (2015)
Rif-107 DUP	deer	5.05	-23.07	Morris (2015)
Tho-035	deer	5.03	-22.36	Morris (2015)
Tho-046	deer	5.86	-22.31	Morris (2015)
Tho-054	deer	4	-21.78	Morris (2015)
Tho-054 DUP	deer	4.81	-21.8	Morris (2015)

Tho-058	deer	4.87	-22.22	Morris (2015)
Tho-065	deer	6.6	-22.16	Morris (2015)
Van-011	deer	5.56	-21.33	Morris (2015)
Van-012	deer	6.76	-21.32	Morris (2015)
Van-017	deer	6.31	-20.93	Morris (2015)
Wal-050	deer	5.46	-20.19	Morris (2015)
Wal-050 mDUP	deer	5.61	-20.2	Morris (2015)
Wal-051	deer	5.63	-21.95	Morris (2015)
Win-047	deer	6.92	-19.55	Morris (2015)
Win-047 DUP	deer	6.85	-19.58	Morris (2015)
Win-221	deer	6.11	-19.02	Morris (2015)
Crf-077 DUP	fox	10.4	-19.62	Morris (2015)
Crf-077	fox	10.3	-19.67	Morris (2015)
Pip(2)-016	fox	8.51	-18.59	Morris (2015)
Tho-011	fox	7.57	-17.95	Morris (2015)
Van-070	fox	8.9	-19.53	Morris (2015)
Win-154	fox	9.08	-18.37	Morris (2015)
Cra-015	groundhog	4.25	-23.3	Morris (2015)
Fon-025	groundhog	2.53	-24.22	Morris (2015)
Fon-049	groundhog	3.94	-19.4	Morris (2015)
Lig-004	groundhog	2.27	-23.21	Morris (2015)
Lig-009	groundhog	2.79	-23.05	Morris (2015)
Lig-014	groundhog	2.67	-23.3	Morris (2015)
Tho-007	groundhog	2.27	-23.76	Morris (2015)
Van-044	groundhog	3.09	-25.6	Morris (2015)
Van-056	groundhog	3.11	-23.66	Morris (2015)
Van-069	groundhog	3.05	-25.49	Morris (2015)
Van-072	groundhog	3.13	-26.39	Morris (2015)
Van-080	groundhog	2.73	-25.75	Morris (2015)
Van-093	groundhog	3.2	-25.67	Morris (2015)
Van-095	groundhog	2.95	-26.45	Morris (2015)
Van-113	groundhog	4.86	-22.89	Morris (2015)

Van-119	groundhog	3.01	-25.76	Morris (2015)
Wal-017	groundhog	2.13	-23.17	Morris (2015)
Wal-020	groundhog	3.34	-25.05	Morris (2015)
Lia-014	muskrat	4.71	-20.43	Morris (2015)
Wal-025	muskrat	7.28	-23	Morris (2015)
Wal-052	muskrat	6.79	-20.55	Morris (2015)
Lia-007	porcupine	4.93	-19.86	Morris (2015)
Van-102	porcupine	5.6	-21.41	Morris (2015)
Wal-054	porcupine	4.42	-20.21	Morris (2015)
OLG-015	rabbit	4.66	-19.74	Morris (2015)
Pip(2)-017	rabbit	4.11	-19.49	Morris (2015)
Tho-019	rabbit	3.44	-22.12	Morris (2015)
Tho-023	rabbit	3.46	-22.08	Morris (2015)
Van-068	rabbit	3.96	-27.35	Morris (2015)
Van-118	rabbit	4.14	-23.1	Morris (2015)
Wal-024	rabbit	4.08	-22.05	Morris (2015)
Wal-053	rabbit	2.09	-27.08	Morris (2015)
PRY01.1	raccoon	9.36	-21.34	Booth (2014)
PRY02.1	raccoon	10.37	-20.91	Booth (2014)
PRY03.1	raccoon	8.87	-21.08	Booth (2014)
PRY07.1	raccoon	9.35	-21.82	Booth (2014)
PRY08.1	raccoon	9.65	-23.13	Booth (2014)
PRY09.1	raccoon	9.45	-21.16	Booth (2014)
PRY11.1	raccoon	8.8	-20.56	Booth (2014)
PRY12.1	raccoon	9.16	-20.39	Booth (2014)
PRY13.1	raccoon	8.72	-20.45	Booth (2014)
PRY15.1	raccoon	9.18	-20.69	Booth (2014)
PRY16.1	raccoon	9.83	-21.45	Booth (2014)
PRY17.1	raccoon	6.18	-20.93	Booth (2014)
PRY18.1	raccoon	8.81	-21.23	Morris (2015)
Bog-002	raccoon	8.09	-20.96	Morris (2015)
Crf-039	raccoon	6.76	-13.98	Morris (2015)

Crf-040	raccoon	7.51	-15.52	Morris (2015)
Fon-109	raccoon	8.95	-20.96	Morris (2015)
IWP(01)-017	raccoon	9.47	-20.36	Morris (2015)
IWP(09)-001	raccoon	7.84	-19.88	Morris (2015)
IWP(09)-004	raccoon	9.65	-21.28	Morris (2015)
IWP(09)-010	raccoon	9.72	-20.66	Morris (2015)
IWP(09)-014	raccoon	9.03	-20.07	Morris (2015)
IWP(09)-018	raccoon	9.45	-21.56	Morris (2015)
IWP(09)-040	raccoon	10.35	-21.27	Morris (2015)
IWP(09)-078	raccoon	7.68	-20.13	Morris (2015)
IWP(09)-111	raccoon	9.13	-20.82	Morris (2015)
IWP(09)-116	raccoon	5.83	-20.77	Morris (2015)
IWP(09)-118	raccoon	8.49	-20.93	Morris (2015)
IWP(09)-131	raccoon	9.64	-20.48	Morris (2015)
Lia-001	raccoon	9.84	-23.48	Morris (2015)
Lia-012	raccoon	4.62	-21.36	Morris (2015)
Lia-013	raccoon	9.11	-23.61	Morris (2015)
Lia-013 DUP	raccoon	9.09	-23.72	Morris (2015)
Mon-001	raccoon	9.25	-21.29	Morris (2015)
Pip(1)-151	raccoon	9.58	-22.87	Morris (2015)
Sil-006	raccoon	9.08	-20.46	Morris (2015)
Van-103	raccoon	9.59	-20.5	Morris (2015)
Van-106	raccoon	8.87	-20.94	Morris (2015)
Wal-042	raccoon	7.44	-21.27	Morris (2015)
Wal-055	raccoon	8.3	-22.25	Morris (2015)
Wal-056	raccoon	8.81	-21.27	Morris (2015)
Win-218	raccoon	7.46	-19.73	Morris (2015)
Win-218 DUP	raccoon	7.44	-19.73	Morris (2015)
Win-233	raccoon	9.56	-21.67	Morris (2015)
Sla-007	raccoon	5.04	-23.18	Morris (2015)
Sla-034	raccoon	5.08	-22.96	Morris (2015)
Wal-026	raccoon	7.23	-25.05	Morris (2015)

Fon-030	squirrel	5.54	-18.53	Morris (2015)
Fon-064	squirrel	4.64	-20.45	Morris (2015)
Fon-091	squirrel	5.04	-19.83	Morris (2015)
Fon-113	squirrel	5.15	-20.02	Morris (2015)
Sla-032	squirrel	4.34	-19.38	Morris (2015)
Tho-005	squirrel	5.03	-19.2	Morris (2015)
Van-041	squirrel	4.52	-20.42	Morris (2015)
Van-042	squirrel	4.09	-20.28	Morris (2015)
Van-052	squirrel	6.66	-18.5	Morris (2015)
Van-085	squirrel	4.97	-19.49	Morris (2015)
Van-090	squirrel	6.39	-19.76	Morris (2015)
Van-091	squirrel	4.86	-19.6	Morris (2015)
Wal-048	squirrel	4.54	-19.32	Morris (2015)
Wal-049	squirrel	3.84	-19.47	Morris (2015)
BrB-02	turkey	5.5	-20.89	Morris et al (2016)
BrB-03	turkey	5.28	-20.68	Morris et al (2016)
Clv-033 +	turkey	6.25	-20.77	Morris et al (2016)
Crf-043~	turkey	6.04	-20.61	Morris et al (2016)
Crf-044~	turkey	5.77	-20.16	Morris et al (2016)
Crf-045~	turkey	6.74	-17.75	Morris et al (2016)
Crf-046~	turkey	6.6	-18.53	Morris et al (2016)
Crf-047~	turkey	7.24	-17.44	Morris et al (2016)
Crf-048~	turkey	6.56	-18.78	Morris et al (2016)
Crf-051~	turkey	6.17	-20.92	Morris et al (2016)
Fon-020	turkey	6.31	-21.59	Morris et al (2016)
Fon-033	turkey	6.9	-21.01	Morris et al (2016)
Fon-104	turkey	5.39	-21.29	Morris et al (2016)
Ham-05	turkey	8.17	-9.93	Morris et al (2016)
Ham-06	turkey	6.25	-19.8	Morris et al (2016)
Ham-07	turkey	6.13	-20.64	Morris et al (2016)
Ham-08	turkey	6.75	-17.08	Morris et al (2016)
Ham-09~	turkey	6.39	-19.59	Morris et al (2016)

Ham-10~	turkey	4.88	-22.83	Morris et al (2016)
Ham-11~	turkey	5.55	-19.13	Morris et al (2016)
IWP(01)-30	turkey	6.75	-22.37	Morris et al (2016)
IWP(03)-02	turkey	6.76	-21.88	Morris et al (2016)
IWP(03)-06	turkey	6.58	-21.45	Morris et al (2016)
IWP(03)-07	turkey	5.79	-23.48	Morris et al (2016)
IWP(03)-08	turkey	5.47	-23.18	Morris et al (2016)
IWP(03)-15	turkey	6.14	-21.85	Morris et al (2016)
IWP(09)-009	turkey	5.67	-21.49	Morris et al (2016)
IWP(09)-012	turkey	5.75	-23.56	Morris et al (2016)
IWP(09)-048	turkey	4.72	-20.21	Morris et al (2016)
IWP(09)-079	turkey	6.67	-23.24	Morris et al (2016)
IWP(09)-083	turkey	5.96	-23.67	Morris et al (2016)
IWP(09)-032	turkey	6.78	-22.07	Morris et al (2016)
IWP(09)-088	turkey	8.49	-22.45	Morris et al (2016)
IWP(09)-119	turkey	5.71	-23.17	Morris et al (2016)
IWP(09)-122	turkey	7.64	-21.3	Morris et al (2016)
Pip(1)-010^	turkey	6.18	-20.52	Morris et al (2016)
Pip(1)-023 +	turkey	6.39	-20.76	Morris et al (2016)
Pip(1)-024 +	turkey	6.03	-21.05	Morris et al (2016)
Pip(1)-025	turkey	6.03	-21.52	Morris et al (2016)
Pip(1)-048	turkey	6.84	-19.88	Morris et al (2016)
Pip(1)-075	turkey	8.49	-20.62	Morris et al (2016)
Pip(1)-179	turkey	5.97	-20.4	Morris et al (2016)
Pip(1)-184	turkey	5.44	-22.5	Morris et al (2016)
Pip(2)-070	turkey	6.86	-20.07	Morris et al (2016)
Pri-007	turkey	5.24	-18.33	Morris et al (2016)
Rif-062	turkey	7.12	-20.63	Morris et al (2016)
Rif-080	turkey	6.81	-22.34	Morris et al (2016)
Rif-092	turkey	6.78	-19.8	Morris et al (2016)
Rif-107	turkey	5.18	-22.96	Morris et al (2016)
Tho-035	turkey	0.03	-22.36	Morris et al (2016)

Tho-046	turkey	5.86	-22.31	Morris et al (2016)
Tho-054	turkey	4	-21.78	Morris et al (2016)
Tho-058	turkey	4.87	-22.22	Morris et al (2016)
Tho-065	turkey	6.6	-22.16	Morris et al (2016)
Van-011	turkey	5.56	-21.33	Morris et al (2016)
Van-012	turkey	6.76	-21.32	Morris et al (2016)
Van-017	turkey	6.31	-20.93	Morris et al (2016)
Wal-050	turkey	5.46	-20.19	Morris et al (2016)
Wal-051	turkey	5.63	-21.95	Morris et al (2016)
Win-047	turkey	6.92	-19.55	Morris et al (2016)
Win-221	turkey	6.11	-19.02	Morris et al (2016)

S2 Table 4. Fish collagen isotope ratios used in Bayesian dietary mixing models.

Specimen	Group	$\delta^{15}N$	$\delta^{13}C$	Reference	Category
Anguilla rostrata (American eel)	Catadromous	7.8	-15.2	Pfeiffer et al. (2016)	Medium N Fish
Anguilla rostrata (American eel)	Catadromous	10.2	-23.5	Pfeiffer et al. (2016)	Medium N Fish
Anguilla rostrata (American eel)	Catadromous	8.6	-14.6	Pfeiffer et al. (2016)	Medium N Fish
Anguilla rostrata (American eel)	Catadromous	9.2	-17.2	Pfeiffer et al. (2016)	Medium N Fish
Anguilla rostrata (American eel)	Catadromous	9.8	-25.8	Pfeiffer et al. (2016)	Medium N Fish
Anguilla rostrata (American eel)	Catadromous	6.4	-22.5	Pfeiffer et al. (2016)	Medium N Fish
Anguilla rostrata (American eel)	Catadromous	8.3	-15.9	Pfeiffer et al. (2016)	Medium N Fish
Anguilla rostrata (American eel)	Catadromous	9.2	-17.1	Pfeiffer et al. (2016)	Medium N Fish
Anguilla rostrata (American eel)	Catadromous	10.5	-16.9	Pfeiffer et al. (2016)	Medium N Fish
Anguilla rostrata (American eel)	Catadromous	10.5	-16.9	Pfeiffer et al. (2016)	Medium N Fish
Anguilla rostrata (American eel)	Catadromous	8.1	-16.2	Pfeiffer et al. (2016)	Medium N Fish
Salmonidae (2)	Salmonidae	10.1	-19.4	Pfeiffer et al. (2016)	High N Fish
Salmo salar (Atlantic salmon)	Salmonidae	10.4	-19.7	Pfeiffer et al. (2016)	High N Fish
Salmo salar (Atlantic salmon)	Salmonidae	10.7	-19.2	Pfeiffer et al. (2016)	High N Fish
Salmo salar (Atlantic salmon)	Salmonidae	10.2	-19.6	Pfeiffer et al. (2016)	High N Fish
Salmo salar (Atlantic salmon)	Salmonidae	9.6	-19.1	Pfeiffer et al. (2016)	High N Fish
Salmo salar (Atlantic salmon)	Salmonidae	10.7	-19.6	Pfeiffer et al. (2016)	High N Fish
Salmo salar (Atlantic salmon)	Salmonidae	9.9	-19.3	Pfeiffer et al. (2016)	High N Fish

Salmo salar (Atlantic salmon)	Salmonidae	10.1	-19.3	Pfeiffer et al. (2016)	High N Fish
Salvelinus namaycush (Lake trout)	Salmonidae	9.7	-19.5	Pfeiffer et al. (2016)	High N Fish
Salvelinus namaycush (Lake trout)	Salmonidae	12.1	-20.7	Pfeiffer et al. (2016)	High N Fish
Salvelinus namaycush (Lake trout)	Salmonidae	11	-20.3	Pfeiffer et al. (2016)	High N Fish
Salvelinus namaycush (Lake trout)	Salmonidae	11.8	-21	Pfeiffer et al. (2016)	High N Fish
Coregonus clupeaformis (Lake whitefish)	Salmonidae	8.8	-20.6	Pfeiffer et al. (2016)	High N Fish
Coregonus clupeaformis (Lake whitefish)	Salmonidae	8.3	-21.7	Pfeiffer et al. (2016)	High N Fish
Coregonus clupeaformis (Lake whitefish)	Salmonidae	8.8	-21.3	Pfeiffer et al. (2016)	High N Fish
Coregonus clupeaformis (Lake whitefish)	Salmonidae	7.6	-20.9	Pfeiffer et al. (2016)	High N Fish
9350	Salmonidae	10.06	-19.89	Guiry et al. (2016)	High N Fish
9351	Salmonidae	10.23	-19.67	Guiry et al. (2016)	High N Fish
9352	Salmonidae	10.44	-19.73	Guiry et al. (2016)	High N Fish
9353	Salmonidae	9.97	-20.28	Guiry et al. (2016)	High N Fish
9354	Salmonidae	9.59	-20.65	Guiry et al. (2016)	High N Fish
9354	Salmonidae	9.7	-20.71	Guiry et al. (2016)	High N Fish
9355	Salmonidae	10.42	-20.1	Guiry et al. (2016)	High N Fish
9356	Salmonidae	10.79	-20.28	Guiry et al. (2016)	High N Fish
9357	Salmonidae	11.01	-20.35	Guiry et al. (2016)	High N Fish
9359	Salmonidae	10.18	-20	Guiry et al. (2016)	High N Fish
9361	Salmonidae	10.31	-20.49	Guiry et al. (2016)	High N Fish
9364	Salmonidae	10.49	-19.64	Guiry et al. (2016)	High N Fish
10254	Salmonidae	10.03	-22.12	Guiry et al. (2016)	High N Fish
10255	Salmonidae	9.9	-22.2	Guiry et al. (2016)	High N Fish
10256	Salmonidae	10.28	-22.68	Guiry et al. (2016)	High N Fish
10257	Salmonidae	10.9	-22.56	Guiry et al. (2016)	High N Fish
10258	Salmonidae	13.72	-15.11	Guiry et al. (2016)	High N Fish
10259	Salmonidae	11.77	-15.38	Guiry et al. (2016)	High N Fish
10260	Salmonidae	10.53	-15.16	Guiry et al. (2016)	High N Fish
10261	Salmonidae	10.72	-21.9	Guiry et al. (2016)	High N Fish
10262	Salmonidae	10.33	-22.1	Guiry et al. (2016)	High N Fish
10642	Salmonidae	13.25	-18.85	Guiry et al. (2016)	High N Fish
10643	Salmonidae	13.07	-19.91	Guiry et al. (2016)	High N Fish

10649	Salmonidae	10.28	-19.62	Guiry et al. (2016)	High N Fish
10650	Salmonidae	10.3	-19.61	Guiry et al. (2016)	High N Fish
10651	Salmonidae	10	-20.31	Guiry et al. (2016)	High N Fish
10652	Salmonidae	10.46	-20.73	Guiry et al. (2016)	High N Fish
10653	Salmonidae	10.19	-19.67	Guiry et al. (2016)	High N Fish
10654	Salmonidae	10.12	-20.1	Guiry et al. (2016)	High N Fish
10655	Salmonidae	10.19	-20.32	Guiry et al. (2016)	High N Fish
10656	Salmonidae	10.2	-20.34	Guiry et al. (2016)	High N Fish
10657	Salmonidae	10.15	-19.83	Guiry et al. (2016)	High N Fish
10658	Salmonidae	12.9	-19.44	Guiry et al. (2016)	High N Fish
10659	Salmonidae	14.75	-18.92	Guiry et al. (2016)	High N Fish
10660	Salmonidae	12.91	-19.42	Guiry et al. (2016)	High N Fish
10661	Salmonidae	12.92	-18.73	Guiry et al. (2016)	High N Fish
10664	Salmonidae	10.53	-20.02	Guiry et al. (2016)	High N Fish
10665	Salmonidae	10.18	-20.15	Guiry et al. (2016)	High N Fish
10666	Salmonidae	9.74	-20.22	Guiry et al. (2016)	High N Fish
10667	Salmonidae	10.32	-20.01	Guiry et al. (2016)	High N Fish
10668	Salmonidae	10.39	-19.96	Guiry et al. (2016)	High N Fish
10669	Salmonidae	10.06	-20.05	Guiry et al. (2016)	High N Fish
10670	Salmonidae	10.72	-20.13	Guiry et al. (2016)	High N Fish
10671	Salmonidae	10.83	-19.92	Guiry et al. (2016)	High N Fish
10672	Salmonidae	9.79	-20.84	Guiry et al. (2016)	High N Fish
10673	Salmonidae	10.77	-20.1	Guiry et al. (2016)	High N Fish
10674	Salmonidae	10.76	-19.63	Guiry et al. (2016)	High N Fish
10675	Salmonidae	10.36	-19.84	Guiry et al. (2016)	High N Fish
10676	Salmonidae	10.1	-19.77	Guiry et al. (2016)	High N Fish
10677	Salmonidae	10.12	-20.9	Guiry et al. (2016)	High N Fish
10678	Salmonidae	10.23	-19.63	Guiry et al. (2016)	High N Fish
10679	Salmonidae	10.56	-19.84	Guiry et al. (2016)	High N Fish
10680	Salmonidae	10.55	-19.36	Guiry et al. (2016)	High N Fish
10681	Salmonidae	10.5	-19.83	Guiry et al. (2016)	High N Fish
10682	Salmonidae	10.02	-19.71	Guiry et al. (2016)	High N Fish

10683	Salmonidae	10.36	-20.1	Guiry et al. (2016)	High N Fish
10684	Salmonidae	10.08	-19.95	Guiry et al. (2016)	High N Fish
10685	Salmonidae	10.36	-19.66	Guiry et al. (2016)	High N Fish
10687	Salmonidae	10.23	-19.55	Guiry et al. (2016)	High N Fish
10688	Salmonidae	10.57	-20.57	Guiry et al. (2016)	High N Fish
10689	Salmonidae	10.05	-20.13	Guiry et al. (2016)	High N Fish
11703	Salmonidae	9.94	-15.26	Guiry et al. (2016)	High N Fish
11704	Salmonidae	9.84	-15.87	Guiry et al. (2016)	High N Fish
11705	Salmonidae	9.96	-16.63	Guiry et al. (2016)	High N Fish
11706	Salmonidae	9.92	-16.6	Guiry et al. (2016)	High N Fish
11707	Salmonidae	9.81	-15.96	Guiry et al. (2016)	High N Fish
10538-1	Salmonidae	11.45	-15.7	Guiry et al. (2016)	High N Fish
10538-2	Salmonidae	11.47	-15.53	Guiry et al. (2016)	High N Fish
10539-1	Salmonidae	11.5	-15.75	Guiry et al. (2016)	High N Fish
10539-2	Salmonidae	11.52	-15.72	Guiry et al. (2016)	High N Fish
10540-1	Salmonidae	12.53	-20.06	Guiry et al. (2016)	High N Fish
10540-2	Salmonidae	12.55	-19.93	Guiry et al. (2016)	High N Fish
10541-1	Salmonidae	13.68	-19.55	Guiry et al. (2016)	High N Fish
10541-2	Salmonidae	12.47	-19.98	Guiry et al. (2016)	High N Fish
10542-1	Salmonidae	13.05	-19.82	Guiry et al. (2016)	High N Fish
10542-2	Salmonidae	12.54	-19.7	Guiry et al. (2016)	High N Fish
10642	Salmonidae	13.25	-18.85	Guiry et al. (2016)	High N Fish
10643	Salmonidae	13.07	-19.91	Guiry et al. (2016)	High N Fish
Coregonus clupeaformis (Lake whitefish)	Salmonidae	8.5	-21.1	Pfeiffer et al. (2016)	High N Fish
Amia calva (Bowfin)	Nominally piscivorous	8	-23.4	Pfeiffer et al. (2016)	Medium N Fish
Amia calva (Bowfin)	Nominally piscivorous	7.6	-23.7	Pfeiffer et al. (2016)	Medium N Fish
Ameiurus nebulosus (Brown bullhead)	Nominally piscivorous	7.1	-21.1	Pfeiffer et al. (2016)	Medium N Fish
Ameiurus nebulosus (Brown bullhead)	Nominally piscivorous	7.2	-23	Pfeiffer et al. (2016)	Medium N Fish
Ameiurus nebulosus (Brown bullhead)	Nominally piscivorous	5.8	-18.5	Pfeiffer et al. (2016)	Medium N Fish
Ameiurus nebulosus (Brown bullhead)	Nominally piscivorous	7	-19.9	Pfeiffer et al. (2016)	Medium N Fish
Ameiurus nebulosus (Brown bullhead)	Nominally piscivorous	6.3	-20.8	Pfeiffer et al. (2016)	Medium N Fish
Ameiurus nebulosus (Brown bullhead)	Nominally piscivorous	5.6	-18.1	Pfeiffer et al. (2016)	Medium N Fish

Esox americanus (Grass pickerel)	Piscivorous	7.5	-23.6	Pfeiffer et al. (2016)	Medium N Fish
Esox americanus (Grass pickerel)	Piscivorous	7.8	-22.9	Pfeiffer et al. (2016)	Medium N Fish
Esox lucius (Northern pike)	Piscivorous	8.8	-20.8	Pfeiffer et al. (2016)	Medium N Fish
Esox lucius (Northern pike)	Piscivorous	9.4	-18.2	Pfeiffer et al. (2016)	Medium N Fish
Esox lucius (Northern pike)	Piscivorous	8.6	-20.6	Pfeiffer et al. (2016)	Medium N Fish
Esox lucius (Northern pike)	Piscivorous	9.3	-18.3	Pfeiffer et al. (2016)	Medium N Fish
Esox lucius (Northern pike)	Piscivorous	9.8	-18.7	Pfeiffer et al. (2016)	Medium N Fish
Micropterus dolomieu (Smallmouth bass)	Nominally piscivorous	8.9	-17.3	Pfeiffer et al. (2016)	Medium N Fish
Micropterus dolomieu (Smallmouth bass)	Nominally piscivorous	9.1	-17.6	Pfeiffer et al. (2016)	Medium N Fish
Micropterus salmoides (Largemouth bass)	Nominally piscivorous	8.5	-18.8	Pfeiffer et al. (2016)	Medium N Fish
Micropterus salmoides (Largemouth bass)	Nominally piscivorous	8	-20	Pfeiffer et al. (2016)	Medium N Fish
Micropterus salmoides (Largemouth bass)	Nominally piscivorous	8.4	-19.2	Pfeiffer et al. (2016)	Medium N Fish
Micropterus salmoides (Largemouth bass)	Nominally piscivorous	7.2	-23.1	Pfeiffer et al. (2016)	Medium N Fish
Micropterus salmoides (Largemouth bass)	Nominally piscivorous	7.9	-18.9	Pfeiffer et al. (2016)	Medium N Fish
Perca flavescens (Yellow perch)	Nominally piscivorous	10.2	-19	Pfeiffer et al. (2016)	Medium N Fish
Perca flavescens (Yellow perch)	Nominally piscivorous	10.2	-21.4	Pfeiffer et al. (2016)	Medium N Fish
Perca flavescens (Yellow perch)	Nominally piscivorous	9.9	-17.8	Pfeiffer et al. (2016)	Medium N Fish
Perca flavescens (Yellow perch)	Nominally piscivorous	8.8	-19	Pfeiffer et al. (2016)	Medium N Fish
Perca flavescens (Yellow perch)	Nominally piscivorous	8.6	-24.1	Pfeiffer et al. (2016)	Medium N Fish
Perca flavescens (Yellow perch)	Nominally piscivorous	9.3	-19	Pfeiffer et al. (2016)	Medium N Fish
Perca flavescens (Yellow perch)	Nominally piscivorous	9.2	-17.4	Pfeiffer et al. (2016)	Medium N Fish
Perca flavescens (Yellow perch)	Nominally piscivorous	9.3	-18.5	Pfeiffer et al. (2016)	Medium N Fish
Stizostedion sp. (Walleye or sauger)	Nominally piscivorous	11.7	-17.4	Pfeiffer et al. (2016)	Medium N Fish
Sander vitreus (Walleye)	Nominally piscivorous	8	-16.3	Pfeiffer et al. (2016)	Medium N Fish
Lota lota (Burbot)	Oily liver	12	-21	Pfeiffer et al. (2016)	High N Fish
Lota lota (Burbot)	Oily liver	12.1	-19.4	Pfeiffer et al. (2016)	High N Fish
Lota lota (Burbot)	Oily liver	14	-20.2	Pfeiffer et al. (2016)	High N Fish
Lota lota (Burbot)	Oily liver	11.3	-21.1	Pfeiffer et al. (2016)	High N Fish
Lota lota (Burbot)	Oily liver	10.5	-16.9	Pfeiffer et al. (2016)	High N Fish
Lota lota (Burbot)	Oily liver	12.7	-20.6	Pfeiffer et al. (2016)	High N Fish
Lota lota (Burbot)	Oily liver	10.2	-19.4	Pfeiffer et al. (2016)	High N Fish
Lota lota (Burbot)	Oily liver	12.8	-19.5	Pfeiffer et al. (2016)	High N Fish

Lota lota (Burbot)	Oily liver	12	-19.7	Pfeiffer et al. (2016)	High N Fish
Catostomus sp. (Sucker)	Non-piscivorous	7.1	-18.8	Pfeiffer et al. (2016)	Low N Fish
Catostomus sp. (Sucker)	Non-piscivorous	6.6	-18.4	Pfeiffer et al. (2016)	Low N Fish
Catostomus sp. (Sucker)	Non-piscivorous	3.6	-23.1	Pfeiffer et al. (2016)	Low N Fish
Catostomus catostomus (Longnose sucker)	Non-piscivorous	5.8	-17.5	Pfeiffer et al. (2016)	Low N Fish
Catostomus commersoni (White sucker)	Non-piscivorous	6	-22.2	Pfeiffer et al. (2016)	Low N Fish
Catostomus commersoni (White sucker)	Non-piscivorous	5.4	-18.5	Pfeiffer et al. (2016)	Low N Fish
Catostomus commersoni (White sucker)	Non-piscivorous	5.5	-18.2	Pfeiffer et al. (2016)	Low N Fish
Catostomus commersoni (White sucker)	Non-piscivorous	5.1	-16.7	Pfeiffer et al. (2016)	Low N Fish
Ictalurus cf. punctatus (probable Channel catfish)	Non-piscivorous	8.1	-17.4	Pfeiffer et al. (2016)	Low N Fish
Ictalurus cf. punctatus (probable Channel catfish)	Non-piscivorous	9.1	-17.4	Pfeiffer et al. (2016)	Low N Fish
(Sunfish)	Non-piscivorous	9.1	-18.2	Pfeiffer et al. (2016)	Low N Fish
Ambloplites rupestris (Rock bass)	Non-piscivorous	8	-24.9	Pfeiffer et al. (2016)	Low N Fish
Ambloplites rupestris (Rock bass)	Non-piscivorous	8.3	-20.9	Pfeiffer et al. (2016)	Low N Fish
Ambloplites rupestris (Rock bass)	Non-piscivorous	8.6	-21.6	Pfeiffer et al. (2016)	Low N Fish
Ambloplites rupestris (Rock bass)	Non-piscivorous	7.8	-21.1	Pfeiffer et al. (2016)	Low N Fish
Ambloplites rupestris (Rock bass)	Non-piscivorous	8.7	-22.4	Pfeiffer et al. (2016)	Low N Fish
Lepomis gibbosus (Pumpkinseed)	Non-piscivorous	6.6	-15.8	Pfeiffer et al. (2016)	Low N Fish
Lepomis gibbosus (Pumpkinseed)	Non-piscivorous	7.2	-23.2	Pfeiffer et al. (2016)	Low N Fish
Lepomis gibbosus (Pumpkinseed)	Non-piscivorous	7.1	-17.6	Pfeiffer et al. (2016)	Low N Fish
Lepomis gibbosus (Pumpkinseed)	Non-piscivorous	4.4	-20.3	Pfeiffer et al. (2016)	Low N Fish
Pomoxis cf. nigromaculatus	Non-piscivorous	7.9	-20.1	Pfeiffer et al. (2016)	Low N Fish
Pomoxis cf. nigromaculatus	Non-piscivorous	8	-21.5	Pfeiffer et al. (2016)	Low N Fish
Aplodinotus grunniens (Freshwater drum)	Non-piscivorous	6.1	-11.5	Pfeiffer et al. (2016)	Low N Fish

S2 Table 5. Micromammal collagen isotope ratios used in Bayesian dietary mixing models.

$\delta^{13}C$	$\delta^{15}N$	Reference
-16.6	6.6	Guiry et al. 2021
-7.8	9.9	Guiry et al. 2021
-14.1	10.1	Guiry et al. 2021
-13.6	8.4	Guiry et al. 2021
-8.1	9.7	Guiry et al. 2021
-8.6	9.3	Guiry et al. 2021
-8.7	9.4	Guiry et al. 2021
-8.9	10.2	Guiry et al. 2021
-14.8	13.2	Guiry et al. 2021
-13.1	9.7	Guiry et al. 2021
-9.8	10.9	Guiry et al. 2021
-10.5	11.5	Guiry et al. 2021
-6.5	10	Guiry et al. 2021
-7.1	9.2	Guiry et al. 2021

S2 Table 6. Source isotope means, standard deviations and concentrations used in models.

Sources	Mean $\delta^{13}C$	SD $\delta^{13}C$	Mean $\delta^{15}N$	SD $\delta^{15}N$	Conc C	Conc N	n
Maize	-9.36	1.67	4.76	1.63	0.5	0.02	81
Terrestrial	-21.64	1.94	5.89	1.63	0.56	0.12	404
HighN_Fish	-19.59	1.63	10.82	1.29	0.48	0.1	105
MedN_Fish	-19.49	2.74	8.54	1.32	0.52	0.12	43
LowN_Fish	-19.45	2.97	6.96	1.52	0.51	0.15	23
HighC_micromammals	-10.59	3.23	9.86	1.49	0.56	0.12	14
human feces	varies by site and century see S2 Table 2				0.2	0.03	13

S2 Table 7. Cand N concentration calculations.

Source	Protein	Carb	Fat	N Conc.	C Conc.
deer	0.76	0	0.25	0.12	0.58
salmon`	0.63	0	0.2	0.10	0.48
perch	0.93	0	0.04	0.15	0.51
bass	0.78	0	0.15	0.12	0.52
turkey	0.71	0	0.28	0.11	0.58
squirrel	0.81	0	0.12	0.13	0.51
maize	0.1	0.91	0.05	0.02	0.50
beaver	0.83	0	0.17	0.13	0.56
feces				0.03	0.20
terrestrial average	0.78	0	0.21	0.12	0.56

S2 Table 8. Trophic enrichment factors used in models.

Sources	Mean $\delta^{13}C$	SD $\delta^{13}C$	Mean $\delta^{15}N$	SD $\delta^{15}N$
Maize	5	0.1	3	0.1
Terrestrial	1.1	0.2	3.8	0.2
HighN_Fish	1.1	0.2	3.8	0.2
MedN_Fish	1.1	0.2	3.8	0.2
LowN_Fish	1.1	0.2	3.8	0.2
HighC_micromammals	1.1	0.2	3.8	0.2
human feces	5	0.1	3	0.1

Reference Cited

Booth, Laura. 2014. A stable isotope analysis of faunal remains from special deposits on Ontario Iroquoian tradition sites. PhD. dissertation, The University of Western Ontario, London. https://ir.lib.uwo.ca/etd/2644/

Glencross, Bonnie, Gary Warrick, Taylor Smith, and Tracy L. Prowse. 2022. Estimating ancient Huron-Wendat diet in southern Ontario using stable isotopes from dogs. *Journal of Archaeological Science: Reports* 41:103324. doi:10.1016/j.jasrep.2021.103324

Guiry, Eric, Trevor J. Orchard, Suzanne Needs-Howarth, and Paul Szpak. 2021. Isotopic evidence for garden hunting and resource depression in the Late Woodland of Northeastern North America. *American Antiquity* 86: 90-110. doi:10.1017/aaq.2020.86

Guiry, Eric J., Suzanne Needs-Howarth, Kevin D. Friedland, Alicia L. Hawkins, Paul Szpak, Rebecca Macdonald, Michelle Courtemanche, Erling Holm, and Michael P. Richards. 2016. Lake Ontario salmon (*Salmo salar*) were not migratory: A long-standing historical debate solved through stable isotope analysis. *Scientific Reports* 6:36249. https://doi.org/10.1038/srep36249

Harrison, Roman G., and M. Anne Katzenberg. 2003. Paleodiet studies using stable carbon isotopes from bone apatite and collagen: examples from Southern Ontario and San Nicolas Island, California. *Journal of Anthropological Archaeology* 22: 227-244. doi:10.1016/S0278-4165(03)00037-0

Katzenberg, M. Anne. 1989. Stable isotope analysis of archaeological faunal remains from southern Ontario. *Journal of Archaeological Science* 16: 319-329. doi:10.1016/0305-4403(89)90008-3

Morris, Zoe H. 2015. Reconstructing subsistence practices of southwestern Ontario Late Woodland Peoples (AD 900-1600) using stable isotopic analyses of faunal material. Ph.D. dissertation. The University of Western Ontario. https://ir.lib.uwo.ca/etd/2921/

Morris, Zoe, Christine White, Lisa Hodgetts, and Fred Longstaffe. 2016. Maize provisioning of Ontario Late Woodland turkeys: isotopic evidence of seasonal, cultural, spatial and temporal variation." *Journal of Archaeological Science: Reports* 10: 596-606. doi:10.1016/j.jasrep.2016.06.017

Pfeiffer, Susan, Judith C. Sealy, Ronald F. Williamson, Suzanne Needs-Howarth, and Louis Lesage. 2016. Maize, fish, and deer: investigating dietary staples among ancestral Huron-Wendat villages, as documented from tooth samples. *American Antiquity* 81: 515-532. doi:10.1017/S0002731600003978

Pfeiffer, Susan, Ronald F. Williamson, Judith C. Sealy, David G. Smith, and Meradeth H. Snow. 2014. Stable dietary isotopes and mtDNA from Woodland period southern Ontario people: results from a tooth sampling protocol. *Journal of Archaeological Science* 42: 334-345. doi:10.1016/j.jasrep.2020.102466

Schwarcz, Henry P., Jerry Melbye, M. Anne Katzenberg, and Martin Knyf. 1985. Stable isotopes in human skeletons of southern Ontario: reconstructing palaeodiet. *Journal of Archaeological Science* 12: 187-206. doi:10.1016/0305-4403(85)90020-2

Van der Merwe, Nikolaas J., Ronald F. Williamson, Susan Pfeiffer, Stephen Cox Thomas, and Kim Oakberg Allegretto. 2003. The Moatfield ossuary: isotopic dietary analysis of an Iroquoian community, using dental tissue. *Journal of Anthropological Archaeology* 22:245-261. doi:10.1016/S0278-4165(03)00038-2