

Table S0. Study variables

	Variable	Label	Unit	Table n°
Morphological and dasometric variables	Crown extent (area and dimensions)	SP	m ² & m·m	S2 & S6
	Stool number of shoots	N	n/stool	S2
	Shoots mean diameter at breast height	d	cm	
	Maximum height of shoot in stool	h	m	
	Height to diameter ratio	HD	cm/cm	
	Stool basal area at ground level	ABg	cm ² /stool	
	Stool basal area at breast height	AB	cm ² /stool	
	Stool basal area per hectare	AB _{ha}	m ² /ha	
Physiological state variables	Stomatal conductance	SC	mmol/m ² ·s	S3
	Predawn water potential	WP _P	MPa	
	Midday Water Potential	WP _M	MPa	
	WP _P – WP _M difference	WP _{DIF}	MPa	
Leaf morphology variables	Mean single leaf area	LA	cm ²	S5&S6
	Mean leaf mass per unit of area	LMA	mg/cm ²	
	Total leaf area per stool	TLA	m ²	
	Leaf area index	LAI	m ² /m ²	
Aerial biomass variables	Dry weight of the total aerial part	TAW	kg & %	S5, S9 & S10
	Dry weight of the woody aerial part with Ø >17 cm	WAP17	kg & %	
	Dry weight of the woody aerial part with Ø >7 cm	WAP7	kg & %	
	Dry weight of the woody aerial part with 7> Ø >17 cm	WAP7-17	kg & %	
	Dry weight of the woody aerial part with 2> Ø >7 cm	WAP2-7	kg & %	
	Dry weight of the woody aerial part with Ø <2 cm	WAP2	kg & %	
	Leaf dry weight	LW	kg & %	S5, S6, S9 & S10
	Dry weight of the woody aerial part	WAP	kg & %	S5
	Dry weight of the woody aerial part with Ø > 2 cm	WAP+2	kg & %	
	Dry weight of the woody aerial part with Ø <2 cm	WAP-2	kg & %	
Below-ground biomass variables	Soil depth	Depth	cm	S7 & S7bis
	Cross-sectional area of roots leaving pieces with Ø > 7cm	SAR	cm ²	S7, S7bis & S8
	Stump area (ground level basal area)	SA	cm ²	
	Total dry weight of roots	TWR	kg & %	S7, S7bis, S9 & S10
	Dry weight of roots with Ø > 7 cm	RW7	kg & %	
	Dry weight of roots with 2 cm < Ø <7cm	RW2-7	kg & %	
	Dry weight of roots with Ø < 2 cm	RW2	kg & %	
	Ratio between area of roots and total dry weight of roots	SAR/TWR	cm ² /kg	S8
	Ratio between area of roots and dry weight of roots with Ø < 2 cm	SAR/PR2	cm ² /kg	
	Ratio between area of roots and dry weight of roots with 2 cm < Ø < 7 cm	SAR/PR2-7	cm ² /kg	
	Ratio between area of roots and dry weight of roots with Ø > 7 cm	SAR/PR7	cm ² /kg	
	Ratio between area of roots and stump area	SAR/SA	cm ² /cm ²	
Ratios between aerial and below-ground variables	Ratio between area of roots and dry weight of the total aerial part	SAR/TAW	cm ² /kg	S8bis
	Ratio between area of roots and dry weight of the woody aerial part	SAR/WAP	cm ² /kg	
	Ratio between area of roots and dry weight of the woody aerial part with Ø > 2 cm	SAR/WAP+2	cm ² /kg	
	Ratio between area of roots and dry weight of the woody aerial part with Ø < 2 cm	SAR/WAP-2	cm ² /kg	
	Ratio between area of roots and leaf dry weight	SAR/LW	cm ² /kg	
	Ratio between area of roots and total leaf area per stool	SAR/TLA	cm ² /m ²	
	Total dry weight	TW	kg	S9

Supplementary table to the article “Decline in holm oak coppices (*Quercus ilex* L. subsp. *ballota* (Desf.) Samp.): biometric and physiological interpretations”, by Rafael Serrada, Valentín Gómez-Sanz, María J. Aroca, Javier Otero, J. Alfredo Bravo-Fernández and Sonia Roig. *Forest Systems* Vol. 26 No. 2, August 2017 (<https://doi.org/10.5424/fs/2017262-10583>)

Table S1. Groups of stools within the sample that showed relevant morphological singularities: brief description of singularities; stools comprising considered groups; and variables in which the pairs containing singular stools were not considered in data analysis.

Group	Description	Affected pairs of stools	Affected variables
G1	Stools with peculiarities in their aerial part, including: unusual large size, unusual small size, absence or unique values of specific fractions of the aerial part.	2GU, 3GU, 5GU, 22CT, 24RC, 26RC	Leaf morphology & Above-ground biomass variables
G2	Stools with peculiarities in their root system, including: i) Doubts regarding the coppice character of the stool. Specifically, when the root system was studied in the G specimens (good vigour) in pairs 2GU and 3GU, it was found that these were saplings with good growth and morphology which were connected via root graft to an underlying section of coppice roots. Similarly, in pairs 17CU, 19TR, 21 CT, 24RC and 25RC there was no evidence of coppicing, so all the specimens could be saplings. Consequently it is considered that in all these stools the stems are in fact saplings rather than stool shoots. The presence of several stems could be explained by spontaneous sprouting. ii) Highly deteriorated root system. The B (bad vigour) specimens of the pairs 2GU and 3GU showed this condition. Despite having a similar size, when the root systems were extracted they were found to be the result of old, repeated coppicing, hence were highly developed but with obvious signs of rot. The state of the aerial part in these specimens was very deficient, highly deteriorated to the point where 2GUM, which had functional branches in August 2011, was dry when it was extracted in October of the same year	2GU, 3GU, 17CU, 19TR, 21CT, 24RC, 25RC	Below-ground biomass variables & related ratios

Table S2. Assigned area or crown extent and stool structure variables. V is good (G) or bad (B) stool vigour.

STOOL	V	Crown extent & dimensions (CEX) (m ² & m·m)	Number of shoots (N)	Shoots mean diameter at breast height (d) (cm)	Stool basal area (AB) (cm ² /stool)	Stool basal area at ground level (ABg) (cm ² /stool)	Stool basal area per hectare (ABha) (m ² /ha)	Maximum height (h) (m)	Height to diameter ratio (HD) (cm/cm)
1 GU	G	9 (3x3)	4	8.4	225.09	466.67	25.0	5.2	61.9
	B	6.25 (2.5x2.5)	4	6.9	152.56	404.28	24.4	3.6	52.2
2 GU	G	9 (3x3)	1	22.7	404.71	572.56	44.9	7.7	33.9
	B	4 (2x2)	1	17.0	226.98	352.99	56.7	5.0	29.4
3 GU	G	12.25 (3.5x3.5)	1	24.5	471.44	660.52	38.5	8.0	32.7
	B	9 (3x3)	1	25.7	518.75	669.66	57.6	6.4	24.9
4 GU	G	16 (4x4)	10	3.9	127.43	375.25	7.9	5.1	130.8
	B	9 (3x3)	6	5.5	151.85	333.35	16.8	4.3	78.2
5 GU	G	4 (2x2)	7	4.2	99.45	211.02	24.8	3.7	88.1
	B	4 (2x2)	6	4.2	83.58	178.74	20.9	2.4	57.1
6 GU	G	12 (3x4)	10	5.1	206.51	598.42	17.2	5.0	98.0
	B	12 (3x4)	10	6.3	310.04	832.67	25.8	3.5	55.6
7 BG	G	9 (3x3)	3	8.4	168.81	364.61	18.7	4.6	54.8
	B	9 (3x3)	5	5.7	128.81	371.13	14.3	4.4	77.2
8 BG	G	2.25 (1.5x1.5)	5	7.2	205.38	350.95	91.3	4.2	58.3
	B	2.25 (1.5x1.5)	4	4.4	61.02	134.89	27.1	4.0	90.9
9 BG	G	9 (3x3)	8	7.2	324.13	653.27	36.0	4.7	65.3
	B	9 (3x3)	8	6.2	241.65	456.97	26.8	3.7	59.7
10 MB	G	2.25 (1.5x1.5)	2	10.0	157.47	220.77	69.9	5.4	54.0
	B	2.25 (1.5x1.5)	1	14.1	157.08	213.82	69.8	4.8	34.0
11 MB	G	2.25 (1.5x1.5)	3	10.6	268.21	429.06	67.0	5.7	53.8
	B	2.25 (1.5x1.5)	1	12.9	132.14	246.06	58.7	6.0	46.5
12 MB	G	4 (2x2)	8	4.5	126.21	272.60	31.5	4.2	93.3
	B	4 (2x2)	8	4.6	137.05	354.76	34.2	4.3	93.5
13 FH	G	6 (2x3)	5	7.5	224.25	512.65	37.4	4.0	53.3
	B	6 (2x3)	7	8.2	370.63	822.92	61.1	4.9	59.8
14 FH	G	12 (3x4)	10	6.3	308.88	765.98	25.7	5.0	79.4
	B	12 (3x4)	11	5.3	243.96	683.15	20.3	4.8	90.6
15 FH	G	6 (2x3)	5	6.9	190.91	393.29	31.8	3.2	46.4
	B	6 (2x3)	8	5.5	192.16	395.75	32.0	3.0	54.5
16 CU	G	2.25 (1.5x1.5)	1	10.5	86.59	169.72	38.4	4.1	39.0
	B	2.25 (1.5x1.5)	1	10.7	100.67	201.06	44.7	3.3	30.8
17 CU	G	2.25 (1.5x1.5)	1	15.7	193.59	298.65	86.0	4.9	31.2
	B	2.25 (1.5x1.5)	1	12.5	122.72	226.98	54.5	4.7	37.6
18 TR	G	2.25 (1.5x1.5)	1	12.5	122.72	188.69	54.5	5.4	43.2
	B	2.25 (1.5x1.5)	1	8.7	59.45	153.94	26.4	5.5	63.2
19 TR	G	2.25 (1.5x1.5)	1	5.5	23.76	66.48	10.6	3.3	60.0
	B	2.25 (1.5x1.5)	2	6.0	58.12	134.52	25.8	2.9	48.3
20 TR	G	2.25 (1.5x1.5)	1	9.2	66.76	143.14	29.6	4.4	47.8
	B	2.25 (1.5x1.5)	1	10.7	89.92	165.13	39.9	3.9	36.4
21 CT	G	2.25 (1.5x1.5)	1	10.2	83.45	169.72	37.0	4.0	39.2
	B	2.25 (1.5x1.5)	2	6.3	63.22	166.90	28.1	3.9	61.9
22 CT	G	2.25 (1.5x1.5)	3	4.3	43.31	95.43	19.2	2.6	60.5
	B	2.25 (1.5x1.5)	2	2.5	9.90	23.32	4.4	1.4	56.0
23 CT	G	2.25 (1.5x1.5)	2	11.6	211.38	390.54	93.9	5.5	47.4
	B	2.25 (1.5x1.5)	1	10.7	89.13	143.14	39.6	4.4	41.1
24 RC	G	4 (2x2)	1	14.5	165.13	352.99	41.3	6.7	46.2
	B	4 (2x2)	1	14.5	165.13	330.06	41.3	5.5	37.9
25 RC	G	1 (1x1)	2	6.0	56.55	123.31	56.5	3.0	50.0
	B	1 (1x1)	1	5.6	25.13	103.87	25.1	3.1	55.4
26 RC	G	2.25 (1.5x1.5)	3	6.8	109.08	254.67	48.5	6.4	94.1
	B	2.25 (1.5x1.5)	3	7.0	117.02	329.22	52.0	5.5	78.6

Table S3. Results of measurement of water potential and stomatal conductance in august 2011. V is good (G) or bad (B) stool vigour.

STOOL	V	Predawn water potential (WP _P) (1) (MPa)	Midday water potential (WP _M) (2) (MPa)	Difference (1) - (2) (WP _{DIF}) (MPa)	Stomatal conductance (SC) (mmol/m ² ·s)	Temperature (°C)	Relative humidity (%)
1 GU	B	-3.05	-4.30	1.25	41.07	25.5	54.8
	M	-3.05	-4.00	0.95	54.83	26.8	54.4
2 GU	B	-2.95	-4.10	1.15	112.77	25.1	59.6
	M	-3.50	-3.90	0.40	73.20	25.0	59.7
3 GU	B	-1.70	-2.75	1.05	88.07	26.9	56.0
	M	-1.90	-2.85	0.95	88.33	28.4	54.9
4 GU	B	-1.50	-2.75	1.25	76.37	27.4	54.9
	M	-3.15	-3.90	0.75	76.13	26.0	56.2
5 GU	B	-3.85	-4.35	0.50	69.77	27.8	53.8
	M	-3.55	-4.05	0.50	66.03	27.4	53.6
6 GU	B	-3.05	-3.75	0.70	134.57	28.7	56.7
	M	-3.40	-4.40	1.00	95.57	30.0	53.2
7 BG	B	-2.35	-3.40	1.05	216.43	29.5	60.0
	M	-2.65	-3.50	0.85	164.90	30.9	57.4
8 BG	B	-2.15	-2.80	0.65	57.90	27.2	56.1
	M	-2.40	-3.25	0.85	56.03	28.7	54.3
9 BG	B	-1.70	-2.85	1.15	80.70	30.9	52.9
	M	-1.25	-3.05	1.80	70.33	31.2	51.0
10 MB	B	-0.85	-2.30	1.45	145.87	25.3	64.7
	M	-1.00	-2.50	1.50	116.37	24.3	65.2
11 MB	B	-1.00	-2.50	1.50	95.10	23.7	66.1
	M	-1.05	-3.15	2.10	67.63	23.3	65.0
12 MB	B	-1.00	-2.50	1.50	97.83	22.8	66.7
	M	-0.80	-2.95	2.15	73.60	22.0	67.4
13 FH	B	-2.65	-4.10	1.45	38.37	24.6	60.8
	M	-2.10	-3.05	0.95	101.10	25.4	60.8
14 FH	B	-2.15	-3.55	1.40	152.33	26.4	61.3
	M	-2.60	-3.95	1.35	86.17	26.8	57.7
15 FH	B	-1.95	-3.00	1.05	36.73	28.1	50.3
	M	-1.30	-2.35	1.05	202.90	29.2	58.3
16 CU	B	-3.15	-4.15	1.00	110.87	25.2	63.0
	M	-2.95	-3.85	0.90	106.80	25.6	62.2
17 CU	B	-2.45	-3.75	1.30	148.23	25.5	62.8
	M	-2.55	-4.15	1.60	63.97	26.1	58.3
18 TR	B	-1.45	-3.15	1.70	116.30	35.0	51.8
	M	-2.15	-3.30	1.15	54.97	34.5	46.4
19 TR	B	-0.80	-2.95	2.15	88.37	32.5	51.3
	M	-1.60	-3.15	1.55	173.17	33.7	53.1
20 TR	B	-2.55	-3.85	1.30	94.67	29.6	54.1
	M	-3.15	-4.15	1.00	58.17	31.7	49.5
21 CT	B	-1.15	-3.80	2.65	152.50	26.1	58.6
	M	-2.10	-3.35	1.25	155.47	26.2	58.8
22 CT	B	-1.50	-3.40	1.90	75.57	26.7	54.1
	M	-1.90	-4.00	2.10	152.57	26.7	57.1
23 CT	B	-1.35	-3.15	1.80	85.93	24.1	61.4
	M	-1.75	-2.80	1.05	144.77	23.9	62.5
24 RC	B	-0.95	-2.90	1.95	180.60	22.6	67.8
	M	-1.25	-2.90	1.65	298.57	23.7	66.4
25 RC	B	-0.90	-2.85	1.95	151.87	20.9	69.1
	M	-1.05	-4.05	3.00	230.10	21.1	70.1
26 RC	B	-1.40	-3.05	1.65	121.90	21.0	68.2
	M	-1.55	-3.15	1.60	72.60	20.9	66.8

Table S4. Leaf morphology variables: mean leaf mass per unit of area (LMA) and mean individual leaf area (LA). The stool vigour is indicated with G (good) or B (bad).

STOOL	LMA G Stools (mg/cm ²)	LMA B Stools (mg/cm ²)	Mean LMA (mg/cm ²)	LA G Stools (cm ²)	LA B Stools (cm ²)	Mean LA (cm ²)	Altitude
1 GU	18.5	22.3	20.4	2.6	2.9	2.8	944
2 GU	21.3	21.8	21.6	2.8	1.5	2.2	948
3 GU	24.7	22.9	23.8	2.6	2.1	2.4	949
4 GU	23.7	25.0	24.4	1.2	1.7	1.5	937
5 GU	25.9	22.0	24.0	1.2	1.5	1.4	955
6 GU	24.4	28.6	26.5	1.8	1.1	1.5	952
7 BG	27.2	26.1	26.7	2.9	2.0	2.5	1074
8 BG	24.4	29.0	26.7	1.3	2.9	2.1	1063
9 BG	27.0	30.0	28.5	2.1	1.1	1.6	1059
10 MB	22.7	25.6	24.2	1.3	1.8	1.6	1068
11 MB	24.3	25.7	25.0	1.5	2.7	2.1	1055
12 MB	24.1	24.2	24.2	1.7	1.0	1.4	1066
13 FH	24.8	24.3	24.6	0.9	1.6	1.3	927
14 FH	26.5	30.3	28.4	1.3	1.5	1.4	922
15 FH	23.8	26.0	24.9	1.9	1.7	1.8	916
16 CU	21.1	23.7	22.4	1.2	2.7	2.0	890
17 CU	24.1	29.8	27.0	3.0	2.7	2.9	885
18 TR	22.8	21.7	22.3	2.3	2.8	2.6	735
19 TR	27.5	28.8	28.2	1.7	2.3	2.0	727
20 TR	25.9	24.6	25.3	2.0	2.6	2.3	725
21 CT	22.6	30.1	26.4	2.9	1.1	2.0	1131
22 CT	33.1	28.0	30.6	0.8	0.9	0.9	1133
23 CT	24.2	26.5	25.4	3.5	1.7	2.6	1131
24 RC	25.5	26.3	25.9	1.9	1.7	1.8	1202
25 RC	30.2	25.7	28.0	1.2	1.1	1.2	1206
26 RC	31.2	23.7	27.5	2.9	1.5	2.2	1217

Table S5. Aerial biomass variables. V is good (G) or bad (B) stool vigour.

STOOL	V	Dry weight (kg)						Dry weight in relative value (%)				
		Total (WAT)	> 17 cm (WAP17)	17 - 7 cm (WAP7-17)	7 - 2 cm (WAP2-7)	< 2 cm (WAP-2)	Leafs (LW)	> 17 cm	17 - 7 cm	7 - 2 cm	< 2 cm	Leafs
1 GU	G	92.32		47.59	26.38	12.72	5.63		51.55	28.57	13.78	6.10
	B	59.41		28.25	20.10	9.01	2.05		47.55	33.83	15.17	3.45
2 GU	G	304.04	69.69	84.52	79.38	41.15	29.30	22.92	27.80	26.11	13.53	9.64
	B	83.42	28.65	32.22	19.30	2.24	1.01	34.34	38.62	23.14	2.69	1.21
3 GU	G	461.58	135.21	114.11	128.98	49.40	33.88	29.29	24.72	27.94	10.70	7.34
	B	218.72	130.13	36.37	34.83	12.64	4.75	59.50	16.63	15.92	5.78	2.17
4 GU	G	112.72		19.41	62.73	19.96	10.62		17.22	55.65	17.71	9.42
	B	65.27		10.95	35.31	14.49	4.52		16.78	54.10	22.20	6.93
5 GU	G	22.94			14.90	5.28	2.76			64.96	23.02	12.03
	B	15.21			11.20	3.72	0.29			73.60	24.45	1.91
6 GU	G	138.88		54.52	50.70	19.85	13.81		39.26	36.51	14.29	9.94
	B	69.31		14.43	36.96	12.95	4.97		20.82	53.32	18.68	7.17
7 BG	G	87.02		30.23	31.84	16.27	8.68		34.74	36.59	18.70	9.97
	B	63.49		13.09	30.94	16.14	3.32		20.62	48.73	25.42	5.23
8 BG	G	66.71		12.62	33.31	15.03	5.75		18.92	49.93	22.53	8.62
	B	15.74		2.22	9.12	3.41	0.99		14.11	57.95	21.67	6.29
9 BG	G	153.11		45.21	66.70	24.19	17.01		29.51	43.60	15.79	11.10
	B	92.13		27.61	36.39	23.13	5.00		29.97	39.50	25.10	5.43
10 MB	G	70.89		29.95	22.63	13.61	4.70		42.25	31.92	19.20	6.63
	B	66.22		26.95	20.57	14.50	4.20		40.70	31.07	21.90	6.34
11 MB	G	118.13		43.25	49.74	19.42	5.72		36.61	42.11	16.44	4.84
	B	71.54		32.05	22.31	12.07	5.11		44.80	31.19	16.87	7.14
12 MB	G	48.83		4.22	22.37	14.95	7.29		8.64	45.81	30.62	14.93
	B	56.23		10.90	24.16	15.48	5.69		19.39	42.97	27.53	10.12
13 FH	G	70.74		23.47	29.44	13.34	4.49		33.18	41.62	18.86	6.35
	B	106.25		47.13	38.77	14.89	5.46		44.36	36.49	14.01	5.14
14 FH	G	138.34		31.94	61.71	26.39	18.31		23.09	44.60	19.07	13.23
	B	106.90		23.91	48.47	22.01	12.51		22.37	45.34	20.59	11.70
15 FH	G	67.91		9.51	30.05	22.75	5.60		14.01	44.25	33.50	8.25
	B	43.38		9.90	15.17	13.46	4.85		22.82	34.97	31.03	11.18
16 CU	G	34.34		17.82	10.48	4.07	1.97		51.89	30.52	11.85	5.74
	B	33.26		17.01	8.78	5.33	2.14		51.14	26.40	16.03	6.43
17 CU	G	97.40		54.82	15.56	18.05	8.97		56.28	15.98	18.53	9.21
	B	67.29		26.55	21.27	13.08	6.39		39.46	31.61	19.44	9.50
18 TR	G	59.15		23.37	18.23	12.50	5.05		39.51	30.82	21.13	8.54
	B	25.81		16.81	5.78	2.60	0.62		65.15	22.40	10.08	2.40
19 TR	G	10.89		2.16	4.22	3.44	1.07		19.82	38.73	31.57	9.82
	B	14.06		3.88	5.84	3.37	0.97		27.60	41.54	23.97	6.90
20 TR	G	26.93		9.75	9.54	6.38	1.26		36.21	35.43	23.69	4.68
	B	24.91		12.65	6.36	4.56	1.34		50.78	25.53	18.30	5.38
21 CT	G	38.06		15.28	12.44	5.91	4.43		40.15	32.69	15.53	11.64
	B	18.53		5.56	7.95	4.18	0.84		30.01	42.91	22.56	4.53
22 CT	G	11.11		0.82	3.60	5.99	0.70		7.37	32.54	53.84	6.29
	B	2.73		---	0.68	1.83	0.22			24.87	66.94	8.05
23 CT	G	107.62		54.24	28.23	19.86	5.29		50.40	26.23	18.45	4.92
	B	25.49		10.91	8.28	4.51	1.79		42.79	32.48	17.69	7.02
24 RC	G	104.24	22.86	38.62	17.63	19.18	5.95	21.93	37.05	16.91	18.40	5.71
	B	89.04	15.65	40.82	16.34	14.14	2.09	17.58	45.84	18.35	15.88	2.35
25 RC	G	17.05		1.63	8.11	4.85	2.46		9.56	47.57	28.45	14.43
	B	14.71		5.22	3.84	4.31	1.34		35.48	26.10	29.30	9.11
26 RC	G	51.46		29.13	9.76	8.50	4.07		56.61	18.97	16.52	7.91
	B	68.44	11.19	25.89	13.30	14.54	3.52	16.35	37.83	19.43	21.24	5.14

Table S6. Leaf areas and LAI (leaf area index) evaluation. V is good (G) or bad (B) stool vigour. TLA = 100 LW/25,5. LAI = TLA / CEx)

STOOL	V	Crown extent (CEx) (m ²)	Leaf dry weight (LW) (kg)	Total leaf area per stool (TLA) (m ²)	LAI (m ² /m ²)
1 GU	G	9.00	5.63	22.08	2.45
	B	6.25	2.05	8.04	1.29
2 GU	G	9.00	29.3	114.90	12.77
	B	4.00	1.01	3.96	0.99
3 GU	G	12.25	33.88	132.86	10.85
	B	9.00	4.75	18.63	2.07
4 GU	G	16.00	10.62	41.65	2.6
	B	9.00	4.52	17.73	1.97
5 GU	G	4.00	2.76	10.82	2.71
	B	4.00	0.29	1.14	0.29
6 GU	G	12.00	13.81	54.16	4.51
	B	12.00	4.97	19.49	1.62
7 BG	G	9.00	8.68	34.04	3.78
	B	9.00	3.32	13.02	1.45
8 BG	G	2.25	5.75	22.55	10.02
	B	2.25	0.99	3.88	1.72
9 BG	G	9.00	17.01	66.71	7.41
	B	9.00	5	19.61	2.18
10 MB	G	2.25	4.7	18.43	8.19
	B	2.25	4.2	16.47	7.32
11 MB	G	2.25	5.72	22.43	9.97
	B	2.25	5.11	20.04	8.91
12 MB	G	4.00	7.29	28.59	7.15
	B	4.00	5.69	22.31	5.58
13 FH	G	6.00	4.49	17.61	2.94
	B	6.00	5.46	21.41	3.57
14 FH	G	12.00	18.31	71.80	5.98
	B	12.00	12.51	49.06	4.09
15 FH	G	6.00	5.6	21.96	3.66
	B	6.00	4.85	19.02	3.17
16 CU	G	2.25	1.97	7.73	3.44
	B	2.25	2.14	8.39	3.73
17 CU	G	2.25	8.97	35.18	15.64
	B	2.25	6.39	25.06	11.14
18 TR	G	2.25	5.05	19.80	8.8
	B	2.25	0.62	2.43	1.08
19 TR	G	2.25	1.07	4.20	1.87
	B	2.25	0.97	3.80	1.69
20 TR	G	2.25	1.26	4.94	2.2
	B	2.25	1.34	5.25	2.33
21 CT	G	2.25	4.43	17.37	7.72
	B	2.25	0.84	3.29	1.46
22 CT	G	2.25	0.7	2.75	1.22
	B	2.25	0.22	0.86	0.38
23 CT	G	2.25	5.29	20.75	9.22
	B	2.25	1.79	7.02	3.12
24 RC	G	4.00	5.95	23.33	5.83
	B	4.00	2.09	8.20	2.05
25 RC	G	1.00	2.46	9.65	9.65
	B	1.00	1.34	5.25	5.25
26 RC	G	2.25	4.07	15.96	7.09
	B	2.25	3.52	13.80	6.13

Table S7. Information about below-ground biomass of holm oak stools. V is good (G) or bad (B) stool vigour. SA= stump area or ground level basal area (cm²/stool); C = are there evidences of past coppice felling?; SS = is there stump sprouting?; RS = is there root sprouting?; T = is there taproot?; DR = is the depth soil restricting root development? (1 = yes; 0 = no); Depth = Soil depth (cm); Dry weight (kg), by fractions; SAR = Cross-sectional area of roots leaving pieces with Ø>7 cm (cm²/stool)

STOOL	V	SA	C	SS	RS	T	DR	Depth	Dry weight > 7 cm (RW7)	Dry weight 2-7 cm (RW2-7)	Dry weight < 2 cm (RW2)	Total dry weight (TWR)	Number of roots	SAR
1-GU-G	G	406.38	1	1	1	1	1	60	29.111	23.758	10.558	63.427	29	586
2-GU-G	G	519.53	0	0	0	1	1	60	38.776	49.378	19.891	108.045	45	929
3-GU-G	G	658.98	0	0	1	1	1	70	127.686	100.899	31.805	260.390	52	1162
4-GU-G	G	717.46	1	1	1	0	1	40	22.506	36.253	24.384	83.143	96	797
5-GU-G	G	196.77	1	1	1	0	1	40	16.520	8.474	13.154	38.149	27	326
6-GU-G	G	648.94	1	1	1	0	1	45	31.341	31.798	22.947	86.087	73	900
7-BG-G	G	413.15	1	1	1	1	1	60	68.000	20.595	13.643	102.239	78	1350
8-BG-G	G	376.63	1	1	0	1	0	100	30.790	8.613	3.392	42.795	27	480
9-BG-G	G	746.18	1	1	1	1	1	60	90.334	33.837	22.638	146.809	72	1578
10-MB-G	G	239.68	1	1	0	1	1	65	24.519	9.147	7.320	40.986	32	443
11-MB-G	G	387.20	0	1	1	1	1	60	29.815	13.550	7.580	50.945	56	618
12-MB-G	G	255.11	1	1	0	1	0	100	24.869	11.684	10.230	46.783	35	645
13-FH-G	G	459.46	1	1	1	1	1	70	16.248	10.802	15.307	42.357	69	678
14-FH-G	G	763.07	1	1	1	1	1	70	103.538	31.443	47.074	182.055	143	2071
15-FH-G	G	367.98	1	1	1	1	1	60	18.079	7.892	8.213	34.184	49	577
16-CU-G	G	162.58	1	1	1	1	1	85	12.674	7.453	10.894	31.021	21	396
17-CU-G	G	262.19	0	0	0	1	1	70	26.132	10.736	14.747	51.614	61	430
18-TR-G	G	172.07	1	1	0	1	0	120	39.844	21.759	8.622	70.226	3	176
19-TR-G	G	66.00	0	0	1	0	1	40	4.061	3.939	1.448	9.447	11	147
20-TR-G	G	152.66	1	0	1	1	0	120	11.300	7.681	2.110	21.091	18	290
21-CT-G	G	160.43	0	0	1	1	1	40	16.409	5.654	7.123	29.187	10	184
22-CT-G	G	75.70	0	1	1	1	1	75	2.677	1.591	0.402	4.671	5	188
23-CT-G	G	374.53	1	1	1	1	1	75	18.430	11.336	3.654	33.419	19	676
24-RC-G	G	340.36	0	0	0	0	1	60	45.286	19.162	13.011	77.459	33	615
25-RC-G	G	102.88	0	1	1	1	1	60	4.967	4.432	1.717	11.116	4	247
26-RC-G	G	236.38	1	1	1	1	1	85	24.333	11.026	9.446	44.805	55	809

Table S7 bis - Information about below-ground biomass of holm oak stools. V is good (G) or bad (B) stool vigour. SA= stump area or ground level basal area (cm²/stool); C = are there evidences of past coppice felling?; SS = is there stump sprouting?; RS = is there root sprouting?; T = is there taproot?; DR = is the depth soil restricting root development? (1 = yes; 0 = no); Depth = Soil depth (cm); Dry weight (kg), by fractions; SAR= Cross-sectional area of roots leaving pieces Ø > 7cm (cm² /stool).

STOOL	V	SA	C	SS	RS	T	DR	Depth	Dry weight > 7 cm (RW7)	Dry weight 2-7 cm (RW2-7)	Dry weight < 2 cm (RW2)	Total dry weight (TWR)	Number of roots	SAR
1-GU-B	B	383.44	1	1	1	1	1	50	41.733	9.249	6.712	57.694	35	433
2-GU-B	B	444.05	1	1	1	1	1	90	72.689	30.374	14.237	117.301	11	455
3-GU-B	B	658.98	1	1	1	1	1	70	148.339	80.685	20.436	249.460	19	770
4-GU-B	B	329.77	1	1	1	0	1	30	80.368	66.307	16.338	163.012	81	1003
5-GU-B	B	159.22	1	1	1	0	1	30	6.578	5.824	6.059	18.462	29	225
6-GU-B	B	516.27	1	1	1	1	1	40	30.841	20.477	8.936	60.254	42	414
7-BG-B	B	371.52	1	1	1	1	1	45	90.547	35.606	18.233	144.385	58	1248
8-BG-B	B	109.17	1	0	1	0	1	35	5.969	4.800	1.576	12.344	13	135
9-BG-B	B	503.89	1	1	1	1	1	55	75.703	28.027	16.675	120.404	66	1098
10-MB-B	B	209.42	0	0	1	0	1	50	14.129	6.883	12.281	33.292	32	313
11-MB-B	B	227.77	0	0	1	1	0	100	15.106	4.753	3.090	22.949	56	618
12-MB-B	B	322.17	1	1	1	1	0	100	34.212	9.589	6.061	49.862	34	553
13-FH-B	B	745.23	1	1	1	1	1	70	33.604	22.973	11.166	67.743	69	1323
14-FH-B	B	628.09	1	1	1	1	1	70	58.722	24.882	30.438	114.042	134	1437
15-FH-B	B	341.25	1	1	0	1	0	120	62.789	19.849	8.372	91.010	46	800
16-CU-B	B	201.34	1	1	0	1	1	50	8.630	6.870	6.180	21.680	12	268
17-CU-B	B	209.42	0	0	0	1	1	50	11.593	4.223	8.843	24.659	37	343
18-TR-B	B	154.06	1	1	0	1	0	80	20.600	8.217	2.732	31.550	3	176
19-TR-B	B	114.94	0	0	0	1	1	70	3.778	6.740	1.706	12.224	10	176
20-TR-B	B	141.04	1	0	1	1	1	75	11.666	11.872	3.555	27.093	8	288
21-CT-B	B	134.50	0	0	1	1	0	130	3.032	2.944	2.491	8.466	5	115
22-CT-B	B	20.81	0	1	1	0	1	22	0.000	0.994	0.478	1.472	7	28
23-CT-B	B	127.32	0	0	1	1	0	100	5.595	15.086	3.345	24.025	5	308
24-RC-B	B	354.03	0	1	1	0	1	80	44.502	23.018	11.777	79.297	22	543
25-RC-B	B	99.16	0	0	0	1	1	65	3.110	1.858	2.244	7.212	4	161
26-RC-B	B	340.79	1	0	1	1	1	70	40.261	12.073	7.566	59.899	34	487

Table S8. Relations between morphological parameters of studied stools. Ratios between area of roots (SAR) and dry weight of roots. Ratio between area of roots (SAR) and stump area (SA). V is good (G) or bad (B) stool vigour.

Stool	V	SA (cm ²)	SAR (cm ²)	SAR/TWR (cm ² /kg)	SAR/PR2 (cm ² /kg)	SAR/RW2-7 (cm ² /kg)	SAR/RW7 (cm ² /kg)	SAR/SA (cm ² /cm ²)
1-GU-G	G	406.38	586	9.239	55.503	24.665	20.130	1.442
2-GU-G	G	519.53	929	8.598	46.705	18.814	23.958	1.788
3-GU-G	G	658.98	1162	4.463	36.535	11.516	9.100	1.763
4-GU-G	G	717.46	797	9.586	32.685	21.984	35.413	1.111
5-GU-G	G	196.77	326	8.545	24.783	38.471	19.734	1.657
6-GU-G	G	648.94	900	10.455	39.221	28.304	28.716	1.387
7-BG-G	G	413.15	1350	13.204	98.952	65.550	19.853	3.268
8-BG-G	G	376.63	480	11.216	141.509	55.730	15.589	1.274
9-BG-G	G	746.18	1578	10.749	69.706	46.635	17.469	2.115
10-MB-G	G	239.68	443	10.809	60.519	48.431	18.068	1.848
11-MB-G	G	387.20	618	12.131	81.530	45.609	20.728	1.596
12-MB-G	G	255.11	645	13.787	63.050	55.204	25.936	2.528
13-FH-G	G	459.46	678	16.007	44.293	62.766	41.728	1.476
14-FH-G	G	763.07	2071	11.376	43.995	65.865	20.002	2.714
15-FH-G	G	367.98	577	16.879	70.254	73.112	31.915	1.568
16-CU-G	G	162.58	396	12.766	36.350	53.133	31.245	2.436
17-CU-G	G	262.19	430	8.331	29.158	40.052	16.455	1.640
18-TR-G	G	172.07	176	2.506	20.413	8.089	4.417	1.023
19-TR-G	G	66.00	147	15.560	101.519	37.319	36.198	2.227
20-TR-G	G	152.66	290	13.750	137.441	37.756	25.664	1.900
21-CT-G	G	160.43	184	6.304	25.832	32.543	11.213	1.147
22-CT-G	G	75.70	188	40.248	467.662	118.165	70.228	2.483
23-CT-G	G	374.53	676	20.228	185.003	59.633	36.679	1.805
24-RC-G	G	340.36	615	7.940	47.268	32.095	13.580	1.807
25-RC-G	G	102.88	247	22.220	143.856	55.731	49.728	2.401
26-RC-G	G	236.38	809	18.056	85.645	73.372	33.247	3.422
1-GU-B	B	383.44	433	7.505	64.511	46.816	10.375	1.129
2-GU-B	B	444.05	455	3.879	31.959	14.980	6.260	1.025
3-GU-B	B	658.98	770	3.087	37.679	9.543	5.191	1.168
4-GU-B	B	329.77	1003	6.153	61.391	15.127	12.480	3.042
5-GU-B	B	159.22	225	12.187	37.135	38.633	34.205	1.413
6-GU-B	B	516.27	414	6.871	46.329	20.218	13.424	0.802
7-BG-B	B	371.52	1248	8.644	68.447	35.050	13.783	3.359
8-BG-B	B	109.17	135	10.936	85.660	28.125	22.617	1.237
9-BG-B	B	503.89	1098	9.119	65.847	39.177	14.504	2.179
10-MB-B	B	209.42	313	9.402	25.487	45.474	22.153	1.495
11-MB-B	B	227.77	618	26.929	200.000	130.023	40.911	2.713
12-MB-B	B	322.17	553	11.091	91.239	57.670	16.164	1.716
13-FH-B	B	745.23	1323	19.530	118.485	57.589	39.370	1.775
14-FH-B	B	628.09	1437	12.601	47.211	57.753	24.471	2.288
15-FH-B	B	341.25	800	8.790	95.557	40.304	12.741	2.344
16-CU-B	B	201.34	268	12.362	43.366	39.010	31.054	1.331
17-CU-B	B	209.42	343	13.910	38.788	81.222	29.587	1.638
18-TR-B	B	154.06	176	5.578	64.422	21.419	8.544	1.142
19-TR-B	B	114.94	176	14.398	103.165	26.113	46.585	1.531
20-TR-B	B	141.04	288	10.630	81.013	24.259	24.687	2.042
21-CT-B	B	134.50	115	13.584	46.166	39.063	37.929	0.855
22-CT-B	B	20.81	28	19.022	58.577	28.169	0.000	1.346
23-CT-B	B	127.32	308	12.820	92.078	20.416	55.049	2.419
24-RC-B	B	354.03	543	6.848	46.107	23.590	12.202	1.534
25-RC-B	B	99.16	161	22.324	71.747	86.652	51.768	1.624
26-RC-B	B	340.79	487	8.130	64.367	40.338	12.096	1.429

Table S8bis. Relations between morphological parameters of studied stools. Ratios between area of roots (SAR) and dry aerial weights (cm²/kg): SAR/TAW; SAR/WAP; SAR/WAP+2; SAR/WAP-2; SAR/LW. (Table S5). Ratio between area of roots (SAR) and total leaf area per stool (TLA): SAR/TLA (Table S6). V is good (G) or bad (B) stool vigour.

Stool	V	SAR/TAW (cm ² /kg)	SAR/WAP (cm ² /kg)	SAR/WAP+2 (cm ² /kg)	SAR/WAP-2 (cm ² /kg)	SAR/LW (cm ² /kg)	SAR/TLA (cm ² /m ²)
1-GU-G	G	6.35	6.76	7.92	46.07	104.09	26.54
2-GU-G	G	3.06	3.38	3.98	22.58	31.71	8.09
3-GU-G	G	2.52	2.72	3.07	23.52	34.30	8.75
4-GU-G	G	7.07	7.81	9.70	39.93	75.05	19.14
5-GU-G	G	14.21	16.15	21.88	61.74	118.12	30.13
6-GU-G	G	6.48	7.20	8.55	45.34	65.17	16.62
7-BG-G	G	15.51	17.23	21.75	82.97	155.53	39.66
8-BG-G	G	7.20	7.87	10.45	31.94	83.48	21.29
9-BG-G	G	10.31	11.59	14.10	65.23	92.77	23.65
10-MB-G	G	6.25	6.69	8.43	32.55	94.26	24.04
11-MB-G	G	5.23	5.50	6.65	31.82	108.04	27.55
12-MB-G	G	13.21	15.53	24.26	43.14	88.48	22.56
13-FH-G	G	9.58	10.23	12.81	50.82	151.00	38.50
14-FH-G	G	14.97	17.25	22.11	78.48	113.11	28.84
15-FH-G	G	8.50	9.26	14.59	25.36	103.04	26.28
16-CU-G	G	11.53	12.23	13.99	97.30	201.02	51.23
17-CU-G	G	4.41	4.86	6.11	23.82	47.94	12.22
18-TR-G	G	2.98	3.25	4.23	14.08	34.85	8.89
19-TR-G	G	13.50	14.97	23.04	42.73	137.38	35.00
20-TR-G	G	10.77	11.30	15.03	45.45	230.16	58.70
21-CT-G	G	4.83	5.47	6.64	31.13	41.53	10.59
22-CT-G	G	16.92	18.06	42.53	31.39	268.57	68.36
23-CT-G	G	6.28	6.61	8.20	34.04	127.79	32.58
24-RC-G	G	5.90	6.26	7.77	32.06	103.36	26.36
25-RC-G	G	14.49	16.93	25.36	50.93	100.41	25.60
26-RC-G	G	15.72	17.07	20.80	95.18	198.77	50.69
1-GU-B	B	7.29	7.55	8.96	48.06	211.22	53.86
2-GU-B	B	5.45	5.52	5.68	203.13	450.50	114.90
3-GU-B	B	3.52	3.60	3.82	60.92	162.11	41.33
4-GU-B	B	15.37	16.51	21.68	69.22	221.90	56.57
5-GU-B	B	14.79	15.08	20.09	60.48	775.86	197.37
6-GU-B	B	5.97	6.43	8.06	31.97	83.30	21.24
7-BG-B	B	19.66	20.74	28.34	77.32	375.90	95.85
8-BG-B	B	8.58	9.15	11.90	39.59	136.36	34.79
9-BG-B	B	11.92	12.60	17.16	47.47	219.60	55.99
10-MB-B	B	4.73	5.05	6.59	21.59	74.52	19.00
11-MB-B	B	8.64	9.30	11.37	51.20	120.94	30.84
12-MB-B	B	9.83	10.94	15.77	35.72	97.19	24.79
13-FH-B	B	12.45	13.13	15.40	88.85	242.31	61.79
14-FH-B	B	13.44	15.22	19.85	65.29	114.87	29.29
15-FH-B	B	18.44	20.76	31.91	59.44	164.95	42.06
16-CU-B	B	8.06	8.61	10.39	50.28	125.23	31.94
17-CU-B	B	5.10	5.63	7.17	26.22	53.68	13.69
18-TR-B	B	6.82	6.99	7.79	67.69	283.87	72.43
19-TR-B	B	12.52	13.45	18.11	52.23	181.44	46.32
20-TR-B	B	11.56	12.22	15.15	63.16	214.93	54.86
21-CT-B	B	6.21	6.50	8.51	27.51	136.90	34.95
22-CT-B	B	10.26	11.16	41.18	15.30	127.27	32.56
23-CT-B	B	12.08	13.00	16.05	68.29	172.07	43.87
24-RC-B	B	6.10	6.24	7.46	38.40	259.81	66.22
25-RC-B	B	10.94	12.04	17.77	37.35	120.15	30.67
26-RC-B	B	7.12	7.50	9.67	33.49	138.35	35.29

Table S9. Dry weight (kg), by fractions, of aerial and below-ground biomass. V is good (G) or bad (B) stool vigour.

Stool	V	Absolute values (kg)									
		Aerial part > 7 cm (WAP7)	Aerial part 7 - 2 cm (WAP2-7)	Aerial part < 2 cm (WAP2)	Leafs (LW)	Total aerial part (WAT)	Roots > 7 cm (RW7)	Roots 2-7 cm (RW2-7)	Roots < 2 cm (RW2)	Total of roots (TWR)	Total weight (TW)
1-GU-G	G	47.6	26.4	12.7	5.6	92.3	29.1	23.8	10.6	63.5	155.8
2-GU-G	G	154.2	79.4	41.2	29.3	304.1	38.8	49.4	19.9	108.1	412.2
3-GU-G	G	249.3	129	49.4	33.9	461.6	127.7	100.9	31.8	260.4	722
4-GU-G	G	19.4	62.7	20	10.6	112.7	22.5	36.3	24.4	83.2	195.9
5-GU-G	G	0.0	14.9	5.3	2.8	23	16.5	8.5	13.2	38.2	61.2
6-GU-G	G	54.5	50.7	19.8	13.9	138.9	31.4	31.8	22.9	86.1	225
7-BG-G	G	30.2	31.8	16.3	8.7	87	68	20.6	13.6	102.2	189.2
8-BG-G	G	12.6	33.3	15	5.8	66.7	30.8	8.6	3.4	42.8	109.5
9-BG-G	G	45.2	66.7	24.2	17	153.1	90.3	33.9	22.6	146.8	299.9
10-MB-G	G	30.0	22.6	13.6	4.7	70.9	24.5	9.2	7.3	41	111.9
11-MB-G	G	43.3	49.7	19.4	5.7	118.1	29.8	13.5	7.6	50.9	169
12-MB-G	G	4.2	22.4	14.9	7.3	48.8	24.9	11.7	10.2	46.8	95.6
13-FH-G	G	23.5	29.4	13.3	4.5	70.7	16.3	10.8	15.3	42.4	113.1
14-FH-G	G	31.9	61.7	26.4	18.3	138.3	103.5	31.4	47.1	182	320.3
15-FH-G	G	9.5	30.1	22.8	5.6	68	18.1	7.9	8.2	34.2	102.2
16-CU-G	G	17.8	10.5	4.1	2	34.4	12.7	7.5	10.9	31.1	65.5
17-CU-G	G	54.8	15.6	18.1	9	97.5	26.1	10.7	14.8	51.6	149.1
18-TR-G	G	23.4	18.2	12.5	5.1	59.2	39.8	21.8	8.6	70.2	129.4
19-TR-G	G	2.2	4.2	3.4	1.1	10.9	4.1	3.9	1.5	9.5	20.4
20-TR-G	G	9.8	9.5	6.4	1.3	27	11.3	7.7	2.1	21.1	48.1
21-CT-G	G	15.3	12.4	5.9	4.4	38	16.4	5.6	7.2	29.2	67.2
22-CT-G	G	0.8	3.6	6	0.7	11.1	2.7	1.6	0.4	4.7	15.8
23-CT-G	G	54.2	28.2	19.9	5.3	107.6	18.4	11.3	3.7	33.4	141
24-RC-G	G	61.5	17.6	19.2	6	104.3	45.3	19.2	13	77.5	181.8
25-RC-G	G	1.6	8.1	4.9	2.5	17.1	5	4.4	1.7	11.1	28.2
26-RC-G	G	29.1	9.8	8.5	4.1	51.5	24.3	11	9.5	44.8	96.3
1-GU-B	B	28.2	20.1	9	2.1	59.4	41.7	9.3	6.7	57.7	117.1
2-GU-B	B	60.9	19.3	2.2	1	83.4	72.7	30.4	14.2	117.3	200.7
3-GU-B	B	166.5	34.8	12.6	4.8	218.7	148.3	80.7	20.4	249.4	468.1
4-GU-B	B	11.0	35.3	14.5	4.5	65.3	80.4	66.3	16.3	163	228.3
5-GU-B	B	0.0	11.2	3.7	0.3	15.2	6.6	5.8	6.1	18.5	33.7
6-GU-B	B	14.4	37	13	5	69.4	30.8	20.5	8.9	60.2	129.6
7-BG-B	B	13.1	30.9	16.1	3.4	63.5	90.6	35.6	18.2	144.4	207.9
8-BG-B	B	2.2	9.1	3.4	1	15.7	6	4.8	1.6	12.4	28.1
9-BG-B	B	27.6	36.4	23.1	5	92.1	75.7	28	16.7	120.4	212.5
10-MB-B	B	26.9	20.6	14.5	4.2	66.2	14.1	6.9	12.3	33.3	99.5
11-MB-B	B	32.1	22.3	12.1	5.1	71.6	15.1	4.8	3.1	23	94.6
12-MB-B	B	10.9	24.2	15.5	5.7	56.3	34.2	9.6	6.1	49.9	106.2
13-FH-B	B	47.1	38.8	14.9	5.5	106.3	33.6	23	11.2	67.8	174.1
14-FH-B	B	23.9	48.5	22	12.5	106.9	58.7	24.9	30.4	114	220.9
15-FH-B	B	9.9	15.2	13.5	4.9	43.5	62.8	19.9	8.4	91.1	134.6
16-CU-B	B	17.0	8.8	5.3	2.1	33.2	8.6	6.9	6.2	21.7	54.9
17-CU-B	B	26.5	21.3	13.1	6.4	67.3	11.6	4.2	8.8	24.6	91.9
18-TR-B	B	16.8	5.8	2.6	0.6	25.8	20.6	8.2	2.7	31.5	57.3
19-TR-B	B	3.9	5.8	3.4	1	14.1	3.8	6.7	1.7	12.2	26.3
20-TR-B	B	12.7	6.4	4.6	1.3	25	11.7	11.9	3.5	27.1	52.1
21-CT-B	B	5.6	8	4.2	0.8	18.6	3	2.9	2.5	8.4	27
22-CT-B	B	0.0	0.7	1.8	0.2	2.7	0	1	0.5	1.5	4.2
23-CT-B	B	10.9	8.3	4.5	1.8	25.5	5.6	15.1	3.3	24	49.5
24-RC-B	B	56.5	16.3	14.1	2.1	89	44.5	23	11.8	79.3	168.3
25-RC-B	B	5.2	3.9	4.3	1.3	14.7	3.1	1.9	2.2	7.2	21.9
26-RC-B	B	37.1	13.3	14.5	3.5	68.4	40.3	12.1	7.6	60	128.4

Table S10. Dry weight (%), by fractions, of aerial and below-ground biomass. V is good (G) or bad (B) stool vigour.

		Relative values (%) over TW									
Stool	V	Aerial part > 7 cm (WAP7)	Aerial part 7 - 2 cm (WAP2-7)	Aerial part < 2 cm (WAP2)	Leafs (LW)	Total aerial part (WAT)	Roots > 7 cm (RW7)	Roots 2-7 cm (RW2-7)	Roots < 2 cm (RW2)	Total of roots (TWR)	Total weight (TW)
1-GU-G	G	30.55	16.94	8.15	3.59	59.24	18.68	15.28	6.80	40.76	100.00
2-GU-G	G	37.41	19.26	10.00	7.11	73.77	9.41	11.98	4.83	26.23	100.00
3-GU-G	G	34.53	17.87	6.84	4.70	63.93	17.69	13.98	4.40	36.07	100.00
4-GU-G	G	9.90	32.01	10.21	5.41	57.53	11.49	18.53	12.46	42.47	100.00
5-GU-G	G	0.00	24.35	8.66	4.58	37.58	26.96	13.89	21.57	62.42	100.00
6-GU-G	G	24.22	22.53	8.80	6.18	61.73	13.96	14.13	10.18	38.27	100.00
7-BG-G	G	15.96	16.81	8.62	4.60	45.98	35.94	10.89	7.19	54.02	100.00
8-BG-G	G	11.51	30.41	13.70	5.30	60.91	28.13	7.85	3.11	39.09	100.00
9-BG-G	G	15.07	22.24	8.07	5.67	51.05	30.11	11.30	7.54	48.95	100.00
10-MB-G	G	26.81	20.20	12.15	4.20	63.36	21.89	8.22	6.52	36.64	100.00
11-MB-G	G	25.62	29.41	11.48	3.37	69.88	17.63	7.99	4.50	30.12	100.00
12-MB-G	G	4.39	23.43	15.59	7.64	51.05	26.05	12.24	10.67	48.95	100.00
13-FH-G	G	20.78	25.99	11.76	3.98	62.51	14.41	9.55	13.53	37.49	100.00
14-FH-G	G	9.96	19.26	8.24	5.71	43.18	32.31	9.80	14.70	56.82	100.00
15-FH-G	G	9.30	29.45	22.31	5.48	66.54	17.71	7.73	8.02	33.46	100.00
16-CU-G	G	27.18	16.03	6.26	3.05	52.52	19.39	11.45	16.64	47.48	100.00
17-CU-G	G	36.75	10.46	12.14	6.04	65.39	17.51	7.18	9.93	34.61	100.00
18-TR-G	G	18.08	14.06	9.66	3.94	45.75	30.76	16.85	6.65	54.25	100.00
19-TR-G	G	10.78	20.59	16.67	5.39	53.43	20.10	19.12	7.35	46.57	100.00
20-TR-G	G	20.37	19.75	13.31	2.70	56.13	23.49	16.01	4.37	43.87	100.00
21-CT-G	G	22.77	18.45	8.78	6.55	56.55	24.40	8.33	10.71	43.45	100.00
22-CT-G	G	5.06	22.78	37.97	4.43	70.25	17.09	10.13	2.53	29.75	100.00
23-CT-G	G	38.44	20.00	14.11	3.76	76.31	13.05	8.01	2.62	23.69	100.00
24-RC-G	G	33.83	9.68	10.56	3.30	57.37	24.92	10.56	7.15	42.63	100.00
25-RC-G	G	5.67	28.72	17.38	8.87	60.64	17.73	15.60	6.03	39.36	100.00
26-RC-G	G	30.22	10.18	8.83	4.26	53.48	25.23	11.42	9.87	46.52	100.00
1-GU-B	B	24.08	17.16	7.69	1.79	50.73	35.61	7.94	5.72	49.27	100.00
2-GU-B	B	30.34	9.62	1.10	0.50	41.55	36.22	15.15	7.08	58.45	100.00
3-GU-B	B	35.57	7.43	2.69	1.03	46.72	31.68	17.24	4.36	53.28	100.00
4-GU-B	B	4.82	15.46	6.35	1.97	28.60	35.22	29.04	7.14	71.40	100.00
5-GU-B	B	0.00	33.23	10.98	0.89	45.10	19.58	17.21	18.10	54.90	100.00
6-GU-B	B	11.11	28.55	10.03	3.86	53.55	23.77	15.82	6.87	46.45	100.00
7-BG-B	B	6.30	14.86	7.74	1.64	30.54	43.58	17.12	8.75	69.46	100.00
8-BG-B	B	7.83	32.38	12.10	3.56	55.87	21.35	17.08	5.69	44.13	100.00
9-BG-B	B	12.99	17.13	10.87	2.35	43.34	35.62	13.18	7.86	56.66	100.00
10-MB-B	B	27.04	20.70	14.57	4.22	66.53	14.17	6.93	12.36	33.47	100.00
11-MB-B	B	33.93	23.57	12.79	5.39	75.69	15.96	5.07	3.28	24.31	100.00
12-MB-B	B	10.26	22.79	14.60	5.37	53.01	32.20	9.04	5.74	46.99	100.00
13-FH-B	B	27.05	22.29	8.56	3.16	61.06	19.30	13.21	6.43	38.94	100.00
14-FH-B	B	10.82	21.96	9.96	5.66	48.39	26.57	11.27	13.76	51.61	100.00
15-FH-B	B	7.36	11.29	10.03	3.64	32.32	46.66	14.78	6.24	67.68	100.00
16-CU-B	B	30.97	16.03	9.65	3.83	60.47	15.66	12.57	11.29	39.53	100.00
17-CU-B	B	28.84	23.18	14.25	6.96	73.23	12.62	4.57	9.58	26.77	100.00
18-TR-B	B	29.32	10.12	4.54	1.05	45.03	35.95	14.31	4.71	54.97	100.00
19-TR-B	B	14.83	22.05	12.93	3.80	53.61	14.45	25.48	6.46	46.39	100.00
20-TR-B	B	24.38	12.28	8.83	2.50	47.98	22.46	22.84	6.72	52.02	100.00
21-CT-B	B	20.74	29.63	15.56	2.96	68.89	11.11	10.74	9.26	31.11	100.00
22-CT-B	B	0.00	16.67	42.86	4.76	64.29	0.00	23.81	11.90	35.71	100.00
23-CT-B	B	22.02	16.77	9.09	3.64	51.52	11.31	30.51	6.67	48.48	100.00
24-RC-B	B	33.57	9.69	8.38	1.25	52.88	26.44	13.67	7.01	47.12	100.00
25-RC-B	B	23.74	17.81	19.63	5.94	67.12	14.16	8.68	10.05	32.88	100.00
26-RC-B	B	28.89	10.36	11.29	2.73	53.27	31.39	9.42	5.92	46.73	100.00