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Table S1. *Quercus alnifolia* communities' vertical structure. Sampling plots No 1-18: at “Chrysovrysi” linear trail, National Forest Park of Troodos; Sampling plots 19-20: at Machairas Forest; Sampling plots No 21-36: at the part of the European E4 trail that traverses the site “Koilada Kedron - Kampos”.

Abbreviations: Tree layer height classes T₁: 20-35 m, T₂: 10-20 m, T₃: 5-10 m and T₄: 0.5-5 m. Shrub layer height classes S₁: 2-5 m (only for *Quercus alnifolia* individuals), S₂: 1-2 m and S₃: 0.1-1 m.

Sampling plot No	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
No of Plant taxa	25	24	28	28	26	22	22	17	21	16	8	13	11	14	10	10	19	17	33	26	23	21	25	33	15	17	16	14	22	20	17	18	25	9	18	15	
Altitude (m)	1090	1100	1100	1100	1100	1120	1130	1150	1160	1170	1190	1220	1240	1260	1290	1310	1070	1080	1220	1230	1170	1160	1130	1140	1240	1300	1370	1380	1310	1260	1220	1170	1140	1160	1250	1230	
Exposure	E	N	NE	NE	NE	SE	SE	S	E	E	NE	E	NE	N	N	N	SE	NE	SE	S W	E	S W	E	NE	SE	S	NE	N W	E	W	W	W	S	N W	SE	W	W
Inclination (%)	21 - 35	21 - 35	0 - 10	11 - 20	0- 10 - 35	21 - 35	0- 10 - 35	21 - 35	11 - 20	21 - 35	21 - 35	11 - 20	0 - 10	35 - 50	21 - 35	21 - 35	21 - 35	11 - 20	11 - 20	0- 10 - 20	35 - 50	11 - 20	35 - 50	11 - 20	0 - 10	21 - 35	11 - 20	11 - 20	21 - 35	21 - 35	11 - 20	11 - 20	11 - 20	21 - 35	11 - 20	11 - 20	11 - 20
Coverage of T1 (%)	.	30	40	80	30	10	40	30	.	50	.	.	.	40	40	.	60	30	.	.	.	50	30	.	.	.	70	.	.	40	.	.	80	.	.	.	
Coverage of T2 (%)	20	40	.	.	30	60	.	.	70	20	20	60	60	.	20	90	30	.	.	.	10	10	.	20	.	30	10	30	.	10	40	50	20	.	.	.	
Coverage of T3 (%)	.	.	.	50	.	.	50	40	.	30	60	.	.	40	40	20	.	70	50	.	70	70	25	60	25	.	10	20	70	20	20	20	.	90	90	90	
Coverage of T4 (%)	10	60	40	10	20	20	.	10	30	20	.	10	60	30	10	20	40	20	20	60	.	40	10	60	.	10	20	20	.	10	30	40	50	10	20	20	
Coverage of S1 (%)	30	10	40	.	.	.	.	.	.	10	.	.	.	20	25	.	10	.	25	25	.	.	.	.	30	30	25	.	.	20	.	25	.	20	20	.
Coverage of S2 (%)	60	60	60	70	70	40	60	60	60	50	40	40	70	25	20	.	50	20	50	50	.	.	50	30	50	40	30	30	30	20	20	30	20	.	20	.	
Coverage of S3 (%)	40	60	30	10	.	20	40	30	10	.	.	.	.	10	10	10	60	10	30	10	10	.	10	10	.	30	.	10	10	30	.	.	20	.	.	.
Coverage of Herb (%)	10	30	30	40	40	20	25	20	25	25	25	25	25	25	25	20	25	20	50	70	50	40	60	30	30	40	80	70	40	30	80	40	30	40	40	40	50
Height of dominant trees (m)	10	20	20	30	35	35	35	20	15	20	15	15	15	20	20	15	25	30	6	3	15	20	30	15	7	10	20	16	8	20	15	16	22	7	5	8	
Layer	Plant taxa	Cover																																			
T2	<i>Quercus alnifolia</i> Poech	4	4	.	.	.	5	3
T3	<i>Quercus alnifolia</i>	.	.	.	3	3	.	.	.	2	3	.	.	3	3	.	.	5	4	.	5	3	.	4	5	5	5	.

H	<i>Asphodelus ramosus</i> L.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	.	.	.	1	3	2	.	.	3	1	2	3	.	.	.	.
H	<i>Rhagadiolus edulis</i> Gaertn.	1	1	1	1	1	1	1	.	1	1
H	<i>Arenaria rhodia</i> subsp. <i>cyprica</i> (Holmboe) McNeill	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	.	.	.	1	.	.	1	1	1	.	.	1	.	.	.	.	.	.	.	.	.	.
H	<i>Avena hirtula</i> Lag.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	.	1	2	2	.	.	2	.	.	1	.	.	.	.
H	<i>Torilis leptophylla</i> (L.) Rchb.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	1	1	.	.	.	.	1	1	.	.	.	.	.	.	.
H	<i>Petrorhagia dubia</i> (Raf.) G. López & Romo	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	1	.	.	.	2	2	.	.	.	.	.	.	.	.	.	1	.
H	<i>Pteridium aquilinum</i> (L.) Kuhn	.	.	.	3	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.	.	.	.	.	4	.	3	.	.	.	.
H	<i>Viola odorata</i> L.	.	.	1	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	1	.
H	<i>Vicia cassia</i> Boiss.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.	.	.	.	.	.	.	2	2	.	1	1	.	.	.	.
H	<i>Scutellaria cyprica</i> subsp. <i>elatiar</i> (Meikle) Hand	.	.	1	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	1	.	.	.	1	.	1	.	.	.	.	.	.	.	.	.	.	.	.
H	<i>Lactuca cyprica</i> (Rech. f.) N. Kilian & Greuter	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	.	2	1	.	.	.	.	.	.	.	.	.	.
H	<i>Thlaspi arvense</i> L.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	.	.	.	.	.	1	.	.	.	.	.	.	.	1	.
H	<i>Alyssum simplex</i> Rudolphi	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	1	.	.	.	.	1	1	.	.	.	.	.	.	.	.
H	<i>Briza humilis</i> M. Bieb.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1	.	.	2	1	.	.	.	.	.	.	.	.	.	.
H	<i>Galium tenuissimum</i> M. Bieb.	1	1	1	1	.
H	<i>Centaurea aegialophila</i> Wagenitz	1	1	1
H	<i>Filago eriocephala</i> Guss.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	2	.	.	1	.	.	.	.	.	.	.	.
H	<i>Carex flacca</i> subsp. <i>serrulata</i> (Biv.) Greuter	.	.	1	1	2
H	<i>Lathyrus aphaca</i> L.	1	1	.	1
H	<i>Gladiolus triphyllus</i> (Sm.) Ker-Gawl.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	2	.	.	.	.	.	.

Table S2. *Quercus alnifolia* communities' composition. Sampling plots No 1-18: at "Chrysovrysi" linear trail, National Forest Park of Troodos; Sampling plots 19-20: at Machairas Forest; Sampling plots No 21-36: at the part of the European E4 trail that traverses the site "Koilada Kedron - Kampos".

Sampling plot No	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
No of Plant Taxa	25	24	28	28	26	22	22	17	21	16	8	13	11	14	10	10	19	17	33	26	23	21	25	33	15	17	16	14	22	20	17	18	25	9	18	15	
Altitude (m)	1090	1100	1100	1100	1100	1120	1130	1150	1160	1170	1190	1220	1240	1260	1290	1310	1070	1080	1220	1230	1170	1160	1130	1140	1240	1300	1370	1380	1310	1260	1220	1170	1140	1160	1250	1230	
Exposure	A	B	B A	B A	B A	N A	N A	N	A	A	B A	A	B A	B	B	N A	B A	N A	N Δ	A	N Δ	A	B A	N A	N	B A	BΔ	A	Δ	Δ	N	BΔ	N A	Δ	Δ		
Inclination (%)	21 - 35	21 - 35	0 - 10	11 - 20	0 - 10	21 - 35	0- 10	21 - 35	11 - 20	21 - 35	21 - 35	11 - 20	0 - 10	35 - 50	21 - 35	21 - 35	21 - 35	11 - 20	0 - 10	11 - 20	35 - 50	11 - 20	0 - 10	21 - 35	11 - 20	11 - 20	21 - 35	21 - 35	11 - 20	11 - 20	11 - 20	21 - 35	11 - 20	11 - 20	11 - 20		
Plant taxa																																					
Taxa of <i>Quercus alnifoliae</i> - <i>Pinetum brutiae</i> Barbéro & Quézel 1979																																					
<i>Rubia tenuifolia</i>	1	1	2	2	2	2	2	2	2	1	.	1	1	1	2	1	2	1	1	1	2	1	.	2	1	2	1	1	3	1	.	.	2	1	1	1	
<i>Smilax aspera</i>	2	3	2	2	3	3	3	2	2	.	.	.	.	.	.	.	1	1	1	1	1	1	1	1	.	.	.	.	.	.	.	.	.	2	1	1	1
<i>Ptercephalus multiflorus</i> subsp. <i>multiflorus</i>	2	3	3	2	2	2	3	1	2	3	.	2	2	3	2	2	2	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Teucrium kotschyannum</i>	2	.	1	.	2	2	2	2	2	2	.	2	2	.	.	.	1	3	.	.	.	.	.	.	3	.	.	.	.	3	.	.	.	.	.	.
<i>Poa bulbosa</i>	1	1	.	.	.	.	.	.	.	.	1	.	.	.	.	1	.	2	3	.	1	1	1	.	.	1	2	.	1	.	1	.	.	.	.
<i>Salvia fruticosa</i>	2	2	1	2	1	2	3	2	2	2	.	2	.	.	.	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Asparagus acutifolius</i>	1	1	2	2	2	2	2	2	2	.	.	.	.	.	.	2	2	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Melica minuta</i>	1	2	2	2	2	1	1	2	2	.	.	.	.	.	.	2	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Clinopodium vulgare</i>	.	.	1	1	1	1	1	.	.	1	.	.	.	.	.	.	1	1	.	.	.	1	.	.	.	.	.	.	.	1	.	1	.	.	.	.
<i>Lithodora hispidula</i> subsp. <i>versicolor</i>	3	3	3	2	.	2	3	3	2	2	.	.	.	.	.	3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Pistacia terebinthus</i>	2	.	2	2	3	2	.	2	2	2	.	.	.	.	.	2	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Thymus integer</i>	2	3	2	.	.	2	2	2	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	2	.	.	.	1	.	.	.	.	.	.	.	.
<i>Rubia lauræ</i>	.	1	.	1	1	2	2	2	.	.	.	.	.	.	.	1	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Lonicera etrusca</i>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.
<i>Centaurea aegialophila</i>	1	1	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Odontites cyprius</i>	2	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Quercus coccifera</i> subsp. <i>calliprinos</i>	.	.	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Taxa of <i>Quercus alnifoliae</i> - <i>Crepidetum fraasii</i> Barbéro & Quézel 1979																																					
<i>Crepis fraasii</i>	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	.	.	.	1	.	3	2	3	3	3	3	2	3	.	2	.

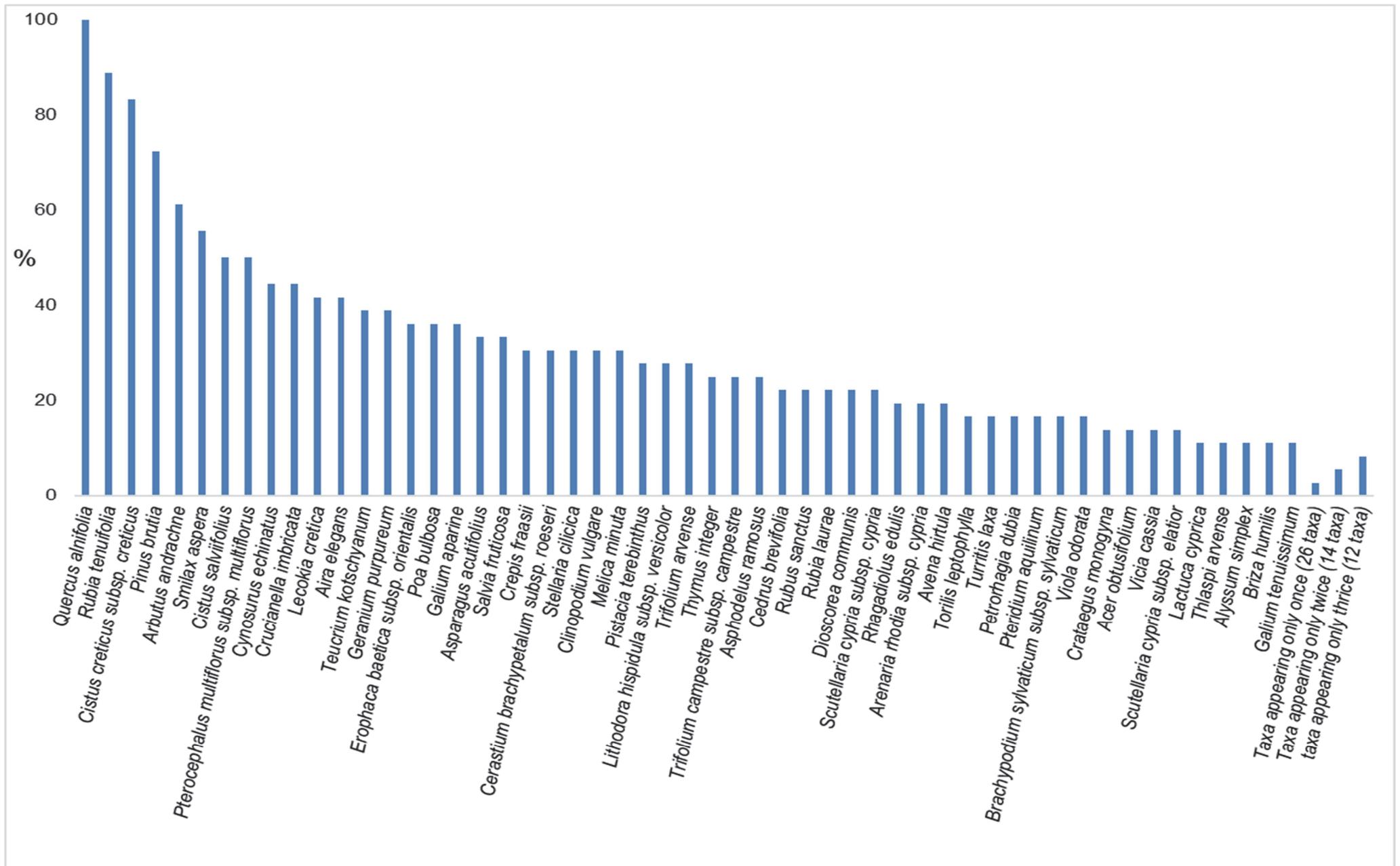


Fig. S1. Frequency of the species recorded in the 36 sampling plots. The plant taxa appearing only on 1-2 sampling plots are not listed individually.

