

Flow Intermittency Affects Leaf Decomposition and Benthic Consumer Communities of Alpine Streams: A Case Study along the Po River

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Supplementary Materials

Table S1. Sampling dates in the three selected sampling reaches along the Po River, indicating instream conditions. T0 = leaf bags deployment; T1-T6 sampling campaigns.

Sampling Site	Date	Sampling Time	Instream Conditions
Crissolo	13 Dec 2018	T0	Flow
	03 Jan 2019	T1	Flow
	24 Jan 2019	T2	Flow
	14 Feb 2019	T3	Flow
	07 Mar 2019	T4	Flow
	29 Mar 2019	T5	Flow
	19 Apr 2019	T6	Flow
Sanfront	13 Dec 2018	T0	Flow
	03 Jan 2019	T1	Flow
	24 Jan 2019	T2	Flow
	14 Feb 2019	T3	Flow
	07 Mar 2019	T4	Flow
	29 Mar 2019	T5	Flow
	19 Apr 2019	T6	Flow
Revello	13 Dec 2018	T0	Flow
	03 Jan 2019	T1	Flow
	24 Jan 2019	T2	Low Flow
	14 Feb 2019	T3	Dry
	07 Mar 2019	T4	Dry
	29 Mar 2019	T5	Dry
	19 Apr 2019	T6	Low Flow

Figure S1. Water temperatures recorded at 6 h intervals and occurrence of dry events in the intermittent reach, based on in-field surveys and water temperatures data.

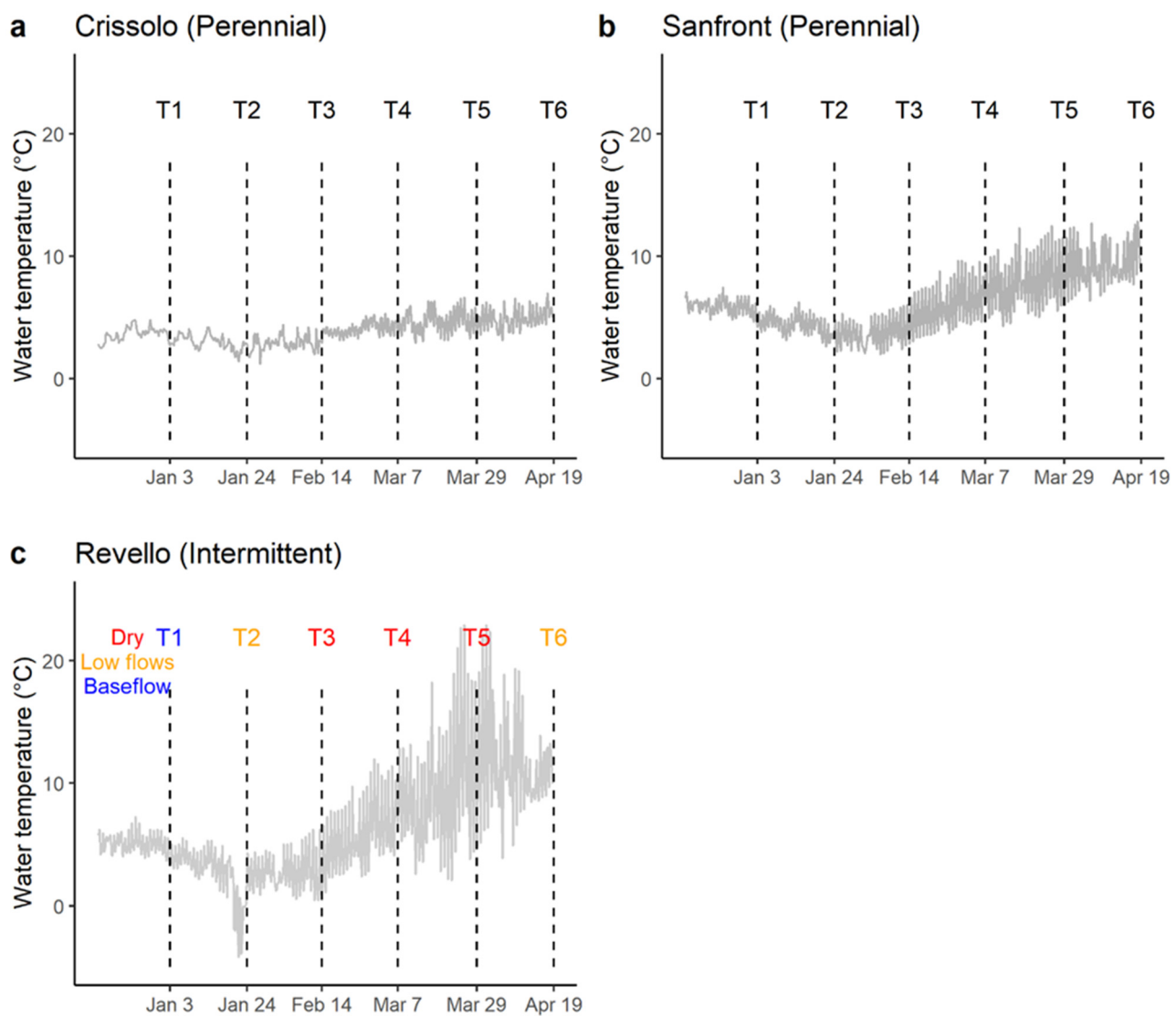


Table S2. Physical and chemical parameters recorded on each sampling date in the three selected sites.

Sampling Reach	Parameter	T1	T2	T3	T4	T5	T6
Crissolo	Water temperature (°C)	3.5	1.3	3.2	4.18	3.9	4.6
	Conductivity ($\mu\text{S cm}^{-1}$)	193	180	191	185	179	193
	Dissolved oxygen (mg L^{-1})	11.7	10.9	11.5	9.9	10.2	9.5
	pH	7.9	7.9	8.3	8.3	8.5	8.3
Sanfront	Water temperature (°C)	5.9	4.9	6.9	8.6	11.1	13.9
	Conductivity ($\mu\text{S cm}^{-1}$)	170	158	165	172	175	166
	Dissolved oxygen (mg L^{-1})	10.9	11.3	9.9	9.8	10.8	9.6
	pH	8.2	7.9	8.8	8.3	8.4	8.6
Revello	Water temperature (°C)	4.4	2.9	dry	dry	dry	13.6
	Conductivity ($\mu\text{S cm}^{-1}$)	140	155	dry	dry	dry	152
	Dissolved oxygen (mg L^{-1})	8.4	12.4	dry	dry	dry	9.2
	pH	8.0	7.6	dry	dry	dry	7.7

Table S3. Tukey test comparisons for oak leaves taxa richness (S). Significance codes: *** ≤ 0.001 ; ** ≤ 0.01 ; * ≤ 0.05 .

Comparison	Estimate	Std. Error	Z Value	p-Value
1CriT2 - 1CriT1	-0.242313	0.169668	-1.428	0.9940
1CriT3 - 1CriT1	-0.051960	0.161219	-0.322	1.0000
1CriT4 - 1CriT1	-0.164755	0.166083	-0.992	0.9999
1CriT5 - 1CriT1	-0.226313	0.176569	-1.282	0.9983
1CriT6 - 1CriT1	-0.477628	0.181842	-2.627	0.4182
2SanT1 - 1CriT1	-0.038715	0.160674	-0.241	1.0000
2SanT2 - 1CriT1	-0.195061	0.167460	-1.165	0.9995
2SanT3 - 1CriT1	-0.551736	0.195702	-2.819	0.2865
2SanT4 - 1CriT1	-0.012739	0.159621	-0.080	1.0000
2SanT5 - 1CriT1	-0.179793	0.166763	-1.078	0.9998
2SanT6 - 1CriT1	-0.459928	0.173787	-2.646	0.4021
3RevT1 - 1CriT1	-0.696317	0.186763	-3.728	0.0218 *
3RevT2 - 1CriT1	-0.608248	0.189510	-3.210	0.1088
3RevT3 - 1CriT1	-0.457425	0.180716	-2.531	0.4902
3RevT4 - 1CriT1	-0.362115	0.175613	-2.062	0.8284
3RevT5 - 1CriT1	-1.191394	0.233077	-5.112	<0.001 ***
3RevT6 - 1CriT1	-1.912712	0.335646	-5.699	<0.001 ***
1CriT3 - 1CriT2	0.190354	0.171646	1.109	0.9997
1CriT4 - 1CriT2	0.077558	0.176223	0.440	1.0000
1CriT5 - 1CriT2	0.016000	0.186139	0.086	1.0000
1CriT6 - 1CriT2	-0.235314	0.191147	-1.231	0.9990
2SanT1 - 1CriT2	0.203599	0.171134	1.190	0.9994
2SanT2 - 1CriT2	0.047253	0.177521	0.266	1.0000
2SanT3 - 1CriT2	-0.309422	0.204377	-1.514	0.9888
2SanT4 - 1CriT2	0.229574	0.170146	1.349	0.9970
2SanT5 - 1CriT2	0.062520	0.176863	0.353	1.0000
2SanT6 - 1CriT2	-0.217615	0.183502	-1.186	0.9994
3RevT1 - 1CriT2	-0.454003	0.195835	-2.318	0.6552
3RevT2 - 1CriT2	-0.365934	0.198456	-1.844	0.9263
3RevT3 - 1CriT2	-0.215111	0.190076	-1.132	0.9997
3RevT4 - 1CriT2	-0.119801	0.185232	-0.647	1.0000
3RevT5 - 1CriT2	-0.949081	0.240407	-3.948	<0.01 **
3RevT6 - 1CriT2	-1.670399	0.340777	-4.902	<0.001 ***
1CriT4 - 1CriT3	-0.112795	0.168103	-0.671	1.0000
1CriT5 - 1CriT3	-0.174353	0.178471	-0.977	1.0000
1CriT6 - 1CriT3	-0.425668	0.183689	-2.317	0.6559
2SanT1 - 1CriT3	0.013245	0.162761	0.081	1.0000
2SanT2 - 1CriT3	-0.143101	0.169464	-0.844	1.0000
2SanT3 - 1CriT3	-0.499776	0.197419	-2.532	0.4909
2SanT4 - 1CriT3	0.039221	0.161722	0.243	1.0000
2SanT5 - 1CriT3	-0.127833	0.168775	-0.757	1.0000
2SanT6 - 1CriT3	-0.407968	0.175719	-2.322	0.6534
3RevT1 - 1CriT3	-0.644357	0.188562	-3.417	0.0577
3RevT2 - 1CriT3	-0.556288	0.191283	-2.908	0.2345
3RevT3 - 1CriT3	-0.405465	0.182574	-2.221	0.7274
3RevT4 - 1CriT3	-0.310155	0.177525	-1.747	0.9535
3RevT5 - 1CriT3	-1.139434	0.234521	-4.859	<0.001 ***
3RevT6 - 1CriT3	-1.860752	0.336650	-5.527	<0.001 ***
1CriT5 - 1CriT4	-0.061558	0.182877	-0.337	1.0000
1CriT6 - 1CriT4	-0.312872	0.187972	-1.664	0.9704
2SanT1 - 1CriT4	0.126041	0.167581	0.752	1.0000
2SanT2 - 1CriT4	-0.030305	0.174098	-0.174	1.0000

2SanT3 - 1CriT4	-0.386980	0.201411	-1.921	0.8979
2SanT4 - 1CriT4	0.152016	0.166571	0.913	1.0000
2SanT5 - 1CriT4	-0.015038	0.173427	-0.087	1.0000
2SanT6 - 1CriT4	-0.295173	0.180192	-1.638	0.9750
3RevT1 - 1CriT4	-0.531562	0.192737	-2.758	0.3286
3RevT2 - 1CriT4	-0.443493	0.195400	-2.270	0.6907
3RevT3 - 1CriT4	-0.292670	0.186883	-1.566	0.9840
3RevT4 - 1CriT4	-0.197359	0.181954	-1.085	0.9998
3RevT5 - 1CriT4	-1.026639	0.237891	-4.316	<0.01 **
3RevT6 - 1CriT4	-1.747957	0.339006	-5.156	<0.001 ***
1CriT6 - 1CriT5	-0.251314	0.197298	-1.274	0.9985
2SanT1 - 1CriT5	0.187599	0.177979	1.054	0.9999
2SanT2 - 1CriT5	0.031253	0.184128	0.170	1.0000
2SanT3 - 1CriT5	-0.325422	0.210142	-1.549	0.9858
2SanT4 - 1CriT5	0.213574	0.177028	1.206	0.9992
2SanT5 - 1CriT5	0.046520	0.183494	0.254	1.0000
2SanT6 - 1CriT5	-0.233615	0.189901	-1.230	0.9990
3RevT1 - 1CriT5	-0.470004	0.201843	-2.329	0.6486
3RevT2 - 1CriT5	-0.381935	0.204388	-1.869	0.9181
3RevT3 - 1CriT5	-0.231112	0.196261	-1.178	0.9994
3RevT4 - 1CriT5	-0.135802	0.191573	-0.709	1.0000
3RevT5 - 1CriT5	-0.965081	0.245327	-3.934	<0.01 **
3RevT6 - 1CriT5	-1.686399	0.344265	-4.899	<0.001 ***
2SanT1 - 1CriT6	0.438913	0.183210	2.396	0.5967
2SanT2 - 1CriT6	0.282567	0.189190	1.494	0.9904
2SanT3 - 1CriT6	-0.074108	0.214591	-0.345	1.0000
2SanT4 - 1CriT6	0.464889	0.182287	2.550	0.4752
2SanT5 - 1CriT6	0.297834	0.188573	1.579	0.9825
2SanT6 - 1CriT6	0.017700	0.194813	0.091	1.0000
3RevT1 - 1CriT6	-0.218689	0.206471	-1.059	0.9999
3RevT2 - 1CriT6	-0.130620	0.208959	-0.625	1.0000
3RevT3 - 1CriT6	0.020203	0.201018	0.101	1.0000
3RevT4 - 1CriT6	0.115513	0.196443	0.588	1.0000
3RevT5 - 1CriT6	-0.713766	0.249148	-2.865	0.2626
3RevT6 - 1CriT6	-1.435085	0.346999	-4.136	<0.01 **
2SanT2 - 2SanT1	-0.156346	0.168945	-0.925	1.0000
2SanT3 - 2SanT1	-0.513021	0.196974	-2.605	0.4336
2SanT4 - 2SanT1	0.025975	0.161178	0.161	1.0000
2SanT5 - 2SanT1	-0.141079	0.168254	-0.838	1.0000
2SanT6 - 2SanT1	-0.421213	0.175219	-2.404	0.5898
3RevT1 - 2SanT1	-0.657602	0.188096	-3.496	0.0454 *
3RevT2 - 2SanT1	-0.569533	0.190824	-2.985	0.1961
3RevT3 - 2SanT1	-0.418710	0.182093	-2.299	0.6697
3RevT4 - 2SanT1	-0.323400	0.177030	-1.827	0.9321
3RevT5 - 2SanT1	-1.152680	0.234146	-4.923	<0.001 ***
3RevT6 - 2SanT1	-1.873998	0.336389	-5.571	<0.001 ***
2SanT3 - 2SanT2	-0.356675	0.202548	-1.761	0.9503
2SanT4 - 2SanT2	0.182322	0.167944	1.086	0.9998
2SanT5 - 2SanT2	0.015267	0.174746	0.087	1.0000
2SanT6 - 2SanT2	-0.264867	0.181462	-1.460	0.9925
3RevT1 - 2SanT2	-0.501256	0.193925	-2.585	0.4500
3RevT2 - 2SanT2	-0.413187	0.196572	-2.102	0.8051
3RevT3 - 2SanT2	-0.262364	0.188108	-1.395	0.9955
3RevT4 - 2SanT2	-0.167054	0.183211	-0.912	1.0000
3RevT5 - 2SanT2	-0.996333	0.238854	-4.171	<0.01 **
3RevT6 - 2SanT2	-1.717651	0.339683	-5.057	<0.001 ***

2SanT4 - 2SanT3	0.538997	0.196116	2.748	0.3341
2SanT5 - 2SanT3	0.371942	0.201972	1.842	0.9268
2SanT6 - 2SanT3	0.091808	0.207810	0.442	1.0000
3RevT1 - 2SanT3	-0.144581	0.218777	-0.661	1.0000
3RevT2 - 2SanT3	-0.056512	0.221126	-0.256	1.0000
3RevT3 - 2SanT3	0.094311	0.213638	0.441	1.0000
3RevT4 - 2SanT3	0.189621	0.209339	0.906	1.0000
3RevT5 - 2SanT3	-0.639658	0.259437	-2.466	0.5409
3RevT6 - 2SanT3	-1.360977	0.354459	-3.840	0.0140 *
2SanT5 - 2SanT4	-0.167054	0.167248	-0.999	0.9999
2SanT6 - 2SanT4	-0.447189	0.174254	-2.566	0.4640
3RevT1 - 2SanT4	-0.683578	0.187197	-3.652	0.0273 *
3RevT2 - 2SanT4	-0.595509	0.189938	-3.135	0.1332
3RevT3 - 2SanT4	-0.444686	0.181164	-2.455	0.5500
3RevT4 - 2SanT4	-0.349376	0.176075	-1.984	0.8695
3RevT5 - 2SanT4	-1.178655	0.233425	-5.049	<0.001 ***
3RevT6 - 2SanT4	-1.899973	0.335888	-5.657	<0.001 ***
3RevT1 - 2SanT5	-0.516524	0.193323	-2.672	0.3859
3RevT2 - 2SanT5	-0.428455	0.195978	-2.186	0.7511
3RevT3 - 2SanT5	-0.277632	0.187487	-1.481	0.9911
3RevT4 - 2SanT5	-0.182322	0.182574	-0.999	0.9999
3RevT5 - 2SanT5	-1.011601	0.238366	-4.244	<0.01 **
3RevT6 - 2SanT5	-1.732919	0.339340	-5.107	<0.001 ***
3RevT1 - 2SanT6	-0.236389	0.199414	-1.185	0.9994
3RevT2 - 2SanT6	-0.148320	0.201989	-0.734	1.0000
3RevT3 - 2SanT6	0.002503	0.193762	0.013	1.0000
3RevT4 - 2SanT6	0.097813	0.189012	0.517	1.0000
3RevT5 - 2SanT6	-0.731466	0.243332	-3.006	0.1868
3RevT6 - 2SanT6	-1.452784	0.342847	-4.237	<0.01 **
3RevT2 - 3RevT1	0.088069	0.213256	0.413	1.0000
3RevT3 - 3RevT1	0.238892	0.205480	1.163	0.9995
3RevT4 - 3RevT1	0.334202	0.201008	1.663	0.9707
3RevT5 - 3RevT1	-0.495077	0.252763	-1.959	0.8818
3RevT6 - 3RevT1	-1.216395	0.349603	-3.479	0.0486 *
3RevT3 - 3RevT2	0.150823	0.207980	0.725	1.0000
3RevT4 - 3RevT2	0.246133	0.203562	1.209	0.9992
3RevT5 - 3RevT2	-0.583146	0.254799	-2.289	0.6770
3RevT6 - 3RevT2	-1.304464	0.351078	-3.716	0.0215 *
3RevT4 - 3RevT3	0.095310	0.195402	0.488	1.0000
3RevT5 - 3RevT3	-0.733969	0.248328	-2.956	0.2120
3RevT6 - 3RevT3	-1.455287	0.346410	-4.201	<0.01 **
3RevT5 - 3RevT4	-0.829279	0.244639	-3.390	0.0642
3RevT6 - 3RevT4	-1.550597	0.343776	-4.510	<0.001 ***
3RevT6 - 3RevT5	-0.721318	0.376386	-1.916	0.9005

Table S4. Tukey test comparisons for oak leaves total abundance (N). Significance codes: *** ≤ 0.001 ; ** ≤ 0.01 ; * ≤ 0.05 .

Comparison	Estimate	Std. Error	Z Value	p-Value
1CriT2 - 1CriT1	-0.429107	0.308835	-1.389	0.9960
1CriT3 - 1CriT1	0.598460	0.303820	1.970	0.8825
1CriT4 - 1CriT1	-0.018868	0.306217	-0.062	1.0000
1CriT5 - 1CriT1	0.439494	0.316585	1.388	0.9961
1CriT6 - 1CriT1	0.840600	0.303214	2.772	0.3286
2SanT1 - 1CriT1	0.009302	0.306073	0.030	1.0000
2SanT2 - 1CriT1	-0.282503	0.307777	-0.918	1.0000
2SanT3 - 1CriT1	0.166535	0.317744	0.524	1.0000
2SanT4 - 1CriT1	0.811968	0.303278	2.677	0.3916
2SanT5 - 1CriT1	0.275931	0.304891	0.905	1.0000
2SanT6 - 1CriT1	0.529574	0.294503	1.798	0.9442
3RevT1 - 1CriT1	-0.441141	0.298939	-1.476	0.9921
3RevT2 - 1CriT1	-0.524417	0.309609	-1.694	0.9676
3RevT3 - 1CriT1	-0.760806	0.311867	-2.440	0.5747
3RevT4 - 1CriT1	0.501436	0.304107	1.649	0.9750
3RevT5 - 1CriT1	-2.370244	0.352034	-6.733	<0.001 ***
3RevT6 - 1CriT1	-2.359194	0.369250	-6.389	<0.001 ***
1CriT3 - 1CriT2	1.027567	0.306555	3.352	0.0754
1CriT4 - 1CriT2	0.410238	0.308931	1.328	0.9977
1CriT5 - 1CriT2	0.868600	0.319211	2.721	0.3623
1CriT6 - 1CriT2	1.269707	0.305954	4.150	<0.01 **
2SanT1 - 1CriT2	0.438409	0.308788	1.420	0.9949
2SanT2 - 1CriT2	0.146603	0.310477	0.472	1.0000
2SanT3 - 1CriT2	0.595642	0.320360	1.859	0.9260
2SanT4 - 1CriT2	1.241075	0.306018	4.056	<0.01 **
2SanT5 - 1CriT2	0.705038	0.307616	2.292	0.6857
2SanT6 - 1CriT2	0.958681	0.297324	3.224	0.1096
3RevT1 - 1CriT2	-0.012034	0.301718	-0.040	1.0000
3RevT2 - 1CriT2	-0.095310	0.312293	-0.305	1.0000
3RevT3 - 1CriT2	-0.331699	0.314532	-1.055	0.9999
3RevT4 - 1CriT2	0.930543	0.306840	3.033	0.1844
3RevT5 - 1CriT2	-1.941137	0.354397	-5.477	<0.001 ***
3RevT6 - 1CriT2	-1.930087	0.371504	-5.195	<0.001 ***
1CriT4 - 1CriT3	-0.617328	0.303918	-2.031	0.8527
1CriT5 - 1CriT3	-0.158966	0.314362	-0.506	1.0000
1CriT6 - 1CriT3	0.242140	0.300891	0.805	1.0000
2SanT1 - 1CriT3	-0.589157	0.303773	-1.939	0.8952
2SanT2 - 1CriT3	-0.880963	0.305489	-2.884	0.2590
2SanT3 - 1CriT3	-0.431925	0.315529	-1.369	0.9967
2SanT4 - 1CriT3	0.213508	0.300956	0.709	1.0000
2SanT5 - 1CriT3	-0.322529	0.302581	-1.066	0.9999
2SanT6 - 1CriT3	-0.068886	0.292112	-0.236	1.0000
3RevT1 - 1CriT3	-1.039601	0.296583	-3.505	0.0467 *
3RevT2 - 1CriT3	-1.122877	0.307335	-3.654	0.0286 *
3RevT3 - 1CriT3	-1.359266	0.309610	-4.390	<0.01 **
3RevT4 - 1CriT3	-0.097024	0.301792	-0.321	1.0000
3RevT5 - 1CriT3	-2.968704	0.350035	-8.481	<0.001 ***
3RevT6 - 1CriT3	-2.957654	0.367346	-8.051	<0.001 ***
1CriT5 - 1CriT4	0.458362	0.316679	1.447	0.9936
1CriT6 - 1CriT4	0.859468	0.303311	2.834	0.2890
2SanT1 - 1CriT4	0.028171	0.306170	0.092	1.0000
2SanT2 - 1CriT4	-0.263635	0.307873	-0.856	1.0000

2SanT3 - 1CriT4	0.185403	0.317837	0.583	1.0000
2SanT4 - 1CriT4	0.830837	0.303376	2.739	0.3511
2SanT5 - 1CriT4	0.294800	0.304988	0.967	1.0000
2SanT6 - 1CriT4	0.548442	0.294604	1.862	0.9245
3RevT1 - 1CriT4	-0.422272	0.299038	-1.412	0.9952
3RevT2 - 1CriT4	-0.505549	0.309705	-1.632	0.9774
3RevT3 - 1CriT4	-0.741937	0.311962	-2.378	0.6228
3RevT4 - 1CriT4	0.520304	0.304205	1.710	0.9643
3RevT5 - 1CriT4	-2.351375	0.352118	-6.678	<0.001 ***
3RevT6 - 1CriT4	-2.340325	0.369331	-6.337	<0.001 ***
1CriT6 - 1CriT5	0.401106	0.313776	1.278	0.9985
2SanT1 - 1CriT5	-0.430191	0.316540	-1.359	0.9969
2SanT2 - 1CriT5	-0.721997	0.318187	-2.269	0.7046
2SanT3 - 1CriT5	-0.272959	0.327838	-0.833	1.0000
2SanT4 - 1CriT5	0.372475	0.313838	1.187	0.9994
2SanT5 - 1CriT5	-0.163563	0.315397	-0.519	1.0000
2SanT6 - 1CriT5	0.090080	0.305366	0.295	1.0000
3RevT1 - 1CriT5	-0.880634	0.309646	-2.844	0.2818
3RevT2 - 1CriT5	-0.963911	0.319960	-3.013	0.1907
3RevT3 - 1CriT5	-1.200299	0.322145	-3.726	0.0222 *
3RevT4 - 1CriT5	0.061942	0.314639	0.197	1.0000
3RevT5 - 1CriT5	-2.809737	0.361171	-7.780	<0.001 ***
3RevT6 - 1CriT5	-2.798687	0.377972	-7.404	<0.001 ***
2SanT1 - 1CriT6	-0.831298	0.303166	-2.742	0.3491
2SanT2 - 1CriT6	-1.123103	0.304886	-3.684	0.0252 *
2SanT3 - 1CriT6	-0.674065	0.314945	-2.140	0.7905
2SanT4 - 1CriT6	-0.028632	0.300344	-0.095	1.0000
2SanT5 - 1CriT6	-0.564669	0.301972	-1.870	0.9224
2SanT6 - 1CriT6	-0.311026	0.291481	-1.067	0.9999
3RevT1 - 1CriT6	-1.281741	0.295961	-4.331	<0.01 **
3RevT2 - 1CriT6	-1.365017	0.306735	-4.450	<0.01 **
3RevT3 - 1CriT6	-1.601406	0.309014	-5.182	<0.001 ***
3RevT4 - 1CriT6	-0.339164	0.301181	-1.126	0.9997
3RevT5 - 1CriT6	-3.210844	0.349509	-9.187	<0.001 ***
3RevT6 - 1CriT6	-3.199794	0.366844	-8.722	<0.001 ***
2SanT2 - 2SanT1	-0.291806	0.307730	-0.948	1.0000
2SanT3 - 2SanT1	0.157232	0.317699	0.495	1.0000
2SanT4 - 2SanT1	0.802666	0.303230	2.647	0.4164
2SanT5 - 2SanT1	0.266629	0.304844	0.875	1.0000
2SanT6 - 2SanT1	0.520272	0.294454	1.767	0.9519
3RevT1 - 2SanT1	-0.450443	0.298890	-1.507	0.9902
3RevT2 - 2SanT1	-0.533719	0.309562	-1.724	0.9615
3RevT3 - 2SanT1	-0.770108	0.311821	-2.470	0.5509
3RevT4 - 2SanT1	0.492133	0.304060	1.619	0.9792
3RevT5 - 2SanT1	-2.379546	0.351993	-6.760	<0.001 ***
3RevT6 - 2SanT1	-2.368496	0.369211	-6.415	<0.001 ***
2SanT3 - 2SanT2	0.449038	0.319340	1.406	0.9954
2SanT4 - 2SanT2	1.094471	0.304950	3.589	0.0348 *
2SanT5 - 2SanT2	0.558434	0.306554	1.822	0.9373
2SanT6 - 2SanT2	0.812077	0.296225	2.741	0.3480
3RevT1 - 2SanT2	-0.158637	0.300635	-0.528	1.0000
3RevT2 - 2SanT2	-0.241914	0.311247	-0.777	1.0000
3RevT3 - 2SanT2	-0.478302	0.313493	-1.526	0.9888
3RevT4 - 2SanT2	0.783939	0.305775	2.564	0.4791
3RevT5 - 2SanT2	-2.087740	0.353475	-5.906	<0.001 ***
3RevT6 - 2SanT2	-2.076691	0.370625	-5.603	<0.001 ***

2SanT4 - 2SanT3	0.645433	0.315007	2.049	0.8429
2SanT5 - 2SanT3	0.109396	0.316560	0.346	1.0000
2SanT6 - 2SanT3	0.363039	0.306568	1.184	0.9994
3RevT1 - 2SanT3	-0.607675	0.310831	-1.955	0.8889
3RevT2 - 2SanT3	-0.690952	0.321106	-2.152	0.7828
3RevT3 - 2SanT3	-0.927341	0.323284	-2.868	0.2682
3RevT4 - 2SanT3	0.334901	0.315805	1.060	0.9999
3RevT5 - 2SanT3	-2.536778	0.362187	-7.004	<0.001 ***
3RevT6 - 2SanT3	-2.525729	0.378943	-6.665	<0.001 ***
2SanT5 - 2SanT4	-0.536037	0.302037	-1.775	0.9502
2SanT6 - 2SanT4	-0.282394	0.291548	-0.969	1.0000
3RevT1 - 2SanT4	-1.253109	0.296027	-4.233	<0.01 **
3RevT2 - 2SanT4	-1.336385	0.306799	-4.356	<0.01 **
3RevT3 - 2SanT4	-1.572774	0.309078	-5.089	<0.001 ***
3RevT4 - 2SanT4	-0.310532	0.301246	-1.031	0.9999
3RevT5 - 2SanT4	-3.182212	0.349565	-9.103	<0.001 ***
3RevT6 - 2SanT4	-3.171162	0.366897	-8.643	<0.001 ***
2SanT6 - 2SanT5	0.253643	0.293225	0.865	1.0000
3RevT1 - 2SanT5	-0.717072	0.297679	-2.409	0.5974
3RevT2 - 2SanT5	-0.800348	0.308393	-2.595	0.4548
3RevT3 - 2SanT5	-1.036737	0.310660	-3.337	0.0798
3RevT4 - 2SanT5	0.225505	0.302870	0.745	1.0000
3RevT5 - 2SanT5	-2.646175	0.350965	-7.540	<0.001 ***
3RevT6 - 2SanT5	-2.635125	0.368232	-7.156	<0.001 ***
3RevT1 - 2SanT6	-0.970715	0.287031	-3.382	0.0690
3RevT2 - 2SanT6	-1.053991	0.298127	-3.535	0.0430 *
3RevT3 - 2SanT6	-1.290380	0.300472	-4.295	<0.01 **
3RevT4 - 2SanT6	-0.028138	0.292410	-0.096	1.0000
3RevT5 - 2SanT6	-2.899818	0.341980	-8.480	<0.001 ***
3RevT6 - 2SanT6	-2.888768	0.359678	-8.032	<0.001 ***
3RevT2 - 3RevT1	-0.083276	0.302510	-0.275	1.0000
3RevT3 - 3RevT1	-0.319665	0.304821	-1.049	0.9999
3RevT4 - 3RevT1	0.942577	0.296877	3.175	0.1262
3RevT5 - 3RevT1	-1.929103	0.345807	-5.579	<0.001 ***
3RevT6 - 3RevT1	-1.918053	0.363319	-5.279	<0.001 ***
3RevT3 - 3RevT2	-0.236389	0.315292	-0.750	1.0000
3RevT4 - 3RevT2	1.025853	0.307618	3.335	0.0806
3RevT5 - 3RevT2	-1.845827	0.355071	-5.198	<0.001 ***
3RevT6 - 3RevT2	-1.834777	0.372148	-4.930	<0.001 ***
3RevT4 - 3RevT3	1.262242	0.309891	4.073	<0.01 **
3RevT5 - 3RevT3	-1.609438	0.357042	-4.508	<0.001 ***
3RevT6 - 3RevT3	-1.598388	0.374028	-4.273	<0.01 **
3RevT5 - 3RevT4	-2.871680	0.350285	-8.198	<0.001 ***
3RevT6 - 3RevT4	-2.860630	0.367583	-7.782	<0.001 ***
3RevT6 - 3RevT5	0.011050	0.408122	0.027	1.0000

Table S5. Tukey test comparisons for oak leaves EPT richness (EPTS). Significance codes: *** ≤ 0.001 ; ** ≤ 0.01 ; * ≤ 0.05 .

Comparison	Estimate	Std. Error	Z Value	p-Value
1CriT2 - 1CriT1	-0.19845	0.21069	-0.942	1.0000
1CriT3 - 1CriT1	-0.10536	0.20548	-0.513	1.0000
1CriT4 - 1CriT1	-0.12783	0.20671	-0.618	1.0000
1CriT5 - 1CriT1	-0.29214	0.22638	-1.290	0.9981
1CriT6 - 1CriT1	-0.54473	0.23342	-2.334	0.6366
2SanT1 - 1CriT1	0.11333	0.19457	0.582	1.0000
2SanT2 - 1CriT1	0.07696	0.19626	0.392	1.0000
2SanT3 - 1CriT1	-0.35667	0.23094	-1.544	0.9852
2SanT4 - 1CriT1	0.13103	0.19376	0.676	1.0000
2SanT5 - 1CriT1	-0.04082	0.20207	-0.202	1.0000
2SanT6 - 1CriT1	-0.21691	0.20430	-1.062	0.9998
3RevT1 - 1CriT1	-0.71335	0.23604	-3.022	0.1728
3RevT2 - 1CriT1	-0.57982	0.23604	-2.456	0.5393
3RevT3 - 1CriT1	-0.27444	0.21521	-1.275	0.9983
3RevT4 - 1CriT1	-0.15082	0.20798	-0.725	1.0000
3RevT5 - 1CriT1	-1.13943	0.28723	-3.967	<0.01 **
3RevT6 - 1CriT1	-3.75787	1.00980	-3.721	0.0194 *
1CriT3 - 1CriT2	0.09309	0.21590	0.431	1.0000
1CriT4 - 1CriT2	0.07062	0.21707	0.325	1.0000
1CriT5 - 1CriT2	-0.09369	0.23588	-0.397	1.0000
1CriT6 - 1CriT2	-0.34628	0.24264	-1.427	0.9936
2SanT1 - 1CriT2	0.31178	0.20554	1.517	0.9876
2SanT2 - 1CriT2	0.27541	0.20714	1.330	0.9972
2SanT3 - 1CriT2	-0.15822	0.24026	-0.659	1.0000
2SanT4 - 1CriT2	0.32948	0.20478	1.609	0.9772
2SanT5 - 1CriT2	0.15763	0.21266	0.741	1.0000
2SanT6 - 1CriT2	-0.01846	0.21478	-0.086	1.0000
3RevT1 - 1CriT2	-0.51490	0.24516	-2.100	0.7985
3RevT2 - 1CriT2	-0.38137	0.24516	-1.556	0.9837
3RevT3 - 1CriT2	-0.07599	0.22518	-0.337	1.0000
3RevT4 - 1CriT2	0.04763	0.21828	0.218	1.0000
3RevT5 - 1CriT2	-0.94098	0.29477	-3.192	0.1115
3RevT6 - 1CriT2	-3.55942	1.01198	-3.517	0.0407 *
1CriT4 - 1CriT3	-0.02247	0.21201	-0.106	1.0000
1CriT5 - 1CriT3	-0.18678	0.23124	-0.808	1.0000
1CriT6 - 1CriT3	-0.43937	0.23813	-1.845	0.9228
2SanT1 - 1CriT3	0.21869	0.20020	1.092	0.9998
2SanT2 - 1CriT3	0.18232	0.20184	0.903	1.0000
2SanT3 - 1CriT3	-0.25131	0.23570	-1.066	0.9998
2SanT4 - 1CriT3	0.23639	0.19941	1.185	0.9993
2SanT5 - 1CriT3	0.06454	0.20750	0.311	1.0000
2SanT6 - 1CriT3	-0.11155	0.20967	-0.532	1.0000
3RevT1 - 1CriT3	-0.60799	0.24070	-2.526	0.4840
3RevT2 - 1CriT3	-0.47446	0.24070	-1.971	0.8696
3RevT3 - 1CriT3	-0.16908	0.22031	-0.767	1.0000
3RevT4 - 1CriT3	-0.04546	0.21326	-0.213	1.0000
3RevT5 - 1CriT3	-1.03407	0.29107	-3.553	0.0363 *
3RevT6 - 1CriT3	-3.65251	1.01090	-3.613	0.0293 *
1CriT5 - 1CriT4	-0.16430	0.23233	-0.707	1.0000
1CriT6 - 1CriT4	-0.41689	0.23919	-1.743	0.9524
2SanT1 - 1CriT4	0.24116	0.20146	1.197	0.9992
2SanT2 - 1CriT4	0.20479	0.20309	1.008	0.9999

2SanT3 - 1CriT4	-0.22884	0.23677	-0.967	1.0000
2SanT4 - 1CriT4	0.25886	0.20068	1.290	0.9981
2SanT5 - 1CriT4	0.08701	0.20871	0.417	1.0000
2SanT6 - 1CriT4	-0.08908	0.21087	-0.422	1.0000
3RevT1 - 1CriT4	-0.58552	0.24175	-2.422	0.5657
3RevT2 - 1CriT4	-0.45199	0.24175	-1.870	0.9126
3RevT3 - 1CriT4	-0.14660	0.22146	-0.662	1.0000
3RevT4 - 1CriT4	-0.02299	0.21444	-0.107	1.0000
3RevT5 - 1CriT4	-1.01160	0.29194	-3.465	0.0482 *
3RevT6 - 1CriT4	-3.63004	1.01115	-3.590	0.0330 *
1CriT6 - 1CriT5	-0.25259	0.25638	-0.985	0.9999
2SanT1 - 1CriT5	0.40547	0.22160	1.830	0.9272
2SanT2 - 1CriT5	0.36910	0.22309	1.654	0.9705
2SanT3 - 1CriT5	-0.06454	0.25413	-0.254	1.0000
2SanT4 - 1CriT5	0.42316	0.22089	1.916	0.8953
2SanT5 - 1CriT5	0.25131	0.22822	1.101	0.9997
2SanT6 - 1CriT5	0.07522	0.23019	0.327	1.0000
3RevT1 - 1CriT5	-0.42121	0.25877	-1.628	0.9747
3RevT2 - 1CriT5	-0.28768	0.25877	-1.112	0.9997
3RevT3 - 1CriT5	0.01770	0.23993	0.074	1.0000
3RevT4 - 1CriT5	0.14131	0.23346	0.605	1.0000
3RevT5 - 1CriT5	-0.84730	0.30619	-2.767	0.3128
3RevT6 - 1CriT5	-3.46574	1.01536	-3.413	0.0557
2SanT1 - 1CriT6	0.65806	0.22878	2.876	0.2467
2SanT2 - 1CriT6	0.62169	0.23022	2.700	0.3560
2SanT3 - 1CriT6	0.18805	0.26042	0.722	1.0000
2SanT4 - 1CriT6	0.67576	0.22809	2.963	0.2015
2SanT5 - 1CriT6	0.50391	0.23519	2.143	0.7717
2SanT6 - 1CriT6	0.32781	0.23711	1.383	0.9956
3RevT1 - 1CriT6	-0.16862	0.26495	-0.636	1.0000
3RevT2 - 1CriT6	-0.03509	0.26495	-0.132	1.0000
3RevT3 - 1CriT6	0.27029	0.24657	1.096	0.9998
3RevT4 - 1CriT6	0.39390	0.24029	1.639	0.9728
3RevT5 - 1CriT6	-0.59471	0.31142	-1.910	0.8972
3RevT6 - 1CriT6	-3.21315	1.01695	-3.160	0.1206
2SanT2 - 2SanT1	-0.03637	0.19072	-0.191	1.0000
2SanT3 - 2SanT1	-0.47000	0.22625	-2.077	0.8132
2SanT4 - 2SanT1	0.01770	0.18815	0.094	1.0000
2SanT5 - 2SanT1	-0.15415	0.19670	-0.784	1.0000
2SanT6 - 2SanT1	-0.33024	0.19899	-1.660	0.9695
3RevT1 - 2SanT1	-0.82668	0.23145	-3.572	0.0339 *
3RevT2 - 2SanT1	-0.69315	0.23146	-2.995	0.1865
3RevT3 - 2SanT1	-0.38777	0.21017	-1.845	0.9216
3RevT4 - 2SanT1	-0.26415	0.20276	-1.303	0.9978
3RevT5 - 2SanT1	-1.25276	0.28347	-4.419	<0.01 **
3RevT6 - 2SanT1	-3.87120	1.00874	-3.838	0.0131 *
2SanT3 - 2SanT2	-0.43364	0.22771	-1.904	0.8996
2SanT4 - 2SanT2	0.05407	0.18990	0.285	1.0000
2SanT5 - 2SanT2	-0.11778	0.19837	-0.594	1.0000
2SanT6 - 2SanT2	-0.29387	0.20064	-1.465	0.9916
3RevT1 - 2SanT2	-0.79031	0.23288	-3.394	0.0610
3RevT2 - 2SanT2	-0.65678	0.23288	-2.820	0.2796
3RevT3 - 2SanT2	-0.35140	0.21174	-1.660	0.9695
3RevT4 - 2SanT2	-0.22778	0.20439	-1.114	0.9997
3RevT5 - 2SanT2	-1.21640	0.28464	-4.273	<0.01 **
3RevT6 - 2SanT2	-3.83483	1.00907	-3.800	0.0149 *

2SanT4 - 2SanT3	0.48770	0.22556	2.162	0.7583
2SanT5 - 2SanT3	0.31585	0.23274	1.357	0.9965
2SanT6 - 2SanT3	0.13976	0.23468	0.596	1.0000
3RevT1 - 2SanT3	-0.35667	0.26277	-1.357	0.9965
3RevT2 - 2SanT3	-0.22314	0.26277	-0.849	1.0000
3RevT3 - 2SanT3	0.08224	0.24423	0.337	1.0000
3RevT4 - 2SanT3	0.20585	0.23788	0.865	1.0000
3RevT5 - 2SanT3	-0.78276	0.30957	-2.529	0.4836
3RevT6 - 2SanT3	-3.40120	1.01639	-3.346	0.0699
2SanT5 - 2SanT4	-0.17185	0.19590	-0.877	1.0000
2SanT6 - 2SanT4	-0.34794	0.19820	-1.756	0.9492
3RevT1 - 2SanT4	-0.84438	0.23078	-3.659	0.0245 *
3RevT2 - 2SanT4	-0.71085	0.23078	-3.080	0.1497
3RevT3 - 2SanT4	-0.40547	0.20943	-1.936	0.8860
3RevT4 - 2SanT4	-0.28185	0.20199	-1.395	0.9951
3RevT5 - 2SanT4	-1.27046	0.28292	-4.491	<0.001 ***
3RevT6 - 2SanT4	-3.88890	1.00859	-3.856	0.0119 *
2SanT6 - 2SanT5	-0.17609	0.20633	-0.853	1.0000
3RevT1 - 2SanT5	-0.67253	0.23780	-2.828	0.2742
3RevT2 - 2SanT5	-0.53900	0.23780	-2.267	0.6845
3RevT3 - 2SanT5	-0.23361	0.21714	-1.076	0.9998
3RevT4 - 2SanT5	-0.11000	0.20997	-0.524	1.0000
3RevT5 - 2SanT5	-1.09861	0.28868	-3.806	0.0157 *
3RevT6 - 2SanT5	-3.71705	1.01022	-3.679	0.0239 *
3RevT1 - 2SanT6	-0.49644	0.23969	-2.071	0.8159
3RevT2 - 2SanT6	-0.36291	0.23969	-1.514	0.9879
3RevT3 - 2SanT6	-0.05752	0.21921	-0.262	1.0000
3RevT4 - 2SanT6	0.06609	0.21212	0.312	1.0000
3RevT5 - 2SanT6	-0.92252	0.29024	-3.178	0.1149
3RevT6 - 2SanT6	-3.54096	1.01067	-3.504	0.0430 *
3RevT2 - 3RevT1	0.13353	0.26726	0.500	1.0000
3RevT3 - 3RevT1	0.43891	0.24906	1.762	0.9474
3RevT4 - 3RevT1	0.56253	0.24284	2.316	0.6479
3RevT5 - 3RevT1	-0.42608	0.31339	-1.360	0.9963
3RevT6 - 3RevT1	-3.04452	1.01756	-2.992	0.1858
3RevT3 - 3RevT2	0.30538	0.24906	1.226	0.9990
3RevT4 - 3RevT2	0.42900	0.24284	1.767	0.9459
3RevT5 - 3RevT2	-0.55962	0.31339	-1.786	0.9407
3RevT6 - 3RevT2	-3.17805	1.01756	-3.123	0.1339
3RevT4 - 3RevT3	0.12361	0.22265	0.555	1.0000
3RevT5 - 3RevT3	-0.86500	0.29802	-2.902	0.2331
3RevT6 - 3RevT3	-3.48344	1.01293	-3.439	0.0517
3RevT5 - 3RevT4	-0.98861	0.29284	-3.376	0.0659
3RevT6 - 3RevT4	-3.60705	1.01142	-3.566	0.0345 *
3RevT6 - 3RevT5	-2.61844	1.03063	-2.541	0.4716

Table S6. Tukey test comparisons for oak leaves EPT abundance (EPTN). Significance codes: *** ≤ 0.001 ; ** ≤ 0.01 ; * ≤ 0.05 .

Comparison	Estimate	Std. Error	Z Value	p-Value
1CriT2 - 1CriT1	-0.417441	0.269899	-1.547	0.9854
1CriT3 - 1CriT1	0.302453	0.264110	1.145	0.9996
1CriT4 - 1CriT1	0.046520	0.265724	0.175	1.0000
1CriT5 - 1CriT1	0.062801	0.276418	0.227	1.0000
1CriT6 - 1CriT1	0.143894	0.265062	0.543	1.0000
2SanT1 - 1CriT1	-1.134980	0.281367	-4.034	<0.01 **
2SanT2 - 1CriT1	-1.324736	0.285914	-4.633	<0.001 ***
2SanT3 - 1CriT1	-1.504077	0.304783	-4.935	<0.001 ***
2SanT4 - 1CriT1	-0.216223	0.267857	-0.807	1.0000
2SanT5 - 1CriT1	-0.559616	0.271599	-2.060	0.8244
2SanT6 - 1CriT1	-0.410687	0.261015	-1.573	0.9821
3RevT1 - 1CriT1	-2.261763	0.310204	-7.291	<0.001 ***
3RevT2 - 1CriT1	-2.351375	0.329375	-7.139	<0.001 ***
3RevT3 - 1CriT1	-1.597603	0.293989	-5.434	<0.001 ***
3RevT4 - 1CriT1	-1.225364	0.283434	-4.323	<0.01 **
3RevT5 - 1CriT1	-2.756840	0.359613	-7.666	<0.001 ***
3RevT6 - 1CriT1	-5.375278	1.035403	-5.191	<0.001 ***
1CriT3 - 1CriT2	0.719895	0.267974	2.686	0.3695
1CriT4 - 1CriT2	0.463961	0.269565	1.721	0.9579
1CriT5 - 1CriT2	0.480242	0.280112	1.714	0.9593
1CriT6 - 1CriT2	0.561335	0.268912	2.087	0.8091
2SanT1 - 1CriT2	-0.717539	0.284996	-2.518	0.4937
2SanT2 - 1CriT2	-0.907295	0.289487	-3.134	0.1302
2SanT3 - 1CriT2	-1.086636	0.308137	-3.526	0.0396 *
2SanT4 - 1CriT2	0.201218	0.271668	0.741	1.0000
2SanT5 - 1CriT2	-0.142174	0.275357	-0.516	1.0000
2SanT6 - 1CriT2	0.006754	0.264924	0.025	1.0000
3RevT1 - 1CriT2	-1.844322	0.313500	-5.883	<0.001 ***
3RevT2 - 1CriT2	-1.933934	0.332481	-5.817	<0.001 ***
3RevT3 - 1CriT2	-1.180162	0.297464	-3.967	<0.01 **
3RevT4 - 1CriT2	-0.807923	0.287038	-2.815	0.2846
3RevT5 - 1CriT2	-2.339399	0.362460	-6.454	<0.001 ***
3RevT6 - 1CriT2	-4.957837	1.036395	-4.784	<0.001 ***
1CriT4 - 1CriT3	-0.255933	0.263768	-0.970	1.0000
1CriT5 - 1CriT3	-0.239652	0.274538	-0.873	1.0000
1CriT6 - 1CriT3	-0.158559	0.263101	-0.603	1.0000
2SanT1 - 1CriT3	-1.437433	0.279520	-5.143	<0.001 ***
2SanT2 - 1CriT3	-1.627190	0.284097	-5.728	<0.001 ***
2SanT3 - 1CriT3	-1.806531	0.303079	-5.961	<0.001 ***
2SanT4 - 1CriT3	-0.518676	0.265917	-1.951	0.8816
2SanT5 - 1CriT3	-0.862069	0.269685	-3.197	0.1118
2SanT6 - 1CriT3	-0.713140	0.259023	-2.753	0.3235
3RevT1 - 1CriT3	-2.564216	0.308530	-8.311	<0.001 ***
3RevT2 - 1CriT3	-2.653829	0.327799	-8.096	<0.001 ***
3RevT3 - 1CriT3	-1.900057	0.292222	-6.502	<0.001 ***
3RevT4 - 1CriT3	-1.527817	0.281601	-5.425	<0.001 ***
3RevT5 - 1CriT3	-3.059294	0.358170	-8.541	<0.001 ***
3RevT6 - 1CriT3	-5.677732	1.034903	-5.486	<0.001 ***
1CriT5 - 1CriT4	0.016281	0.276092	0.059	1.0000
1CriT6 - 1CriT4	0.097374	0.264722	0.368	1.0000
2SanT1 - 1CriT4	-1.181500	0.281046	-4.204	<0.01 **
2SanT2 - 1CriT4	-1.371256	0.285598	-4.801	<0.001 ***

2SanT3 - 1CriT4	-1.550597	0.304487	-5.092	<0.001 ***
2SanT4 - 1CriT4	-0.262743	0.267520	-0.982	0.9999
2SanT5 - 1CriT4	-0.606136	0.271266	-2.234	0.7108
2SanT6 - 1CriT4	-0.457207	0.260669	-1.754	0.9498
3RevT1 - 1CriT4	-2.308283	0.309913	-7.448	<0.001 ***
3RevT2 - 1CriT4	-2.397895	0.329101	-7.286	<0.001 ***
3RevT3 - 1CriT4	-1.644123	0.293682	-5.598	<0.001 ***
3RevT4 - 1CriT4	-1.271884	0.283116	-4.492	<0.01 **
3RevT5 - 1CriT4	-2.803360	0.359362	-7.801	<0.001 ***
3RevT6 - 1CriT4	-5.421798	1.035316	-5.237	<0.001 ***
1CriT6 - 1CriT5	0.081093	0.275455	0.294	1.0000
2SanT1 - 1CriT5	-1.197781	0.291178	-4.114	<0.01 **
2SanT2 - 1CriT5	-1.387537	0.295574	-4.694	<0.001 ***
2SanT3 - 1CriT5	-1.566878	0.313863	-4.992	<0.001 ***
2SanT4 - 1CriT5	-0.279024	0.278145	-1.003	0.9999
2SanT5 - 1CriT5	-0.622417	0.281750	-2.209	0.7302
2SanT6 - 1CriT5	-0.473488	0.271562	-1.744	0.9530
3RevT1 - 1CriT5	-2.324564	0.319130	-7.284	<0.001 ***
3RevT2 - 1CriT5	-2.414176	0.337795	-7.147	<0.001 ***
3RevT3 - 1CriT5	-1.660404	0.303392	-5.473	<0.001 ***
3RevT4 - 1CriT5	-1.288165	0.293176	-4.394	<0.01 **
3RevT5 - 1CriT5	-2.819641	0.367340	-7.676	<0.001 ***
3RevT6 - 1CriT5	-5.438079	1.038112	-5.238	<0.001 ***
2SanT1 - 1CriT6	-1.278874	0.280420	-4.561	<0.001 ***
2SanT2 - 1CriT6	-1.468631	0.284982	-5.153	<0.001 ***
2SanT3 - 1CriT6	-1.647972	0.303909	-5.423	<0.01 ***
2SanT4 - 1CriT6	-0.360117	0.266863	-1.349	0.9967
2SanT5 - 1CriT6	-0.703510	0.270618	-2.600	0.4322
2SanT6 - 1CriT6	-0.554581	0.259994	-2.133	0.7802
3RevT1 - 1CriT6	-2.405657	0.309345	-7.777	<0.001 ***
3RevT2 - 1CriT6	-2.495269	0.328567	-7.594	<0.001 ***
3RevT3 - 1CriT6	-1.741498	0.293083	-5.942	<0.001 ***
3RevT4 - 1CriT6	-1.369258	0.282494	-4.847	<0.001 ***
3RevT5 - 1CriT6	-2.900735	0.358873	-8.083	<0.001 ***
3RevT6 - 1CriT6	-5.519173	1.035146	-5.332	<0.001 ***
2SanT2 - 2SanT1	-0.189757	0.300207	-0.632	1.0000
2SanT3 - 2SanT1	-0.369097	0.318229	-1.160	0.9995
2SanT4 - 2SanT1	0.918757	0.283064	3.246	0.0954
2SanT5 - 2SanT1	0.575364	0.286607	2.008	0.8533
2SanT6 - 2SanT1	0.724293	0.276597	2.619	0.4189
3RevT1 - 2SanT1	-1.126783	0.323425	-3.484	0.0475 *
3RevT2 - 2SanT1	-1.216395	0.341856	-3.558	0.0362 *
3RevT3 - 2SanT1	-0.462624	0.307907	-1.502	0.9891
3RevT4 - 2SanT1	-0.090384	0.297846	-0.303	1.0000
3RevT5 - 2SanT1	-1.621860	0.371078	-4.371	<0.01 **
3RevT6 - 2SanT1	-4.240298	1.039441	-4.079	<0.01 **
2SanT3 - 2SanT2	-0.179341	0.322257	-0.557	1.0000
2SanT4 - 2SanT2	1.108513	0.287584	3.855	0.0126 *
2SanT5 - 2SanT2	0.765121	0.291072	2.629	0.4097
2SanT6 - 2SanT2	0.914049	0.281222	3.250	0.0944
3RevT1 - 2SanT2	-0.937027	0.327389	-2.862	0.2569
3RevT2 - 2SanT2	-1.026639	0.345608	-2.971	0.1984
3RevT3 - 2SanT2	-0.272867	0.312068	-0.874	1.0000
3RevT4 - 2SanT2	0.099372	0.302146	0.329	1.0000
3RevT5 - 2SanT2	-1.432104	0.374538	-3.824	0.0141 *
3RevT6 - 2SanT2	-4.050542	1.040681	-3.892	0.0107 *

2SanT4 - 2SanT3	1.287854	0.306350	4.204	<0.01 **
2SanT5 - 2SanT3	0.944462	0.309627	3.050	0.1629
2SanT6 - 2SanT3	1.093390	0.300386	3.640	0.0275 *
3RevT1 - 2SanT3	-0.757686	0.343990	-2.203	0.7317
3RevT2 - 2SanT3	-0.847298	0.361374	-2.345	0.6276
3RevT3 - 2SanT3	-0.093526	0.329442	-0.284	1.0000
3RevT4 - 2SanT3	0.278713	0.320059	0.871	1.0000
3RevT5 - 2SanT3	-1.252763	0.389133	-3.219	0.1044
3RevT6 - 2SanT3	-3.871201	1.046022	-3.701	0.0214 *
2SanT5 - 2SanT4	-0.343393	0.273356	-1.256	0.9986
2SanT6 - 2SanT4	-0.194464	0.262843	-0.740	1.0000
3RevT1 - 2SanT4	-2.045540	0.311744	-6.562	<0.001 ***
3RevT2 - 2SanT4	-2.135152	0.330826	-6.454	<0.001 ***
3RevT3 - 2SanT4	-1.381380	0.295613	-4.673	<0.001 ***
3RevT4 - 2SanT4	-1.009141	0.285119	-3.539	0.0390 *
3RevT5 - 2SanT4	-2.540617	0.360942	-7.039	<0.001 ***
3RevT6 - 2SanT4	-5.159055	1.035865	-4.980	<0.001 ***
2SanT6 - 2SanT5	0.148929	0.266655	0.559	1.0000
3RevT1 - 2SanT5	-1.702147	0.314964	-5.404	<0.001 ***
3RevT2 - 2SanT5	-1.791759	0.333863	-5.367	<0.001 ***
3RevT3 - 2SanT5	-1.037988	0.299007	-3.471	0.0479 *
3RevT4 - 2SanT5	-0.665748	0.288637	-2.307	0.6582
3RevT5 - 2SanT5	-2.197225	0.363727	-6.041	<0.001 ***
3RevT6 - 2SanT5	-4.815663	1.036839	-4.645	<0.001 ***
3RevT1 - 2SanT6	-1.851076	0.305885	-6.052	<0.001 ***
3RevT2 - 2SanT6	-1.940688	0.325311	-5.966	<0.001 ***
3RevT3 - 2SanT6	-1.186916	0.289428	-4.101	<0.01 **
3RevT4 - 2SanT6	-0.814677	0.278701	-2.923	0.2233
3RevT5 - 2SanT6	-2.346153	0.355894	-6.592	<0.001 ***
3RevT6 - 2SanT6	-4.964591	1.034117	-4.801	<0.001 ***
3RevT2 - 3RevT1	-0.089612	0.365957	-0.245	1.0000
3RevT3 - 3RevT1	0.664160	0.334464	1.986	0.8647
3RevT4 - 3RevT1	1.036399	0.325226	3.187	0.1136
3RevT5 - 3RevT1	-0.495077	0.393393	-1.258	0.9986
3RevT6 - 3RevT1	-3.113515	1.047614	-2.972	0.1993
3RevT3 - 3RevT2	0.753772	0.352318	2.139	0.7770
3RevT4 - 3RevT2	1.126011	0.343560	3.277	0.0867
3RevT5 - 3RevT2	-0.405465	0.408681	-0.992	0.9999
3RevT6 - 3RevT2	-3.023903	1.053450	-2.870	0.2529
3RevT4 - 3RevT3	0.372239	0.309798	1.202	0.9992
3RevT5 - 3RevT3	-1.159237	0.380737	-3.045	0.1662
3RevT6 - 3RevT3	-3.777675	1.042928	-3.622	0.0290 *
3RevT5 - 3RevT4	-1.531476	0.372648	-4.110	<0.01 **
3RevT6 - 3RevT4	-4.149914	1.040002	-3.990	<0.01 **
3RevT6 - 3RevT5	-2.618438	1.063292	-2.463	0.5374

Table S7. Tukey test comparisons for oak leaves shredder abundance (ShN). Significance codes:
*** ≤ 0.001 ; ** ≤ 0.01 ; * ≤ 0.05 .

Comparison	Estimate	Std. Error	Z Value	p-Value
1CriT2 - 1CriT1	-0.417441	0.269899	-1.547	0.9852
1CriT3 - 1CriT1	0.302453	0.264110	1.145	0.9996
1CriT4 - 1CriT1	0.046520	0.265724	0.175	1.0000
1CriT5 - 1CriT1	0.062801	0.276418	0.227	1.0000
1CriT6 - 1CriT1	0.143894	0.265062	0.543	1.0000
2SanT1 - 1CriT1	-1.134980	0.281367	-4.034	<0.01 **
2SanT2 - 1CriT1	-1.324736	0.285914	-4.633	<0.001 ***
2SanT3 - 1CriT1	-1.504077	0.304783	-4.935	<0.001 ***
2SanT4 - 1CriT1	-0.216223	0.267857	-0.807	1.0000
2SanT5 - 1CriT1	-0.559616	0.271599	-2.060	0.8239
2SanT6 - 1CriT1	-0.410687	0.261015	-1.573	0.9823
3RevT1 - 1CriT1	-2.261763	0.310204	-7.291	<0.001 ***
3RevT2 - 1CriT1	-2.351375	0.329375	-7.139	<0.001 ***
3RevT3 - 1CriT1	-1.597603	0.293989	-5.434	<0.001 ***
3RevT4 - 1CriT1	-1.225364	0.283434	-4.323	<0.01 **
3RevT5 - 1CriT1	-2.756840	0.359613	-7.666	<0.001 ***
3RevT6 - 1CriT1	-5.375278	1.035403	-5.191	<0.001 ***
1CriT3 - 1CriT2	0.719895	0.267974	2.686	0.3685
1CriT4 - 1CriT2	0.463961	0.269565	1.721	0.9577
1CriT5 - 1CriT2	0.480242	0.280112	1.714	0.9594
1CriT6 - 1CriT2	0.561335	0.268912	2.087	0.8090
2SanT1 - 1CriT2	-0.717539	0.284996	-2.518	0.4924
2SanT2 - 1CriT2	-0.907295	0.289487	-3.134	0.1310
2SanT3 - 1CriT2	-1.086636	0.308137	-3.526	0.0399 *
2SanT4 - 1CriT2	0.201218	0.271668	0.741	1.0000
2SanT5 - 1CriT2	-0.142174	0.275357	-0.516	1.0000
2SanT6 - 1CriT2	0.006754	0.264924	0.025	1.0000
3RevT1 - 1CriT2	-1.844322	0.313500	-5.883	<0.001 ***
3RevT2 - 1CriT2	-1.933934	0.332481	-5.817	<0.001 ***
3RevT3 - 1CriT2	-1.180162	0.297464	-3.967	<0.01 **
3RevT4 - 1CriT2	-0.807923	0.287038	-2.815	0.2837
3RevT5 - 1CriT2	-2.339399	0.362460	-6.454	<0.001 ***
3RevT6 - 1CriT2	-4.957837	1.036395	-4.784	<0.001 ***
1CriT4 - 1CriT3	-0.255933	0.263768	-0.970	1.0000
1CriT5 - 1CriT3	-0.239652	0.274538	-0.873	1.0000
1CriT6 - 1CriT3	-0.158559	0.263101	-0.603	1.0000
2SanT1 - 1CriT3	-1.437433	0.279520	-5.143	<0.001 ***
2SanT2 - 1CriT3	-1.627190	0.284097	-5.728	<0.001 ***
2SanT3 - 1CriT3	-1.806531	0.303079	-5.961	<0.001 ***
2SanT4 - 1CriT3	-0.518676	0.265917	-1.951	0.8812
2SanT5 - 1CriT3	-0.862069	0.269685	-3.197	0.1110
2SanT6 - 1CriT3	-0.713140	0.259023	-2.753	0.3244
3RevT1 - 1CriT3	-2.564216	0.308530	-8.311	<0.001 ***
3RevT2 - 1CriT3	-2.653829	0.327799	-8.096	<0.001 ***
3RevT3 - 1CriT3	-1.900057	0.292222	-6.502	<0.001 ***
3RevT4 - 1CriT3	-1.527817	0.281601	-5.425	<0.001 ***
3RevT5 - 1CriT3	-3.059294	0.358170	-8.541	<0.001 ***
3RevT6 - 1CriT3	-5.677732	1.034903	-5.486	<0.001 ***
1CriT5 - 1CriT4	0.016281	0.276092	0.059	1.0000
1CriT6 - 1CriT4	0.097374	0.264722	0.368	1.0000
2SanT1 - 1CriT4	-1.181500	0.281046	-4.204	<0.01 **
2SanT2 - 1CriT4	-1.371256	0.285598	-4.801	<0.001 ***

2SanT3 - 1CriT4	-1.550597	0.304487	-5.092	<0.001 ***
2SanT4 - 1CriT4	-0.262743	0.267520	-0.982	0.9999
2SanT5 - 1CriT4	-0.606136	0.271266	-2.234	0.7115
2SanT6 - 1CriT4	-0.457207	0.260669	-1.754	0.9504
3RevT1 - 1CriT4	-2.308283	0.309913	-7.448	<0.001 ***
3RevT2 - 1CriT4	-2.397895	0.329101	-7.286	<0.001 ***
3RevT3 - 1CriT4	-1.644123	0.293682	-5.598	<0.001 ***
3RevT4 - 1CriT4	-1.271884	0.283116	-4.492	<0.001 ***
3RevT5 - 1CriT4	-2.803360	0.359362	-7.801	<0.001 ***
3RevT6 - 1CriT4	-5.421798	1.035316	-5.237	<0.001 ***
1CriT6 - 1CriT5	0.081093	0.275455	0.294	1.0000
2SanT1 - 1CriT5	-1.197781	0.291178	-4.114	<0.01 **
2SanT2 - 1CriT5	-1.387537	0.295574	-4.694	<0.001 ***
2SanT3 - 1CriT5	-1.566878	0.313863	-4.992	<0.001 ***
2SanT4 - 1CriT5	-0.279024	0.278145	-1.003	0.9999
2SanT5 - 1CriT5	-0.622417	0.281750	-2.209	0.7300
2SanT6 - 1CriT5	-0.473488	0.271562	-1.744	0.9530
3RevT1 - 1CriT5	-2.324564	0.319130	-7.284	<0.001 ***
3RevT2 - 1CriT5	-2.414176	0.337795	-7.147	<0.001 ***
3RevT3 - 1CriT5	-1.660404	0.303392	-5.473	<0.001 ***
3RevT4 - 1CriT5	-1.288165	0.293176	-4.394	<0.01 **
3RevT5 - 1CriT5	-2.819641	0.367340	-7.676	<0.001 ***
3RevT6 - 1CriT5	-5.438079	1.038112	-5.238	<0.001 ***
2SanT1 - 1CriT6	-1.278874	0.280420	-4.561	<0.001 ***
2SanT2 - 1CriT6	-1.468631	0.284982	-5.153	<0.001 ***
2SanT3 - 1CriT6	-1.647972	0.303909	-5.423	<0.001 ***
2SanT4 - 1CriT6	-0.360117	0.266863	-1.349	0.9967
2SanT5 - 1CriT6	-0.703510	0.270618	-2.600	0.4317
2SanT6 - 1CriT6	-0.554581	0.259994	-2.133	0.7797
3RevT1 - 1CriT6	-2.405657	0.309345	-7.777	<0.001 ***
3RevT2 - 1CriT6	-2.495269	0.328567	-7.594	<0.001 ***
3RevT3 - 1CriT6	-1.741498	0.293083	-5.942	<0.001 ***
3RevT4 - 1CriT6	-1.369258	0.282494	-4.847	<0.001 ***
3RevT5 - 1CriT6	-2.900735	0.358873	-8.083	<0.001 ***
3RevT6 - 1CriT6	-5.519173	1.035146	-5.332	<0.001 ***
2SanT2 - 2SanT1	-0.189757	0.300207	-0.632	1.0000
2SanT3 - 2SanT1	-0.369097	0.318229	-1.160	0.9995
2SanT4 - 2SanT1	0.918757	0.283064	3.246	0.0981
2SanT5 - 2SanT1	0.575364	0.286607	2.008	0.8534
2SanT6 - 2SanT1	0.724293	0.276597	2.619	0.4182
3RevT1 - 2SanT1	-1.126783	0.323425	-3.484	0.0467 *
3RevT2 - 2SanT1	-1.216395	0.341856	-3.558	0.0366 *
3RevT3 - 2SanT1	-0.462624	0.307907	-1.502	0.9892
3RevT4 - 2SanT1	-0.090384	0.297846	-0.303	1.0000
3RevT5 - 2SanT1	-1.621860	0.371078	-4.371	<0.01 **
3RevT6 - 2SanT1	-4.240298	1.039441	-4.079	<0.01 **
2SanT3 - 2SanT2	-0.179341	0.322257	-0.557	1.0000
2SanT4 - 2SanT2	1.108513	0.287584	3.855	0.0131 *
2SanT5 - 2SanT2	0.765121	0.291072	2.629	0.4110
2SanT6 - 2SanT2	0.914049	0.281222	3.250	0.0963
3RevT1 - 2SanT2	-0.937027	0.327389	-2.862	0.2558
3RevT2 - 2SanT2	-1.026639	0.345608	-2.971	0.1977
3RevT3 - 2SanT2	-0.272867	0.312068	-0.874	1.0000
3RevT4 - 2SanT2	0.099372	0.302146	0.329	1.0000
3RevT5 - 2SanT2	-1.432104	0.374538	-3.824	0.0136 *
3RevT6 - 2SanT2	-4.050542	1.040681	-3.892	0.0111 *

2SanT4 - 2SanT3	1.287854	0.306350	4.204	<0.01 **
2SanT5 - 2SanT3	0.944462	0.309627	3.050	0.1640
2SanT6 - 2SanT3	1.093390	0.300386	3.640	0.0274 *
3RevT1 - 2SanT3	-0.757686	0.343990	-2.203	0.7343
3RevT2 - 2SanT3	-0.847298	0.361374	-2.345	0.6290
3RevT3 - 2SanT3	-0.093526	0.329442	-0.284	1.0000
3RevT4 - 2SanT3	0.278713	0.320059	0.871	1.0000
3RevT5 - 2SanT3	-1.252763	0.389133	-3.219	0.1035
3RevT6 - 2SanT3	-3.871201	1.046022	-3.701	0.0224 *
2SanT5 - 2SanT4	-0.343393	0.273356	-1.256	0.9986
2SanT6 - 2SanT4	-0.194464	0.262843	-0.740	1.0000
3RevT1 - 2SanT4	-2.045540	0.311744	-6.562	<0.001 ***
3RevT2 - 2SanT4	-2.135152	0.330826	-6.454	<0.001 ***
3RevT3 - 2SanT4	-1.381380	0.295613	-4.673	<0.001 ***
3RevT4 - 2SanT4	-1.009141	0.285119	-3.539	0.0380 *
3RevT5 - 2SanT4	-2.540617	0.360942	-7.039	<0.001 ***
3RevT6 - 2SanT4	-5.159055	1.035865	-4.980	<0.001 ***
2SanT6 - 2SanT5	0.148929	0.266655	0.559	1.0000
3RevT1 - 2SanT5	-1.702147	0.314964	-5.404	<0.001 ***
3RevT2 - 2SanT5	-1.791759	0.333863	-5.367	<0.001 ***
3RevT3 - 2SanT5	-1.037988	0.299007	-3.471	0.0490 *
3RevT4 - 2SanT5	-0.665748	0.288637	-2.307	0.6575
3RevT5 - 2SanT5	-2.197225	0.363727	-6.041	<0.001 ***
3RevT6 - 2SanT5	-4.815663	1.036839	-4.645	<0.001 ***
3RevT1 - 2SanT6	-1.851076	0.305885	-6.052	<0.001 ***
3RevT2 - 2SanT6	-1.940688	0.325311	-5.966	<0.001 ***
3RevT3 - 2SanT6	-1.186916	0.289428	-4.101	<0.01 **
3RevT4 - 2SanT6	-0.814677	0.278701	-2.923	0.2234
3RevT5 - 2SanT6	-2.346153	0.355894	-6.592	<0.001 ***
3RevT6 - 2SanT6	-4.964591	1.034117	-4.801	<0.001 ***
3RevT2 - 3RevT1	-0.089612	0.365957	-0.245	1.0000
3RevT3 - 3RevT1	0.664160	0.334464	1.986	0.8646
3RevT4 - 3RevT1	1.036399	0.325226	3.187	0.1137
3RevT5 - 3RevT1	-0.495077	0.393393	-1.258	0.9986
3RevT6 - 3RevT1	-3.113515	1.047614	-2.972	0.1998
3RevT3 - 3RevT2	0.753772	0.352318	2.139	0.7764
3RevT4 - 3RevT2	1.126011	0.343560	3.277	0.0867
3RevT5 - 3RevT2	-0.405465	0.408681	-0.992	0.9999
3RevT6 - 3RevT2	-3.023903	1.053450	-2.870	0.2506
3RevT4 - 3RevT3	0.372239	0.309798	1.202	0.9992
3RevT5 - 3RevT3	-1.159237	0.380737	-3.045	0.1659
3RevT6 - 3RevT3	-3.777675	1.042928	-3.622	0.0302 *
3RevT5 - 3RevT4	-1.531476	0.372648	-4.110	<0.01 **
3RevT6 - 3RevT4	-4.149914	1.040002	-3.990	<0.01 **
3RevT6 - 3RevT5	-2.618438	1.063292	-2.463	0.5373

Table S8. Tukey test comparisons for chestnut leaves taxa richness (S). Significance codes: *** ≤ 0.001 ; ** ≤ 0.01 ; * ≤ 0.05 .

Comparison	Estimate	Std. Error	Z Value	p-Value
1CriT2 - 1CriT1	1.917e-01	1.604e-01	1.195	0.9993
1CriT3 - 1CriT1	-1.195e-01	1.806e-01	-0.662	1.0000
1CriT4 - 1CriT1	-5.461e-01	1.880e-01	-2.904	0.2373
1CriT5 - 1CriT1	-7.412e-01	2.204e-01	-3.364	0.0701
1CriT6 - 1CriT1	-9.305e-01	2.531e-01	-3.676	0.0246 *
2SanT1 - 1CriT1	-1.355e-01	1.738e-01	-0.780	1.0000
2SanT2 - 1CriT1	2.673e-13	1.678e-01	0.000	1.0000
2SanT3 - 1CriT1	-2.553e-01	1.796e-01	-1.422	0.9943
2SanT4 - 1CriT1	-1.355e-01	1.738e-01	-0.780	1.0000
2SanT5 - 1CriT1	-2.857e-02	1.690e-01	-0.169	1.0000
2SanT6 - 1CriT1	-1.012e-01	1.796e-01	-0.563	1.0000
3RevT1 - 1CriT1	-2.584e-01	1.880e-01	-1.374	0.9962
3RevT2 - 1CriT1	1.681e-01	1.612e-01	1.043	0.9999
3RevT3 - 1CriT1	-1.621e-01	1.690e-01	-0.959	1.0000
3RevT4 - 1CriT1	-5.015e-01	1.932e-01	-2.595	0.4431
3RevT5 - 1CriT1	-1.172e+00	2.440e-01	-4.802	<0.001 ***
3RevT6 - 1CriT1	-1.085e+00	2.361e-01	-4.594	<0.001 ***
1CriT3 - 1CriT2	-3.112e-01	1.736e-01	-1.792	0.9418
1CriT4 - 1CriT2	-7.377e-01	1.814e-01	-4.067	<0.01 **
1CriT5 - 1CriT2	-9.329e-01	2.147e-01	-4.345	<0.01 **
1CriT6 - 1CriT2	-1.122e+00	2.482e-01	-4.520	<0.001 ***
2SanT1 - 1CriT2	-3.272e-01	1.666e-01	-1.964	0.8792
2SanT2 - 1CriT2	-1.917e-01	1.604e-01	-1.195	0.9993
2SanT3 - 1CriT2	-4.470e-01	1.727e-01	-2.589	0.4474
2SanT4 - 1CriT2	-3.272e-01	1.666e-01	-1.964	0.8788
2SanT5 - 1CriT2	-2.202e-01	1.616e-01	-1.363	0.9965
2SanT6 - 1CriT2	-2.929e-01	1.727e-01	-1.696	0.9648
3RevT1 - 1CriT2	-4.500e-01	1.814e-01	-2.481	0.5290
3RevT2 - 1CriT2	-2.353e-02	1.534e-01	-0.153	1.0000
3RevT3 - 1CriT2	-3.538e-01	1.616e-01	-2.189	0.7489
3RevT4 - 1CriT2	-6.931e-01	1.868e-01	-3.711	0.0221 *
3RevT5 - 1CriT2	-1.363e+00	2.389e-01	-5.706	<0.001 ***
3RevT6 - 1CriT2	-1.276e+00	2.309e-01	-5.529	<0.001 ***
1CriT4 - 1CriT3	-4.265e-01	1.995e-01	-2.138	0.7830
1CriT5 - 1CriT3	-6.217e-01	2.302e-01	-2.700	0.3654
1CriT6 - 1CriT3	-8.109e-01	2.618e-01	-3.098	0.1465
2SanT1 - 1CriT3	-1.600e-02	1.861e-01	-0.086	1.0000
2SanT2 - 1CriT3	1.195e-01	1.806e-01	0.662	1.0000
2SanT3 - 1CriT3	-1.358e-01	1.916e-01	-0.709	1.0000
2SanT4 - 1CriT3	-1.600e-02	1.861e-01	-0.086	1.0000
2SanT5 - 1CriT3	9.097e-02	1.817e-01	0.501	1.0000
2SanT6 - 1CriT3	1.835e-02	1.916e-01	0.096	1.0000
3RevT1 - 1CriT3	-1.388e-01	1.995e-01	-0.696	1.0000
3RevT2 - 1CriT3	2.877e-01	1.744e-01	1.649	0.9729
3RevT3 - 1CriT3	-4.256e-02	1.817e-01	-0.234	1.0000
3RevT4 - 1CriT3	-3.819e-01	2.044e-01	-1.869	0.9181
3RevT5 - 1CriT3	-1.052e+00	2.529e-01	-4.160	<0.01 **
3RevT6 - 1CriT3	-9.651e-01	2.453e-01	-3.934	0.0102 *
1CriT5 - 1CriT4	-1.952e-01	2.361e-01	-0.827	1.0000
1CriT6 - 1CriT4	-3.844e-01	2.670e-01	-1.440	0.9936
2SanT1 - 1CriT4	4.105e-01	1.934e-01	2.123	0.7931
2SanT2 - 1CriT4	5.461e-01	1.880e-01	2.904	0.2408

2SanT3 - 1CriT4	2.907e-01	1.986e-01	1.464	0.9922
2SanT4 - 1CriT4	4.105e-01	1.934e-01	2.123	0.7926
2SanT5 - 1CriT4	5.175e-01	1.891e-01	2.736	0.3409
2SanT6 - 1CriT4	4.449e-01	1.986e-01	2.240	0.7141
3RevT1 - 1CriT4	2.877e-01	2.063e-01	1.395	0.9954
3RevT2 - 1CriT4	7.142e-01	1.822e-01	3.921	0.0108 *
3RevT3 - 1CriT4	3.840e-01	1.891e-01	2.030	0.8455
3RevT4 - 1CriT4	4.458e-02	2.110e-01	0.211	1.0000
3RevT5 - 1CriT4	-6.256e-01	2.583e-01	-2.422	0.5764
3RevT6 - 1CriT4	-5.386e-01	2.509e-01	-2.147	0.7784
1CriT6 - 1CriT5	-1.892e-01	2.907e-01	-0.651	1.0000
2SanT1 - 1CriT5	6.057e-01	2.250e-01	2.692	0.3705
2SanT2 - 1CriT5	7.412e-01	2.204e-01	3.364	0.0691
2SanT3 - 1CriT5	4.859e-01	2.295e-01	2.117	0.7963
2SanT4 - 1CriT5	6.057e-01	2.250e-01	2.692	0.3713
2SanT5 - 1CriT5	7.127e-01	2.213e-01	3.220	0.1058
2SanT6 - 1CriT5	6.400e-01	2.295e-01	2.789	0.3075
3RevT1 - 1CriT5	4.829e-01	2.361e-01	2.045	0.8384
3RevT2 - 1CriT5	9.094e-01	2.154e-01	4.222	<0.01 **
3RevT3 - 1CriT5	5.791e-01	2.213e-01	2.617	0.4257
3RevT4 - 1CriT5	2.398e-01	2.403e-01	0.998	0.9999
3RevT5 - 1CriT5	-4.304e-01	2.827e-01	-1.522	0.9881
3RevT6 - 1CriT5	-3.434e-01	2.759e-01	-1.244	0.9989
2SanT1 - 1CriT6	7.949e-01	2.572e-01	3.091	0.1506
2SanT2 - 1CriT6	9.305e-01	2.531e-01	3.676	0.0250 *
2SanT3 - 1CriT6	6.751e-01	2.611e-01	2.586	0.4480
2SanT4 - 1CriT6	7.949e-01	2.572e-01	3.091	0.1507
2SanT5 - 1CriT6	9.019e-01	2.540e-01	3.551	0.0374 *
2SanT6 - 1CriT6	8.293e-01	2.611e-01	3.176	0.1209
3RevT1 - 1CriT6	6.721e-01	2.670e-01	2.517	0.5019
3RevT2 - 1CriT6	1.099e+00	2.488e-01	4.416	<0.01 **
3RevT3 - 1CriT6	7.684e-01	2.540e-01	3.026	0.1787
3RevT4 - 1CriT6	4.290e-01	2.707e-01	1.585	0.9819
3RevT5 - 1CriT6	-2.412e-01	3.090e-01	-0.781	1.0000
3RevT6 - 1CriT6	-1.542e-01	3.028e-01	-0.509	1.0000
2SanT2 - 2SanT1	1.355e-01	1.738e-01	0.780	1.0000
2SanT3 - 2SanT1	-1.198e-01	1.852e-01	-0.647	1.0000
2SanT4 - 2SanT1	9.948e-14	1.796e-01	0.000	1.0000
2SanT5 - 2SanT1	1.070e-01	1.750e-01	0.611	1.0000
2SanT6 - 2SanT1	3.435e-02	1.852e-01	0.185	1.0000
3RevT1 - 2SanT1	-1.228e-01	1.934e-01	-0.635	1.0000
3RevT2 - 2SanT1	3.037e-01	1.674e-01	1.814	0.9354
3RevT3 - 2SanT1	-2.656e-02	1.750e-01	-0.152	1.0000
3RevT4 - 2SanT1	-3.659e-01	1.985e-01	-1.844	0.9271
3RevT5 - 2SanT1	-1.036e+00	2.482e-01	-4.175	<0.01 **
3RevT6 - 2SanT1	-9.491e-01	2.404e-01	-3.948	<0.01 **
2SanT3 - 2SanT2	-2.553e-01	1.796e-01	-1.422	0.9944
2SanT4 - 2SanT2	-1.355e-01	1.738e-01	-0.780	1.0000
2SanT5 - 2SanT2	-2.857e-02	1.690e-01	-0.169	1.0000
2SanT6 - 2SanT2	-1.012e-01	1.796e-01	-0.563	1.0000
3RevT1 - 2SanT2	-2.584e-01	1.880e-01	-1.374	0.9963
3RevT2 - 2SanT2	1.681e-01	1.612e-01	1.043	0.9999
3RevT3 - 2SanT2	-1.621e-01	1.690e-01	-0.959	1.0000
3RevT4 - 2SanT2	-5.015e-01	1.932e-01	-2.595	0.4426
3RevT5 - 2SanT2	-1.172e+00	2.440e-01	-4.802	<0.001 ***
3RevT6 - 2SanT2	-1.085e+00	2.361e-01	-4.594	<0.001 ***

2SanT4 - 2SanT3	1.198e-01	1.852e-01	0.647	1.0000
2SanT5 - 2SanT3	2.268e-01	1.808e-01	1.255	0.9987
2SanT6 - 2SanT3	1.542e-01	1.907e-01	0.808	1.0000
3RevT1 - 2SanT3	-3.035e-03	1.986e-01	-0.015	1.0000
3RevT2 - 2SanT3	4.235e-01	1.735e-01	2.441	0.5610
3RevT3 - 2SanT3	9.324e-02	1.808e-01	0.516	1.0000
3RevT4 - 2SanT3	-2.461e-01	2.036e-01	-1.209	0.9992
3RevT5 - 2SanT3	-9.163e-01	2.523e-01	-3.632	0.0293 *
3RevT6 - 2SanT3	-8.293e-01	2.446e-01	-3.390	0.0648
2SanT5 - 2SanT4	1.070e-01	1.750e-01	0.611	1.0000
2SanT6 - 2SanT4	3.435e-02	1.852e-01	0.185	1.0000
3RevT1 - 2SanT4	-1.228e-01	1.934e-01	-0.635	1.0000
3RevT2 - 2SanT4	3.037e-01	1.674e-01	1.814	0.9361
3RevT3 - 2SanT4	-2.656e-02	1.750e-01	-0.152	1.0000
3RevT4 - 2SanT4	-3.659e-01	1.985e-01	-1.844	0.9271
3RevT5 - 2SanT4	-1.036e+00	2.482e-01	-4.175	<0.01 **
3RevT6 - 2SanT4	-9.491e-01	2.404e-01	-3.948	<0.01 **
2SanT6 - 2SanT5	-7.262e-02	1.808e-01	-0.402	1.0000
3RevT1 - 2SanT5	-2.298e-01	1.891e-01	-1.215	0.9992
3RevT2 - 2SanT5	1.967e-01	1.625e-01	1.211	0.9992
3RevT3 - 2SanT5	-1.335e-01	1.703e-01	-0.784	1.0000
3RevT4 - 2SanT5	-4.729e-01	1.943e-01	-2.434	0.5662
3RevT5 - 2SanT5	-1.143e+00	2.448e-01	-4.669	<0.001 ***
3RevT6 - 2SanT5	-1.056e+00	2.370e-01	-4.456	<0.01 **
3RevT1 - 2SanT6	-1.572e-01	1.986e-01	-0.791	1.0000
3RevT2 - 2SanT6	2.693e-01	1.735e-01	1.553	0.9853
3RevT3 - 2SanT6	-6.091e-02	1.808e-01	-0.337	1.0000
3RevT4 - 2SanT6	-4.003e-01	2.036e-01	-1.966	0.8776
3RevT5 - 2SanT6	-1.070e+00	2.523e-01	-4.243	<0.01 **
3RevT6 - 2SanT6	-9.834e-01	2.446e-01	-4.020	<0.01 **
3RevT2 - 3RevT1	4.265e-01	1.822e-01	2.341	0.6388
3RevT3 - 3RevT1	9.628e-02	1.891e-01	0.509	1.0000
3RevT4 - 3RevT1	-2.431e-01	2.110e-01	-1.152	0.9996
3RevT5 - 3RevT1	-9.133e-01	2.583e-01	-3.535	0.0398 *
3RevT6 - 3RevT1	-8.262e-01	2.509e-01	3.293	0.0837
3RevT3 - 3RevT2	-3.302e-01	1.625e-01	-2.033	0.8441
3RevT4 - 3RevT2	-6.696e-01	1.875e-01	-3.571	0.0357 *
3RevT5 - 3RevT2	-1.340e+00	2.395e-01	-5.594	<0.001 ***
3RevT6 - 3RevT2	-1.253e+00	2.315e-01	-5.413	<0.001 ***
3RevT4 - 3RevT3	-3.394e-01	1.943e-01	-1.747	0.9539
3RevT5 - 3RevT3	-1.010e+00	2.448e-01	-4.123	<0.01 **
3RevT6 - 3RevT3	-9.225e-01	2.370e-01	-3.893	0.0109 *
3RevT5 - 3RevT4	-6.702e-01	2.621e-01	-2.557	0.4727
3RevT6 - 3RevT4	-5.831e-01	2.548e-01	-2.289	0.6780
3RevT6 - 3RevT5	8.701e-02	2.952e-01	0.295	1.0000

Table S9. Tukey test comparisons for chestnut leaves total abundance (N). Significance codes: *** ≤ 0.001 ; ** ≤ 0.01 ; * ≤ 0.05 .

Comparison	Estimate	Std. Error	Z Value	p-Value
1CriT2 - 1CriT1	0.98131	0.38042	2.580	0.4680
1CriT3 - 1CriT1	1.17100	0.39533	2.962	0.2160
1CriT4 - 1CriT1	1.01283	0.36849	2.749	0.3434
1CriT5 - 1CriT1	1.27441	0.39516	3.225	0.1087
1CriT6 - 1CriT1	1.22536	0.41562	2.948	0.2250
2SanT1 - 1CriT1	-0.76104	0.38928	-1.955	0.8887
2SanT2 - 1CriT1	0.84177	0.38071	2.211	0.7459
2SanT3 - 1CriT1	0.72544	0.38098	1.904	0.9098
2SanT4 - 1CriT1	0.85499	0.38068	2.246	0.7208
2SanT5 - 1CriT1	0.58521	0.38134	1.535	0.9880
2SanT6 - 1CriT1	1.19991	0.39528	3.036	0.1823
3RevT1 - 1CriT1	-0.31508	0.40133	-0.785	1.0000
3RevT2 - 1CriT1	0.36743	0.38203	0.962	1.0000
3RevT3 - 1CriT1	-0.79252	0.37686	-2.103	0.8139
3RevT4 - 1CriT1	0.44459	0.38177	1.165	0.9996
3RevT5 - 1CriT1	-2.46579	0.43443	-5.676	<0.001 ***
3RevT6 - 1CriT1	-2.33795	0.42810	-5.461	<0.001 ***
1CriT3 - 1CriT2	0.18969	0.39227	0.484	1.0000
1CriT4 - 1CriT2	0.03152	0.36520	0.086	1.0000
1CriT5 - 1CriT2	0.29309	0.39209	0.748	1.0000
1CriT6 - 1CriT2	0.24405	0.41271	0.591	1.0000
2SanT1 - 1CriT2	-1.74235	0.38617	-4.512	<0.001 ***
2SanT2 - 1CriT2	-0.13954	0.37752	-0.370	1.0000
2SanT3 - 1CriT2	-0.25587	0.37779	-0.677	1.0000
2SanT4 - 1CriT2	-0.12632	0.37749	-0.335	1.0000
2SanT5 - 1CriT2	-0.39610	0.37817	-1.047	0.9999
2SanT6 - 1CriT2	0.21860	0.39222	0.557	1.0000
3RevT1 - 1CriT2	-1.29639	0.39831	-3.255	0.0999
3RevT2 - 1CriT2	-0.61388	0.37886	-1.620	0.9789
3RevT3 - 1CriT2	-1.77383	0.37364	-4.747	<0.001 ***
3RevT4 - 1CriT2	-0.53672	0.37860	-1.418	0.9950
3RevT5 - 1CriT2	-3.44710	0.43164	-7.986	<0.001 ***
3RevT6 - 1CriT2	-3.31926	0.42528	-7.805	<0.001 ***
1CriT4 - 1CriT3	-0.15817	0.38071	-0.415	1.0000
1CriT5 - 1CriT3	0.10340	0.40658	0.254	1.0000
1CriT6 - 1CriT3	0.05436	0.42649	0.127	1.0000
2SanT1 - 1CriT3	-1.93204	0.40086	-4.820	<0.001 ***
2SanT2 - 1CriT3	-0.32924	0.39254	-0.839	1.0000
2SanT3 - 1CriT3	-0.44556	0.39280	-1.134	0.9997
2SanT4 - 1CriT3	-0.31601	0.39252	-0.805	1.0000
2SanT5 - 1CriT3	-0.58579	0.39316	-1.490	0.9913
2SanT6 - 1CriT3	0.02891	0.40670	0.071	1.0000
3RevT1 - 1CriT3	-1.48608	0.41257	-3.602	0.0334 *
3RevT2 - 1CriT3	-0.80358	0.39383	-2.040	0.8482
3RevT3 - 1CriT3	-1.96352	0.38881	-5.050	<0.001 ***
3RevT4 - 1CriT3	-0.72642	0.39358	-1.846	0.9303
3RevT5 - 1CriT3	-3.63679	0.44484	-8.176	<0.001 ***
3RevT6 - 1CriT3	-3.50896	0.43866	-7.999	<0.001 ***
1CriT5 - 1CriT4	0.26158	0.38053	0.687	1.0000
1CriT6 - 1CriT4	0.21254	0.40174	0.529	1.0000
2SanT1 - 1CriT4	-1.77387	0.37442	-4.738	<0.001 ***
2SanT2 - 1CriT4	-0.17106	0.36550	-0.468	1.0000

2SanT3 - 1CriT4	-0.28739	0.36578	-0.786	1.0000
2SanT4 - 1CriT4	-0.15784	0.36547	-0.432	1.0000
2SanT5 - 1CriT4	-0.42762	0.36616	-1.168	0.9995
2SanT6 - 1CriT4	0.18708	0.38066	0.491	1.0000
3RevT1 - 1CriT4	-1.32791	0.38693	-3.432	0.0594
3RevT2 - 1CriT4	-0.64540	0.36688	-1.759	0.9539
3RevT3 - 1CriT4	-1.80535	0.36149	-4.994	<0.001 ***
3RevT4 - 1CriT4	-0.56824	0.36661	-1.550	0.9869
3RevT5 - 1CriT4	-3.47861	0.42117	-8.259	<0.001 ***
3RevT6 - 1CriT4	-3.35078	0.41464	-8.081	<0.001 ***
1CriT6 - 1CriT5	-0.04904	0.42633	-0.115	1.0000
2SanT1 - 1CriT5	-2.03544	0.40069	-5.080	<0.001 ***
2SanT2 - 1CriT5	-0.43264	0.39237	-1.103	0.9998
2SanT3 - 1CriT5	-0.54897	0.39263	-1.398	0.9958
2SanT4 - 1CriT5	-0.41942	0.39234	-1.069	0.9999
2SanT5 - 1CriT5	-0.68920	0.39299	-1.754	0.9550
2SanT6 - 1CriT5	-0.07450	0.40653	-0.183	1.0000
3RevT1 - 1CriT5	-1.58949	0.41241	-3.854	0.0146 *
3RevT2 - 1CriT5	-0.90698	0.39365	-2.304	0.6783
3RevT3 - 1CriT5	-2.06693	0.38864	-5.318	<0.001 ***
3RevT4 - 1CriT5	-0.82982	0.39340	-2.109	0.8100
3RevT5 - 1CriT5	-3.74019	0.44468	-8.411	<0.001 ***
3RevT6 - 1CriT5	-3.61236	0.43851	-8.238	<0.001 ***
2SanT1 - 1CriT6	-1.98640	0.42089	-4.720	<0.001 ***
2SanT2 - 1CriT6	-0.38360	0.41297	-0.929	1.0000
2SanT3 - 1CriT6	-0.49993	0.41322	-1.210	0.9993
2SanT4 - 1CriT6	-0.37037	0.41295	-0.897	1.0000
2SanT5 - 1CriT6	-0.64015	0.41356	-1.548	0.9870
2SanT6 - 1CriT6	-0.02545	0.42645	-0.060	1.0000
3RevT1 - 1CriT6	-1.54045	0.43206	-3.565	0.0381 *
3RevT2 - 1CriT6	-0.85794	0.41419	-2.071	0.8311
3RevT3 - 1CriT6	-2.01788	0.40943	-4.929	<0.001 ***
3RevT4 - 1CriT6	-0.78078	0.41395	-1.886	0.9178
3RevT5 - 1CriT6	-3.69115	0.46296	-7.973	<0.001 ***
3RevT6 - 1CriT6	-3.56332	0.45704	-7.797	<0.001 ***
2SanT2 - 2SanT1	1.60280	0.38645	4.148	<0.01 **
2SanT3 - 2SanT1	1.48648	0.38671	3.844	0.0148 *
2SanT4 - 2SanT1	1.61603	0.38642	4.182	<0.01 **
2SanT5 - 2SanT1	1.34625	0.38708	3.478	0.0510
2SanT6 - 2SanT1	1.96095	0.40081	4.892	<0.001 ***
3RevT1 - 2SanT1	0.44596	0.40678	1.096	0.9998
3RevT2 - 2SanT1	1.12847	0.38775	2.910	0.2456
3RevT3 - 2SanT1	-0.03148	0.38266	-0.082	1.0000
3RevT4 - 2SanT1	1.20562	0.38749	3.111	0.1505
3RevT5 - 2SanT1	-1.70475	0.43947	-3.879	0.0131 *
3RevT6 - 2SanT1	-1.57691	0.43322	-3.640	0.0296 *
2SanT3 - 2SanT2	-0.11633	0.37808	-0.308	1.0000
2SanT4 - 2SanT2	0.01322	0.37778	0.035	1.0000
2SanT5 - 2SanT2	-0.25656	0.37845	-0.678	1.0000
2SanT6 - 2SanT2	0.35814	0.39249	0.912	1.0000
3RevT1 - 2SanT2	-1.15685	0.39858	-2.902	0.2486
3RevT2 - 2SanT2	-0.47434	0.37914	-1.251	0.9989
3RevT3 - 2SanT2	-1.63429	0.37393	-4.371	<0.01 **
3RevT4 - 2SanT2	-0.39718	0.37888	-1.048	0.9999
3RevT5 - 2SanT2	-3.30755	0.43189	-7.658	<0.001 ***
3RevT6 - 2SanT2	-3.17972	0.42553	-7.472	<0.001 ***

2SanT4 - 2SanT3	0.12955	0.37805	0.343	1.0000
2SanT5 - 2SanT3	-0.14023	0.37872	-0.370	1.0000
2SanT6 - 2SanT3	0.47447	0.39275	1.208	0.9993
3RevT1 - 2SanT3	-1.04052	0.39884	-2.609	0.4449
3RevT2 - 2SanT3	-0.35801	0.37941	-0.944	1.0000
3RevT3 - 2SanT3	-1.51796	0.37421	-4.056	<0.01 **
3RevT4 - 2SanT3	-0.28085	0.37915	-0.741	1.0000
3RevT5 - 2SanT3	-3.19122	0.43213	-7.385	<0.001 ***
3RevT6 - 2SanT3	-3.06339	0.42577	-7.195	<0.001 ***
2SanT5 - 2SanT4	-0.26978	0.37842	-0.713	1.0000
2SanT6 - 2SanT4	0.34492	0.39246	0.879	1.0000
3RevT1 - 2SanT4	-1.17007	0.39855	-2.936	0.2305
3RevT2 - 2SanT4	-0.48756	0.37911	-1.286	0.9984
3RevT3 - 2SanT4	-1.64751	0.37390	-4.406	<0.01 **
3RevT4 - 2SanT4	-0.41040	0.37885	-1.083	0.9998
3RevT5 - 2SanT4	-3.32078	0.43187	-7.689	<0.001 ***
3RevT6 - 2SanT4	-3.19294	0.42550	-7.504	<0.001 ***
2SanT6 - 2SanT5	0.61470	0.39311	1.564	0.9852
3RevT1 - 2SanT5	-0.90029	0.39919	-2.255	0.7143
3RevT2 - 2SanT5	-0.21778	0.37978	-0.573	1.0000
3RevT3 - 2SanT5	-1.37773	0.37458	-3.678	0.0276 *
3RevT4 - 2SanT5	-0.14062	0.37952	-0.371	1.0000
3RevT5 - 2SanT5	-3.05099	0.43245	-7.055	<0.001 ***
3RevT6 - 2SanT5	-2.92316	0.42610	-6.860	<0.001 ***
3RevT1 - 2SanT6	-1.51499	0.41253	-3.672	0.0270 *
3RevT2 - 2SanT6	-0.83248	0.39378	-2.114	0.8062
3RevT3 - 2SanT6	-1.99243	0.38876	-5.125	<0.001 ***
3RevT4 - 2SanT6	-0.75532	0.39353	-1.919	0.9036
3RevT5 - 2SanT6	-3.66570	0.44479	-8.241	<0.001 ***
3RevT6 - 2SanT6	-3.53786	0.43862	-8.066	<0.001 ***
3RevT2 - 3RevT1	0.68251	0.39985	1.707	0.9654
3RevT3 - 3RevT1	-0.47744	0.39491	-1.209	0.9993
3RevT4 - 3RevT1	0.75967	0.39960	1.901	0.9113
3RevT5 - 3RevT1	-2.15070	0.45017	-4.777	<0.001 ***
3RevT6 - 3RevT1	-2.02287	0.44408	-4.555	<0.001 ***
3RevT3 - 3RevT2	-1.15995	0.37528	-3.091	0.1570
3RevT4 - 3RevT2	0.07716	0.38021	0.203	1.0000
3RevT5 - 3RevT2	-2.83321	0.43306	-6.542	<0.001 ***
3RevT6 - 3RevT2	-2.70538	0.42672	-6.340	<0.001 ***
3RevT4 - 3RevT3	1.23711	0.37502	3.299	0.0904
3RevT5 - 3RevT3	-1.67327	0.42850	-3.905	0.0119 *
3RevT6 - 3RevT3	-1.54543	0.42209	-3.661	0.0284 *
3RevT5 - 3RevT4	-2.91037	0.43283	-6.724	<0.001 ***
3RevT6 - 3RevT4	-2.78254	0.42648	-6.524	<0.001 ***
3RevT6 - 3RevT5	0.12783	0.47420	0.270	1.0000

Table S10. Tukey test comparisons for chestnut leaves EPT richness (EPTS). Significance codes:
 *** ≤ 0.001 ; ** ≤ 0.01 ; * ≤ 0.05 .

Comparison	Estimate	Std. Error	Z Value	p-Value
1CriT2 - 1CriT1	1.178e-01	1.984e-01	0.594	1.0000
1CriT3 - 1CriT1	-1.335e-01	2.205e-01	-0.606	1.0000
1CriT4 - 1CriT1	-7.859e-01	2.466e-01	-3.186	0.1110
1CriT5 - 1CriT1	-9.445e-01	2.887e-01	-3.272	0.0876
1CriT6 - 1CriT1	-8.267e-01	2.958e-01	-2.795	0.2944
2SanT1 - 1CriT1	-1.576e-01	2.127e-01	-0.741	1.0000
2SanT2 - 1CriT1	1.892e-01	1.951e-01	0.970	1.0000
2SanT3 - 1CriT1	-1.100e-01	2.100e-01	-0.524	1.0000
2SanT4 - 1CriT1	-4.256e-02	2.063e-01	-0.206	1.0000
2SanT5 - 1CriT1	1.178e-01	1.984e-01	0.594	1.0000
2SanT6 - 1CriT1	-5.349e-02	2.156e-01	-0.248	1.0000
3RevT1 - 1CriT1	-2.513e-01	2.282e-01	-1.101	0.9997
3RevT2 - 1CriT1	1.892e-01	1.951e-01	0.970	1.0000
3RevT3 - 1CriT1	-7.291e-02	2.011e-01	-0.363	1.0000
3RevT4 - 1CriT1	-4.372e-01	2.304e-01	-1.898	0.9022
3RevT5 - 1CriT1	-1.386e+00	3.227e-01	-4.295	<0.01 **
3RevT6 - 1CriT1	-2.485e+00	5.204e-01	-4.775	<0.001 ***
1CriT3 - 1CriT2	-2.513e-01	2.152e-01	-1.168	0.9994
1CriT4 - 1CriT2	-9.036e-01	2.419e-01	-3.735	0.0187 *
1CriT5 - 1CriT2	-1.062e+00	2.846e-01	-3.732	0.0190 *
1CriT6 - 1CriT2	-9.445e-01	2.919e-01	-3.236	0.0972
2SanT1 - 1CriT2	-2.754e-01	2.071e-01	-1.330	0.9973
2SanT2 - 1CriT2	7.146e-02	1.891e-01	0.378	1.0000
2SanT3 - 1CriT2	-2.278e-01	2.044e-01	-1.114	0.9997
2SanT4 - 1CriT2	-1.603e-01	2.006e-01	-0.799	1.0000
2SanT5 - 1CriT2	1.249e-16	1.925e-01	0.000	1.0000
2SanT6 - 1CriT2	-1.713e-01	2.101e-01	-0.815	1.0000
3RevT1 - 1CriT2	-3.691e-01	2.231e-01	-1.654	0.9703
3RevT2 - 1CriT2	7.146e-02	1.891e-01	0.378	1.0000
3RevT3 - 1CriT2	-1.907e-01	1.953e-01	-0.977	0.9999
3RevT4 - 1CriT2	-5.550e-01	2.253e-01	-2.463	0.5309
3RevT5 - 1CriT2	-1.504e+00	3.191e-01	-4.713	<0.001 ***
3RevT6 - 1CriT2	-2.603e+00	5.182e-01	-5.023	<0.001 ***
1CriT4 - 1CriT3	-6.523e-01	2.603e-01	-2.506	0.4994
1CriT5 - 1CriT3	-8.109e-01	3.005e-01	-2.699	0.3554
1CriT6 - 1CriT3	-6.931e-01	3.073e-01	-2.255	0.6922
2SanT1 - 1CriT3	-2.410e-02	2.284e-01	-0.106	1.0000
2SanT2 - 1CriT3	3.228e-01	2.122e-01	1.521	0.9873
2SanT3 - 1CriT3	2.353e-02	2.259e-01	0.104	1.0000
2SanT4 - 1CriT3	9.097e-02	2.225e-01	0.409	1.0000
2SanT5 - 1CriT3	2.513e-01	2.152e-01	1.168	0.9994
2SanT6 - 1CriT3	8.004e-02	2.311e-01	0.346	1.0000
3RevT1 - 1CriT3	-1.178e-01	2.430e-01	-0.485	1.0000
3RevT2 - 1CriT3	3.228e-01	2.122e-01	1.521	0.9872
3RevT3 - 1CriT3	6.062e-02	2.177e-01	0.279	1.0000
3RevT4 - 1CriT3	-3.037e-01	2.450e-01	-1.239	0.9988
3RevT5 - 1CriT3	-1.253e+00	3.333e-01	-3.758	0.0176 *
3RevT6 - 1CriT3	-2.351e+00	5.270e-01	-4.461	<0.001 ***
1CriT5 - 1CriT4	-1.586e-01	3.202e-01	-0.495	1.0000
1CriT6 - 1CriT4	-4.082e-02	3.266e-01	-0.125	1.0000
2SanT1 - 1CriT4	6.282e-01	2.538e-01	2.476	0.5223
2SanT2 - 1CriT4	9.751e-01	2.393e-01	4.076	<0.01 **

2SanT3 - 1CriT4	6.759e-01	2.515e-01	2.687	0.3640
2SanT4 - 1CriT4	7.433e-01	2.485e-01	2.991	0.1861
2SanT5 - 1CriT4	9.036e-01	2.419e-01	3.735	0.0188 *
2SanT6 - 1CriT4	7.324e-01	2.562e-01	2.859	0.2551
3RevT1 - 1CriT4	5.345e-01	2.669e-01	2.003	0.8540
3RevT2 - 1CriT4	9.751e-01	2.393e-01	4.076	<0.01 **
3RevT3 - 1CriT4	7.129e-01	2.441e-01	2.920	0.2211
3RevT4 - 1CriT4	3.486e-01	2.688e-01	1.297	0.9979
3RevT5 - 1CriT4	-6.004e-01	3.512e-01	-1.710	0.9592
3RevT6 - 1CriT4	-1.699e+00	5.385e-01	-3.155	0.1213
1CriT6 - 1CriT5	1.178e-01	3.594e-01	0.328	1.0000
2SanT1 - 1CriT5	7.868e-01	2.948e-01	2.669	0.3765
2SanT2 - 1CriT5	1.134e+00	2.824e-01	4.015	<0.01 **
2SanT3 - 1CriT5	8.345e-01	2.928e-01	2.850	0.2598
2SanT4 - 1CriT5	9.019e-01	2.902e-01	3.107	0.1401
2SanT5 - 1CriT5	1.062e+00	2.846e-01	3.732	0.0190 *
2SanT6 - 1CriT5	8.910e-01	2.969e-01	3.001	0.1813
3RevT1 - 1CriT5	6.931e-01	3.062e-01	2.264	0.6860
3RevT2 - 1CriT5	1.134e+00	2.824e-01	4.015	<0.01 **
3RevT3 - 1CriT5	8.716e-01	2.865e-01	3.042	0.1656
3RevT4 - 1CriT5	5.072e-01	3.078e-01	1.648	0.9717
3RevT5 - 1CriT5	-4.418e-01	3.819e-01	-1.157	0.9995
3RevT6 - 1CriT5	-1.540e+00	5.590e-01	-2.756	0.3193
2SanT1 - 1CriT6	6.690e-01	3.018e-01	2.217	0.7201
2SanT2 - 1CriT6	1.016e+00	2.897e-01	3.507	0.0411 *
2SanT3 - 1CriT6	7.167e-01	2.999e-01	2.390	0.5904
2SanT4 - 1CriT6	7.841e-01	2.973e-01	2.637	0.3991
2SanT5 - 1CriT6	9.445e-01	2.919e-01	3.236	0.0954
2SanT6 - 1CriT6	7.732e-01	3.038e-01	2.545	0.4699
3RevT1 - 1CriT6	5.754e-01	3.129e-01	1.839	0.9244
3RevT2 - 1CriT6	1.016e+00	2.897e-01	3.507	0.0414 *
3RevT3 - 1CriT6	7.538e-01	2.937e-01	2.566	0.4514
3RevT4 - 1CriT6	3.895e-01	3.145e-01	1.238	0.9988
3RevT5 - 1CriT6	-5.596e-01	3.873e-01	-1.445	0.9928
3RevT6 - 1CriT6	-1.658e+00	5.627e-01	-2.947	0.2072
2SanT2 - 2SanT1	3.469e-01	2.040e-01	1.700	0.9614
2SanT3 - 2SanT1	4.763e-02	2.183e-01	0.218	1.0000
2SanT4 - 2SanT1	1.151e-01	2.148e-01	0.536	1.0000
2SanT5 - 2SanT1	2.754e-01	2.071e-01	1.330	0.9973
2SanT6 - 2SanT1	1.041e-01	2.237e-01	0.466	1.0000
3RevT1 - 2SanT1	-9.369e-02	2.359e-01	-0.397	1.0000
3RevT2 - 2SanT1	3.469e-01	2.040e-01	1.700	0.9614
3RevT3 - 2SanT1	8.472e-02	2.098e-01	0.404	1.0000
3RevT4 - 2SanT1	-2.796e-01	2.380e-01	-1.175	0.9994
3RevT5 - 2SanT1	-1.229e+00	3.282e-01	-3.744	0.0182 *
3RevT6 - 2SanT1	-2.327e+00	5.238e-01	-4.443	<0.01 **
2SanT3 - 2SanT2	-2.992e-01	2.012e-01	-1.487	0.9901
2SanT4 - 2SanT2	-2.318e-01	1.974e-01	-1.174	0.9994
2SanT5 - 2SanT2	-7.146e-02	1.891e-01	-0.378	1.0000
2SanT6 - 2SanT2	-2.427e-01	2.071e-01	-1.172	0.9994
3RevT1 - 2SanT2	-4.406e-01	2.202e-01	-2.001	0.8539
3RevT2 - 2SanT2	2.498e-16	1.857e-01	0.000	1.0000
3RevT3 - 2SanT2	-2.621e-01	1.920e-01	-1.366	0.9962
3RevT4 - 2SanT2	-6.265e-01	2.225e-01	-2.816	0.2816
3RevT5 - 2SanT2	-1.576e+00	3.171e-01	-4.968	<0.001 ***
3RevT6 - 2SanT2	-2.674e+00	5.170e-01	-5.173	<0.001 ***

2SanT4 - 2SanT3	6.744e-02	2.121e-01	0.318	1.0000
2SanT5 - 2SanT3	2.278e-01	2.044e-01	1.114	0.9997
2SanT6 - 2SanT3	5.651e-02	2.211e-01	0.256	1.0000
3RevT1 - 2SanT3	-1.413e-01	2.335e-01	-0.605	1.0000
3RevT2 - 2SanT3	2.992e-01	2.012e-01	1.487	0.9900
3RevT4 - 2SanT3	-3.272e-01	2.356e-01	-1.389	0.9953
3RevT5 - 2SanT3	-1.276e+00	3.265e-01	-3.909	0.0103 *
3RevT6 - 2SanT3	-2.375e+00	5.227e-01	-4.543	<0.001 ***
2SanT5 - 2SanT4	1.603e-01	2.006e-01	0.799	1.0000
2SanT6 - 2SanT4	-1.093e-02	2.177e-01	-0.050	1.0000
3RevT1 - 2SanT4	-2.088e-01	2.302e-01	-0.907	1.0000
3RevT2 - 2SanT4	2.318e-01	1.974e-01	1.174	0.9994
3RevT3 - 2SanT4	-3.035e-02	2.033e-01	-0.149	1.0000
3RevT4 - 2SanT4	-3.947e-01	2.324e-01	-1.698	0.9623
3RevT5 - 2SanT4	-1.344e+00	3.241e-01	-4.145	<0.01 **
3RevT6 - 2SanT4	-2.442e+00	5.213e-01	-4.685	<0.001 ***
2SanT6 - 2SanT5	-1.713e-01	2.101e-01	-0.815	1.0000
3RevT1 - 2SanT5	-3.691e-01	2.231e-01	-1.654	0.9703
3RevT2 - 2SanT5	7.146e-02	1.891e-01	0.378	1.0000
3RevT3 - 2SanT5	-1.907e-01	1.953e-01	-0.977	1.0000
3RevT4 - 2SanT5	-5.550e-01	2.253e-01	-2.463	0.5304
3RevT5 - 2SanT5	-1.504e+00	3.191e-01	-4.713	<0.001 ***
3RevT6 - 2SanT5	-2.603e+00	5.182e-01	-5.023	<0.001 ***
3RevT1 - 2SanT6	-1.978e-01	2.385e-01	-0.829	1.0000
3RevT2 - 2SanT6	2.427e-01	2.071e-01	1.172	0.9994
3RevT3 - 2SanT6	-1.942e-02	2.127e-01	-0.091	1.0000
3RevT4 - 2SanT6	-3.837e-01	2.406e-01	-1.595	0.9796
3RevT5 - 2SanT6	-1.333e+00	3.301e-01	-4.037	<0.01 **
3RevT6 - 2SanT6	-2.431e+00	5.250e-01	-4.631	<0.001 ***
3RevT2 - 3RevT1	4.406e-01	2.202e-01	2.001	0.8544
3RevT3 - 3RevT1	1.784e-01	2.255e-01	0.791	1.0000
3RevT4 - 3RevT1	-1.859e-01	2.520e-01	-0.738	1.0000
3RevT5 - 3RevT1	-1.135e+00	3.385e-01	-3.353	0.0679
3RevT6 - 3RevT1	-2.234e+00	5.303e-01	-4.212	<0.01 **
3RevT3 - 3RevT2	-2.621e-01	1.920e-01	-1.366	0.9962
3RevT4 - 3RevT2	-6.265e-01	2.225e-01	-2.816	0.2792
3RevT5 - 3RevT2	-1.576e+00	3.171e-01	-4.968	<0.001 ***
3RevT6 - 3RevT2	-2.674e+00	5.170e-01	-5.173	<0.001 ***
3RevT4 - 3RevT3	-3.643e-01	2.277e-01	-1.600	0.9789
3RevT5 - 3RevT3	-1.313e+00	3.208e-01	-4.094	<0.01 **
3RevT6 - 3RevT3	-2.412e+00	5.192e-01	-4.645	<0.001 ***
3RevT5 - 3RevT4	-9.491e-01	3.400e-01	-2.792	0.2952
3RevT6 - 3RevT4	-2.048e+00	5.313e-01	-3.854	0.0121 *
3RevT6 - 3RevT5	-1.099e+00	5.774e-01	-1.903	0.8994

Table S11. Tukey test comparisons for chestnut leaves EPT abundance (EPTN). Significance codes: *** ≤ 0.001 ; ** ≤ 0.01 ; * ≤ 0.05 .

Comparison	Estimate	Std. Error	Z Value	p-Value
1CriT2 - 1CriT1	0.930902	0.272180	3.420	0.0580
1CriT3 - 1CriT1	1.064362	0.282468	3.768	0.0165 *
1CriT4 - 1CriT1	0.296169	0.266344	1.112	0.9997
1CriT5 - 1CriT1	0.200671	0.286667	0.700	1.0000
1CriT6 - 1CriT1	0.754841	0.298050	2.533	0.4835
2SanT1 - 1CriT1	-2.264364	0.337701	-6.705	<0.001 ***
2SanT2 - 1CriT1	-1.151958	0.293384	-3.926	0.0102 *
2SanT3 - 1CriT1	-1.658228	0.308387	-5.377	<0.001 ***
2SanT4 - 1CriT1	-0.507944	0.282081	-1.801	0.9380
2SanT5 - 1CriT1	-0.500775	0.281990	-1.776	0.9452
2SanT6 - 1CriT1	0.145455	0.287076	0.507	1.0000
3RevT1 - 1CriT1	-2.343828	0.361493	-6.484	<0.001 ***
3RevT2 - 1CriT1	-0.953781	0.289156	-3.299	0.0825
3RevT3 - 1CriT1	-1.465075	0.290716	-5.040	<0.001 ***
3RevT4 - 1CriT1	-1.704748	0.310137	-5.497	<0.001 ***
3RevT5 - 1CriT1	-3.496508	0.463931	-7.537	<0.001 ***
3RevT6 - 1CriT1	-4.343805	0.636953	-6.820	<0.001 ***
1CriT3 - 1CriT2	0.133460	0.277787	0.480	1.0000
1CriT4 - 1CriT2	-0.634733	0.261375	-2.428	0.5661
1CriT5 - 1CriT2	-0.730231	0.282056	-2.589	0.4420
1CriT6 - 1CriT2	-0.176061	0.293617	-0.600	1.0000
2SanT1 - 1CriT2	-3.195266	0.333795	-9.573	<0.001 ***
2SanT2 - 1CriT2	-2.082860	0.288880	-7.210	<0.001 ***
2SanT3 - 1CriT2	-2.589130	0.304105	-8.514	<0.001 ***
2SanT4 - 1CriT2	-1.438846	0.277393	-5.187	<0.001 ***
2SanT5 - 1CriT2	-1.431677	0.277301	-5.163	<0.001 ***
2SanT6 - 1CriT2	-0.785447	0.282471	-2.781	0.3079
3RevT1 - 1CriT2	-3.274730	0.357848	-9.151	<0.001 ***
3RevT2 - 1CriT2	-1.884683	0.284585	-6.623	<0.001 ***
3RevT3 - 1CriT2	-2.395977	0.286170	-8.373	<0.001 ***
3RevT4 - 1CriT2	-2.635650	0.305880	-8.617	<0.001 ***
3RevT5 - 1CriT2	-4.427410	0.461096	-9.602	<0.001 ***
3RevT6 - 1CriT2	-5.274708	0.634891	-8.308	<0.001 ***
1CriT4 - 1CriT3	-0.768194	0.272072	-2.823	0.2805
1CriT5 - 1CriT3	-0.863692	0.291996	-2.958	0.2078
1CriT6 - 1CriT3	-0.309522	0.303179	-1.021	0.9999
2SanT1 - 1CriT3	-3.328726	0.342236	-9.726	<0.001 ***
2SanT2 - 1CriT3	-2.216321	0.298593	-7.423	<0.001 ***
2SanT3 - 1CriT3	-2.722590	0.313347	-8.689	<0.001 ***
2SanT4 - 1CriT3	-1.572306	0.287495	-5.469	<0.001 ***
2SanT5 - 1CriT3	-1.565138	0.287405	-5.446	<0.001 ***
2SanT6 - 1CriT3	-0.918907	0.292398	-3.143	0.1286
3RevT1 - 1CriT3	-3.408190	0.365734	-9.319	<0.001 ***
3RevT2 - 1CriT3	-2.018144	0.294440	-6.854	<0.001 ***
3RevT3 - 1CriT3	-2.529438	0.295972	-8.546	<0.001 ***
3RevT4 - 1CriT3	-2.769110	0.315069	-8.789	<0.001 ***
3RevT5 - 1CriT3	-4.560870	0.467243	-9.761	<0.001 ***
3RevT6 - 1CriT3	-5.408168	0.639369	-8.459	<0.001 ***
1CriT5 - 1CriT4	-0.095498	0.276429	-0.345	1.0000
1CriT6 - 1CriT4	0.458672	0.288216	1.591	0.9806
2SanT1 - 1CriT4	-2.560533	0.329055	-7.781	<0.001 ***
2SanT2 - 1CriT4	-1.448127	0.283388	-5.110	<0.001 ***

2SanT3 - 1CriT4	-1.954397	0.298894	-6.539	<0.001 ***
2SanT4 - 1CriT4	-0.804112	0.271670	-2.960	0.2071
2SanT5 - 1CriT4	-0.796944	0.271575	-2.935	0.2178
2SanT6 - 1CriT4	-0.150714	0.276853	-0.544	1.0000
3RevT1 - 1CriT4	-2.639997	0.353429	-7.470	<0.001 ***
3RevT2 - 1CriT4	-1.249950	0.279009	-4.480	<0.001 ***
3RevT3 - 1CriT4	-1.761244	0.280626	-6.276	<0.001 ***
3RevT4 - 1CriT4	-2.000917	0.300699	-6.654	<0.001 ***
3RevT5 - 1CriT4	-3.792676	0.457676	-8.287	<0.001 ***
3RevT6 - 1CriT4	-4.639974	0.632411	-7.337	<0.001 ***
1CriT6 - 1CriT5	0.554170	0.307095	1.805	0.9365
2SanT1 - 1CriT5	-2.465035	0.345710	-7.130	<0.001 ***
2SanT2 - 1CriT5	-1.352629	0.302568	-4.470	<0.001 ***
2SanT3 - 1CriT5	-1.858899	0.317138	-5.861	<0.001 ***
2SanT4 - 1CriT5	-0.708614	0.291622	-2.430	0.5648
2SanT5 - 1CriT5	-0.701446	0.291534	-2.406	0.5833
2SanT6 - 1CriT5	-0.055216	0.296456	-0.186	1.0000
3RevT1 - 1CriT5	-2.544499	0.368987	-6.896	<0.001 ***
3RevT2 - 1CriT5	-1.154452	0.298471	-3.868	0.0125 *
3RevT3 - 1CriT5	-1.665746	0.299983	-5.553	<0.001 ***
3RevT4 - 1CriT5	-1.905419	0.318839	-5.976	<0.001 ***
3RevT5 - 1CriT5	-3.697178	0.469794	-7.870	<0.001 ***
3RevT6 - 1CriT5	-4.544476	0.641235	-7.087	<0.001 ***
2SanT1 - 1CriT6	-3.019205	0.355206	-8.500	<0.001 ***
2SanT2 - 1CriT6	-1.906799	0.313374	-6.085	<0.001 ***
2SanT3 - 1CriT6	-2.413069	0.327463	-7.369	<0.001 ***
2SanT4 - 1CriT6	-1.262785	0.302818	-4.170	<0.01 **
2SanT5 - 1CriT6	-1.255616	0.302733	-4.148	<0.01 **
2SanT6 - 1CriT6	-0.609386	0.307477	-1.982	0.8672
3RevT1 - 1CriT6	-3.098669	0.377898	-8.200	<0.001 ***
3RevT2 - 1CriT6	-1.708622	0.309420	-5.522	<0.001 ***
3RevT3 - 1CriT6	-2.219916	0.310878	-7.141	<0.001 ***
3RevT4 - 1CriT6	-2.459589	0.329111	-7.473	<0.001 ***
3RevT5 - 1CriT6	-4.251348	0.476825	-8.916	<0.001 ***
3RevT6 - 1CriT6	-5.098646	0.646404	-7.888	<0.001 ***
2SanT2 - 2SanT1	1.112406	0.351300	3.167	0.1205
2SanT3 - 2SanT1	0.606136	0.363923	1.666	0.9696
2SanT4 - 2SanT1	1.756420	0.341917	5.137	<0.001 ***
2SanT5 - 2SanT1	1.763589	0.341842	5.159	<0.001 ***
2SanT6 - 2SanT1	2.409819	0.346050	6.964	<0.001 ***
3RevT1 - 2SanT1	-0.079464	0.409896	-0.194	1.0000
3RevT2 - 2SanT1	1.310583	0.347777	3.768	0.0169 *
3RevT3 - 2SanT1	0.799289	0.349075	2.290	0.6720
3RevT4 - 2SanT1	0.559616	0.365407	1.531	0.9870
3RevT5 - 2SanT1	-1.232144	0.502564	-2.452	0.5467
3RevT6 - 2SanT1	-2.079442	0.665617	-3.124	0.1366
2SanT3 - 2SanT2	-0.506270	0.323222	-1.566	0.9835
2SanT4 - 2SanT2	0.644014	0.298227	2.159	0.7660
2SanT5 - 2SanT2	0.651183	0.298141	2.184	0.7483
2SanT6 - 2SanT2	1.297413	0.302956	4.283	<0.01 **
3RevT1 - 2SanT2	-1.191870	0.374229	-3.185	0.1152
3RevT2 - 2SanT2	0.198177	0.304928	0.650	1.0000
3RevT3 - 2SanT2	-0.313117	0.306407	-1.022	0.9999
3RevT4 - 2SanT2	-0.552790	0.324891	-1.701	0.9630
3RevT5 - 2SanT2	-2.344549	0.473922	-4.947	<0.001 ***
3RevT6 - 2SanT2	-3.191847	0.644266	-4.954	<0.001 ***

2SanT4 - 2SanT3	1.150284	0.312998	3.675	0.0249 *
2SanT5 - 2SanT3	1.157453	0.312916	3.699	0.0225 *
2SanT6 - 2SanT3	1.803683	0.317507	5.681	<0.001 ***
3RevT1 - 2SanT3	-0.685600	0.386103	-1.776	0.9452
3RevT2 - 2SanT3	0.704447	0.319389	2.206	0.7336
3RevT3 - 2SanT3	0.193153	0.320802	0.602	1.0000
3RevT4 - 2SanT3	-0.046520	0.338501	-0.137	1.0000
3RevT5 - 2SanT3	-1.838279	0.483354	-3.803	0.0158 *
3RevT6 - 2SanT3	-2.685577	0.651235	-4.124	<0.01 **
2SanT5 - 2SanT4	0.007168	0.287025	0.025	1.0000
2SanT6 - 2SanT4	0.653399	0.292024	2.237	0.7110
3RevT1 - 2SanT4	-1.835884	0.365435	-5.024	<0.001 ***
3RevT2 - 2SanT4	-0.445838	0.294069	-1.516	0.9882
3RevT3 - 2SanT4	-0.957131	0.295603	-3.238	0.0987
3RevT4 - 2SanT4	-1.196804	0.314722	-3.803	0.0150 *
3RevT5 - 2SanT4	-2.988564	0.467009	-6.399	<0.001 ***
3RevT6 - 2SanT4	-3.835862	0.639198	-6.001	<0.001 ***
2SanT6 - 2SanT5	0.646230	0.291936	2.214	0.7270
3RevT1 - 2SanT5	-1.843053	0.365365	-5.044	<0.001 ***
3RevT2 - 2SanT5	-0.453006	0.293981	-1.541	0.9859
3RevT3 - 2SanT5	-0.964300	0.295516	-3.263	0.0919
3RevT4 - 2SanT5	-1.203973	0.314641	-3.827	0.0139 *
3RevT5 - 2SanT5	-2.995732	0.466954	-6.415	<0.001 ***
3RevT6 - 2SanT5	-3.843030	0.639158	-6.013	<0.001 ***
3RevT1 - 2SanT6	-2.489283	0.369304	-6.740	<0.001 ***
3RevT2 - 2SanT6	-1.099236	0.298864	-3.678	0.0245 *
3RevT3 - 2SanT6	-1.610530	0.300373	-5.362	<0.001 ***
3RevT4 - 2SanT6	-1.850203	0.319207	-5.796	<0.001 ***
3RevT5 - 2SanT6	-3.641963	0.470043	-7.748	<0.001 ***
3RevT6 - 2SanT6	-4.489260	0.641418	-6.999	<0.001 ***
3RevT2 - 3RevT1	1.390047	0.370924	3.748	0.0187 *
3RevT3 - 3RevT1	0.878753	0.372141	2.361	0.6178
3RevT4 - 3RevT1	0.639080	0.387502	1.649	0.9721
3RevT5 - 3RevT1	-1.152680	0.518850	-2.222	0.7223
3RevT6 - 3RevT1	-1.999977	0.677998	-2.950	0.2094
3RevT3 - 3RevT2	-0.511294	0.302362	-1.691	0.9653
3RevT4 - 3RevT2	-0.750967	0.321079	-2.339	0.6339
3RevT5 - 3RevT2	-2.542726	0.471317	-5.395	<0.001 ***
3RevT6 - 3RevT2	-3.390024	0.642352	-5.278	<0.001 ***
3RevT4 - 3RevT3	-0.239673	0.322485	-0.743	1.0000
3RevT5 - 3RevT3	-2.031432	0.472275	-4.301	<0.01 **
3RevT6 - 3RevT3	-2.878730	0.643055	-4.477	<0.001 ***
3RevT5 - 3RevT4	-1.791759	0.484472	-3.698	0.0233 *
3RevT6 - 3RevT4	-2.639057	0.652065	-4.047	<0.01 **
3RevT6 - 3RevT5	-0.847298	0.737724	-1.149	0.9996

Table S12. Tukey test comparisons for chestnut leaves shredder abundance (ShN). Significance codes: *** ≤ 0.001 ; ** ≤ 0.01 ; * ≤ 0.05 .

Comparison	Estimate	Std. Error	Z Value	p-Value
1CriT2 - 1CriT1	0.88864	0.28269	3.144	0.1221
1CriT3 - 1CriT1	1.09380	0.29316	3.731	0.0196 *
1CriT4 - 1CriT1	0.28398	0.27648	1.027	0.9999
1CriT5 - 1CriT1	0.24946	0.29715	0.840	1.0000
1CriT6 - 1CriT1	0.61273	0.31014	1.976	0.8606
2SanT1 - 1CriT1	-2.99573	0.41104	-7.288	<0.001 ***
2SanT2 - 1CriT1	-1.63243	0.31827	-5.129	<0.001 ***
2SanT3 - 1CriT1	-2.13553	0.34133	-6.257	<0.001 ***
2SanT4 - 1CriT1	-1.13095	0.30352	-3.726	0.0175 *
2SanT5 - 1CriT1	-1.11696	0.30320	-3.684	0.0210 *
2SanT6 - 1CriT1	-0.23553	0.30146	-0.781	1.0000
3RevT1 - 1CriT1	-3.44772	0.50083	-6.884	<0.001 ***
3RevT2 - 1CriT1	-1.78271	0.32414	-5.500	<0.001 ***
3RevT3 - 1CriT1	-2.58272	0.35508	-7.274	<0.001 ***
3RevT4 - 1CriT1	-2.06142	0.33728	-6.112	<0.001 ***
3RevT5 - 1CriT1	-4.70048	0.76029	-6.182	<0.001 ***
3RevT6 - 1CriT1	-5.39363	1.03829	-5.195	<0.001 ***
1CriT3 - 1CriT2	0.20516	0.28856	0.711	1.0000
1CriT4 - 1CriT2	-0.60466	0.27160	-2.226	0.7050
1CriT5 - 1CriT2	-0.63918	0.29261	-2.184	0.7343
1CriT6 - 1CriT2	-0.27591	0.30580	-0.902	1.0000
2SanT1 - 1CriT2	-3.88437	0.40777	-9.526	<0.001 ***
2SanT2 - 1CriT2	-2.52107	0.31404	-8.028	<0.001 ***
2SanT3 - 1CriT2	-3.02417	0.33738	-8.964	<0.001 ***
2SanT4 - 1CriT2	-2.01959	0.29908	-6.753	<0.001 ***
2SanT5 - 1CriT2	-2.00560	0.29875	-6.713	<0.001 ***
2SanT6 - 1CriT2	-1.12417	0.29699	-3.785	0.0151 *
3RevT1 - 1CriT2	-4.33636	0.49815	-8.705	<0.001 ***
3RevT2 - 1CriT2	-2.67135	0.31999	-8.348	<0.001 ***
3RevT3 - 1CriT2	-3.47136	0.35129	-9.882	<0.001 ***
3RevT4 - 1CriT2	-2.95006	0.33329	-8.851	<0.001 ***
3RevT5 - 1CriT2	-5.58912	0.75853	-7.368	<0.001 ***
3RevT6 - 1CriT2	-6.28227	1.03700	-6.058	<0.001 ***
1CriT4 - 1CriT3	-0.80982	0.28248	-2.867	0.2435
1CriT5 - 1CriT3	-0.84434	0.30274	-2.789	0.2891
1CriT6 - 1CriT3	-0.48108	0.31551	-1.525	0.9860
2SanT1 - 1CriT3	-4.08954	0.41510	-9.852	<0.001 ***
2SanT2 - 1CriT3	-2.72623	0.32350	-8.427	<0.001 ***
2SanT3 - 1CriT3	-3.22933	0.34621	-9.328	<0.001 ***
2SanT4 - 1CriT3	-2.22475	0.30900	-7.200	<0.001 ***
2SanT5 - 1CriT3	-2.21076	0.30868	-7.162	<0.001 ***
2SanT6 - 1CriT3	-1.32933	0.30697	-4.330	<0.01 **
3RevT1 - 1CriT3	-4.54152	0.50417	-9.008	<0.001 ***
3RevT2 - 1CriT3	-2.87651	0.32928	-8.736	<0.001 ***
3RevT3 - 1CriT3	-3.67652	0.35977	-10.219	<0.001 ***
3RevT4 - 1CriT3	-3.15523	0.34222	-9.220	<0.001 ***
3RevT5 - 1CriT3	-5.79428	0.76249	-7.599	<0.001 ***
3RevT6 - 1CriT3	-6.48743	1.03990	-6.238	<0.001 ***
1CriT5 - 1CriT4	-0.03452	0.28662	-0.120	1.0000
1CriT6 - 1CriT4	0.32874	0.30007	1.096	0.9997
2SanT1 - 1CriT4	-3.27971	0.40349	-8.128	<0.001 ***
2SanT2 - 1CriT4	-1.91641	0.30847	-6.213	<0.001 ***

2SanT3 - 1CriT4	-2.41951	0.33220	-7.283	<0.001 ***
2SanT4 - 1CriT4	-1.41493	0.29323	-4.825	<0.001 ***
2SanT5 - 1CriT4	-1.40094	0.29289	-4.783	<0.001 ***
2SanT6 - 1CriT4	-0.51951	0.29109	-1.785	0.9378
3RevT1 - 1CriT4	-3.73170	0.49466	-7.544	<0.001 ***
3RevT2 - 1CriT4	-2.06669	0.31452	-6.571	<0.001 ***
3RevT3 - 1CriT4	-2.86670	0.34632	-8.278	<0.001 ***
3RevT4 - 1CriT4	-2.34541	0.32804	-7.150	<0.001 ***
3RevT5 - 1CriT4	-4.98446	0.75624	-6.591	<0.001 ***
3RevT6 - 1CriT4	-5.67761	1.03532	-5.484	<0.001 ***
1CriT6 - 1CriT5	0.36326	0.31922	1.138	0.9996
2SanT1 - 1CriT5	-3.24519	0.41793	-7.765	<0.001 ***
2SanT2 - 1CriT5	-1.88189	0.32712	-5.753	<0.001 ***
2SanT3 - 1CriT5	-2.38499	0.34959	-6.822	<0.001 ***
2SanT4 - 1CriT5	-1.38041	0.31279	-4.413	<0.001 ***
2SanT5 - 1CriT5	-1.36642	0.31248	-4.373	<0.01 **
2SanT6 - 1CriT5	-0.48499	0.31079	-1.561	0.90826
3RevT1 - 1CriT5	-3.69718	0.50650	-7.299	<0.001 ***
3RevT2 - 1CriT5	-2.03217	0.33284	-6.106	<0.001 ***
3RevT3 - 1CriT5	-2.83218	0.36303	-7.801	<0.001 ***
3RevT4 - 1CriT5	-2.31088	0.34564	-6.686	<0.001 ***
3RevT5 - 1CriT5	-4.94994	0.76404	-6.479	<0.001 ***
3RevT6 - 1CriT5	-5.64309	1.04103	-5.421	<0.001 ***
2SanT1 - 1CriT6	-3.60846	0.42726	-8.446	<0.001 ***
2SanT2 - 1CriT6	-2.24515	0.33897	-6.623	<0.001 ***
2SanT3 - 1CriT6	-2.74826	0.36070	-7.619	<0.001 ***
2SanT4 - 1CriT6	-1.74367	0.32516	-5.363	<0.001 ***
2SanT5 - 1CriT6	-1.72969	0.32486	-5.324	<0.001 ***
2SanT6 - 1CriT6	-0.84826	0.32323	-2.624	0.3984
3RevT1 - 1CriT6	-4.06044	0.51423	-7.896	<0.001 ***
3RevT2 - 1CriT6	-2.39544	0.34449	-6.954	<0.001 ***
3RevT3 - 1CriT6	-3.19545	0.37374	-8.550	<0.001 ***
3RevT4 - 1CriT6	-2.67415	0.35687	-7.493	<0.001 ***
3RevT5 - 1CriT6	-5.31321	0.76918	-6.908	<0.001 ***
3RevT6 - 1CriT6	-6.00635	1.04482	-5.749	<0.001 ***
2SanT2 - 2SanT1	1.36330	0.43320	3.147	0.1192
2SanT3 - 2SanT1	0.86020	0.45041	1.910	0.8925
2SanT4 - 2SanT1	1.86478	0.42248	4.414	<0.01 **
2SanT5 - 2SanT1	1.87877	0.42225	4.449	<0.01 **
2SanT6 - 2SanT1	2.76020	0.42100	6.556	<0.001 ***
3RevT1 - 2SanT1	-0.45199	0.58069	-0.778	1.0000
3RevT2 - 2SanT1	1.21302	0.43753	2.772	0.2995
3RevT3 - 2SanT1	0.41301	0.46092	0.896	1.0000
3RevT4 - 2SanT1	0.93431	0.44735	2.089	0.7972
3RevT5 - 2SanT1	-1.70475	0.81511	-2.091	0.7963
3RevT6 - 2SanT1	-2.39790	1.07908	-2.222	0.7078
2SanT3 - 2SanT2	-0.50310	0.36771	-1.368	0.9958
2SanT4 - 2SanT2	0.50148	0.33292	1.506	0.9879
2SanT5 - 2SanT2	0.51547	0.33263	1.550	0.9837
2SanT6 - 2SanT2	1.39690	0.33104	4.220	<0.01 **
3RevT1 - 2SanT2	-1.81529	0.51918	-3.496	0.0412 *
3RevT2 - 2SanT2	-0.15028	0.35182	-0.427	1.0000
3RevT3 - 2SanT2	-0.95029	0.38051	-2.497	0.4951
3RevT4 - 2SanT2	-0.42900	0.36396	-1.179	0.9993
3RevT5 - 2SanT2	-3.06805	0.77250	-3.972	<0.01 **
3RevT6 - 2SanT2	-3.76120	1.04726	-3.591	0.0302 *

2SanT4 - 2SanT3	1.00458	0.35502	2.830	0.2617
2SanT5 - 2SanT3	1.01857	0.35475	2.871	0.2397
2SanT6 - 2SanT3	1.90000	0.35326	5.378	<0.001 ***
3RevT1 - 2SanT3	-1.31219	0.53362	-2.459	0.5249
3RevT2 - 2SanT3	0.35282	0.37281	0.946	1.0000
3RevT3 - 2SanT3	-0.44719	0.39999	-1.118	0.9997
3RevT4 - 2SanT3	0.07411	0.38428	0.193	1.0000
3RevT5 - 2SanT3	-2.56495	0.78228	-3.279	0.0831
3RevT6 - 2SanT3	-3.25810	1.05449	-3.090	0.1390
2SanT5 - 2SanT4	0.01399	0.31854	0.044	1.0000
2SanT6 - 2SanT4	0.89542	0.31689	2.826	0.2662
3RevT1 - 2SanT4	-2.31677	0.51027	-4.540	<0.001 ***
3RevT2 - 2SanT4	-0.65176	0.33854	-1.925	0.8856
3RevT3 - 2SanT4	-1.45177	0.36826	-3.942	<0.01 **
3RevT4 - 2SanT4	-0.93048	0.35113	-2.650	0.3807
3RevT5 - 2SanT4	-3.56953	0.76654	-4.657	<0.001 ***
3RevT6 - 2SanT4	-4.26268	1.04287	-4.087	<0.01 **
2SanT6 - 2SanT5	0.88143	0.31658	2.784	0.2932
3RevT1 - 2SanT5	-2.33076	0.51007	-4.569	<0.001 ***
3RevT2 - 2SanT5	-0.66575	0.33825	-1.968	0.8658
3RevT3 - 2SanT5	-1.46576	0.36800	-3.983	<0.01 **
3RevT4 - 2SanT5	-0.94446	0.35086	-2.692	0.3522
3RevT5 - 2SanT5	-3.58352	0.76641	-4.676	<0.001 ***
3RevT6 - 2SanT5	-4.27667	1.04278	-4.101	<0.01 **
3RevT1 - 2SanT6	-3.21219	0.50904	-6.310	<0.001 ***
3RevT2 - 2SanT6	-1.54718	0.33669	-4.595	<0.001 ***
3RevT3 - 2SanT6	-2.34719	0.36657	-6.403	<0.001 ***
3RevT4 - 2SanT6	-1.82589	0.34935	-5.227	<0.001 ***
3RevT5 - 2SanT6	-4.46495	0.76572	-5.831	<0.001 ***
3RevT6 - 2SanT6	-5.15810	1.04227	-4.949	<0.001 ***
3RevT2 - 3RevT1	1.66501	0.52280	3.185	0.1061
3RevT3 - 3RevT1	0.86500	0.54252	1.594	0.9785
3RevT4 - 3RevT1	1.38629	0.53104	2.611	0.4081
3RevT5 - 3RevT1	-1.25276	0.86388	-1.450	0.9919
3RevT6 - 3RevT1	-1.94591	1.11637	-1.743	0.9494
3RevT3 - 3RevT2	-0.80001	0.38544	-2.076	0.8063
3RevT4 - 3RevT2	-0.27871	0.36910	-0.755	1.0000
3RevT5 - 3RevT2	-2.91777	0.77493	-3.765	0.0171 *
3RevT6 - 3RevT2	-3.61092	1.04906	-3.442	0.0501
3RevT4 - 3RevT3	0.52130	0.39655	1.315	0.9973
3RevT5 - 3RevT3	-2.11776	0.78837	-2.686	0.3553
3RevT6 - 3RevT3	-2.81091	1.05903	-2.654	0.3783
3RevT5 - 3RevT4	-2.63906	0.78052	-3.381	0.0602
3RevT6 - 3RevT4	-3.33220	1.05319	-3.164	0.1135
3RevT6 - 3RevT5	-0.69315	1.25439	-0.553	1.0000

Table S13. Indicator species analysis results for both leaf types. Significance codes: *** ≤ 0.001 ; ** ≤ 0.01 ; * ≤ 0.05 .

Leaf Type	Site	Taxon	IndVal	<i>p</i>
<i>Quercus robur</i>	Crissolo	Limnephilidae	0.982	0.001 ***
		<i>Nemoura</i>	0.879	0.001 ***
		<i>Protonemura</i>	0.840	0.001 ***
		<i>Dugesia</i>	0.831	0.001 ***
		<i>Crenobia</i>	0.787	0.001 ***
		Tipulidae	0.617	0.001 ***
		Hydracarina	0.560	0.001 ***
		Psychodidae	0.408	0.003 **
		Sericostomatidae	0.309	0.019 *
	Sanfront	<i>Amphinemura</i>	0.781	0.001 ***
		Hydropsichidae	0.774	0.001 ***
		<i>Paraleptophlebia</i>	0.720	0.001 ***
		Rhyacophilidae	0.407	0.032 *
		Naididae	0.378	0.010 **
	Revello	Ceratopogonidae	0.617	0.001 ***
<i>Castanea sativa</i>	Crissolo	Limnephilidae	0.962	0.001 ***
		<i>Protonemura</i>	0.745	0.001 ***
		<i>Dugesia</i>	0.690	0.001 ***
		<i>Crenobia</i>	0.636	0.001 ***
		<i>Isoperla</i>	0.610	0.001 ***
		Hydracarina	0.508	0.001 ***
		Simuliidae	0.479	0.010 **
		Tipulidae	0.458	0.001 ***
		Hydraenidae	0.287	0.028 *
	Sanfront	<i>Amphinemura</i>	0.779	0.001 ***
		<i>Paraleptophlebia</i>	0.659	0.001 ***
		<i>Habroleptoides</i>	0.610	0.001 ***
	Revello	Ceratopogonidae	0.682	0.001 ***

Table S14. List of macroinvertebrates total abundances and functional feeding groups in Crissolo sampling site regarding both leaf types. P = Predator; Sh = Shredder; Sc = Scraper; F = Filterer; Cg = Collector–gatherer.

Leaf Type	Order	Taxon	Abundance	FFG
<i>Quercus robur</i> <i>Castanea sativa</i>	Plecoptera	<i>Perlodes</i>	6 6	P
<i>Quercus robur</i> <i>Castanea sativa</i>	Plecoptera	<i>Isoperla</i>	47 49	P
<i>Quercus robur</i> <i>Castanea sativa</i>	Plecoptera	<i>Nemoura</i>	309 544	Sh
<i>Quercus robur</i> <i>Castanea sativa</i>	Plecoptera	<i>Amphinemura</i>	46 15	Sh
<i>Quercus robur</i> <i>Castanea sativa</i>	Plecoptera	<i>Protonemura</i>	159 100	Sh
<i>Quercus robur</i> <i>Castanea sativa</i>	Plecoptera	<i>Leuctra</i>	342 399	Sh
<i>Quercus robur</i> <i>Castanea sativa</i>	Plecoptera	<i>Chloroperla</i>	54 65	P
<i>Quercus robur</i>	Plecoptera	<i>Dictyogenus</i>	1	P
<i>Quercus robur</i> <i>Castanea sativa</i>	Ephemeroptera	<i>Ecdyonurus</i>	16 10	Sc
<i>Castanea sativa</i>	Ephemeroptera	<i>Epeorus</i>	2	Sc
<i>Quercus robur</i> <i>Castanea sativa</i>	Ephemeroptera	<i>Rhithrogena</i>	4 1	Sc
<i>Quercus robur</i> <i>Castanea sativa</i>	Ephemeroptera	<i>Baetis</i>	31 61	Cg
<i>Quercus robur</i> <i>Castanea sativa</i>	Ephemeroptera	<i>Serratella</i>	3 1	Cg
<i>Quercus robur</i> <i>Castanea sativa</i>	Trichoptera	Hydropsichidae	1 2	F
<i>Quercus robur</i> <i>Castanea sativa</i>	Trichoptera	Rhyacophilidae	2 3	P
<i>Quercus robur</i>	Trichoptera	Sericostomatidae	10	Sh

<i>Castanea sativa</i>			8	
<i>Quercus robur</i> <i>Castanea sativa</i>	Trichoptera	Limnephilidae	924 1355	Sh
<i>Quercus robur</i> <i>Castanea sativa</i>	Trichoptera	Beraeidae	2 1	Sc
<i>Quercus robur</i> <i>Castanea sativa</i>	Trichoptera	Goeridae	2 1	Sc
<i>Quercus robur</i> <i>Castanea sativa</i>	Diptera	Chironomidae	426 317	Cg
<i>Quercus robur</i> <i>Castanea sativa</i>	Diptera	Simuliidae	22 54	F
<i>Quercus robur</i>	Diptera	Blephariceridae	2	Sc
<i>Quercus robur</i> <i>Castanea sativa</i>	Diptera	Athericidae	4 3	P
<i>Quercus robur</i> <i>Castanea sativa</i>	Diptera	Tipulidae	30 17	Sh
<i>Castanea sativa</i>	Diptera	Limoniidae	2	P
<i>Quercus robur</i> <i>Castanea sativa</i>	Diptera	Empididae	2 2	P
<i>Quercus robur</i> <i>Castanea sativa</i>	Diptera	Psychodidae	7 2	Sc
<i>Quercus robur</i>	Coleoptera	Elmidae	2	Cg
<i>Castanea sativa</i>	Coleoptera	Hydraenidae	4	Sc
<i>Castanea sativa</i>	Oligochaeta	Naididae	1	Cg
<i>Quercus robur</i> <i>Castanea sativa</i>	Tricladida	<i>Dugesia</i>	224 45	P
<i>Quercus robur</i> <i>Castanea sativa</i>	Tricladida	<i>Crenobia</i>	148 69	P
<i>Quercus robur</i> <i>Castanea sativa</i>	Arachnida	Hydracarina	23 19	P

Table S15. List of macroinvertebrates total abundances and functional feeding groups in Sanfront sampling site regarding both leaf types. P = Predator; Sh = Shredder; Sc = Scraper; F = Filterer; Cg = Collector–gatherer.

Leaf Type	Order	Taxon	Abundance	FFG
<i>Quercus robur</i> <i>Castanea sativa</i>	Plecoptera	<i>Perla</i>	2 2	P
<i>Quercus robur</i> <i>Castanea sativa</i>	Plecoptera	<i>Perlodes</i>	1 1	P
<i>Quercus robur</i> <i>Castanea sativa</i>	Plecoptera	<i>Isoperla</i>	30 5	P
<i>Quercus robur</i> <i>Castanea sativa</i>	Plecoptera	<i>Nemoura</i>	80 73	Sh
<i>Quercus robur</i> <i>Castanea sativa</i>	Plecoptera	<i>Amphinemura</i>	276 222	Sh
<i>Quercus robur</i> <i>Castanea sativa</i>	Plecoptera	<i>Protonemura</i>	10 14	Sh
<i>Quercus robur</i> <i>Castanea sativa</i>	Plecoptera	<i>Leuctra</i>	252 225	Sh
<i>Quercus robur</i> <i>Castanea sativa</i>	Plecoptera	<i>Chloroperla</i>	32 36	P
<i>Quercus robur</i> <i>Castanea sativa</i>	Plecoptera	<i>Capnia</i>	1 2	Sh
<i>Castanea sativa</i>	Plecoptera	Taeniopterygidae	1	Sh
<i>Quercus robur</i> <i>Castanea sativa</i>	Ephemeroptera	<i>Ecdyonurus</i>	28 42	Sc
<i>Quercus robur</i>	Ephemeroptera	<i>Epeorus</i>	2	Sc
<i>Quercus robur</i> <i>Castanea sativa</i>	Ephemeroptera	<i>Rhithrogena</i>	137 61	Sc
<i>Quercus robur</i> <i>Castanea sativa</i>	Ephemeroptera	<i>Electrogena</i>	7 4	Sc
<i>Castanea sativa</i>	Ephemeroptera	<i>Heptagenia</i>	1	Sc
<i>Quercus robur</i> <i>Castanea sativa</i>	Ephemeroptera	<i>Baetis</i>	109 73	Cg

<i>Quercus robur</i> <i>Castanea sativa</i>	Ephemeroptera	<i>Serratella</i>	5 1	Cg
<i>Quercus robur</i> <i>Castanea sativa</i>	Ephemeroptera	<i>Habroleptoides</i>	14 50	Cg
<i>Quercus robur</i> <i>Castanea sativa</i>	Ephemeroptera	<i>Paraleptophlebia</i>	90 98	Cg
<i>Quercus robur</i> <i>Castanea sativa</i>	Trichoptera	Hydropsichidae	109 76	F
<i>Quercus robur</i> <i>Castanea sativa</i>	Trichoptera	Rhyacophilidae	17 14	P
<i>Castanea sativa</i>	Trichoptera	Sericostomatidae	1	Sh
<i>Quercus robur</i> <i>Castanea sativa</i>	Trichoptera	Limnephilidae	13 6	Sh
<i>Castanea sativa</i>	Trichoptera	Odontoceridae	1	Sc
<i>Quercus robur</i>	Trichoptera	Beraeidae	1	Sc
<i>Quercus robur</i> <i>Castanea sativa</i>	Diptera	Chironomidae	3686 4516	Cg
<i>Quercus robur</i> <i>Castanea sativa</i>	Diptera	Simuliidae	4 1	F
<i>Quercus robur</i> <i>Castanea sativa</i>	Diptera	Ceratopogonidae	15 20	P
<i>Quercus robur</i> <i>Castanea sativa</i>	Diptera	Athericidae	2 8	P
<i>Castanea sativa</i>	Diptera	Tipulidae	1	Sh
<i>Quercus robur</i> <i>Castanea sativa</i>	Diptera	Limoniidae	1 1	P
<i>Quercus robur</i> <i>Castanea sativa</i>	Diptera	Empididae	9 10	P
<i>Quercus robur</i>	Diptera	Culicidae	1	F/Cg
<i>Quercus robur</i> <i>Castanea sativa</i>	Coleoptera	Elmidae	9 9	Cg
<i>Castanea sativa</i>	Coleoptera	Dytiscidae	1	P

<i>Quercus robur</i> <i>Castanea sativa</i>	Coleoptera	Gyrinidae	2 2	P
<i>Quercus robur</i> <i>Castanea sativa</i>	Oligochaeta	Naididae	9 11	Cg
<i>Castanea sativa</i>	Oligochaeta	Lumbriculidae	3	Cg
<i>Quercus robur</i> <i>Castanea sativa</i>	Crustacea	Gammaridae	1 5	Sh
<i>Quercus robur</i> <i>Castanea sativa</i>	Arachnida	Hydracarina	7 3	P
<i>Quercus robur</i>	Nematoda	Nematoda indet.	3	P/Cg

Table S16. List of macroinvertebrates total abundances and functional feeding groups in Revello sampling site regarding both leaf types. P = Predator; Sh = Shredder; Sc = Scraper; F = Filterer; Cg = Collector–gatherer.

Leaf Type	Order	Taxon	Abundance	FFG
<i>Castanea sativa</i>	Plecoptera	<i>Perla</i>	1	P
<i>Castanea sativa</i>	Plecoptera	<i>Perlodes</i>	1	P
<i>Quercus robur</i>	Plecoptera	<i>Isoperla</i>	3 5	P
<i>Quercus robur</i>	Plecoptera	<i>Nemoura</i>	19 27	Sh
<i>Quercus robur</i>	Plecoptera	<i>Amphinemura</i>	50 71	Sh
<i>Quercus robur</i>	Plecoptera	<i>Protonemura</i>	2	Sh
<i>Quercus robur</i>	Plecoptera	<i>Leuctra</i>	49 149	Sh
<i>Quercus robur</i>	Plecoptera	<i>Chloroperla</i>	2	P
<i>Castanea sativa</i>	Plecoptera	<i>Capnia</i>	1	Sh
<i>Quercus robur</i>	Ephemeroptera	<i>Ecdyonurus</i>	42 27	Sc

<i>Quercus robur</i>	Ephemeroptera	<i>Rhithrogena</i>	117 109	Sc
<i>Quercus robur</i>	Ephemeroptera	<i>Electrogena</i>	5 5	Sc
<i>Quercus robur</i>	Ephemeroptera	<i>Baetis</i>	74 104	Cg
<i>Quercus robur</i>	Ephemeroptera	<i>Serratella</i>	3	Cg
<i>Quercus robur</i>	Ephemeroptera	<i>Habroleptoides</i>	10 6	Cg
<i>Quercus robur</i>	Ephemeroptera	<i>Paraleptophlebia</i>	9 20	Cg
<i>Quercus robur</i>	Trichoptera	Hydropsichidae	27	F

			58	
<i>Quercus robur</i>	Trichoptera	Rhyacophilidae	6 16	P
<i>Castanea sativa</i>	Trichoptera	Sericostomatidae	1	Sh
<i>Castanea sativa</i>	Trichoptera	Limnephilidae	8	Sh
<i>Quercus robur</i>	Trichoptera	Philopotamidae	1	F
<i>Quercus robur</i>	Trichoptera	Beraeidae	1 1	Sc
<i>Quercus robur</i>	Diptera	Chironomidae	2000 2269	Cg
<i>Quercus robur</i>	Diptera	Simuliidae	8 30	F
<i>Quercus robur</i>	Diptera	Ceratopogonidae	83 104	P
<i>Castanea sativa</i>	Diptera	Athericidae	2	P
<i>Quercus robur</i>	Diptera	Limoniidae	1 3	P
<i>Castanea sativa</i>	Diptera	Empididae	1	P
<i>Quercus robur</i>	Coleoptera	Elmidae	3 24	Cg
<i>Castanea sativa</i>	Coleoptera	Dytiscidae	1	P
<i>Quercus robur</i>	Coleoptera	Hydraenidae	2 1	Sc
<i>Castanea sativa</i>	Coleoptera	Dryopidae	1	Cg
<i>Castanea sativa</i>	Coleoptera	Gyrinidae	1	P
<i>Quercus robur</i>	Oligochaeta	Naididae	4 3	Cg
<i>Quercus robur</i>	Oligochaeta	Lumbricidae	7	Cg
<i>Castanea sativa</i>	Crustacea	Gammaridae	2	Sh

<i>Quercus robur</i>	Arachnida	Hydracarina	3 1	P
<i>Castanea sativa</i>	Nematoda	Nematoda indet.	1	P/Cg
<i>Castanea sativa</i>	Nematomorpha	Gordiidae	1	P