

Sup. file.1: Statistical analysis – water potential and relative leaf water potential in 2017 and 2018.

relative leaf water content						water potential					
2017	Kruskal-Wallis test		Post-Test Dunn's multiple comparison Test			2017	Kruskal-Wallis test		Post-Test Dunn's multiple comparison Test		
	rob-pet-ilx		rob-pet	rob-ilx	ilx-pet		rob-pet-ilx		rob-pet	rob-ilx	ilx-pet
DS		P-value	significant p < 0.05			DS		P-value	significant p < 0.05		
Jun 19	**	0.0097	*	*	ns	Jun 19	ns	0,1192	ns	ns	ns
Jul 06	ns	0.1805	ns	ns	ns	Jul 06	ns	0,9273	ns	ns	ns
Aug 03	**	0.003	*	ns	ns	Aug 03	ns	0,6872	ns	ns	ns
Sep 05	ns	0.0799	ns	ns	ns	Sep 05	ns	0,1899	ns	ns	ns
Sep 09	*	0.0238	ns	*	ns	Sep 09	ns	0,2536	ns	ns	ns
CO		P-value	significant p < 0.05			CO		P-value	significant p < 0.05		
Jun 19	****	< 0.0001	ns	*	ns	Jun 19	ns	0,1192	ns	ns	ns
Jul 06	**	0.0014	ns	*	ns	Jul 06	ns	0,6661	ns	ns	ns
Aug 03	*	0.0183	ns	*	ns	Aug 03	ns	0,9072	ns	ns	ns
Sep 05	ns	0.0598	ns	ns	ns	Sep 05	ns	0,7397	ns	ns	ns
Sep 09	ns	0.0828	ns	ns	ns	Sep 09	ns	0,7819	ns	ns	ns
2018	Kruskal-Wallis test		Post-Test Dunn's multiple comparison Test			2018	Kruskal-Wallis test		Post-Test Dunn's multiple comparison Test		
	rob-pet-ilx		rob-pet	rob-ilx	ilx-pet		rob-pet-ilx		rob-pet	rob-ilx	ilx-pet
DS		P-value	significant p < 0.05			DS		P-value	significant p < 0.05		
May 15	***	0.0006	ns	ns	*	May 15	*	0,0282	ns	ns	*
Jul 18	*	0.0195	ns	*	ns	Jul 18	ns	0,2271	ns	ns	ns
Aug 01	****	<0.0001	ns	ns	*	Aug 01	ns	0,2106	ns	ns	ns
Aug 08	****	<0.0001	ns	ns	*	Aug 08	ns	0,8736	ns	ns	ns
Aug 29	ns	0.7963	ns	ns	ns	Aug 29	ns	0,0822	ns	ns	ns
rob-pet (t-Test with Welch's correction)						Sep 16	ns	0,1738	ns	ns	ns
Sep 16			ns			CO		P-value	significant p < 0.05		
CO		P-value	significant p < 0.05			May 15	ns	0,4835	ns	ns	ns
May 15	ns	0.142	ns	ns	ns	Jul 18	*	0,0173	*	ns	ns
Jul 18	ns	0.0534	ns	ns	ns	Aug 01	ns	0,1091	ns	ns	ns
Aug 01	ns	0.0644	ns	ns	ns	Aug 08	ns	0,3764	ns	ns	ns
Aug 08	*	0.0114	ns	ns	*	Aug 29	ns	0,4968	ns	ns	ns
Aug 29	***	0.0008	ns	*	*	Sep 16	ns	0,0783	ns	ns	ns
rob-pet (t-Test with Welch's correction)											
Sep 16			ns								

Sup. file.2: Statistical analysis and raw data– photosynthetic rates in 2017.

photosynthetic rate (P <sub>N</sub> )						
2017	ilx CO	ilx DS	pet CO	pet DS	rob CO	rob DS
<b>JUNE 14</b>	10,86584	8,917265	10,57102	9,11088	4,619853	3,898304
	15,76294	9,986185	6,319925	10,93954	3,259586	5,6465
	12,96953	15,64034	4,993681	10,22201	8,18981	5,911655
	12,08788	16,92207	5,103707	8,135444	5,97747	5,806795
	9,19988	10,25713	8,291541	9,06446	9,0207	5,52276
	14,26843	12,68719	10,19406	7,24477	5,55419	7,806775
<b>P-value</b>	<b>T-test</b>		<b>T-test</b>		<b>T-test</b>	
	0.9414		0.2102		0.6095	
<b>AUG 12</b>	15,43206	16,45179	11,65421	7,88422	6,550467	3,643462
	7,198617	15,68891	9,634112	7,956422	4,578637	2,932866
	15,02235	18,36659	8,132911	7,26704	6,26522	3,472037
	13,37805	18,33616	8,426545	5,182484	7,614157	5,70137
	9,634182	17,25427	14,84155	4,290813	7,043735	5,855493
	12,22108	12,72153	12,21008	7,889004	5,010536	6,185373
<b>P-value</b>	<b>mann-whitney-test</b>		<b>mann-whitney-test</b>		<b>mann-whitney-test</b>	
	0.0152		0.0022		0.0649	

Sup.file.3: Biomass parameters right after planting, respectively before planting.

controll treatment	height [cm]	root collar		root lenght [cm]	drought treatment	height [cm]	root collar		root lenght [cm]
		diameter [cm]	mass [g]				diameter [cm]	mass [g]	
<i>Q. ilex</i>	91	10	123,6	45	<i>Q. ilex</i>	98	10	136,5	50
	135	12	146,9	65		142	14	115,9	49
	79	15	124,3	32		85	12	124,9	39
	78	9	142,5	40		65	14	156,9	80
	100	15	173,2	21		90	11	136,9	35
	57	16	134,1	31		62	15	145,6	35
<i>Q. petraea</i>	99	14	126,3	47	<i>Q. petraea</i>	82	10	113,5	53
	124	16	139,5	41		77	15	99,6	60
	60	14	105,6	37		86	14	150,2	94
	64	12	136,3	43		61	11	124,9	39
	81	13	110,9	69		74	11	109,7	45
	62	14	123,1	80		92	16	146,9	65
<i>Q. robur</i>	85	15	136,9	34	<i>Q. robur</i>	79	14	142,5	38
	70	14	136,8	28		61	11	153,2	20
	73	10	139,1	15		74	9	132,2	30
	78	8	124,3	31		70	10	142,7	28
	76	10	104,9	23		82	8	137,3	17
	66	7	128,8	18		74	8	149,1	15