Online Supplemental Material

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Coyote (*Canis latrans*) mammalian prey diet shifts in response to seasonal vegetation change

Tables S1-S2

Table S1. Carbon and nitrogen isotope values (‰) for dietary sources (i.e., C₃ vs. C₄ plants) for coyote mammalian prey. Mean values for diet to tissue discrimination factors for small mammal hair were added to the raw isotope values ($\Delta^{13}\text{C} = 2.9\text{‰}$; $\Delta^{15}\text{N} = 3.0\text{‰}$). The corrected values shown here are used by IsotopeR in calculating the mean contribution of C₄ grasses to the diet of the prey. * indicates that data are from a sample that was replicated.

Plant Functional Type (Genus)	Season	Photosynthetic Pathway	Weight (mg)	$\delta^{13}\text{C}$	%C	$\delta^{15}\text{N}$	%N	Digest [C]	Digest [N]
Forb	Fall	C ₃	3.809	-17.72	41.32	6.83	2.34	45.00	6.01
Forb	Summer	C ₃	4.044	-23.20	42.20	5.49	2.84	45.00	7.31
Forb	Summer	C ₃	4.009	-23.55	45.81	4.39	1.71	45.00	4.40
Forb	Fall	C ₃	3.969	-23.41	44.51	3.82	1.56	45.00	4.00
Forb*	Fall	C ₃	3.94	-23.90	41.32	5.25	3.36	45.00	8.63
Forb*	Fall	C ₃	4.139	-23.44	40.97	5.18	3.22	45.00	8.28
Forb	Fall	C ₃	4.184	-23.42	42.93	1.52	2.11	45.00	5.42
Forb	Fall	C ₃	3.869	-24.50	42.07	3.86	2.73	45.00	7.01
Forb	Spring	C ₃	3.81	-24.47	43.07	3.55	1.70	45.00	4.37
Forb	Summer	C ₃	4.092	-23.75	44.79	2.97	2.49	45.00	6.39
Forb	Spring	C ₃	3.947	-22.42	42.64	5.52	2.39	45.00	6.15
Forb	Spring	C ₃	4.156	-24.04	43.45	2.67	2.43	45.00	6.24
Forb	Summer	C ₃	3.939	-23.99	46.08	3.68	2.67	45.00	6.87
Forb	Spring	C ₃	3.878	-22.20	39.68	5.42	2.89	45.00	7.43
Forb	Spring	C ₃	4.124	-23.06	41.07	4.52	3.40	45.00	8.74
Forb	Fall	C ₃	3.818	-24.21	44.81	2.27	3.19	45.00	8.22
Forb*	Spring	C ₃	3.951	-23.31	45.05	3.43	1.39	45.00	3.57
Forb*	Spring	C ₃	3.876	-22.86	44.01	3.40	1.33	45.00	3.41
Shrub (<i>Ephedra</i>)	Fall	C ₃	4.135	-22.11	46.34	4.06	0.91	45.00	2.33
Shrub (<i>Ephedra</i>)	Summer	C ₃	4.157	-22.43	47.28	5.34	1.49	45.00	3.82
Shrub (<i>Gutierrezia</i>)	Fall	C ₃	4.035	-22.25	49.79	4.32	2.16	45.00	5.54
Shrub (<i>Gutierrezia</i>)	Spring	C ₃	4.196	-22.97	47.71	3.61	1.97	45.00	5.07

Plant Functional Type (Genus)	Season	Photosynthetic Pathway	Weight (mg)	$\delta^{13}\text{C}$	%C	$\delta^{15}\text{N}$	%N	Digest [C]	Digest [N]
Shrub (<i>Gutierrezia</i>)	Summer	C ₃	4.035	-22.75	46.69	3.10	1.20	45.00	3.09
Tree (<i>Juniperus</i>)*	Fall	C ₃	3.969	-20.71	55.79	1.88	1.20	45.00	1.72
Tree (<i>Juniperus</i>)*	Fall	C ₃	3.838	-20.53	53.52	1.85	1.23	45.00	1.76
Shrub (<i>Krascheninnikovia</i>)	Fall	C ₃	4.117	-21.30	42.46	8.87	2.27	45.00	5.83
Shrub (<i>Krascheninnikovia</i>)	Spring	C ₃	3.836	-22.40	42.28	8.42	2.14	45.00	5.52
Shrub (<i>Krascheninnikovia</i>)	Summer	C ₃	4.073	-22.44	42.17	7.96	2.05	45.00	5.28
Shrub (<i>Larrea</i>)	Fall	C ₃	3.936	-22.20	49.00	7.79	1.72	45.00	4.41
Shrub (<i>Larrea</i>)	Spring	C ₃	4.101	-21.99	48.40	7.19	1.64	45.00	4.21
Shrub (<i>Larrea</i>)	Summer	C ₃	4.09	-21.46	48.92	8.87	1.79	45.00	4.60
Shrub (<i>Prosopis</i>)	Fall	C ₃	4.121	-22.31	46.30	4.57	2.52	45.00	6.49
Shrub (<i>Prosopis</i>)	Spring	C ₃	4.125	-21.40	46.39	4.27	2.88	45.00	7.41
Shrub (<i>Prosopis</i>)	Summer	C ₃	3.873	-21.82	46.65	4.09	2.77	45.00	7.12
Shrub (<i>Yucca</i>)	Fall	C ₃	4.021	-22.73	51.57	4.43	1.58	45.00	4.05
Shrub (<i>Yucca</i>)	Spring	C ₃	3.833	-21.62	50.56	5.28	1.68	45.00	4.32
Shrub (<i>Yucca</i>)	Summer	C ₃	4.152	-23.97	51.30	5.24	1.37	45.00	3.51
Grass (<i>Aristida</i>)	Fall	C ₄	3.806	-11.49	44.70	4.05	1.27	45.00	3.28
Grass (<i>Aristida</i>)	Spring	C ₄	4.153	-10.61	44.12	3.18	0.87	45.00	2.23
Grass (<i>Aristida</i>)	Summer	C ₄	3.817	-11.46	44.19	4.70	1.36	45.00	3.49
Grass (<i>Bouteloua</i>)	Fall	C ₄	4.11	-11.56	44.61	1.01	1.45	45.00	3.72
Grass (<i>Bouteloua</i>)*	Spring	C ₄	4.118	-12.05	46.26	3.36	0.90	45.00	2.30
Grass (<i>Bouteloua</i>)*	Spring	C ₄	4.066	-12.09	46.28	2.94	0.73	45.00	1.87
Grass (<i>Bouteloua</i>)	Summer	C ₄	4.19	-12.13	44.22	2.88	0.76	45.00	1.95
Grass (<i>Dasyochloa</i>)	Fall	C ₄	3.985	-12.17	42.55	5.04	1.89	45.00	4.86
Grass (<i>Dasyochloa</i>)	Spring	C ₄	4.042	-11.89	42.69	5.44	1.24	45.00	3.19
Grass (<i>Dasyochloa</i>)	Summer	C ₄	3.971	-12.47	43.63	5.14	1.67	45.00	4.29

Plant Functional Type (Genus)	Season	Photosynthetic Pathway	Weight (mg)	$\delta^{13}\text{C}$	%C	$\delta^{15}\text{N}$	%N	Digest [C]	Digest [N]
Grass (<i>Pleuraphis</i>)	Fall	C ₄	4.147	-12.20	42.85	3.81	1.46	45.00	3.75
Grass (<i>Pleuraphis</i>)	Spring	C ₄	3.802	-11.53	44.31	4.83	0.70	45.00	1.79
Grass (<i>Pleuraphis</i>)	Summer	C ₄	3.95	-12.12	43.29	4.45	1.18	45.00	3.04
Grass (<i>Scleropogon</i>)	Fall	C ₄	3.833	-12.04	42.71	8.15	2.32	45.00	5.98
Grass (<i>Scleropogon</i>)	Spring	C ₄	3.902	-11.84	43.19	8.36	1.57	45.00	4.04
Grass (<i>Scleropogon</i>)	Summer	C ₄	4.078	-11.73	43.59	8.48	1.89	45.00	4.86
Grass (<i>Sporobolus</i>)	Fall	C ₄	3.907	-12.72	42.71	4.43	1.84	45.00	4.74
Grass (<i>Sporobolus</i>)	Spring	C ₄	3.801	-11.00	42.83	3.27	0.75	45.00	1.92
Grass (<i>Sporobolus</i>)	Summer	C ₄	4.175	-12.37	43.15	5.40	1.33	45.00	3.43

Table S2. Carbon and nitrogen isotope values (‰) for hair samples from coyote mammalian prey. These values are used by IsotopeR in calculating the mean contribution of C₄ grasses to the diet of the prey (“Mean” column). The standard deviation (St Dev) and 2.5, 50, and 97.5% credible intervals produced by IsotopeR are also shown. The areas (in km²) are the sizes of the circular areas used to assign scats to vegetation types (G = grassland; S = shrubland). * indicates that data are from a sample that was replicated.

Individual	Wt (mg)	$\delta^{13}\text{C}$	%C	$\delta^{15}\text{N}$	%N	Mean	St Dev	2.5%	50%	97.5%	Season	5.6 km ²	1.7 km ²	12.6 km ²	25.2 km ²
1	1.023	-14.2	43.03	8.61	14.76	0.57	0.12	0.37	0.56	0.81	summer	G	G	G	G
1	0.955	-18.4	40.95	4.86	13.93	0.44	0.08	0.31	0.45	0.57	spring	G	G	G	G
1	1.002	-16.2	40.76	5.74	13.01	0.49	0.09	0.35	0.50	0.63	spring	G	G	G	G
1	0.957	-16.2	39.42	5.83	13.01	0.52	0.12	0.34	0.55	0.77	spring	G	G	G	G
1	0.816	-14.8	43.87	6.45	14.62	0.51	0.11	0.33	0.50	0.73	spring	G	G	G	G
1	1.111	-16.4	43.08	7.58	14.66	0.47	0.11	0.22	0.48	0.66	spring	G	G	G	G
1	1.019	-16.2	42.01	4.63	13.98	0.50	0.11	0.27	0.49	0.70	spring	G	G	G	G
1	1.061	-17.4	44.07	6.01	14.66	0.48	0.12	0.26	0.47	0.66	spring	G	G	G	G
1	0.908	-18.6	44.39	4.40	15.11	0.39	0.09	0.26	0.37	0.56	summer	G	G	G	G
3	0.893	-20.3	43.26	5.42	14.49	0.40	0.10	0.28	0.37	0.59	summer	G	G	G	G
3	1.163	-15.8	44.65	4.57	14.10	0.50	0.10	0.35	0.47	0.69	fall	G	G	G	G
6	0.936	-18.5	41.25	4.18	13.98	0.41	0.13	0.18	0.39	0.65	summer	G	G	G	G
9	1.023	-17.9	41.92	6.62	14.38	0.44	0.10	0.26	0.45	0.61	summer	G	G	G	G
12	1.081	-20.4	43.09	5.07	14.00	0.36	0.07	0.25	0.36	0.52	summer	G	G	G	G
14	1.064	-17.1	39.84	8.79	13.60	0.47	0.13	0.22	0.47	0.70	summer	G	G	G	G
14	0.847	-17.4	43.22	7.54	13.97	0.44	0.13	0.17	0.44	0.65	spring	G	G	G	G
14	0.995	-17.1	43.54	10.73	13.68	0.46	0.14	0.21	0.45	0.72	spring	G	G	G	G
14	1.128	-14.0	42.46	7.40	14.23	0.53	0.14	0.33	0.52	0.79	spring	G	G	G	G
14	0.84	-19.7	44.62	8.24	13.63	0.40	0.13	0.14	0.40	0.60	summer	G	G	G	G
15	1.112	-20.5	42.44	4.05	14.49	0.33	0.10	0.17	0.35	0.49	summer	G	S	G	G
15	0.903	-13.1	42.27	7.79	13.97	0.56	0.12	0.39	0.54	0.76	spring	G	S	G	G
15	0.89	-19.2	47.68	5.87	14.61	0.38	0.11	0.16	0.40	0.52	spring	G	S	G	G
15	0.872	-14.8	39.08	6.12	12.85	0.56	0.13	0.37	0.55	0.82	spring	G	G	G	G
15	0.882	-17.2	52.70	7.08	17.72	0.47	0.12	0.28	0.47	0.66	spring	G	G	G	G
15	0.893	-16.7	43.21	5.36	13.16	0.46	0.09	0.30	0.46	0.62	spring	G	S	G	G
15	1.016	-16.2	43.63	5.27	13.74	0.50	0.12	0.28	0.49	0.77	spring	G	S	G	G
15	0.916	-15.8	42.58	5.99	13.97	0.48	0.10	0.31	0.47	0.65	spring	G	G	G	G

Individual	Wt (mg)	$\delta^{13}\text{C}$	%C	$\delta^{15}\text{N}$	%N	Mean	St Dev	2.5%	50%	97.5%	Season	5.6 km ²	1.7 km ²	12.6 km ²	25.2 km ²
15	1.163	-14.7	43.25	7.24	13.33	0.52	0.13	0.33	0.51	0.76	spring	G	G	G	G
15	1.03	-17.1	43.69	5.51	14.83	0.48	0.10	0.29	0.47	0.63	summer	G	G	G	G
15	0.924	-14.4	42.80	4.54	13.95	0.54	0.12	0.33	0.56	0.77	fall	G	S	G	G
16	0.938	-18.8	42.72	3.43	13.93	0.40	0.08	0.27	0.40	0.55	summer	G	G	G	G
16	1.154	-16.3	42.71	4.74	13.84	0.47	0.11	0.31	0.48	0.67	spring	G	G	G	G
16	0.987	-15.9	44.00	5.04	14.00	0.51	0.11	0.34	0.51	0.69	spring	G	G	G	G
16	1.03	-17.1	43.15	4.24	14.36	0.43	0.11	0.23	0.43	0.62	spring	G	G	G	G
16	1.075	-17.2	42.95	8.70	14.37	0.47	0.09	0.34	0.47	0.63	spring	G	G	G	G
16	0.934	-17.5	44.59	5.05	15.04	0.43	0.10	0.25	0.43	0.59	spring	G	G	G	G
16	1.178	-16.6	43.95	6.27	14.75	0.49	0.10	0.35	0.47	0.68	spring	G	G	G	G
16	0.888	-16.2	42.65	5.04	13.78	0.47	0.08	0.34	0.46	0.65	summer	G	G	G	G
16	1.05	-13.1	43.20	3.88	14.40	0.58	0.14	0.37	0.57	0.86	fall	G	G	G	G
17	0.959	-17.4	41.45	6.22	13.71	0.43	0.10	0.25	0.43	0.57	summer	G	G	G	G
17	1.173	-12.8	43.13	8.21	13.87	0.60	0.11	0.40	0.62	0.80	spring	G	G	G	G
17	1.054	-15.7	42.46	4.82	14.22	0.51	0.12	0.33	0.50	0.78	summer	G	G	G	G
19	0.89	-17.3	41.55	3.95	13.88	0.47	0.09	0.32	0.46	0.67	summer	G	S	G	G
19	1.076	-20.6	40.51	5.80	13.65	0.39	0.11	0.19	0.41	0.58	spring	G	S	G	G
21	0.633	-20.1	40.86	7.19	13.41	0.36	0.10	0.14	0.39	0.48	summer	G	G	G	G
22	0.845	-16.2	44.07	9.41	13.02	0.51	0.13	0.30	0.50	0.76	spring	G	G	G	G
23	1.05	-19.7	42.92	5.02	14.52	0.39	0.10	0.18	0.40	0.54	summer	G	G	G	G
23	0.843	-15.8	44.80	8.53	14.01	0.48	0.14	0.21	0.51	0.68	spring	G	G	G	G
24	0.955	-10.3	44.07	6.08	15.00	0.65	0.12	0.44	0.66	0.84	summer	G	G	G	G
24	1.037	-17.0	42.38	5.90	14.55	0.48	0.10	0.23	0.49	0.63	spring	G	G	G	G
24	0.864	-14.9	42.97	6.22	14.54	0.55	0.11	0.40	0.57	0.73	fall	G	G	G	G
25	0.113	-16.9	29.72	8.29	4.24	0.48	0.12	0.29	0.46	0.72	summer	G	G	G	G
25	0.915	-16.1	45.04	6.97	14.77	0.48	0.10	0.34	0.47	0.67	spring	G	G	G	G
25	0.844	-19.8	40.51	5.59	13.22	0.37	0.08	0.21	0.38	0.48	summer	G	G	G	G
26	0.855	-17.6	50.88	7.93	14.89	0.47	0.11	0.26	0.47	0.65	summer	G	G	G	G
27	1.103	-18.3	40.83	2.80	13.79	0.45	0.12	0.28	0.46	0.68	summer	G	G	G	G
27	0.996	-15.5	41.17	6.02	13.86	0.49	0.09	0.33	0.48	0.64	spring	G	G	G	G
27	0.851	-16.6	44.36	6.25	14.00	0.49	0.11	0.28	0.49	0.75	summer	G	G	G	G

Individual	Wt (mg)	$\delta^{13}\text{C}$	%C	$\delta^{15}\text{N}$	%N	Mean	St Dev	2.5%	50%	97.5%	Season	5.6 km ²	1.7 km ²	12.6 km ²	25.2 km ²
27	1.219	-19.0	43.65	7.59	14.08	0.41	0.12	0.20	0.41	0.63	fall	G	G	G	G
28	0.817	-14.9	41.72	4.22	14.27	0.54	0.11	0.36	0.55	0.75	spring	G	G	G	G
28	0.722	-16.5	44.02	6.33	13.50	0.50	0.10	0.32	0.49	0.69	fall	G	G	G	G
29	0.875	-17.7	43.56	4.34	14.50	0.47	0.11	0.29	0.46	0.67	summer	G	G	G	G
29	0.082	-20.7	48.20	6.39	4.58	0.37	0.11	0.19	0.35	0.58	spring	G	G	G	G
29	0.86	-16.9	43.75	6.21	14.02	0.48	0.10	0.30	0.50	0.64	fall	G	G	G	G
30	0.164	-18.7	34.25	6.21	13.60	0.41	0.11	0.25	0.40	0.61	summer	S	S	G	G
30	1.111	-18.2	42.87	4.68	13.78	0.44	0.10	0.24	0.44	0.62	spring	S	S	G	G
30	1.016	-19.4	42.99	2.14	14.18	0.40	0.10	0.22	0.41	0.62	spring	S	S	G	G
30	1.076	-22.2	42.77	5.62	13.65	0.31	0.11	0.13	0.29	0.48	spring	G	G	G	G
30	0.837	-19.5	43.62	3.02	14.94	0.35	0.10	0.14	0.37	0.49	spring	S	S	G	G
30	0.816	-20.3	43.71	5.33	14.31	0.38	0.11	0.15	0.41	0.50	fall	S	S	G	G
31	0.969	-22.9	42.88	2.25	12.49	0.31	0.12	0.14	0.29	0.51	summer	G	G	G	G
31	0.867	-14.3	41.65	5.83	13.43	0.56	0.11	0.37	0.56	0.77	spring	G	G	G	G
31	0.932	-16.0	42.81	10.63	13.54	0.50	0.15	0.22	0.48	0.78	summer	G	G	G	G
33	0.918	-19.4	43.33	3.06	14.20	0.39	0.09	0.25	0.37	0.58	summer	G	G	G	G
33	1.184	-16.5	43.29	2.78	14.67	0.46	0.11	0.23	0.48	0.68	spring	G	G	G	G
33	0.809	-16.0	43.03	4.36	14.03	0.47	0.11	0.30	0.45	0.67	summer	G	G	G	G
33	1.224	-17.5	42.96	2.08	14.45	0.50	0.10	0.33	0.49	0.69	fall	G	G	G	G
34	1.103	-22.0	42.70	7.45	14.23	0.34	0.10	0.14	0.33	0.52	summer	S	S	S	S
34	1.209	-17.5	43.85	9.93	14.43	0.44	0.14	0.21	0.44	0.66	spring	S	S	S	S
34	0.707	-20.8	41.76	8.19	14.35	0.37	0.11	0.17	0.35	0.59	fall	S	S	S	S
35	1.201	-16.5	42.68	3.49	14.35	0.48	0.11	0.21	0.49	0.63	summer	S	S	S	S
35	1.052	-19.0	42.81	6.72	13.72	0.39	0.11	0.22	0.38	0.57	spring	S	S	S	S
35	0.854	-17.8	42.55	4.10	12.89	0.41	0.10	0.18	0.43	0.56	summer	S	S	S	S
35	1.015	-22.0	42.10	4.78	13.68	0.33	0.11	0.14	0.32	0.53	fall	S	S	S	S
36	0.87	-19.4	43.94	5.10	14.28	0.40	0.10	0.25	0.38	0.57	summer	S	S	S	S
36	1.181	-16.1	43.18	3.22	13.97	0.51	0.12	0.34	0.47	0.75	spring	S	S	S	S
36	0.395	-15.0	41.44	4.33	13.42	0.52	0.11	0.34	0.50	0.71	summer	S	S	S	S
36	1.172	-16.9	43.36	4.23	14.45	0.46	0.09	0.32	0.45	0.65	fall	S	S	S	S
37	1.123	-21.3	41.93	5.50	13.38	0.37	0.09	0.22	0.38	0.52	spring	S	S	S	S

Individual	Wt (mg)	$\delta^{13}\text{C}$	%C	$\delta^{15}\text{N}$	%N	Mean	St Dev	2.5%	50%	97.5%	Season	5.6 km ²	1.7 km ²	12.6 km ²	25.2 km ²
37	0.933	-15.8	42.62	7.23	14.27	0.50	0.09	0.39	0.49	0.70	summer	S	S	S	S
37	1.02	-15.4	42.85	6.58	13.96	0.54	0.10	0.36	0.55	0.74	fall	S	S	S	S
38	1.036	-17.4	42.45	4.53	15.18	0.47	0.10	0.28	0.47	0.66	spring	S	S	S	S
38	1.105	-18.4	44.44	4.80	14.60	0.43	0.11	0.25	0.47	0.60	spring	S	S	S	S
38	0.887	-18.5	47.67	5.82	12.72	0.41	0.09	0.23	0.42	0.56	spring	S	S	S	S
39	1.019	-20.6	37.66	4.13	12.01	0.39	0.10	0.21	0.41	0.54	summer	G	G	G	G
40	1.13	-20.4	22.94	6.68	3.55	0.38	0.11	0.15	0.38	0.56	summer	G	G	G	G
40	1.068	-17.8	42.80	5.98	14.57	0.45	0.10	0.22	0.46	0.61	spring	G	S	G	G
41	0.998	-17.9	40.80	4.01	13.55	0.44	0.09	0.27	0.45	0.61	summer	G	S	G	G
41	0.41	-15.4	39.09	8.07	14.36	0.49	0.08	0.34	0.50	0.63	spring	G	S	G	G
41	1.141	-18.1	44.31	5.84	14.19	0.44	0.08	0.33	0.45	0.58	fall	G	S	G	G
43	1.117	-18.7	43.90	2.45	14.46	0.40	0.10	0.21	0.40	0.56	summer	G	S	G	G
43	0.862	-19.8	42.69	5.01	14.36	0.39	0.09	0.22	0.40	0.53	spring	G	S	G	G
43	0.131	-13.1	37.16	9.49	12.44	0.58	0.15	0.27	0.60	0.83	summer	G	S	G	G
44	1.172	-19.2	38.26	4.12	12.81	0.37	0.09	0.19	0.36	0.50	summer	G	G	G	G
44	1.11	-19.2	43.62	5.21	13.85	0.37	0.10	0.18	0.40	0.53	spring	G	G	G	G
44	1.144	-16.2	43.72	5.76	14.14	0.51	0.10	0.31	0.52	0.69	fall	S	S	G	G
45	0.984	-17.6	42.63	5.82	14.54	0.45	0.10	0.29	0.44	0.62	summer	G	G	G	G
45	0.869	-16.4	43.81	4.54	13.98	0.47	0.10	0.30	0.48	0.66	spring	G	G	G	G
45	0.822	-21.5	44.38	7.03	14.22	0.37	0.11	0.14	0.39	0.53	summer	G	G	G	G
46	1.051	-19.7	41.50	4.78	13.89	0.40	0.10	0.22	0.42	0.53	spring	G	G	G	G
48	1.168	-11.7	44.37	7.71	14.41	0.61	0.13	0.41	0.59	0.83	fall	G	G	G	G
49	0.997	-21.2	44.16	4.26	14.11	0.37	0.08	0.24	0.36	0.49	spring	G	G	G	G
50	0.835	-21.9	43.79	4.87	14.25	0.35	0.12	0.15	0.36	0.54	summer	G	G	G	G
52	0.831	-12.5	42.79	6.90	14.48	0.61	0.14	0.41	0.62	0.87	spring	G	G	G	G
52	0.994	-16.2	43.92	6.14	14.81	0.46	0.11	0.31	0.45	0.67	summer	G	G	G	G
55	0.958	-21.4	41.67	4.74	13.85	0.34	0.09	0.16	0.34	0.50	spring	G	G	G	G
55	0.939	-17.0	42.87	6.13	14.60	0.43	0.11	0.26	0.42	0.62	spring	G	G	G	G
55	1.168	-16.2	43.11	7.04	14.82	0.51	0.12	0.37	0.47	0.76	spring	G	G	G	G
55	1.136	-22.4	43.76	4.77	14.82	0.32	0.09	0.15	0.34	0.47	spring	G	G	G	G
55	1.079	-16.1	43.75	5.94	14.54	0.51	0.10	0.33	0.50	0.72	spring	G	G	G	G

Individual	Wt (mg)	$\delta^{13}\text{C}$	%C	$\delta^{15}\text{N}$	%N	Mean	St Dev	2.5%	50%	97.5%	Season	5.6 km ²	1.7 km ²	12.6 km ²	25.2 km ²
55	0.918	-17.9	43.32	3.69	14.59	0.45	0.11	0.25	0.45	0.65	spring	G	G	G	G
55	1.244	-20.5	43.98	4.38	14.28	0.40	0.10	0.21	0.39	0.57	summer	G	G	G	G
55	1.047	-17.6	41.64	4.78	13.85	0.46	0.10	0.30	0.46	0.63	fall	G	G	G	G
57	1.147	-15.0	43.04	6.13	13.28	0.52	0.10	0.37	0.51	0.73	spring	G	G	G	G
57	1.026	-18.2	43.98	6.66	14.32	0.44	0.10	0.28	0.45	0.63	summer	G	G	G	G
57	1.023	-21.7	43.65	4.61	13.96	0.34	0.12	0.13	0.36	0.50	fall	G	G	G	G
62	1.192	-23.1	43.16	5.70	13.72	0.32	0.11	0.10	0.36	0.46	spring	G	G	G	G
62	1.033	-17.4	43.08	5.22	14.18	0.46	0.12	0.22	0.45	0.66	fall	G	G	G	G
65	1.09	-16.8	43.31	6.50	12.63	0.48	0.10	0.27	0.48	0.66	spring	G	G	G	G
65	0.835	-14.8	45.12	5.61	14.32	0.51	0.11	0.36	0.48	0.71	summer	G	G	G	G
70	1.225	-18.8	43.77	4.93	13.28	0.46	0.10	0.32	0.42	0.64	spring	S	S	S	S
70	0.96	-17.8	43.66	3.68	14.05	0.43	0.10	0.28	0.42	0.60	fall	S	S	S	S
72	1.155	-18.2	42.48	4.46	14.47	0.40	0.12	0.19	0.39	0.67	summer	G	S	G	G
72	1.024	-16.3	45.19	5.19	14.49	0.47	0.11	0.28	0.48	0.64	fall	G	S	G	G
73	1.144	-16.2	43.97	3.92	14.99	0.50	0.09	0.37	0.50	0.66	summer	G	S	G	G
1*	0.967	-15.03	43.67	5.74	14.17	0.49	0.13	0.30	0.46	0.79	spring	G	G	G	G
1*	0.997	-15.28	44.02	5.69	14.06	0.50	0.10	0.33	0.50	0.68	spring	G	G	G	G
16*	0.899	-16.55	43.34	4.98	14.36	0.48	0.12	0.30	0.46	0.68	spring	G	G	G	G
16*	1.003	-15.91	41.37	4.96	14.51	0.49	0.12	0.27	0.48	0.74	spring	G	G	G	G
34*	0.876	-16.09	41.91	4.92	13.83	0.50	0.10	0.31	0.52	0.66	summer	S	S	S	S
34*	0.923	-16.17	41.17	5.01	14.10	0.46	0.11	0.23	0.46	0.60	summer	S	S	S	S
37*	0.935	-21.13	42.93	3.85	14.42	0.37	0.12	0.14	0.37	0.56	summer	S	S	S	S
37*	1.041	-21.39	55.01	3.80	18.87	0.37	0.10	0.20	0.38	0.54	summer	S	S	S	S
38*	0.933	-20.47	41.89	5.28	13.34	0.35	0.09	0.19	0.36	0.50	summer	S	S	S	S
38*	0.898	-20.46	42.50	5.32	13.58	0.38	0.11	0.19	0.37	0.56	summer	S	S	S	S
46*	0.894	-15.18	44.15	7.79	14.64	0.53	0.13	0.31	0.51	0.75	summer	G	G	G	G
46*	0.812	-15.40	42.52	7.59	14.09	0.52	0.12	0.32	0.54	0.69	summer	G	G	G	G
50*	0.858	-20.89	43.83	3.87	13.42	0.36	0.11	0.13	0.38	0.55	spring	G	G	G	G
50*	1.154	-21.56	43.21	3.57	13.76	0.35	0.10	0.18	0.37	0.53	spring	G	G	G	G
73*	1.193	-21.18	43.98	4.31	13.91	0.37	0.10	0.19	0.37	0.53	fall	G	S	G	G
73*	0.97	-20.30	44.03	4.51	14.20	0.39	0.10	0.20	0.39	0.56	fall	G	S	G	G