

Table S1. Database of isotopes signature used in the study.

Sample type	Species	d15N	d13C	Organ	Place	Reference	Statistical differences into treatments
B. resinosa	B. resinosa	-1.31068538	-29.1782963	Leaf	Usaquen, Bogotá D.C	Own data	Not
B. resinosa	B. resinosa	-0.85664121	-27.7063262	Leaf	Usaquen, Bogotá D.C	Own data	Not
B. resinosa	B. resinosa	-1.26437489	-27.2156695	Leaf	Usaquen, Bogotá D.C	Own data	Not
B. resinosa	B. resinosa	-1.44760336	-28.6673645	Leaf	Usaquen, Bogotá D.C	Own data	Not
B. resinosa	B. resinosa	-0.82140496	-28.8985003	Leaf	Usaquen, Bogotá D.C	Own data	Not
B. resinosa	B. resinosa	-3.07	-27.79	Leaf	Umbral Cultural Horizontes, Bogotá D.C	Own data	Not
B. resinosa	B. resinosa	-1.90	-29.05	Leaf	Umbral Cultural Horizontes, Bogotá D.C	Own data	Not
B. resinosa	B. resinosa	-1.36	-28.49	Leaf	Umbral Cultural Horizontes, Bogotá D.C	Own data	Not
B. resinosa	B. resinosa	-1.56237284	-27.2187107	Flower	Usaquen, Bogotá D.C	Own data	Not
B. resinosa	B. resinosa	-1.37150606	-26.2941868	Flower	Usaquen, Bogotá D.C	Own data	Not
B. resinosa	B. resinosa	-0.75697297	-27.0443451	Flower	Usaquen, Bogotá D.C	Own data	Not
B. resinosa	B. resinosa	-1.43048861	-26.6844626	Flower	Usaquen, Bogotá D.C	Own data	Not
B. resinosa	B. resinosa	-2.45	-27.86	Flower	Umbral Cultural Horizontes, Bogotá D.C	Own data	Not
B. resinosa	B. resinosa	-1.12	-26.45	Flower	Umbral Cultural Horizontes, Bogotá D.C	Own data	Not
B. resinosa	B. resinosa	-0.57	-28.17	Flower	Umbral Cultural Horizontes, Bogotá D.C	Own data	Not
B. resinosa root	B. resinosa root	1.46	-27.02	Root	Usaquen, Bogotá D.C	Own data	Not
B. resinosa root	B. resinosa root	-0.18	-26.61	Root	Usaquen, Bogotá D.C	Own data	Not
B. resinosa root	B. resinosa root	1.94	-26.22	Root	Usaquen, Bogotá D.C	Own data	Not
Carnivorous	D. rotundifolia	0.1		Leaf	Bog of Cypress Provincial Park	Q. Lin et al., 2021	
Carnivorous	D. rotundifolia	2.2		Leaf	Bog of Cypress Provincial Park	Q. Lin et al., 2021	
Carnivorous	D. rotundifolia	0.8		Leaf	Bog of Cypress Provincial Park	Q. Lin et al., 2021	
Carnivorous	D. rotundifolia	3.7		Leaf	Bog of Cypress Provincial Park	Q. Lin et al., 2021	
ErM plants	Lyonia octandra	-5.09		Leaf	Western Blue Mountains of Jamaica	Brearley, FQ, 2013	Not
ErM plants	Lyonia octandra	-3.00		Leaf	Western Blue Mountains of Jamaica	Brearley, FQ, 2013	Not
ErM plants	Lyonia octandra	-4.87		Leaf	Western Blue Mountains of Jamaica	Brearley, FQ, 2013	Not
ErM plants	Lyonia octandra	-1.87		Leaf	Western Blue Mountains of Jamaica	Brearley, FQ, 2013	Not
ErM plants	Lyonia octandra	-4.60		Leaf	Western Blue Mountains of Jamaica	Brearley, FQ, 2013	Not
ErM plants	Lyonia octandra	-3.54		Leaf	Western Blue Mountains of Jamaica	Brearley, FQ, 2013	Not
ErM plants	Lyonia octandra	-3.05		Leaf	Western Blue Mountains of Jamaica	Brearley, FQ, 2013	Not
ErM plants	Lyonia octandra	-3.36		Leaf	Western Blue Mountains of Jamaica	Brearley, FQ, 2013	Not
ErM plants	Lyonia octandra	-3.24		Leaf	Western Blue Mountains of Jamaica	Brearley, FQ, 2013	Not
ErM plants	Gaultheria glomerata	-2.44126545	-25.7254518	Flower	Usaquen, Bogotá D.C	Own data	
ErM plants	Gaylussacia buxifolia	-2.4885269	-25.6230627	Leaf	Usaquen, Bogotá D.C	Own data	
ErM plants root	Gaylussacia buxifolia	-2.99	-27.12	Root	Usaquen, Bogotá D.C	Own data	
ErM plants root	Gaultheria glomerata	-2.83	-26.33	Root	Usaquen, Bogotá D.C	Own data	
Carnivorous	P. alpina	4.77	-28.94	Leaf	(Germany) Marshland	Kähk et al, 2019	Yes
Carnivorous	P. alpina	3.02	-28.73	Leaf	(Germany) Marshland	Kähk et al, 2019	Yes
Carnivorous	P. alpina	1.20	-28.45	Leaf	(Germany) Marshland	Kähk et al, 2019	Yes
Carnivorous	P. alpina	1.14	-28.75	Leaf	(Germany) Marshland	Kähk et al, 2019	Yes
Carnivorous	P. alpina	1.58	-28.97	Leaf	(Germany) Marshland	Kähk et al, 2019	Yes
Carnivorous	P. alpina	-3.464	-32.763	Leaf	(Germany) Creek	Kähk et al, 2019	Yes
Carnivorous	P. alpina	-2.941	-33.349	Leaf	(Germany) Creek	Kähk et al, 2019	Yes
Carnivorous	P. alpina	-2.705	-35.363	Leaf	(Germany) Creek	Kähk et al, 2019	Yes
Carnivorous	P. alpina	-3.625	-33.056	Leaf	(Germany) Creek	Kähk et al, 2019	Yes
Carnivorous	P. alpina	-4.12	-33.634	Leaf	(Germany) Creek	Kähk et al, 2019	Yes
Carnivorous	P. vulgaris	-3.13	-28.10	Leaf	(Germany) Shaded	Kähk et al, 2019	Yes
Carnivorous	P. vulgaris	-2.86	-28.72	Leaf	(Germany) Shaded	Kähk et al, 2019	Yes
Carnivorous	P. vulgaris	-4.21	-28.68	Leaf	(Germany) Shaded	Kähk et al, 2019	Yes
Carnivorous	P. vulgaris	1.27	-28.39	Leaf	(Germany) Shaded	Kähk et al, 2019	Yes
Carnivorous	P. vulgaris	5.38	-28.68	Leaf	(Germany) Shaded	Kähk et al, 2019	Yes
Carnivorous	P. vulgaris	-0.426	-33.823	Leaf	(Germany) Precipice	Kähk et al, 2019	Yes
Carnivorous	P. vulgaris	-0.381	-32.814	Leaf	(Germany) Precipice	Kähk et al, 2019	Yes
Carnivorous	P. vulgaris	-1.436	-32.88	Leaf	(Germany) Precipice	Kähk et al, 2019	Yes
Carnivorous	P. vulgaris	-0.548	-32.841	Leaf	(Germany) Precipice	Kähk et al, 2019	Yes
Carnivorous	P. vulgaris	-0.434	-32.221	Leaf	(Germany) Precipice	Kähk et al, 2019	Yes
Carnivorous	T. occidentalis	-3.6		Leaf	Bog of Cypress Provincial Park	Q. Lin et al., 2021	Not
Carnivorous	T. occidentalis	-3		Leaf	Bog of Cypress Provincial Park	Q. Lin et al., 2021	Not
Carnivorous	T. occidentalis	-1.9		Leaf	Bog of Cypress Provincial Park	Q. Lin et al., 2021	Not
Carnivorous	T. occidentalis	-1.8		Leaf	Bog of Cypress Provincial Park	Q. Lin et al., 2021	Not
Carnivorous	T. occidentalis	-1.1		Leaf	Bog of Cypress Provincial Park	Q. Lin et al., 2021	Not
Carnivorous	T. occidentalis	-4.7		Flower	Bog of Cypress Provincial Park	Q. Lin et al., 2021	Not
Carnivorous	T. occidentalis	-0.5		Flower	Bog of Cypress Provincial Park	Q. Lin et al., 2021	Not
Carnivorous	T. occidentalis	-0.8		Flower	Bog of Cypress Provincial Park	Q. Lin et al., 2021	Not
Carnivorous	T. occidentalis	-1.9		Flower	Bog of Cypress Provincial Park	Q. Lin et al., 2021	Not
Carnivorous	T. occidentalis	-0.4		Flower	Bog of Cypress Provincial Park	Q. Lin et al., 2021	Not
Fungi	Fungi	0.33	-26.98	Fungi	Umbral Cultural Horizontes, Bogotá D.C	Own data	
Fungi	Fungi	1.54	-27.22	Fungi	Umbral Cultural Horizontes, Bogotá D.C	Own data	
Fungi	Fungi	-0.66	-27.14	Fungi	Umbral Cultural Horizontes, Bogotá D.C	Own data	
Fungi	Fungi	-0.65	-27.71	Fungi	Umbral Cultural Horizontes, Bogotá D.C	Own data	
Arthropods	Arthropods	9.14	-24.54	Arthropods	Umbral Cultural Horizontes, Bogotá D.C	Own data	
Arthropods	Arthropods	3.01	-27.83	Arthropods	Umbral Cultural Horizontes, Bogotá D.C	Own data	
Arthropods	Arthropods	2.54	-24.92	Arthropods	Usaquen, Bogotá D.C	Own data	
Arthropods	Arthropods	2.18	-24.39	Arthropods	Usaquen, Bogotá D.C	Own data	
Arthropods	Arthropods	0.79	-24.97	Arthropods	Usaquen, Bogotá D.C	Own data	

Table S2. Database of soils data used in the study obtained from analysis made in the Soil National Laboratory.

ID	Field ID	Location	Depth (cm)	Granulometry			Textural class	pH ratio	pH	Interchange acidity cmol(+)Kg	S.A.I. %	Organic C %	Total C %	Total N %	CN ratio	Available P mg/Kg	CIC	CICE	Change complex cmol(+)Kg					S.B. %	Ca/Mg	Interpretation	Cationic ratios and interpretation					
				Sand %	Silt %	Clay %													Ca	Mg	K	Na	B.T.				Mg/K	Interpretation	Ca/K	Interpretation	(Ca+Mg)/K	Interpretation
MQ1-52155	S1P1	Horizontes	0-10	66.0	27.7	6.3	FA*	1:1	3.380	7.34	90.73	8.1250	11.05	0.95	11.59	4.41	43.916	8.091	0.300	0.150	0.240	0.060	0.750	1.71	2.000	Narrow	0.625	Narrow with Mg deficiency	1.250	Narrow	1.875	Narrow
MQ1-52156	S2P1	Horizontes	0-10	79.1	16.7	4.2	AF*	1:1	3.460	7.24	98.50	8.0539	10.95	0.94	11.59	5.83	24.200	7.348	0.020	0.030	0.050	0.010	0.110	0.45	0.667	Inverted	0.600	Narrow with Mg deficiency	0.400	Narrow	1.000	Narrow
MQ1-52157	CS1P3	Usaquén	0-10	69.6	19.5	10.9	FA*	1:1	4.730	6.52	97.75	11.8855	16.16	1.39	11.59	4.14	65.538	6.674	0.020	0.040	0.090	N.D	0.150	0.23	0.500	Inverted	0.444	Narrow with Mg deficiency	0.222	Narrow	0.667	Narrow
MQ1-52158	CS2P1	Usaquén	0-10	58.3	39.6	2.1	FA	1:1	4.790	2.78	67.02	2.2558	3.07	0.26	11.59	2.15	21.821	4.155	1.110	0.040	0.210	0.010	1.370	6.28	27.750	Wide with Mg deficiency	0.190	Narrow with Mg deficiency	5.286	Narrow	5.476	Narrow
MQ1-52159	CS3P1	Usaquén	0-10	50.4	43.1	6.5	FA*	1:1	4.260	8.70	89.60	12.0633	16.41	1.42	11.59	5.62	65.935	9.711	0.680	0.110	0.180	0.040	1.010	1.53	6.182	Wide	0.611	Narrow with Mg deficiency	3.778	Narrow	4.389	Narrow

B.T. = Total bases
S.A.I.% = Acidity saturation percentage
CIC = Cationic interchange capacity
FA = Sandy-loam
* The data obtained in the analysis is outside the working range established during the validation of the method.