

FA ($\delta^{13}\text{C}$ ‰)	Year	Season	ALPINE	DINARIC	PANNONIAN	MEDITERRANEAN
			Mean \pm SD			
Bulk	2014	summer	-28.5 \pm 1.3	-28.1 \pm 1.4	-27.0 \pm 1.7	-31.7 \pm 3.9
	2014	winter	-25.5 \pm 2.0	-25.0 \pm 2.7	-23.8 \pm 0.9	-30.6 \pm 1.8
	2014	average	-27.0 \pm 2.3	-26.5 \pm 2.7	-25.5 \pm 2.1	-31.2 \pm 3.4
	2013	summer	-22.9 \pm 1.0	-23.3 \pm 1.7	-20.7 \pm 1.0	-24.9 \pm 1.9
	2013	winter	-21.2 \pm 1.1	-21 \pm 1.5	-19.6 \pm 0.6	-22.9 \pm 2.2
	2013	average	-21.9 \pm 1.4	-21.8 \pm 1.9	-20.1 \pm 1.0	-23.9 \pm 2.3
	2014	summer	-23.7 \pm 1.3	-22.4 \pm 1.7	-21.2 \pm 1.1	-25.2 \pm 1.5
	2014	winter	-20.8 \pm 1.5	-20.2 \pm 0.9	-19.2 \pm 0.9	-24.9 \pm 1.2
	2014	average	-22.3 \pm 2.0	-21.3 \pm 1.7	-20.2 \pm 1.4	-25.1 \pm 1.5

Table S2: Geographical information of the sampling location

Sample location	Geographical origin	Latitude	Longitude	Distance near the coast (-m)	Altitude (-m.a.s.l.)
Brkini	Mediterranean	45°34'17.8"N	14°02'35.8"E	20,000	588
Kozina	Mediterranean	45°36'30.0"N	13°55'43.9"E	11,000	493
Sežana	Mediterranean	45°42'09.1"N	13°51'06.5"E	10,000	360
Maribor	Pannonian	46°32'50.5"N	15°38'42.8"E	176,000	162
Korena	Pannonian	46°31'27.1"N	15°46'20.1"E	188,000	350
Ptuj	Pannonian	46°25'18.3"N	15°52'05.4"E	186,000	232
Rogaška	Pannonian	46°14'09.8"N	15°38'08.9"E	159,000	224
Konjice	Pannonian	46°20'16.1"N	15°25'23.6"E	152,000	322
Šentilj	Pannonian	46°40'57.5"N	15°43'29.6"E	190,000	292
Zahodno Goričko	Pannonian	46°49'27.6"N	16°05'09.1"E	222,000	270
Ljutomer	Pannonian	46°32'09.9"N	16°11'54.8"E	214,000	175
Murska Sobota	Pannonian	46°39'29.4"N	16°09'47.5"E	218,000	189
Radenci	Pannonian	46°38'35.2"N	16°02'20.1"E	209,000	202
Ormož	Pannonian	46°25'10.7"N	16°08'46.2"E	203,000	218
Vzhodno Goričko	Pannonian	46°49'57.4"N	16°17'04.8"E	235,000	242
Gornja Radgona	Pannonian	46°40'38.7"N	15°59'23.5"E	207,000	206
Ponikva	Pannonian	46°15'14.1"N	15°26'32.4"E	147,000	183
Slovenj Gradec	Pannonian	46°30'28.0"N	15°04'37.2"E	138,000	262
Šmarje	Pannonian	46°14'08.6"N	15°31'30.9"E	153,000	592
Bistrica	Pannonian	46°23'20.5"N	15°34'07.4"E	127,000	201
Bohinj	Alpine	46°17'36.4"N	13°54'40.5"E	64,000	308
Kobarid	Alpine	46°14'52.7"N	13°34'43.9"E	53,000	235
Tolmin	Alpine	46°11'08.9"N	13°43'52.5"E	48,000	600
Kamnik	Alpine	46°13'01.5"N	14°37'04.8"E	91,000	340
Ribnica na Pohorju	Alpine	46°32'09.1"N	15°16'05.5"E	153,000	276
Mozirje	Alpine	46°20'21.3"N	14°57'40.5"E	121,000	449
Savinjska	Alpine	46°15'57.3"N	15°07'13.4"E	127,000	338
Vitanje	Alpine	46°22'48.7"N	15°17'41.8"E	144,000	322
Prevalje	Alpine	46°32'56.5"N	14°55'19.1"E	134,000	413
Vrh	Alpine	46°34'30.5"N	15°02'05.0"E	141,000	346
Dravograd	Alpine	46°35'23.5"N	15°01'21.8"E	141,000	390
Vuzenica	Alpine	46°35'53.8"N	15°09'54.4"E	150,000	365
Polzela	Alpine	46°16'50.4"N	15°04'29.9"E	124,000	292
Zavodnje	Alpine	46°25'29.8"N	15°01'02.9"E	129,000	642
Škale	Alpine	46°23'28.1"N	15°05'29.9"E	132,000	234
Planina	Alpine	46°06'17.2"N	15°24'17.4"E	140,000	275
Braslovče	Alpine	46°17'18.8"N	15°02'20.8"E	123,000	456
Vinica	Dinaric	45°27'41.5"N	15°15'12.6"E	60,000	561
Velike Lašče	Dinaric	45°50'05.3"N	14°38'18.6"E	62,000	307
Kamenje	Dinaric	45°51'08.3"N	15°08'58.5"E	82,000	184
Logatec	Dinaric	45°55'01.6"N	14°13'32.7"E	48,000	526
Žužemberk	Dinaric	45°49'53.4"N	14°55'41.3"E	70,000	387
Podpeč	Dinaric	45°58'22.9"N	14°24'56.5"E	62,000	476
Postojna	Dinaric	45°46'29.4"N	14°12'55.7"E	39,000	209
Brežice	Dinaric	45°55'17.1"N	15°35'50.1"E	149,000	292
Sevnica	Dinaric	46°00'42.5"N	15°18'32.5"E	126,000	556