

Sample	Lab. code	Site	Latitude - Longitude
1	1	La Viste 2019	43°21.441'N 5°21.420'E
2	TR21-1	La Viste 2021	43°21.441'N 5°21.420'E
3	TR21-4	St Exupéry High school 2021	43°20.76'N 5°21.07'E
4	TR21-6	La Calade 2021	43°20.44N 5°21'E
5	TRA1-a3	Les Amaryllis	43°18.987'N 5°26.554'E
6	TRA2-F1	Les Olives quarry materials	43°19.373'N 5°26.982'E
7	TRA6-O1	Les Olives. Les Olives avenue	43°19.498'N 5°26.517'E

Supplementary File S1. List and location of pollen samples from the Marseille tufa.

Sample	1	2	3	4	5	6	7
<i>Abies</i> sp.	1	0	0	0	0	0	0
<i>Acer</i> sp.	6	0	0	0	1	0	0
<i>Alnus glutinosa</i> t.	3	1	1	2	1	0	0
<i>Alnus viridis</i> t.	1	0	0	0	0	0	0
<i>Ammi</i> sp.	0	1	3	0	0	0	0
<i>Anthemis</i> sp.	0	0	0	0	3	0	0
Apiaceae	2	0	0	1	0	0	0
<i>Artemisia</i> sp.	36	71	14	3	0	0	3
<i>Aster</i> t.	2	0	3	3	1	0	0
<i>Atriplex</i> t.	5	6	10	0	2	0	0
<i>Betula</i> sp.	1	0	1	0	1	0	6
<i>Blackstonia</i> t.	1	0	0	0	0	0	0
<i>Botryococcus</i>	0	5	0	0	0	0	0
<i>Buxus</i> sp.	1	0	0	0	0	0	0
<i>Carduus</i> t.	1	0	0	0	0	0	0
<i>Castanea</i> sp.	10	0	15	1	0	4	1
<i>Cedrus</i> sp.	1	0	0	0	0	0	2
<i>Celtis</i> sp.	4	0	0	0	0	1	0
<i>Centaurea cyanus</i> t.	1	0	0	0	1	0	0
<i>Centaurea nigra</i> t.	0	1	0	0	0	1	0
Cerealial 40 µm	3	0	1	0	0	0	0
Cerealial 42.5 µm	4	0	0	0	0	0	0
Cerealial 45 µm	1	0	0	0	0	0	1
Cerealial 47.5 µm	1	1	0	0	0	0	0
Cerealial 52.5	0	1	0	0	0	0	0
Cerealial 55 µm	1	0	0	0	0	0	0
Cerealial 60 µm	1	0	0	0	0	0	0
Charcoal	588	1665	1380	481	84	85	26950
Chenopodiaceae	7	16	11	1	0	2	1
Chrysophyceae	3	6	0	2	0	2	1
Cichorioideae	5	14	6	0	0	0	2
<i>Cirsium</i> t.	0	1	0	0	0	0	0
<i>Corylus</i> sp.	2	0	1	1	0	1	5
Cyperaceae	2	0	0	4	5	2	0
<i>Delitschia</i> sp.	2	0	0	0	0	0	0
<i>Dipsacus</i> sp.	0	7	0	0	0	1	0
<i>Draba</i> t.	5	7	2	0	0	1	0
<i>Erica arborea/multiflora</i> t.	0	0	1	0	0	0	1
<i>Euphorbia</i> sp.	3	2	0	0	0	0	0
<i>Fagus</i> sp.	2	1	2	0	1	0	1
<i>Fraxinus</i> sp.	10	0	0	2	2	0	0
<i>Galium</i> sp.	3	0	0	0	0	0	0
<i>Geranium</i> sp.	0	1	0	1	0	0	0
<i>Glomus</i> sp.	0	1	3	1	0	0	1

HdV20d	1	0	0	0	0	0	0
<i>Hypericum</i> sp.	0	0	0	0	0	0	1
<i>Iris</i> sp.	0	0	0	0	0	1	0
<i>Juglans</i> sp.	1	0	0	0	0	0	1
<i>Juniperus</i> sp.	21	4	14	2	12	14	1
Lamiaceae	0	1	0	0	0	0	0
<i>Ligustrum</i> sp.	0	0	0	0	3	1	1
<i>Lycopodium selago</i>	0	0	0	0	1	0	0
<i>Malva</i> sp.	2	0	0	0	0	0	0
<i>Mentha</i> sp.	1	0	0	0	0	0	0
Microforaminifera	1	0	0	0	0	0	0
<i>Myriophyllum spicatum</i>	0	0	0	0	0	1	0
<i>Odontites</i> sp.	0	0	0	0	1	0	1
<i>Olea</i> sp.	19	25	6	1	6	6	5
<i>Ostrya/Carp. Orient.</i>	1	0	0	0	0	0	1
<i>Pedicularis</i> t.	1	0	0	0	0	0	0
<i>Picea</i> sp.	0	0	0	0	0	0	2
<i>Pinus sylvestris</i> t.	56	22	7	9	5	3	2
<i>Pinus mediterranean</i>	196	77	59	57	37	60	21
<i>Pinus halepensis</i> t.	1	0	0	0	0	0	0
<i>Pistacia</i> sp.	0	0	0	0	0	0	3
<i>Plantago coronopus</i>	19	0	0	0	0	1	0
<i>Plantago lanceolata</i> t.	4	1	0	0	0	0	1
<i>Plantago major-media</i> t.	0	0	1	0	0	0	0
<i>Platanus</i> sp.	5	0	0	1	30	4	1
Poaceae	33	24	53	12	4	13	13
<i>Populus</i> sp.	2	0	0	0	2	0	0
<i>Potentilla</i> sp.	0	0	2	0	0	0	0
<i>Prunus</i> t.	1	2	0	0	0	0	0
<i>Quercus</i> (deciduous)	25	37	28	12	13	23	54
<i>Quercus ilex</i>	43	7	2	1	14	5	9
<i>Reseda</i> sp.	0	1	0	0	0	0	0
<i>Rumex</i> sp.	1	1	0	0	0	0	0
<i>Salix</i> sp.	0	0	0	0	0	0	1
<i>Sambucus nigra</i>	0	0	0	1	0	0	0
<i>Secale cereale</i>	3	0	0	0	0	0	0
<i>Sinapis</i> t.	4	0	0	0	0	0	0
<i>Sordaria</i> sp.	2	0	0	0	0	0	0
<i>Tilia</i> sp.	1	0	0	0	0	0	0
Gymnosperm micro-remain	0	1	1	0	1	0	0
<i>Trifolium</i> t.	0	0	0	0	0	2	0
Type 200	0	0	0	0	0	0	1
<i>Ulex</i> t.	2	0	0	0	0	0	0
<i>Ulmus</i> sp.	0	1	1	1	0	0	0
<i>Urtica</i> sp.	0	0	0	0	1	0	0
<i>Valsaria</i> sp.	1	0	0	0	0	0	0

<i>Viburnum</i> sp.	0	0	0	0	0	0	2
<i>Vitis</i> sp.	0	0	4	1	2	0	0
Pollen sum with NPP	1166	2012	1632	601	234	234	27096
Pollen sum without NPP	568	339	248	117	149	147	143
NPP sum	598	1673	1384	484	85	87	26953
NPP without charcoal	10	8	3	3	2	2	2
Weight g	112	250	250	250	51	51	52
Total APF	33	93	50	11	10	12	468
APF without NPP	16	16	8	2	6	7	2
APF Charcoal	17	78	42	9	3	4	465

Supplementary File S2. Row counting of the Marseille tufa samples. Value in **bold** : over-representation of the pollen of *Platanus* due to the presence of a stem. APF : Absolute Pollen Frequency. NPP : Non Pollen Palynomorphs.

Method	Climate parameter	R ²	RMSE
MAT	MAAT (°C)	0.81	2.31
	MTWA (°C)	0.82	2.41
	MTCO (°C)	0.81	2.66
	PANN (mm.year ⁻¹)	0.82	142.07
	P _{summer} (mm.year ⁻¹)	0.87	46.05
	P _{winter} (mm.year ⁻¹)	0.65	69.26
WAPLS	MAAT (°C)	0.55	3.12
	MTWA (°C)	0.57	3.2
	MTCO (°C)	0.52	3.66
	PANN (mm.year ⁻¹)	0.52	195.39
	P _{summer} (mm.year ⁻¹)	0.61	69.2
	P _{winter} (mm.year ⁻¹)	0.21	88.85
BRT	MAAT (°C)	0.89	2.05
	MTWA (°C)	0.89	2.14
	MTCO (°C)	0.9	2.32
	PANN (mm.year ⁻¹)	0.89	126.63
	P _{summer} (mm.year ⁻¹)	0.92	42.46
	P _{winter} (mm.year ⁻¹)	0.78	62.63
RF	MAAT (°C)	0.67	2.63
	MTWA (°C)	0.67	2.75
	MTCO (°C)	0.69	2.93
	PANN (mm.year ⁻¹)	0.65	163.76
	P _{summer} (mm.year ⁻¹)	0.75	55.01
	P _{winter} (mm.year ⁻¹)	0.43	75.18
CAM	MAAT (°C)	0.87	3.4
	MTWA (°C)	0.68	2.9
	MTCO (°C)	0.86	5.5
	PANN (mm.year ⁻¹)	0.45	257

Supplementary File S3. Statistical parameters of the Modern Analog Technique (MAT), Weighted Averaging Partial Least Squares regression (WA-PLS), Boosted Regression Trees (BRT), Random Forest (RF) and Climatic Amplitude Method (CAM) methods applied on the European and Mediterranean pollen dataset. Six climatic parameters have been reconstructed: MAAT (mean annual air temperature), MTWA (mean temperature of the warmest month), MTCO (mean temperature of the coldest month), PANN (mean annual precipitation), P_{winter} (mean winter precipitation), and P_{summer} (mean summer precipitation). The coefficient of determination (R²) and the root mean square error (RMSE) for each method are represented.

Samp le	Z (m)	Thermal treatment (°C)	Declinatio n (°)	Inclinatio n (°)	Reversal Angle (°)	MAD (°)	statisti cs	Interpreta tion
TRM 47	9,3 5	150	221,2	46,4	66,7			I
TRM 46	9,2	150	73,2	16,9	67,3			I
TRM 45	8,9 5	150	169,9	16,0	101,6			R
TRM 44	8,8 5	stepwise 0-350	156,2	-21,3	136,1	10,7	Kir0	R
TRM 43	8,7	150	123,8	55,2	54,8			I
TRM 42	8,3 5	150	36,2	49,4	23,5			N
TRM 41	8,2	stepwise 0-350	325,3	-34,9	100,8	14,6	Kir	R
TRM 40	8,0 5	150	324,3	-26,7	93,2			I
TRM 39	7,8 5	150	279,4	31,8	58,0			I
TRM 38	7,6	stepwise 0-350	253,8	-24,3	118,8	17,2	Kir0	R
TRM 37	7,4	150	148,6	-4,9	118,3			R
TRM 36	7,3	150	10,9	23,6	39,1			N
TRM 35	7,1	stepwise 0-350	181,2	-56,2	174,2	3,3	Kir0	R
TRM 34	6,8 5	150	47,0	41,7	34,3			N
TRM 33	6,7	150	45,0	44,2	31,4			N
TRM 32	6,5 5	stepwise 0-350	30,7	54,7	17,5	12,0	Kir	N
TRM 31	6,4	150	38,7	33,6	37,5			N
TRM 30	6,2	150	131,0	-70,0	159,2			R
TRM 29	5,9 5	stepwise 0-350	146,3	-28,7	140,1	5,7	Kir0	R
TRM 28	5,6	150	58,7	-28,0	101,5			R
TRM 27	5,4 5	150	121,7	32,4	74,6			I
TRM 26	5,1 5	stepwise 0-350	346,0	63,3	6,6	5,3	Kir0	N
TRM 25	4,9	150	157,6	33,0	83,3			I
TRM 24	4,7	150	107,3	39,2	63,3			I
TRM 23	4,5	stepwise 0-350	137,8	40,1	72,3	3,8	Kir0	I
TRM 22	4,3	150	137,8	-38,9	145,6			R

TRM 21	4,1	150	141,5	19,4	93,1			I
TRM 20	3,9	150	326,5	-15,6	82,0			I
TRM 19	3,7 5	150	213,3	49,7	65,2			I
TRM 18	3,5 5	stepwise 0-350	106,9	-28,1	122,4	2,9	Kir0	R
TRM 17	3,4	150	84,5	-36,9	119,6			R
TRM 15	2,9 5	150	148,1	-49,0	158,1			R
TRM 14	2,8	stepwise 0-350	156,3	-51,9	163,8	1,8	Kir	R
TRM 13	2,6	150	185,1	-45,9	163,6			R
TRM 12	2,4	150	119,0	-44,6	141,4			R
TRM 11	2,2	stepwise 0-350	169,9	-46,7	163,6	5,2	Kir0	R
TRM 10	1,9 5	150	174,6	7,1	110,8			R
TRM 9	1,7	150	272,7	-43,9	126,6			R
TRM 8	1,5	stepwise 0-350	242,7	-54,0	147,2	12,0	Kir	R
TRM 7	1,4	150	344,8	72,7	12,1			N
TRM 6	1,2 5	150	173,5	-57,7	174,6			R
TRM 5	1,0 5	150	198,9	-55,3	168,2			R
TRM 4	0,8 5	150	134,9	-54,5	155,7			R
TRM 3	0,6 5	stepwise 0-350	201,2	-71,3	167,6	3,7	Kir0	R
TRM 2	0,4 5	150	174,0	-60,0	176,5			R
TRM 1	0,2	stepwise 0-350	169,8	-58,1	173,6	13,1	Kir	R

Supplementary File S4 sheet 1 : Paleomagnetic results table of La Viste section (TRM). For samples measured after 150°C heating, the remanence is considered as being stable. For samples subjected to stepwise thermal demagnetization, Kirschvink statistics [105] are deduced from the determination of the stable direction.

Location	Sample	Declination (°)	Inclination (°)	Reversal Angle (°)	MAD (°)	statistics	Interpretation
Upper part of the Saint Exupery section	SX14A	50,93	19,23	55,24	4,33	Kir	I
	SX13A	70,67	37,85	48,35	10,78	Kir0	I
	SX12A	62,18	45,78	38,23	3,59	Kir0	N
Lower part of the Saint Exupery section	SX11A	50,48	7,64	65,57	8,3	Kir	I
	SX10A	16,98	57,91	9,4	9,73	Kir	N
	SX9A	64,72	66,9	27,02	5,02	Kir	N
	SX8A	82,45	65,93	33,76	4,81	Kir	N
	SX7A	351,57	69,29	8,06	14,05	Kir	N
	SX6A	351,12	57,22	6,55	13,8	Kir	N
	SX5A	122,63	62,17	48,5	4,98	Kir	N
	SX4A	71,98	67,01	29,6	10,56	Kir	N
	SX3A	13,65	63,87	6,47	11,16	Kir	N
Carrefour Market section	SX2A	5,44	50,72	11,66	18,26	Kir	N
	SX1A	13,7	45,39	18,39	11,71	Kir	N
	CAM8A	181,89	-51,63	169,58	4,51	Kir	R
	CAM7A	133,88	6,21	103,18	5,14	Kir0	R
	CAM6A	194,59	-40,85	157,1	23,37	Kir	R
	CAM5A	183,31	-43,44	161,33	9,57	Kir	R
	CAM4B	154,22	-40,67	153,64	6,36	Kir0	R
	CAM3A	138,21	-28,8	137,07	2,73	Kir	R
	CAM2A	115,3	-77,69	154,88	4,05	Kir	R
Upper part of the Calade section	CAM1A	150,51	-17,7	131,13	8,53	Kir0	R
	CAL9A	350,54	21,79	40,73	6,94	Kir	N
	CAL8A	332,14	30,77	36,07	9,60	Kir0	N
Lower part of the Calade section	CAL10A	178,33	55,94	62,05	10,07	Kir	I
	CAL7A	350,47	39,62	23,12	19,99	Kir	N
	CAL6B	149,38	36,28	78,65	12,06	Kir0	R
	CAL5B	110,12	-8,11	106,53	8,50	Kir0	R
	CAL4A	298,66	82,21	25,13	6,99	Kir	N
	CAL3A	274,81	67,87	33,62	5,38	Kir	N
	CAL2A	157,64	32,53	83,76	8,42	Kir	I
	CAL1A	210,60	76,16	40,48	8,06	Kir	N

Supplementary File 4., sheet2. Paleomagnetic results table for Saint Exupéry (SX), Carrefour Market (CAM) and Calade (CAL) sections. Kirschvink statistics [102] are deduced from the determination of the stable direction determined from alternating field stepwise demagnetization patterns.

The reversal angle is the calculated angle between the expected orientation of the geomagnetic field at site latitude for normal polarity (63° towards N000) and the stable magnetization deduced from the paleomagnetic investigations.

N= normal polarity, R=reverse polarity, I= intermediate polarity

Locality	Sample	d18O	d13C
		Mean	Mean
		permil V-PDB	permil V-PDB
LES AYGALES	A1a	-5,99	-9,28
	A1b	-6,28	-9,37
	A2	-6,06	-9,47
	A3	-5,98	-9,06
	A5	-6,10	-8,99
	A6	-5,89	-9,42
	A7	-5,97	-9,10
SAINT-EXUPERY HIGH SCHOOL	G-1	-6,29	-9,09
	G-2	-6,36	-9,82
	G-3	-5,89	-9,22
	G-4	-5,59	-8,94
LA CALADE	CAL-C1	-5,92	-8,81
	CAL-C2	-6,42	-9,01
LA VALENTINE (BAOU DE ST MARCEL)	1	-6,76	-8,09
	2A	-6,28	-7,95
	5A	-6,72	-7,15
	5B	-7,08	-8,02
	5C	-6,57	-8,15
	5D	-5,24	-6,25
	5E	-6,59	-6,97
	5G	-6,94	-8,16
	6 A	-7,15	-8,54
	6 C	-6,99	-8,13
	8 A	-5,84	-9,06
	8 B	-6,30	-8,14
	8 C	-4,03	-4,10
	8 D	-4,56	-2,89
	8 E	-5,96	-7,50
	8 F	-4,98	-9,19
	9 A	-7,09	-8,40
	9 B	-6,69	-7,30
	9 C	-6,52	-7,02

Supplementary File S5. Carbon and oxygen isotope composition of bulk carbonates : lower Pleistocene calcareous tufas from the Marseille Basin (see Figure 1 for location of sampling localities)

Group	Taxa	Group	Taxa
Aquatics-Hygrophilous	<i>Botryococcus</i> Chrysophyceae <i>Iris</i> <i>Mentha</i> <i>Myriophyllum spicatum</i>	<i>Pinus</i> sum	<i>P. halepensis</i> Mediterranean P. <i>P. sylvestris</i>
Cerealialia	Cerealialia 40-60 µm <i>Secale</i>	<i>Quercus</i> forest	<i>Acer</i> <i>Buxux</i> <i>Celtis</i> <i>Corylus</i> <i>Ligustrum</i> <i>Olea</i> <i>Pistacia</i> <i>Prunus</i> Deciduous Q. <i>Q. ilex</i> <i>Sambucus nigra</i> <i>Tilia</i> <i>Ulex</i> <i>Ulmus</i> <i>Viburnum</i> <i>Vitis</i>
Chenopodiaceae	<i>Atriplex</i> Chenopodiaceae		
Coprophilous	<i>Delitschia</i> <i>Glomus</i> HdV20d <i>Sordaria</i> <i>Valsaria</i> Type 200		
Nitrophilous	<i>Ammi</i> <i>Anthemis</i> <i>Artemisia</i> <i>Aster</i> <i>Atriplex</i> <i>Carduus</i> <i>Centaurea cyanus</i> <i>Centaurea nigra</i> Chenopodiaceae Cichorioideae <i>Cirsium</i> <i>Plantago coronopus</i> <i>P. lanceolata</i> <i>P. major</i> <i>Rumex</i> <i>Urtica</i>	Riverine forest	<i>Alnus glutinosa</i> <i>Corylus</i> <i>Fraxinus</i> <i>Juglans</i> <i>Platanus</i> <i>Populus</i> <i>Salix</i>
		Steppics	<i>Anthemis</i> <i>Artemisia</i> <i>Aster</i> <i>Centaurea cyanus</i> <i>Centaurea nigra</i> Chenopodiaceae sum Cichorioideae <i>Cirsium</i>

Supplementary File S6. Ecological classification of pollen taxa used to draw pollen diagrams.

Taxa	Family	Edible organ	Tree	Herb	Vegetable	Fruit	Seed	Underground organ	Other
<i>Abies</i> sp.	Pinaceae	Inner bark	1						1
<i>Ammi</i> t.	Apiaceae	Seed		1			1		
<i>Anthemis</i>	Compositae	Leaf, stem		1	2				
Apiaceae	Apiaceae	Leaf, stem, root		1	2			1	
<i>Artemisia</i> sp.	Compositae	Leaf, shoot		1	2				
<i>Asphodelus</i> sp.	Liliaceae	All		1	1	1	1	1	1
<i>Aster</i> t.	Compositae	Leaf, stem		1	2				
<i>Atriplex</i> t.	Chenopodiaceae	All		1	1	1	1	1	1
<i>Betula</i> sp.	Betulaceae	Leaf, bark, sap	1		1				2
<i>Carduus</i> t.	Compositae	Leaf		1	1				
<i>Castanea</i> sp.	Fagaceae	Fruit	1			1			
<i>*Celtis australis</i>	Cannabaceae	Fruit, seed	1			1	1		
<i>Celtis</i> sp.	Cannabaceae	Fruit, seed	1			1	1		
<i>Centaurea cyanus</i>	Compositae	Flower		1	1				
<i>Centaurea nigra</i> t.	Compositae	Flower		1	1				
<i>Centranthus</i> t.	Valerianaceae	Leaf, flower		1	2				
<i>*Cercis siliquastrum</i>	Fabaceae	Flower, young shoot		1	1				
Cerealial 40 µm	Poaceae	Seed		1			1		
Cerealial 42,5 µm	Poaceae	Seed		1			1		
Cerealial 45 µm	Poaceae	Seed		1			1		
Cerealial 47,5 µm	Poaceae	Seed		1			1		
Cerealial 52,5 µm	Poaceae	Seed		1			1		
Cerealial 55 µm	Poaceae	Seed		1			1		
Cerealial 60 µm	Poaceae	Seed		1			1		
<i>Chamaerops humilis</i>	Arecaceae	Fruit				1			
Chenopodiaceae	Chenopodiaceae	Leaf		1	1				
Cichorioideae	Cichorioideae	Flower, leaf, stem		1	3				
<i>Cirsium</i> sp.	Compositae	Flower, leaf, stem		1	3				
<i>*Cornus sanguinea</i>	Cornaceae	Fruit	1			1			
<i>Corylus</i> sp.	Betulaceae	Seed	1				1		
<i>*Corylus avellana</i>	Betulaceae	Seed	1				1		
<i>*Crataegus oxycantha</i>	Rosaceae	Young leaf, fruit	1		1	1			
Cyperaceae	Cyperaceae	Root		1				1	
<i>Draba</i> t.	Brassicaceae	Leaf, stem		1	2				
<i>Fagus</i> sp.	Fagaceae	Seed	1				1		
<i>*Ficus carica</i>	Moraceae	Fruit	1			1			
<i>Fraxinus</i> sp.	Oleaceae	Leaf	1		1				
<i>Galium</i> sp.	Rubiaceae	Leaf		1	1				
<i>Geranium</i> sp.	Geraniceae	Leaf		1	1				
<i>Juglans</i> sp.	Juglandaceae	Seed	1				1		

<i>Juniperus</i> sp.	Cupressaceae	Fruit	1			1			
Lamiaceae	Lamiaceae	All		1	1	1	1	1	1
* <i>Malus acerba</i>	Rosaceae	Fruit	1			1			
<i>Mentha</i> t.	Lamiaceae	Leaf		1	1				
<i>Myriophyllum spicatum</i>	Haloragaceae	Root		1	1				
<i>Olea</i> sp.	Oleaceae	Fruit	1			1			
<i>Picea</i> sp.	Pinaceae	Bud	1		1				
<i>Pinus halepensis</i> t.	Pinaceae	Seed, young shoot	1		1				
<i>Pinus</i> (mediterranean)	Pinaceae	Seed, young shoot	1		1				
* <i>Pinus nigra</i> subsp. <i>salzmannii</i>	Pinaceae	Seed, young shoot	1		1				
* <i>Pinus pyrenaica</i>	Pinaceae	Seed, young shoot	1		1				
<i>Pinus sylvestris</i> t.	Pinaceae	Seed, young shoot	1		1		1		
<i>Pistacia</i> sp.	Anacardiaceae	Fruit, resin	1			1			1
<i>Plantago coronopus</i> t.	Plantaginaceae	Young leaf		1	1				
<i>Plantago lanceolata</i> t.	Plantaginaceae	Young leaf		1	1				
<i>Plantago major-media</i> t.	Plantaginaceae	Young leaf		1	1				
Poaceae	Poaceae	Young shoot, leaf		1	2				
* <i>Populus alba</i>	Salicaceae	Sap, young shoot, bud, bark	1		3				1
<i>Populus nigra</i>	Salicaceae	Sap, young shoot, bud, bark	1		3				
<i>Populus</i> sp.	Salicaceae	Sap, young shoot, bud, bark	1		3				1
<i>Potentilla</i> t.	Rosaceae	All		1	1	1	1	1	1
<i>Prunus</i> t.	Rosaceae	Fruit	1			1			
<i>Quercus</i> (deciduous)	Fagaceae	Fruit	1			1			
<i>Quercus ilex</i> t.	Fagaceae	Fruit	1			1			
* <i>Quercus pubescens</i>	Fagaceae	Fruit	1			1			
<i>Reseda</i> sp.	Resedaceae	Leaf, young shoot		1	2				
* <i>Ribes</i> sp.	Grossulariaceae	Fruit				1			
* <i>Rubus idaeus</i>	Rosaceae	Fruit	1			1			
<i>Rumex</i> sp.	Polygonaceae	Leaf, stem		1	2				
<i>Salix</i> sp.	Salicaceae	Leaf, young shoot	1		2				
* <i>Salix viminalis</i>	Salicaceae	Leaf, young shoot	1		2				

<i>Sambucus nigra</i>	Caprifoliaceae	Fruit	1		1			
<i>Secale</i> sp.	Poaceae	Seed		1			1	
<i>Sinapis</i> t.	Brassicaceae	Seed, leaf, bark		1	2			
<i>*Tilia europaea</i>	Tiliaceae	Young leaf, flower	1		3			
<i>Tilia</i> sp.	Tiliaceae	Young leaf, flower, bark	1		3			
<i>Trifolium</i> t.	Fabaceae	Flower, leaf		1	2			
<i>Ulex</i> t.	Fabaceae	Leaf, stem		1	2			
<i>Ulmus</i> sp.	Ulmaceae	Leaf	1		1			
<i>Urtica</i> sp.	Urticaceae	Leaf, stem		1	2			
<i>Vitis</i> sp.	Vitaceae	Fruit, leaf	1		1	1		
<i>*Vitis vinifera</i> <i>subsp. sylvestris</i>	Vitaceae	Fruit, leaf	1		1	1		
Sum of tree & herb			37	41				
% of tree & herb			47,4	52,6				
Sum of biological organ					74	21	20	6
% of biological organ					56,5	16	15,3	4,6

Supplementary File S7. List of edible plants from the Marseille tufa.