

Samples	Lichen	Observed	Shannon	Simpson
Cl_a_A_Chi	Cladonia	769	4.13345805	0.94352985
Cl_a_B_Nev	Cladonia	324	1.83803213	0.71642585
Cl_a_C_Nev	Cladonia	208	1.68723544	0.71813521
Cl_a_D_Nev	Cladonia	260	2.23916555	0.76769596
Cl_a_E_Nev	Cladonia	385	2.65079485	0.83552612
Cl_a_F_Nev	Cladonia	298	1.61505157	0.59386502
Cl_a_K1_Chi	Cladonia	567	3.61279749	0.92669056
Cl_a_K2_Chi	Cladonia	868	4.29626725	0.96763313
Cl_a_L_Chi	Cladonia	1106	4.58981752	0.96913622
Co_A_Chi	Cora	996	3.47136917	0.78522872
Co_B_Nev	Cora	201	1.68133916	0.68316316
Co_F_Nev	Cora	278	1.63636832	0.64028134
Co_H1_Chi	Cora	1312	4.57092575	0.93849366
Co_H2_Chi	Cora	767	3.29613314	0.83855433
Co_I_Chi	Cora	210	1.83993806	0.6572326
Co_L_Chi	Cora	758	3.22255803	0.8290168
Hyp_B_Chi	Hypotrachyna	819	4.62616387	0.97363313
Hyp_C_Nev	Hypotrachyna	619	2.29316784	0.58821926
Hyp_E_Nev	Hypotrachyna	427	3.74761329	0.9548576
Hyp_F_Nev	Hypotrachyna	782	4.73816764	0.97990882
Hyp_H_Chi	Hypotrachyna	1924	5.61251287	0.9854916
Hyp_M_Chi	Hypotrachyna	704	4.01967358	0.94366012
Hyp_N_Chi	Hypotrachyna	1003	4.20067332	0.89489018
Ptg_C_Chi	Peltigera	1955	4.68707721	0.88646336
Ptg_F_Nev	Peltigera	433	2.02338715	0.63823252
Ptg_N_Chi	Peltigera	639	2.31384759	0.62289145
Stc_A_Chi	Stereocaulon	661	3.43656293	0.87841948
Stc_A_Nev	Stereocaulon	343	1.94275398	0.57475456
Stc_B_Nev	Stereocaulon	843	3.58251167	0.85479688
Stc_D_Nev	Stereocaulon	352	1.87980636	0.62319748
Stc_F_Nev	Stereocaulon	220	1.75184541	0.7101174
Stc_J_Chi	Stereocaulon	738	3.75418307	0.90163427
Stc_L_Chi	Stereocaulon	882	4.38191555	0.95311243
Stt_A_Chi	Sticta	1611	4.45935331	0.86047591
Stt_B_Chi	Sticta	1078	3.89970208	0.82525909
Stt_C_Chi	Sticta	1418	5.24448878	0.98379839
Stt_C_Nev	Sticta	504	2.33674598	0.71590542
Stt_D_Nev	Sticta	476	1.7477335	0.56932314
Stt_E_Chi	Sticta	1197	5.10014433	0.98241538
Stt_F_Chi	Sticta	1633	5.39393032	0.98609535
Us_A_Nev	Usnea	100	0.56393615	0.20865696
Us_C_Nev	Usnea	189	0.89319927	0.26074171
Us_D_Nev	Usnea	425	2.23491125	0.77018313
Us_E_Chi	Usnea	763	3.19272753	0.73691332
Us_E_Nev	Usnea	177	2.20428949	0.69595366
Us_G_Chi	Usnea	318	2.68682305	0.87396244
Us_K_Chi	Usnea	185	2.06754498	0.77856529

Alpha

0.05

<b>Tukey's multiple comparisons test</b>	<b>Mean Diff.</b>	<b>95.00% CI of diff.</b>	<b>Significant?</b>	<b>Summary</b>	<b>Adjusted P Value</b>
Cladonia vs. Cora	0.05909	-0.1999 to 0.3181	No	ns	0.9913
Cladonia vs. Hypotrachyna	-0.07644	-0.3354 to 0.1825	No	ns	0.9678
Cladonia vs. Peltigera	0.1107	-0.2319 to 0.4532	No	ns	0.9505
Cladonia vs. Stereocaulon	0.04137	-0.2176 to 0.3003	No	ns	0.9988
Cladonia vs. Sticta	-0.01967	-0.2786 to 0.2393	No	ns	>0.9999
Cladonia vs. Usnea	0.2087	-0.05032 to 0.4676	No	ns	0.1866
Cora vs. Hypotrachyna	-0.1355	-0.4102 to 0.1392	No	ns	0.7249
Cora vs. Peltigera	0.05156	-0.3031 to 0.4062	No	ns	0.9993
Cora vs. Stereocaulon	-0.01772	-0.2924 to 0.2570	No	ns	>0.9999
Cora vs. Sticta	-0.07876	-0.3534 to 0.1959	No	ns	0.9721
Cora vs. Usnea	0.1496	-0.1251 to 0.4243	No	ns	0.6266
Hypotrachyna vs. Peltigera	0.1871	-0.1675 to 0.5417	No	ns	0.6599
Hypotrachyna vs. Stereocaulon	0.1178	-0.1569 to 0.3925	No	ns	0.8334
Hypotrachyna vs. Sticta	0.05677	-0.2179 to 0.3315	No	ns	0.9949
Hypotrachyna vs. Usnea	0.2851	0.01041 to 0.5598	Yes	*	0.0375
Peltigera vs. Stereocaulon	-0.06929	-0.4239 to 0.2853	No	ns	0.9962
Peltigera vs. Sticta	-0.1303	-0.4849 to 0.2243	No	ns	0.9115
Peltigera vs. Usnea	0.09801	-0.2566 to 0.4526	No	ns	0.9767
Stereocaulon vs. Sticta	-0.06103	-0.3357 to 0.2137	No	ns	0.9925
Stereocaulon vs. Usnea	0.1673	-0.1074 to 0.4420	No	ns	0.4985
Sticta vs. Usnea	0.2283	-0.04636 to 0.5030	No	ns	0.1597

Alpha

0.05

Tamhane's T2 multiple comparisons test	Mean Diff.	95.00% CI of diff.	Significant?	Summary	djusted P Value
Cladonia vs. Cora	0.1456	-2.022 to 2.313	No	ns	>0.9999
Cladonia vs. Hypotrachyna	-1.214	-3.277 to 0.8481	No	ns	0.6389
Cladonia vs. Peltigera	-0.04559	-9.108 to 9.017	No	ns	>0.9999
Cladonia vs. Stereocaulon	0.001145	-2.113 to 2.115	No	ns	>0.9999
Cladonia vs. Sticta	-1.064	-3.689 to 1.562	No	ns	0.9631
Cladonia vs. Usnea	0.9849	-0.9874 to 2.957	No	ns	0.8517
Cora vs. Hypotrachyna	-1.36	-3.559 to 0.8396	No	ns	0.5348
Cora vs. Peltigera	-0.1912	-8.915 to 8.533	No	ns	>0.9999
Cora vs. Stereocaulon	-0.1444	-2.387 to 2.098	No	ns	>0.9999
Cora vs. Sticta	-1.209	-3.909 to 1.491	No	ns	0.9118
Cora vs. Usnea	0.8393	-1.287 to 2.966	No	ns	0.9711
Hypotrachyna vs. Peltigera	1.169	-8.167 to 10.50	No	ns	0.9994
Hypotrachyna vs. Stereocaulon	1.215	-0.9323 to 3.363	No	ns	0.6705
Hypotrachyna vs. Sticta	0.1508	-2.500 to 2.801	No	ns	>0.9999
Hypotrachyna vs. Usnea	2.199	0.1862 to 4.212	Yes	*	0.0268
Peltigera vs. Stereocaulon	0.04674	-8.970 to 9.064	No	ns	>0.9999
Peltigera vs. Sticta	-1.018	-8.161 to 6.126	No	ns	>0.9999
Peltigera vs. Usnea	1.03	-8.971 to 11.03	No	ns	0.9999
Stereocaulon vs. Sticta	-1.065	-3.738 to 1.609	No	ns	0.9655
Stereocaulon vs. Usnea	0.9837	-1.085 to 3.053	No	ns	0.8727
Sticta vs. Usnea	2.048	-0.5668 to 4.664	No	ns	0.1984

Alpha

0.05

Tukey's multiple comparisons t	Mean Diff.	95.00% CI of diff	Significant?	Summary	Adjusted P Value
Cladonia vs. Cora	-114.3	-760.7 to 532.0	No	ns	0.9978
Cladonia vs. Hypotrachyna	-365.2	-1012 to 281.2	No	ns	0.5859
Cladonia vs. Peltigera	-477.3	-1332 to 377.7	No	ns	0.5993
Cladonia vs. Stereocaulon	-45.33	691.7 to 601.0	No	ns	>0.9999
Cladonia vs. Sticta	-599.3	-1246 to 47.04	No	ns	0.0847
Cladonia vs. Usnea	223.5	422.8 to 869.1	No	ns	0.9323
Cora vs. Hypotrachyna	-250.9	936.4 to 434.7	No	ns	0.9131
Cora vs. Peltigera	-363	-1248 to 522.2	No	ns	0.8601
Cora vs. Stereocaulon	69	616.6 to 754.0	No	ns	>0.9999
Cora vs. Sticta	-485	-1171 to 200.6	No	ns	0.3207
Cora vs. Usnea	337.9	-347.7 to 1023	No	ns	0.726
Hypotrachyna vs. Peltigera	-112.1	997.2 to 772.9	No	ns	0.9997
Hypotrachyna vs. Stereocaulon	319.9	-365.7 to 1005	No	ns	0.7728
Hypotrachyna vs. Sticta	-234.1	919.7 to 451.4	No	ns	0.936
Hypotrachyna vs. Usnea	588.7	-96.87 to 1274	No	ns	0.1342
Peltigera vs. Stereocaulon	432	-453.1 to 1317	No	ns	0.7346
Peltigera vs. Sticta	-122	-1007 to 763.2	No	ns	0.9995
Peltigera vs. Usnea	700.9	-184.2 to 1586	No	ns	0.2025
Stereocaulon vs. Sticta	-554	-1240 to 131.6	No	ns	0.184
Stereocaulon vs. Usnea	268.9	416.7 to 954.4	No	ns	0.8834
Sticta vs. Usnea	822.9	137.3 to 1508	Yes	**	0.01