

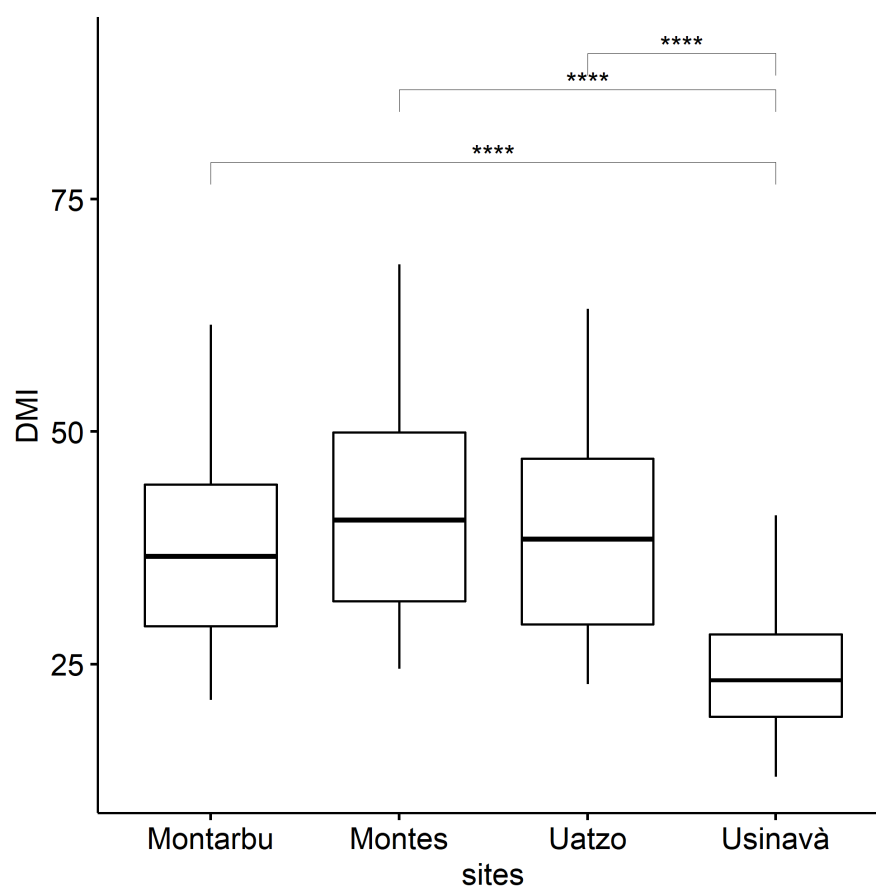
# Assessing Resilience Components in Maritime Pine Provenances Grown in Common Gardens

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**Figure S1.** De Martonne index in the period 1988–2018 in each site. The lines indicate which one sites differ among each other and the asterisk the significance level: \*\*\*  $p < 0.001$ ; \*\*  $p < 0.01$ ; \*  $p < 0.05$ .

**Table S1.** Kruskal wallis results for the BAI among the sites. among provenances and among provenances in the different sites.

Source	Chi-quared	Df	p-value
Sites	36.162	3	6.922e-08***
Provenances	7.121	4	0.1296
Sites × Provenances	128.24	19	< 2.2e-16***

**Table S2.** Conover test results for the BAI in the different sites.

source	mean rank diff	pval
Montes-Montarbu	114.7097	0***
Uatzo-Montarbu	22.471	0.5133
Usinavà -Montarbu	34.471	0.2462
Uatzo-Montes	-92.2387	0***
Usinavà -Montes	-80.2387	2e-04**
Usinavà -Uatzo	12	0.5445

**Table S3.** Conover test results for the BAI of provenances in different sites (P × S).

source	mean rank diff	pval
Corsica Montes-Corsica Montarbu	208.2258	1e-04**
Corsica Uatzo-Corsica Montarbu	184.129	0.0015*
Corsica Usinavà -Corsica Montarbu	88.3548	1
Limbara Montarbu-Corsica Montarbu	-3.9677	1
Limbara Montes-Corsica Montarbu	160.6129	0.0159*
Limbara Uatzo-Corsica Montarbu	68.3871	1
Limbara Usinavà -Corsica Montarbu	200.6774	2e-04**
Portugual Montarbu-Corsica Montarbu	48.6452	1
Portugual Montes-Corsica Montarbu	127.3548	0.2615
Portugual Uatzo-Corsica Montarbu	174.9032	0.0039*
Portugual Usinavà -Corsica Montarbu	71.3226	1
Telti Montarbu-Corsica Montarbu	29.9677	1
Telti Montes-Corsica Montarbu	217.0323	0***
Telti Uatzo-Corsica Montarbu	-1.129	1
Telti Usinavà -Corsica Montarbu	62.6129	1
Tuscany Montarbu-Corsica Montarbu	189.5806	8e-04**
Tuscany Montes-Corsica Montarbu	124.5484	0.317
Tuscany Uatzo-Corsica Montarbu	-49.7097	1
Tuscany Usinavà -Corsica Montarbu	13.6129	1
Corsica Uatzo-Corsica Montes	-24.0968	1
Corsica Usinavà -Corsica Montes	-119.871	0.4416
Limbara Montarbu-Corsica Montes	-212.1935	1e-04**
Limbara Montes-Corsica Montes	-47.6129	1
Limbara Uatzo-Corsica Montes	-139.8387	0.1004
Limbara Usinavà -Corsica Montes	-7.5484	1
Portugual Montarbu-Corsica Montes	-159.5806	0.0175*
Portugual Montes-Corsica Montes	-80.871	1
Portugual Uatzo-Corsica Montes	-33.3226	1
Portugual Usinavà -Corsica Montes	-136.9032	0.1266
Telti Montarbu-Corsica Montes	-178.2581	0.0028*
Telti Montes-Corsica Montes	8.8065	1

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Telti Uatzo-Corsica Montes	-209.3548	1e-04**
Telti Usinavà -Corsica Montes	-145.6129	0.0615
Tuscany Montarbu-Corsica Montes	-18.6452	1
Tuscany Montes-Corsica Montes	-83.6774	1
Tuscany Uatzo-Corsica Montes	-257.9355	0***
Tuscany Usinavà -Corsica Montes	-194.6129	5e-04**
Corsica Usinavà -Corsica Uatzo	-95.7742	1
Limbara Montarbu-Corsica Uatzo	-188.0968	0.001**
Limbara Montes-Corsica Uatzo	-23.5161	1
Limbara Uatzo-Corsica Uatzo	-115.7419	0.5882
Limbara Usinavà -Corsica Uatzo	16.5484	1
Portugual Montarbu-Corsica Uatzo	-135.4839	0.1419
Portugual Montes-Corsica Uatzo	-56.7742	1
Portugual Uatzo-Corsica Uatzo	-9.2258	1
Portugual Usinavà -Corsica Uatzo	-112.8065	0.718
Telti Montarbu-Corsica Uatzo	-154.1613	0.0289*
Telti Montes-Corsica Uatzo	32.9032	1
Telti Uatzo-Corsica Uatzo	-185.2581	0.0013*
Telti Usinavà -Corsica Uatzo	-121.5161	0.3987
Tuscany Montarbu-Corsica Uatzo	5.4516	1
Tuscany Montes-Corsica Uatzo	-59.5806	1
Tuscany Uatzo-Corsica Uatzo	-233.8387	0***
Tuscany Usinavà -Corsica Uatzo	-170.5161	0.0061*
Limbara Montarbu-Corsica Usinavà	-92.3226	1
Limbara Montes-Corsica Usinavà	72.2581	1
Limbara Uatzo-Corsica Usinavà	-19.9677	1
Limbara Usinavà -Corsica Usinavà	112.3226	0.7372
Portugual Montarbu-Corsica Usinavà	-39.7097	1
Portugual Montes-Corsica Usinavà	39	1
Portugual Uatzo-Corsica Usinavà	86.5484	1
Portugual Usinavà -Corsica Usinavà	-17.0323	1
Telti Montarbu-Corsica Usinavà	-58.3871	1
Telti Montes-Corsica Usinavà	128.6774	0.2405
Telti Uatzo-Corsica Usinavà	-89.4839	1
Telti Usinavà -Corsica Usinavà	-25.7419	1
Tuscany Montarbu-Corsica Usinavà	101.2258	1
Tuscany Montes-Corsica Usinavà	36.1935	1
Tuscany Uatzo-Corsica Usinavà	-138.0645	0.1163
Tuscany Usinavà -Corsica Usinavà	-74.7419	1
Limbara Montes-Limbara Montarbu	164.5806	0.011*
Limbara Uatzo-Limbara Montarbu	72.3548	1
Limbara Usinavà -Limbara Montarbu	204.6452	2e-04**

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Portugual Montarbu-Limbara Montarbu	52.6129	1
Portugual Montes-Limbara Montarbu	131.3226	0.1981
Portugual Uatzo-Limbara Montarbu	178.871	0.0027*
Portugual Usinavà -Limbara Montarbu	75.2903	1
Telti Montarbu-Limbara Montarbu	33.9355	1
Telti Montes-Limbara Montarbu	221	0***
Telti Uatzo-Limbara Montarbu	2.8387	1
Telti Usinavà -Limbara Montarbu	66.5806	1
Tuscany Montarbu-Limbara Montarbu	193.5484	5e-04**
Tuscany Montes-Limbara Montarbu	128.5161	0.2418
Tuscany Uatzo-Limbara Montarbu	-45.7419	1
Tuscany Usinavà -Limbara Montarbu	17.5806	1
Limbara Uatzo-Limbara Montes	-92.2258	1
Limbara Usinavà -Limbara Montes	40.0645	1
Portugual Montarbu-Limbara Montes	-111.9677	0.7372
Portugual Montes-Limbara Montes	-33.2581	1
Portugual Uatzo-Limbara Montes	14.2903	1
Portugual Usinavà -Limbara Montes	-89.2903	1
Telti Montarbu-Limbara Montes	-130.6452	0.2079
Telti Montes-Limbara Montes	56.4194	1
Telti Uatzo-Limbara Montes	-161.7419	0.0145*
Telti Usinavà -Limbara Montes	-98	1
Tuscany Montarbu-Limbara Montes	28.9677	1
Tuscany Montes-Limbara Montes	-36.0645	1
Tuscany Uatzo-Limbara Montes	-210.3226	1e-04**
Tuscany Usinavà -Limbara Montes	-147	0.055
Limbara Usinavà -Limbara Uatzo	132.2903	0.1842
Portugual Montarbu-Limbara Uatzo	-19.7419	1
Portugual Montes-Limbara Uatzo	58.9677	1
Portugual Uatzo-Limbara Uatzo	106.5161	1
Portugual Usinavà -Limbara Uatzo	2.9355	1
Telti Montarbu-Limbara Uatzo	-38.4194	1
Telti Montes-Limbara Uatzo	148.6452	0.0477*
Telti Uatzo-Limbara Uatzo	-69.5161	1
Telti Usinavà -Limbara Uatzo	-5.7742	1
Tuscany Montarbu-Limbara Uatzo	121.1935	0.4055
Tuscany Montes-Limbara Uatzo	56.1613	1
Tuscany Uatzo-Limbara Uatzo	-118.0968	0.497
Tuscany Usinavà -Limbara Uatzo	-54.7742	1
Portugual Montarbu-Limbara Usinavà	-152.0323	0.0351*
Portugual Montes-Limbara Usinavà	-73.3226	1
Portugual Uatzo-Limbara Usinavà	-25.7742	1

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Portugual Usinavà -Limbara Usinavà	-129.3548	0.2293
Telti Montarbu-Limbara Usinavà	-170.7097	0.006*
Telti Montes-Limbara Usinavà	16.3548	1
Telti Uatzo-Limbara Usinavà	-201.8065	2e-04**
Telti Usinavà -Limbara Usinavà	-138.0645	0.1163
Tuscany Montarbu-Limbara Usinavà	-11.0968	1
Tuscany Montes-Limbara Usinavà	-76.129	1
Tuscany Uatzo-Limbara Usinavà	-250.3871	0***
Tuscany Usinavà -Limbara Usinavà	-187.0645	0.0011*
Portugual Montes-Portugual Montarbu	78.7097	1
Portugual Uatzo-Portugual Montarbu	126.2581	0.2811
Portugual Usinavà -Portugual Montarbu	22.6774	1
Telti Montarbu-Portugual Montarbu	-18.6774	1
Telti Montes-Portugual Montarbu	168.3871	0.0075*
Telti Uatzo-Portugual Montarbu	-49.7742	1
Telti Usinavà -Portugual Montarbu	13.9677	1
Tuscany Montarbu-Portugual Montarbu	140.9355	0.0919
Tuscany Montes-Portugual Montarbu	75.9032	1
Tuscany Uatzo-Portugual Montarbu	-98.3548	1
Tuscany Usinavà -Portugual Montarbu	-35.0323	1
Portugual Uatzo-Portugual Montes	47.5484	1
Portugual Usinavà -Portugual Montes	-56.0323	1
Telti Montarbu-Portugual Montes	-97.3871	1
Telti Montes-Portugual Montes	89.6774	1
Telti Uatzo-Portugual Montes	-128.4839	0.2418
Telti Usinavà -Portugual Montes	-64.7419	1
Tuscany Montarbu-Portugual Montes	62.2258	1
Tuscany Montes-Portugual Montes	-2.8065	1
Tuscany Uatzo-Portugual Montes	-177.0645	0.0032*
Tuscany Usinavà -Portugual Montes	-113.7419	0.6763
Portugual Usinavà -Portugual Uatzo	-103.5806	1
Telti Montarbu-Portugual Uatzo	-144.9355	0.0649
Telti Montes-Portugual Uatzo	42.129	1
Telti Uatzo-Portugual Uatzo	-176.0323	0.0035*
Telti Usinavà -Portugual Uatzo	-112.2903	0.7372
Tuscany Montarbu-Portugual Uatzo	14.6774	1
Tuscany Montes-Portugual Uatzo	-50.3548	1
Tuscany Uatzo-Portugual Uatzo	-224.6129	0***
Tuscany Usinavà -Portugual Uatzo	-161.2903	0.015*
Telti Montarbu-Portugual Usinavà	-41.3548	1
Telti Montes-Portugual Usinavà	145.7097	0.0614
Telti Uatzo-Portugual Usinavà	-72.4516	1

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Telti Usinavà -Portugual Usinavà	-8.7097	1
Tuscany Montarbu-Portugual Usinavà	118.2581	0.4952
Tuscany Montes-Portugual Usinavà	53.2258	1
Tuscany Uatzo-Portugual Usinavà	-121.0323	0.4072
Tuscany Usinavà -Portugual Usinavà	-57.7097	1
Telti Montes-Telti Montarbu	187.0645	0.0011*
Telti Uatzo-Telti Montarbu	-31.0968	1
Telti Usinavà -Telti Montarbu	32.6452	1
Tuscany Montarbu-Telti Montarbu	159.6129	0.0175*
Tuscany Montes-Telti Montarbu	94.5806	1
Tuscany Uatzo-Telti Montarbu	-79.6774	1
Tuscany Usinavà -Telti Montarbu	-16.3548	1
Telti Uatzo-Telti Montes	-218.1613	0***
Telti Usinavà -Telti Montes	-154.4194	0.0284*
Tuscany Montarbu-Telti Montes	-27.4516	1
Tuscany Montes-Telti Montes	-92.4839	1
Tuscany Uatzo-Telti Montes	-266.7419	0***
Tuscany Usinavà -Telti Montes	-203.4194	2e-04**
Telti Usinavà -Telti Uatzo	63.7419	1
Tuscany Montarbu-Telti Uatzo	190.7097	8e-04**
Tuscany Montes-Telti Uatzo	125.6774	0.2921
Tuscany Uatzo-Telti Uatzo	-48.5806	1
Tuscany Usinavà -Telti Uatzo	14.7419	1
Tuscany Montarbu-Telti Usinavà	126.9677	0.2677
Tuscany Montes-Telti Usinavà	61.9355	1
Tuscany Uatzo-Telti Usinavà	-112.3226	0.7372
Tuscany Usinavà -Telti Usinavà	-49	1
Tuscany Montes-Tuscany Montarbu	-65.0323	1
Tuscany Uatzo-Tuscany Montarbu	-239.2903	0***
Tuscany Usinavà -Tuscany Montarbu	-175.9677	0.0035*
Tuscany Uatzo-Tuscany Montes	-174.2581	0.0042*
Tuscany Usinavà -Tuscany Montes	-110.9355	0.7863
Tuscany Usinavà -Tuscany Uatzo	63.3226	1

**Table S4.** Results of Kruskal wallis for resilience components among the sites, provenances and among the provenances in sites (Sites × Provenances).

RESISTANCE			
	Chi-quared	Df	p-value
Sites	69.547	3	5.336e-15 ***
Provenances	2.0993	4	0.7175

Sites × Provenances	82.97	19	5.69e-10 ***
RESILIENCE			
Sites	14.64	3	0.002151 ***
Provenances	0.46666	4	0.9767
Sites × Provenances	43.241	19	0.001201 ***
RECOVERY			
Sites	66.195	3	2.784e-14 ***
Provenances	3.2821	4	0.5118
Sites × Provenances	82.663	19	6.436e-10 ***

**Table S5.** Conover test results for the resilience components among the sites.

RESISTANCE		
	mean rank diff	pval
Montes-Montarbu	12.9829	0.1007
Uatzo-Montarbu	-22.9906	0.0245*
Usinavà-Montarbu	-66.9406	0***
Uatzo-Montes	-35.9735	2e-04***
Usinavà-Montes	-79.9235	0***
Usinavà-Uatzo	-43.95	0***
RESILIENCE		
Montes-Montarbu	-17.0718	0.2468
Uatzo-Montarbu	7.3174	0.517
Usinavà-Montarbu	-31.5215	0.0103*
Uatzo-Montes	24.3892	0.1146
Usinavà-Montes	-14.4497	0.2863
Usinavà-Uatzo	-38.8389	0.0045**
RECOVERY		
Montes-Montarbu	-33.8184	1e-04***
Uatzo-Montarbu	29.7688	0.003**
Usinavà -Montarbu	43.9077	0***
Uatzo-Montes	63.5873	0***
Usinavà -Montes	77.7261	0***
Usinavà -Uatzo	14.1389	0.129

**Table S6.** Conover test results for provenances in different sites for resistance index.

source	mean rank diff	pval
Corsica Montes-Corsica Montarbu	45.2102	1
Corsica Uatzo-Corsica Montarbu	-8.7625	1
Corsica Usinavà -Corsica Montarbu	-66.7847	0.0608

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Limbara Montarbu-Corsica Montarbu	38.2708	1
Limbara Montes-Corsica Montarbu	24.3375	1
Limbara Uatzo-Corsica Montarbu	-14.1458	1
Limbara Usinavà -Corsica Montarbu	-32.5125	1
Portugal Montarbu-Corsica Montarbu	14.9875	1
Portugal Montes-Corsica Montarbu	33.4375	1
Portugal Uatzo-Corsica Montarbu	25.1875	1
Portugal Usinavà -Corsica Montarbu	-60.5069	0.1863
Telti Montarbu-Corsica Montarbu	17.0375	1
Telti Montes-Corsica Montarbu	5.9375	1
Telti Uatzo-Corsica Montarbu	-16.4625	1
Telti Usinavà -Corsica Montarbu	-36.2847	1
Tuscany Montarbu-Corsica Montarbu	21.2708	1
Tuscany Montes-Corsica Montarbu	47.6875	1
Tuscany Uatzo-Corsica Montarbu	-9.2292	1
Tuscany Usinavà -Corsica Montarbu	-47.1875	1
Corsica Uatzo-Corsica Montes	-53.9727	0.2019
Corsica Usinavà -Corsica Montes	-111.9949	0***
Limbara Montarbu-Corsica Montes	-6.9394	1
Limbara Montes-Corsica Montes	-20.8727	1
Limbara Uatzo-Corsica Montes	-59.3561	0.3414
Limbara Usinavà -Corsica Montes	-77.7227	0.001***
Portugal Montarbu-Corsica Montes	-30.2227	1
Portugal Montes-Corsica Montes	-11.7727	1
Portugal Uatzo-Corsica Montes	-20.0227	1
Portugal Usinavà -Corsica Montes	-105.7172	0***
Telti Montarbu-Corsica Montes	-28.1727	1
Telti Montes-Corsica Montes	-39.2727	1
Telti Uatzo-Corsica Montes	-61.6727	0.4148
Telti Usinavà -Corsica Montes	-81.4949	7e-04***
Tuscany Montarbu-Corsica Montes	-23.9394	1
Tuscany Montes-Corsica Montes	2.4773	1
Tuscany Uatzo-Corsica Montes	-54.4394	1
Tuscany Usinavà -Corsica Montes	-92.3977	1e-04***
Corsica Usinavà -Corsica Uatzo	-58.0222	0.1618
Limbara Montarbu-Corsica Uatzo	47.0333	1
Limbara Montes-Corsica Uatzo	33.1	1
Limbara Uatzo-Corsica Uatzo	-5.3833	1
Limbara Usinavà -Corsica Uatzo	-23.75	1
Portugal Montarbu-Corsica Uatzo	23.75	1
Portugal Montes-Corsica Uatzo	42.2	1
Portugal Uatzo-Corsica Uatzo	33.95	1

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Portugal Usinavà -Corsica Uatzo	-51.7444	0.4741
Telti Montarbu-Corsica Uatzo	25.8	1
Telti Montes-Corsica Uatzo	14.7	1
Telti Uatzo-Corsica Uatzo	-7.7	1
Telti Usinavà -Corsica Uatzo	-27.5222	1
Tuscany Montarbu-Corsica Uatzo	30.0333	1
Tuscany Montes-Corsica Uatzo	56.45	0.1618
Tuscany Uatzo-Corsica Uatzo	-0.4667	1
Tuscany Usinavà -Corsica Uatzo	-38.425	1
Limbara Montarbu-Corsica Usinavà	105.0556	0***
Limbara Montes-Corsica Usinavà	91.1222	1e-04***
Limbara Uatzo-Corsica Usinavà	52.6389	1
Limbara Usinavà -Corsica Usinavà	34.2722	1
Portugal Montarbu-Corsica Usinavà	81.7722	0.001***
Portugal Montes-Corsica Usinavà	100.2222	0***
Portugal Uatzo-Corsica Usinavà	91.9722	0.0015**
Portugal Usinavà -Corsica Usinavà	6.2778	1
Telti Montarbu-Corsica Usinavà	83.8222	6e-04***
Telti Montes-Corsica Usinavà	72.7222	0.0081**
Telti Uatzo-Corsica Usinavà	50.3222	1
Telti Usinavà -Corsica Usinavà	30.5	1
Tuscany Montarbu-Corsica Usinavà	88.0556	4e-04***
Tuscany Montes-Corsica Usinavà	114.4722	0***
Tuscany Uatzo-Corsica Usinavà	57.5556	1
Tuscany Usinavà -Corsica Usinavà	19.5972	1
Limbara Montes-Limbara Montarbu	-13.9333	1
Limbara Uatzo-Limbara Montarbu	-52.4167	1
Limbara Usinavà -Limbara Montarbu	-70.7833	0.0124*
Portugal Montarbu-Limbara Montarbu	-23.2833	1
Portugal Montes-Limbara Montarbu	-4.8333	1
Portugal Uatzo-Limbara Montarbu	-13.0833	1
Portugal Usinavà -Limbara Montarbu	-98.7778	0***
Telti Montarbu-Limbara Montarbu	-21.2333	1
Telti Montes-Limbara Montarbu	-32.3333	1
Telti Uatzo-Limbara Montarbu	-54.7333	1
Telti Usinavà -Limbara Montarbu	-74.5556	0.0082**
Tuscany Montarbu-Limbara Montarbu	-17	1
Tuscany Montes-Limbara Montarbu	9.4167	1
Tuscany Uatzo-Limbara Montarbu	-47.5	1
Tuscany Usinavà -Limbara Montarbu	-85.4583	0.0013**
Limbara Uatzo-Limbara Montes	-38.4833	1
Limbara Usinavà -Limbara Montes	-56.85	0.1512

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Portugal Montarbu-Limbara Montes	-9.35	1
Portugal Montes-Limbara Montes	9.1	1
Portugal Uatzo-Limbara Montes	0.85	1
Portugal Usinavà -Limbara Montes	-84.8444	5e-04***
Telti Montarbu-Limbara Montes	-7.3	1
Telti Montes-Limbara Montes	-18.4	1
Telti Uatzo-Limbara Montes	-40.8	1
Telti Usinavà -Limbara Montes	-60.6222	0.0993
Tuscany Montarbu-Limbara Montes	-3.0667	1
Tuscany Montes-Limbara Montes	23.35	1
Tuscany Uatzo-Limbara Montes	-33.5667	1
Tuscany Usinavà -Limbara Montes	-71.525	0.017*
Limbara Usinavà -Limbara Uatzo	-18.3667	1
Portugal Montarbu-Limbara Uatzo	29.1333	1
Portugal Montes-Limbara Uatzo	47.5833	1
Portugal Uatzo-Limbara Uatzo	39.3333	1
Portugal Usinavà -Limbara Uatzo	-46.3611	1
Telti Montarbu-Limbara Uatzo	31.1833	1
Telti Montes-Limbara Uatzo	20.0833	1
Telti Uatzo-Limbara Uatzo	-2.3167	1
Telti Usinavà -Limbara Uatzo	-22.1389	1
Tuscany Montarbu-Limbara Uatzo	35.4167	1
Tuscany Montes-Limbara Uatzo	61.8333	0.2757
Tuscany Uatzo-Limbara Uatzo	4.9167	1
Tuscany Usinavà -Limbara Uatzo	-33.0417	1
Portugal Montarbu-Limbara Usinavà	47.5	0.7602
Portugal Montes-Limbara Usinavà	65.95	0.0236*
Portugal Uatzo-Limbara Usinavà	57.7	0.5019
Portugal Usinavà -Limbara Usinavà	-27.9944	1
Telti Montarbu-Limbara Usinavà	49.55	0.5333
Telti Montes-Limbara Usinavà	38.45	1
Telti Uatzo-Limbara Usinavà	16.05	1
Telti Usinavà -Limbara Usinavà	-3.7722	1
Tuscany Montarbu-Limbara Usinavà	53.7833	0.3414
Tuscany Montes-Limbara Usinavà	80.2	9e-04***
Tuscany Uatzo-Limbara Usinavà	23.2833	1
Tuscany Usinavà -Limbara Usinavà	-14.675	1
Portugal Montes-Portugal Montarbu	18.45	1
Portugal Uatzo-Portugal Montarbu	10.2	1
Portugal Usinavà -Portugal Montarbu	-75.4944	0.0044**
Telti Montarbu-Portugal Montarbu	2.05	1
Telti Montes-Portugal Montarbu	-9.05	1

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Telti Uatzo-Portugal Montarbu	-31.45	1
Telti Usinavà -Portugal Montarbu	-51.2722	0.504
Tuscany Montarbu-Portugal Montarbu	6.2833	1
Tuscany Montes-Portugal Montarbu	32.7	1
Tuscany Uatzo-Portugal Montarbu	-24.2167	1
Tuscany Usinavà -Portugal Montarbu	-62.175	0.1067
Portugal Uatzo-Portugal Montes	-8.25	1
Portugal Usinavà -Portugal Montes	-93.9444	0***
Telti Montarbu-Portugal Montes	-16.4	1
Telti Montes-Portugal Montes	-27.5	1
Telti Uatzo-Portugal Montes	-49.9	1
Telti Usinavà -Portugal Montes	-69.7222	0.0156*
Tuscany Montarbu-Portugal Montes	-12.1667	1
Tuscany Montes-Portugal Montes	14.25	1
Tuscany Uatzo-Portugal Montes	-42.6667	1
Tuscany Usinavà -Portugal Montes	-80.625	0.0024**
Portugal Usinavà -Portugal Uatzo	-85.6944	0.0052**
Telti Montarbu-Portugal Uatzo	-8.15	1
Telti Montes-Portugal Uatzo	-19.25	1
Telti Uatzo-Portugal Uatzo	-41.65	1
Telti Usinavà -Portugal Uatzo	-61.4722	0.3481
Tuscany Montarbu-Portugal Uatzo	-3.9167	1
Tuscany Montes-Portugal Uatzo	22.5	1
Tuscany Uatzo-Portugal Uatzo	-34.4167	1
Tuscany Usinavà -Portugal Uatzo	-72.375	0.0826
Telti Montarbu-Portugal Usinavà	77.5444	0.0027**
Telti Montes-Portugal Usinavà	66.4444	0.031*
Telti Uatzo-Portugal Usinavà	44.0444	1
Telti Usinavà -Portugal Usinavà	24.2222	1
Tuscany Montarbu-Portugal Usinavà	81.7778	0.0016**
Tuscany Montes-Portugal Usinavà	108.1944	0***
Tuscany Uatzo-Portugal Usinavà	51.2778	1
Tuscany Usinavà -Portugal Usinavà	13.3194	1
Telti Montes-Telti Montarbu	-11.1	1
Telti Uatzo-Telti Montarbu	-33.5	1
Telti Usinavà -Telti Montarbu	-53.3222	0.3628
Tuscany Montarbu-Telti Montarbu	4.2333	1
Tuscany Montes-Telti Montarbu	30.65	1
Tuscany Uatzo-Telti Montarbu	-26.2667	1
Tuscany Usinavà -Telti Montarbu	-64.225	0.0731
Telti Uatzo-Telti Montes	-22.4	1
Telti Usinavà -Telti Montes	-42.2222	1

Tuscany Montarbu-Telti Montes	15.3333	1
Tuscany Montes-Telti Montes	41.75	1
Tuscany Uatzo-Telti Montes	-15.1667	1
Tuscany Usinavà -Telti Montes	-53.125	0.495
Telti Usinavà -Telti Uatzo	-19.8222	1
Tuscany Montarbu-Telti Uatzo	37.7333	1
Tuscany Montes-Telti Uatzo	64.15	0.3414
Tuscany Uatzo-Telti Uatzo	7.2333	1
Tuscany Usinavà -Telti Uatzo	-30.725	1
Tuscany Montarbu-Telti Usinavà	57.5556	0.227
Tuscany Montes-Telti Usinavà	83.9722	6e-04***
Tuscany Uatzo-Telti Usinavà	27.0556	1
Tuscany Usinavà -Telti Usinavà	-10.9028	1
Tuscany Montes-Tuscany Montarbu	26.4167	1
Tuscany Uatzo-Tuscany Montarbu	-30.5	1
Tuscany Usinavà -Tuscany Montarbu	-68.4583	0.0441*
Tuscany Uatzo-Tuscany Montes	-56.9167	1
Tuscany Usinavà -Tuscany Montes	-94.875	1e-04***
Tuscany Usinavà -Tuscany Uatzo	-37.9583	1

**Table S7.** Conover test results for recovery index among the provenances in different sites.

source	mean rank diff	pval
Corsica Montes-Corsica Montarbu	-24.6477	1
Corsica Uatzo-Corsica Montarbu	25.025	1
Corsica Usinavà -Corsica Montarbu	67.2917	0.0556
Limbara Montarbu-Corsica Montarbu	-4.8194	1
Limbara Montes-Corsica Montarbu	-39.525	1
Limbara Uatzo-Corsica Montarbu	16.4583	1
Limbara Usinavà -Corsica Montarbu	45.275	1
Portugal Montarbu-Corsica Montarbu	26.525	1
Portugal Montes-Corsica Montarbu	-51.925	0.6019
Portugal Uatzo-Corsica Montarbu	56.2083	0.8678
Portugal Usinavà -Corsica Montarbu	42.0694	1
Telti Montarbu-Corsica Montarbu	7.775	1
Telti Montes-Corsica Montarbu	-14.225	1
Telti Uatzo-Corsica Montarbu	10.925	1
Telti Usinavà -Corsica Montarbu	47.6806	1
Tuscany Montarbu-Corsica Montarbu	-23.2083	1
Tuscany Montes-Corsica Montarbu	-29.625	1
Tuscany Uatzo-Corsica Montarbu	70.4583	0.8678
Tuscany Usinavà -Corsica Montarbu	24.8125	1

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Corsica Uatzo-Corsica Montes	49.6727	0.4384
Corsica Usinavà -Corsica Montes	91.9394	0***
Limbara Montarbu-Corsica Montes	19.8283	1
Limbara Montes-Corsica Montes	-14.8773	1
Limbara Uatzo-Corsica Montes	41.1061	1
Limbara Usinavà -Corsica Montes	69.9227	0.0071**
Portugal Montarbu-Corsica Montes	51.1727	0.34
Portugal Montes-Corsica Montes	-27.2773	1
Portugal Uatzo-Corsica Montes	80.8561	0.0076**
Portugal Usinavà -Corsica Montes	66.7172	0.022*
Telti Montarbu-Corsica Montes	32.4227	1
Telti Montes-Corsica Montes	10.4227	1
Telti Uatzo-Corsica Montes	35.5727	1
Telti Usinavà -Corsica Montes	72.3283	0.0065**
Tuscany Montarbu-Corsica Montes	1.4394	1
Tuscany Montes-Corsica Montes	-4.9773	1
Tuscany Uatzo-Corsica Montes	95.1061	0.0275*
Tuscany Usinavà -Corsica Montes	49.4602	0.7403
Corsica Usinavà -Corsica Uatzo	42.2667	1
Limbara Montarbu-Corsica Uatzo	-29.8444	1
Limbara Montes-Corsica Uatzo	-64.55	0.0322*
Limbara Uatzo-Corsica Uatzo	-8.5667	1
Limbara Usinavà -Corsica Uatzo	20.25	1
Portugal Montarbu-Corsica Uatzo	1.5	1
Portugal Montes-Corsica Uatzo	-76.95	0.002**
Portugal Uatzo-Corsica Uatzo	31.1833	1
Portugal Usinavà -Corsica Uatzo	17.0444	1
Telti Montarbu-Corsica Uatzo	-17.25	1
Telti Montes-Corsica Uatzo	-39.25	1
Telti Uatzo-Corsica Uatzo	-14.1	1
Telti Usinavà -Corsica Uatzo	22.6556	1
Tuscany Montarbu-Corsica Uatzo	-48.2333	0.8164
Tuscany Montes-Corsica Uatzo	-54.65	0.2227
Tuscany Uatzo-Corsica Uatzo	45.4333	1
Tuscany Usinavà -Corsica Uatzo	-0.2125	1
Limbara Montarbu-Corsica Usinavà	-72.1111	0.0144*
Limbara Montes-Corsica Usinavà	-106.8167	0***
Limbara Uatzo-Corsica Usinavà	-50.8333	1
Limbara Usinavà -Corsica Usinavà	-22.0167	1
Portugal Montarbu-Corsica Usinavà	-40.7667	1
Portugal Montes-Corsica Usinavà	-119.2167	0***
Portugal Uatzo-Corsica Usinavà	-11.0833	1

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Portugal Usinavà -Corsica Usinavà	-25.2222	1
Telti Montarbu-Corsica Usinavà	-59.5167	0.1202
Telti Montes-Corsica Usinavà	-81.5167	0.0011**
Telti Uatzo-Corsica Usinavà	-56.3667	1
Telti Usinavà -Corsica Usinavà	-19.6111	1
Tuscany Montarbu-Corsica Usinavà	-90.5	2e-04***
Tuscany Montes-Corsica Usinavà	-96.9167	0***
Tuscany Uatzo-Corsica Usinavà	3.1667	1
Tuscany Usinavà -Corsica Usinavà	-42.4792	1
Limbara Montes-Limbara Montarbu	-34.7056	1
Limbara Uatzo-Limbara Montarbu	21.2778	1
Limbara Usinavà -Limbara Montarbu	50.0944	0.6186
Portugal Montarbu-Limbara Montarbu	31.3444	1
Portugal Montes-Limbara Montarbu	-47.1056	0.9612
Portugal Uatzo-Limbara Montarbu	61.0278	0.3769
Portugal Usinavà -Limbara Montarbu	46.8889	1
Telti Montarbu-Limbara Montarbu	12.5944	1
Telti Montes-Limbara Montarbu	-9.4056	1
Telti Uatzo-Limbara Montarbu	15.7444	1
Telti Usinavà -Limbara Montarbu	52.5	0.521
Tuscany Montarbu-Limbara Montarbu	-18.3889	1
Tuscany Montes-Limbara Montarbu	-24.8056	1
Tuscany Uatzo-Limbara Montarbu	75.2778	0.4633
Tuscany Usinavà -Limbara Montarbu	29.6319	1
Limbara Uatzo-Limbara Montes	55.9833	0.6445
Limbara Usinavà -Limbara Montes	84.8	3e-04***
Portugal Montarbu-Limbara Montes	66.05	0.0235*
Portugal Montes-Limbara Montes	-12.4	1
Portugal Uatzo-Limbara Montes	95.7333	5e-04***
Portugal Usinavà -Limbara Montes	81.5944	0.0011**
Telti Montarbu-Limbara Montes	47.3	0.7742
Telti Montes-Limbara Montes	25.3	1
Telti Uatzo-Limbara Montes	50.45	1
Telti Usinavà -Limbara Montes	87.2056	3e-04***
Tuscany Montarbu-Limbara Montes	16.3167	1
Tuscany Montes-Limbara Montes	9.9	1
Tuscany Uatzo-Limbara Montes	109.9833	0.0034**
Tuscany Usinavà -Limbara Montes	64.3375	0.0712
Limbara Usinavà -Limbara Uatzo	28.8167	1
Portugal Montarbu-Limbara Uatzo	10.0667	1
Portugal Montes-Limbara Uatzo	-68.3833	0.0932
Portugal Uatzo-Limbara Uatzo	39.75	1

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Portugal Usinavà -Limbara Uatzo	25.6111	1
Telti Montarbu-Limbara Uatzo	-8.6833	1
Telti Montes-Limbara Uatzo	-30.6833	1
Telti Uatzo-Limbara Uatzo	-5.5333	1
Telti Usinavà -Limbara Uatzo	31.2222	1
Tuscany Montarbu-Limbara Uatzo	-39.6667	1
Tuscany Montes-Limbara Uatzo	-46.0833	1
Tuscany Uatzo-Limbara Uatzo	54	1
Tuscany Usinavà -Limbara Uatzo	8.3542	1
Portugal Montarbu-Limbara Usinavà	-18.75	1
Portugal Montes-Limbara Usinavà	-97.2	0***
Portugal Uatzo-Limbara Usinavà	10.9333	1
Portugal Usinavà -Limbara Usinavà	-3.2056	1
Telti Montarbu-Limbara Usinavà	-37.5	1
Telti Montes-Limbara Usinavà	-59.5	0.0886
Telti Uatzo-Limbara Usinavà	-34.35	1
Telti Usinavà -Limbara Usinavà	2.4056	1
Tuscany Montarbu-Limbara Usinavà	-68.4833	0.0208*
Tuscany Montes-Limbara Usinavà	-74.9	0.0033**
Tuscany Uatzo-Limbara Usinavà	25.1833	1
Tuscany Usinavà -Limbara Usinavà	-20.4625	1
Portugal Montes-Portugal Montarbu	-78.45	0.0014**
Portugal Uatzo-Portugal Montarbu	29.6833	1
Portugal Usinavà -Portugal Montarbu	15.5444	1
Telti Montarbu-Portugal Montarbu	-18.75	1
Telti Montes-Portugal Montarbu	-40.75	1
Telti Uatzo-Portugal Montarbu	-15.6	1
Telti Usinavà -Portugal Montarbu	21.1556	1
Tuscany Montarbu-Portugal Montarbu	-49.7333	0.6483
Tuscany Montes-Portugal Montarbu	-56.15	0.1688
Tuscany Uatzo-Portugal Montarbu	43.9333	1
Tuscany Usinavà -Portugal Montarbu	-1.7125	1
Portugal Uatzo-Portugal Montes	108.1333	0***
Portugal Usinavà -Portugal Montes	93.9944	0***
Telti Montarbu-Portugal Montes	59.7	0.0857
Telti Montes-Portugal Montes	37.7	1
Telti Uatzo-Portugal Montes	62.85	0.4072
Telti Usinavà -Portugal Montes	99.6056	0***
Tuscany Montarbu-Portugal Montes	28.7167	1
Tuscany Montes-Portugal Montes	22.3	1
Tuscany Uatzo-Portugal Montes	122.3833	4e-04***
Tuscany Usinavà -Portugal Montes	76.7375	0.006**

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Portugal Usinavà -Portugal Uatzo	-14.1389	1
Telti Montarbu-Portugal Uatzo	-48.4333	1
Telti Montes-Portugal Uatzo	-70.4333	0.0668
Telti Uatzo-Portugal Uatzo	-45.2833	1
Telti Usinavà -Portugal Uatzo	-8.5278	1
Tuscany Montarbu-Portugal Uatzo	-79.4167	0.0179*
Tuscany Montes-Portugal Uatzo	-85.8333	0.0037**
Tuscany Uatzo-Portugal Uatzo	14.25	1
Tuscany Usinavà -Portugal Uatzo	-31.3958	1
Telti Montarbu-Portugal Usinavà	-34.2944	1
Telti Montes-Portugal Usinavà	-56.2944	0.2182
Telti Uatzo-Portugal Usinavà	-31.1444	1
Telti Usinavà -Portugal Usinavà	5.6111	1
Tuscany Montarbu-Portugal Usinavà	-65.2778	0.0556
Tuscany Montes-Portugal Usinavà	-71.6944	0.0106*
Tuscany Uatzo-Portugal Usinavà	28.3889	1
Tuscany Usinavà -Portugal Usinavà	-17.2569	1
Telti Montes-Telti Montarbu	-22	1
Telti Uatzo-Telti Montarbu	3.15	1
Telti Usinavà -Telti Montarbu	39.9056	1
Tuscany Montarbu-Telti Montarbu	-30.9833	1
Tuscany Montes-Telti Montarbu	-37.4	1
Tuscany Uatzo-Telti Montarbu	62.6833	1
Tuscany Usinavà -Telti Montarbu	17.0375	1
Telti Uatzo-Telti Montes	25.15	1
Telti Usinavà -Telti Montes	61.9056	0.0769
Tuscany Montarbu-Telti Montes	-8.9833	1
Tuscany Montes-Telti Montes	-15.4	1
Tuscany Uatzo-Telti Montes	84.6833	0.1293
Tuscany Usinavà -Telti Montes	39.0375	1
Telti Usinavà -Telti Uatzo	36.7556	1
Tuscany Montarbu-Telti Uatzo	-34.1333	1
Tuscany Montes-Telti Uatzo	-40.55	1
Tuscany Uatzo-Telti Uatzo	59.5333	1
Tuscany Usinavà -Telti Uatzo	13.8875	1
Tuscany Montarbu-Telti Usinavà	-70.8889	0.0183*
Tuscany Montes-Telti Usinavà	-77.3056	0.0031**
Tuscany Uatzo-Telti Usinavà	22.7778	1
Tuscany Usinavà -Telti Usinavà	-22.8681	1
Tuscany Montes-Tuscany Montarbu	-6.4167	1
Tuscany Uatzo-Tuscany Montarbu	93.6667	0.0463*
Tuscany Usinavà -Tuscany Montarbu	48.0208	1

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Tuscany Uatzo-Tuscany Montes	100.0833	0.0157*
Tuscany Usinavà -Tuscany Montes	54.4375	0.4072
Tuscany Usinavà -Tuscany Uatzo	-45.6458	1

**Table S8.** Conover test results for the resilience index among the provenances in different sites.

source	mean rank diff	pval
Corsica Montes-Corsica Montarbu	28.3068	1
Corsica Uatzo-Corsica Montarbu	28.975	1
Corsica Usinavà -Corsica Montarbu	-10.6528	1
Limbara Montarbu-Corsica Montarbu	38.5139	1
Limbara Montes-Corsica Montarbu	-15.525	1
Limbara Uatzo-Corsica Montarbu	-0.7083	1
Limbara Usinavà -Corsica Montarbu	6.125	1
Portugal Montarbu-Corsica Montarbu	46.225	1
Portugal Montes-Corsica Montarbu	-14.225	1
Portugal Uatzo-Corsica Montarbu	62.625	1
Portugal Usinavà -Corsica Montarbu	-32.0972	1
Telti Montarbu-Corsica Montarbu	21.425	1
Telti Montes-Corsica Montarbu	-4.775	1
Telti Uatzo-Corsica Montarbu	-1.075	1
Telti Usinavà -Corsica Montarbu	8.125	1
Tuscany Montarbu-Corsica Montarbu	-2.9861	1
Tuscany Montes-Corsica Montarbu	26.775	1
Tuscany Uatzo-Corsica Montarbu	71.125	1
Tuscany Usinavà -Corsica Montarbu	-24.1875	1
Corsica Uatzo-Corsica Montes	0.6682	1
Corsica Usinavà -Corsica Montes	-38.9596	1
Limbara Montarbu-Corsica Montes	10.2071	1
Limbara Montes-Corsica Montes	-43.8318	1
Limbara Uatzo-Corsica Montes	-29.0152	1
Limbara Usinavà -Corsica Montes	-22.1818	1
Portugal Montarbu-Corsica Montes	17.9182	1
Portugal Montes-Corsica Montes	-42.5318	1
Portugal Uatzo-Corsica Montes	34.3182	1
Portugal Usinavà -Corsica Montes	-60.404	0.6659
Telti Montarbu-Corsica Montes	-6.8818	1
Telti Montes-Corsica Montes	-33.0818	1
Telti Uatzo-Corsica Montes	-29.3818	1
Telti Usinavà -Corsica Montes	-20.1818	1
Tuscany Montarbu-Corsica Montes	-31.2929	1

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Tuscany Montes-Corsica Montes	-1.5318	1
Tuscany Uatzo-Corsica Montes	42.8182	1
Tuscany Usinavà -Corsica Montes	-52.4943	1
Corsica Usinavà -Corsica Uatzo	-39.6278	1
Limbara Montarbu-Corsica Uatzo	9.5389	1
Limbara Montes-Corsica Uatzo	-44.5	1
Limbara Uatzo-Corsica Uatzo	-29.6833	1
Limbara Usinavà -Corsica Uatzo	-22.85	1
Portugal Montarbu-Corsica Uatzo	17.25	1
Portugal Montes-Corsica Uatzo	-43.2	1
Portugal Uatzo-Corsica Uatzo	33.65	1
Portugal Usinavà -Corsica Uatzo	-61.0722	0.7304
Telti Montarbu-Corsica Uatzo	-7.55	1
Telti Montes-Corsica Uatzo	-33.75	1
Telti Uatzo-Corsica Uatzo	-30.05	1
Telti Usinavà -Corsica Uatzo	-20.85	1
Tuscany Montarbu-Corsica Uatzo	-31.9611	1
Tuscany Montes-Corsica Uatzo	-2.2	1
Tuscany Uatzo-Corsica Uatzo	42.15	1
Tuscany Usinavà -Corsica Uatzo	-53.1625	1
Limbara Montarbu-Corsica Usinavà	49.1667	1
Limbara Montes-Corsica Usinavà	-4.8722	1
Limbara Uatzo-Corsica Usinavà	9.9444	1
Limbara Usinavà -Corsica Usinavà	16.7778	1
Portugal Montarbu-Corsica Usinavà	56.8778	1
Portugal Montes-Corsica Usinavà	-3.5722	1
Portugal Uatzo-Corsica Usinavà	73.2778	0.4943
Portugal Usinavà -Corsica Usinavà	-21.4444	1
Telti Montarbu-Corsica Usinavà	32.0778	1
Telti Montes-Corsica Usinavà	5.8778	1
Telti Uatzo-Corsica Usinavà	9.5778	1
Telti Usinavà -Corsica Usinavà	18.7778	1
Tuscany Montarbu-Corsica Usinavà	7.6667	1
Tuscany Montes-Corsica Usinavà	37.4278	1
Tuscany Uatzo-Corsica Usinavà	81.7778	1
Tuscany Usinavà -Corsica Usinavà	-13.5347	1
Limbara Montes-Limbara Montarbu	-54.0389	1
Limbara Uatzo-Limbara Montarbu	-39.2222	1
Limbara Usinavà -Limbara Montarbu	-32.3889	1
Portugal Montarbu-Limbara Montarbu	7.7111	1
Portugal Montes-Limbara Montarbu	-52.7389	1
Portugal Uatzo-Limbara Montarbu	24.1111	1

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Portugal Usinavà -Limbara Montarbu	-70.6111	0.2365
Telti Montarbu-Limbara Montarbu	-17.0889	1
Telti Montes-Limbara Montarbu	-43.2889	1
Telti Uatzo-Limbara Montarbu	-39.5889	1
Telti Usinavà -Limbara Montarbu	-30.3889	1
Tuscany Montarbu-Limbara Montarbu	-41.5	1
Tuscany Montes-Limbara Montarbu	-11.7389	1
Tuscany Uatzo-Limbara Montarbu	32.6111	1
Tuscany Usinavà -Limbara Montarbu	-62.7014	0.9212
Limbara Uatzo-Limbara Montes	14.8167	1
Limbara Usinavà -Limbara Montes	21.65	1
Portugal Montarbu-Limbara Montes	61.75	0.5248
Portugal Montes-Limbara Montes	1.3	1
Portugal Uatzo-Limbara Montes	78.15	0.2124
Portugal Usinavà -Limbara Montes	-16.5722	1
Telti Montarbu-Limbara Montes	36.95	1
Telti Montes-Limbara Montes	10.75	1
Telti Uatzo-Limbara Montes	14.45	1
Telti Usinavà -Limbara Montes	23.65	1
Tuscany Montarbu-Limbara Montes	12.5389	1
Tuscany Montes-Limbara Montes	42.3	1
Tuscany Uatzo-Limbara Montes	86.65	0.7909
Tuscany Usinavà -Limbara Montes	-8.6625	1
Limbara Usinavà -Limbara Uatzo	6.8333	1
Portugal Montarbu-Limbara Uatzo	46.9333	1
Portugal Montes-Limbara Uatzo	-13.5167	1
Portugal Uatzo-Limbara Uatzo	63.3333	1
Portugal Usinavà -Limbara Uatzo	-31.3889	1
Telti Montarbu-Limbara Uatzo	22.1333	1
Telti Montes-Limbara Uatzo	-4.0667	1
Telti Uatzo-Limbara Uatzo	-0.3667	1
Telti Usinavà -Limbara Uatzo	8.8333	1
Tuscany Montarbu-Limbara Uatzo	-2.2778	1
Tuscany Montes-Limbara Uatzo	27.4833	1
Tuscany Uatzo-Limbara Uatzo	71.8333	1
Tuscany Usinavà -Limbara Uatzo	-23.4792	1
Portugal Montarbu-Limbara Usinavà	40.1	1
Portugal Montes-Limbara Usinavà	-20.35	1
Portugal Uatzo-Limbara Usinavà	56.5	1
Portugal Usinavà -Limbara Usinavà	-38.2222	1
Telti Montarbu-Limbara Usinavà	15.3	1
Telti Montes-Limbara Usinavà	-10.9	1

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Telti Uatzo-Limbara Usinavà	-7.2	1
Telti Usinavà -Limbara Usinavà	2	1
Tuscany Montarbu-Limbara Usinavà	-9.1111	1
Tuscany Montes-Limbara Usinavà	20.65	1
Tuscany Uatzo-Limbara Usinavà	65	1
Tuscany Usinavà -Limbara Usinavà	-30.3125	1
Portugal Montes-Portugal Montarbu	-60.45	0.6355
Portugal Uatzo-Portugal Montarbu	16.4	1
Portugal Usinavà -Portugal Montarbu	-78.3222	0.0501
Telti Montarbu-Portugal Montarbu	-24.8	1
Telti Montes-Portugal Montarbu	-51	1
Telti Uatzo-Portugal Montarbu	-47.3	1
Telti Usinavà -Portugal Montarbu	-38.1	1
Tuscany Montarbu-Portugal Montarbu	-49.2111	1
Tuscany Montes-Portugal Montarbu	-19.45	1
Tuscany Uatzo-Portugal Montarbu	24.9	1
Tuscany Usinavà -Portugal Montarbu	-70.4125	0.2578
Portugal Uatzo-Portugal Montes	76.85	0.2523
Portugal Usinavà -Portugal Montes	-17.8722	1
Telti Montarbu-Portugal Montes	35.65	1
Telti Montes-Portugal Montes	9.45	1
Telti Uatzo-Portugal Montes	13.15	1
Telti Usinavà -Portugal Montes	22.35	1
Tuscany Montarbu-Portugal Montes	11.2389	1
Tuscany Montes-Portugal Montes	41	1
Tuscany Uatzo-Portugal Montes	85.35	0.89
Tuscany Usinavà -Portugal Montes	-9.9625	1
Portugal Usinavà -Portugal Uatzo	-94.7222	0.0237*
Telti Montarbu-Portugal Uatzo	-41.2	1
Telti Montes-Portugal Uatzo	-67.4	0.846
Telti Uatzo-Portugal Uatzo	-63.7	1
Telti Usinavà -Portugal Uatzo	-54.5	1
Tuscany Montarbu-Portugal Uatzo	-65.6111	1
Tuscany Montes-Portugal Uatzo	-35.85	1
Tuscany Uatzo-Portugal Uatzo	8.5	1
Tuscany Usinavà -Portugal Uatzo	-86.8125	0.1063
Telti Montarbu-Portugal Usinavà	53.5222	1
Telti Montes-Portugal Usinavà	27.3222	1
Telti Uatzo-Portugal Usinavà	31.0222	1
Telti Usinavà -Portugal Usinavà	40.2222	1
Tuscany Montarbu-Portugal Usinavà	29.1111	1
Tuscany Montes-Portugal Usinavà	58.8722	0.9713

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Tuscany Uatzo-Portugal Usinavà	103.2222	0.1651
Tuscany Usinavà -Portugal Usinavà	7.9097	1
Telti Montes-Telti Montarbu	-26.2	1
Telti Uatzo-Telti Montarbu	-22.5	1
Telti Usinavà -Telti Montarbu	-13.3	1
Tuscany Montarbu-Telti Montarbu	-24.4111	1
Tuscany Montes-Telti Montarbu	5.35	1
Tuscany Uatzo-Telti Montarbu	49.7	1
Tuscany Usinavà -Telti Montarbu	-45.6125	1
Telti Uatzo-Telti Montes	3.7	1
Telti Usinavà -Telti Montes	12.9	1
Tuscany Montarbu-Telti Montes	1.7889	1
Tuscany Montes-Telti Montes	31.55	1
Tuscany Uatzo-Telti Montes	75.9	1
Tuscany Usinavà -Telti Montes	-19.4125	1
Telti Usinavà -Telti Uatzo	9.2	1
Tuscany Montarbu-Telti Uatzo	-1.9111	1
Tuscany Montes-Telti Uatzo	27.85	1
Tuscany Uatzo-Telti Uatzo	72.2	1
Tuscany Usinavà -Telti Uatzo	-23.1125	1
Tuscany Montarbu-Telti Usinavà	-11.1111	1
Tuscany Montes-Telti Usinavà	18.65	1
Tuscany Uatzo-Telti Usinavà	63	1
Tuscany Usinavà -Telti Usinavà	-32.3125	1
Tuscany Montes-Tuscany Montarbu	29.7611	1
Tuscany Uatzo-Tuscany Montarbu	74.1111	1
Tuscany Usinavà -Tuscany Montarbu	-21.2014	1
Tuscany Uatzo-Tuscany Montes	44.35	1
Tuscany Usinavà -Tuscany Montes	-50.9625	1
Tuscany Usinavà -Tuscany Uatzo	-95.3125	0.4405

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