SUPPLEMENTARY MATERIAL S7

TABLE S7 | Principal coordinates analysis (PCoA) vectors of the first four axis (Cumulative Eigenvalues = 78.1%) representing functional distances among species. The codes for each species were depicted in Tab. **S1**.

	Axis.1	Axis.2	Axis.3	Axis.4
acacat	0.445	1.519	-0.896	-0.485
acefal	-0.214	-0.789	-1.556	0.850
aeqtet	0.298	0.379	1.747	0.548
amadal	-1.799	1.156	-0.642	-4.031
anclit	3.322	1.203	0.444	0.479
anoter	-0.502	0.183	-1.159	0.718
apires	0.080	0.691	1.107	-0.808
aptalb	-0.252	-3.560	0.283	0.837
astbim	-2.530	-0.089	0.071	0.520
astmac	-1.526	-0.562	1.299	0.423
astmax	-0.958	-0.616	1.191	0.890
barste	-1.255	0.091	1.010	0.855
batran	0.731	0.740	0.013	1.482
batvil	2.238	0.167	0.662	1.532
bracop	-4.906	-0.888	3.605	0.121
brasp1	0.160	-2.957	-0.253	-0.374
brasp2	0.673	-4.290	0.660	-0.159
brasp3	0.349	-3.576	0.202	-0.597
brycau	0.120	-0.368	0.080	0.895
brypal	-1.196	0.832	0.132	-2.662
brypir	0.654	0.194	0.445	0.350
carstr	1.057	-2.642	6.640	0.644
cenper	-0.594	2.172	-1.934	-1.089
cetsp1	2.284	-0.260	0.968	0.352
cetsp2	1.428	1.081	-0.666	1.093
cetsp3	0.431	0.740	-0.855	0.175
chagom	0.678	0.363	-0.112	0.043
chasp	0.378	0.445	-1.065	0.200
chazeb	0.129	0.350	0.132	-0.919
chetro	-2.320	0.220	0.413	0.070
cicama	-0.453	0.746	1.175	0.956
coracu	1.723	0.932	1.071	1.129
coramb	-0.920	1.447	-0.402	0.666

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s7.1

TABLE S7 | (Continued)

	Axis.1	Axis.2	Axis.3	Axis.4
corbon	-0.394	1.879	-0.446	1.024
corele	-0.649	1.047	0.310	0.900
cormel	-0.616	1.313	0.181	-0.005
corste	0.044	1.214	-0.111	0.943
cortri	0.227	1.753	0.123	0.946
crejoh	0.667	0.541	-1.126	1.519
crepet	-0.309	0.347	-0.115	0.236
cresan	0.702	-0.099	-0.134	0.756
curmac	-1.467	0.918	-0.201	-0.220
cypplu	-1.156	0.036	0.357	0.175
cypspi	-1.558	-0.171	-0.051	1.094
densed	-0.568	0.379	-0.448	0.770
eigtri	-0.101	-2.938	0.198	-0.177
elapul	-0.665	0.548	0.856	-3.451
eryery	0.481	0.451	-1.242	0.741
faroxy	5.045	-2.061	-0.897	-3.038
geomeg	-0.057	-0.039	1.300	-0.271
gymara	-0.217	-4.016	-0.122	0.609
gymcar	0.151	-4.302	-0.054	0.714
gymcor	-0.031	-3.310	-1.930	-1.589
gymron	0.182	-6.032	-2.440	-0.856
helgou	2.195	-0.004	1.137	0.324
hembel	-1.688	0.913	-0.798	-1.118
hemmel	-0.701	0.552	-0.061	-1.356
hemnep	-1.655	0.376	0.455	-0.497
hemoce	-1.186	0.424	0.396	-0.716
hemsp	-1.470	0.703	0.120	-3.035
hemuni	-1.002	-1.279	-0.673	1.549
hoplit	-0.192	0.781	-0.580	1.645
hopmal	1.339	-1.288	0.039	0.896
hopuni	1.401	-0.327	0.109	0.470
hypagu	-0.603	0.271	0.347	-0.963
hypben	-2.010	0.234	0.764	-0.290
hypcop	-1.770	0.606	-0.487	-0.281
hyphet	-0.656	0.560	0.129	-0.789
hyplep	-0.288	-3.745	-0.300	-0.019

TABLE S7 | (Continued)

	Axis.1	Axis.2	Axis.3	Axis.4
hyppyr	2.591	1.558	-0.028	0.928
hypsp	2.745	1.646	0.091	0.110
imphas	2.889	1.008	-0.883	-0.334
impsti	2.893	0.397	0.487	-1.154
ituama	1.165	-0.190	-0.512	-0.206
jupcit	-1.515	-0.508	1.636	0.464
juppor	-1.510	0.024	0.816	-0.355
jupzon	-0.921	0.161	0.759	-0.406
knohet	0.190	-0.040	0.888	0.156
knosmi	0.256	0.059	0.883	0.130
lassch	4.533	1.249	0.758	0.955
lepfri	-1.048	-0.103	-0.975	1.011
lorcat	3.239	-0.833	-0.781	0.919
megpic	0.816	1.206	-0.350	0.529
meldis	0.639	0.859	-0.876	0.373
melpec	3.343	0.975	1.124	-1.926
micgua	-1.588	0.499	-0.162	-0.189
micpoe	0.590	0.970	-0.237	0.243
micsp	2.673	0.408	1.547	-4.762
micwei	0.835	1.102	1.104	-4.890
miupla	-1.590	1.348	-2.025	0.339
moebon	-1.193	0.192	0.769	-0.773
moecol	-2.316	0.612	-0.569	-0.106
moecot	-2.083	0.540	-0.602	-0.114
moegrac	-1.649	1.014	-1.296	-0.575
moegran	-1.959	0.016	1.634	0.006
moemik	-1.691	0.547	-0.490	-0.118
moeoli	-2.251	-0.008	0.732	0.371
moepan	-2.317	0.156	0.521	-0.150
moesth	-2.182	0.034	1.000	0.127
mylsp	-3.729	-0.281	3.951	0.665
nantri	-2.341	1.242	-3.235	0.763
odofug	-1.259	0.560	-0.335	-0.161
otohop	-1.185	2.426	-3.041	0.288
parari	2.855	2.239	-0.527	-0.826
parnas	-0.720	1.086	-1.351	0.543

TABLE S7 | (Continued)

	Axis.1	Axis.2	Axis.3	Axis.4
parpor	-0.273	0.790	-0.379	1.186
parsp	1.510	-0.192	-0.915	-1.005
phebol	2.119	0.514	-1.355	-0.850
pheret	-1.933	-0.004	0.214	0.035
phesp	2.022	0.405	-0.540	-0.019
pimhow	1.201	0.213	-0.821	0.609
pimsp	1.621	0.099	-0.811	0.561
plamac	-3.427	-3.305	-5.977	0.457
potgui	1.605	-2.871	-3.097	-2.540
pronig	-2.220	0.162	-0.534	1.449
pseama	4.574	0.117	1.826	1.941
pyraus	0.785	0.390	0.039	0.015
pyrbre	-0.284	0.659	-0.746	-0.116
pyrzig	-0.667	1.069	-1.611	0.296
rhaque	2.590	-0.047	0.058	0.562
rinhet	3.198	-0.048	-0.150	0.686
rinsp	3.329	-0.315	0.148	-0.420
rivsp	0.684	0.811	-0.695	0.021
satjur	0.913	-0.146	1.616	0.225
sermic	-1.384	0.732	-0.398	-0.041
sernot	-2.006	0.321	0.611	-0.142
serrho	-2.800	-0.508	2.004	0.109
spaeva	4.414	-0.935	0.240	1.329
squema	4.004	0.753	0.791	1.200
stedob	-1.468	0.382	-0.762	0.603
stefas	-1.614	0.005	-0.281	0.774
stegue	-1.319	0.530	-0.483	0.510
stemac	0.550	-4.649	-0.476	-0.119
tataul	1.300	0.834	-1.191	1.283
tetarg	-2.492	0.038	2.507	-0.277
tilren	-0.455	1.260	0.536	-0.174
triang	-0.484	-1.326	0.841	1.096
tytmad	0.019	0.808	0.944	-2.466

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