

Supplemental Table 1. Statistical and variance proportions corresponding to the axis (PC1 and PC2) generated by Principal Component Analysis from the identified phenolic compounds in *Spirodela polyrhiza*, *Landoltia punctata*, *Lemna gibba*, *Wolffia borealis* and *Wolffia caudata*. (n=3).

Variable	PC1	PC2
5- <i>O</i> -(<i>E</i>)-Caffeoylquinic acid	-0.361	-0.151
3- <i>O</i> -(<i>E</i>)-Coumaroylquinic acid	-0.312	-0.130
Luteolin-7- <i>O</i> -glucoside- <i>C</i> -glucoside	0.225	-0.358
4- <i>O</i> -(<i>E</i>)-Coumaroylquinic acid	-0.244	-0.264
Luteolin-6- <i>C</i> -glucoside-8- <i>C</i> -rhamnoside	0.207	-0.370
luteolin-8- <i>c</i> -glycoside-6- <i>c</i> -rhamnoside	0.269	-0.264
Luteolin-8- <i>C</i> -glycoside-6- <i>C</i> -xyloside	0.108	0.239
N.I.	0.036	0.291
Luteolin-8- <i>C</i> - glycoside	-0.323	0.088
Apigenin-8- <i>C</i> -glycoside	0.207	-0.374
Apigenin-8- <i>C</i> -glycoside	0.047	-0.447
Luteolin-7- <i>O</i> -glycoside	-0.363	-0.152
Apigenin-7- <i>O</i> -glycoside	-0.363	-0.152
Luteolin-8- <i>C</i> -(2- <i>O</i> -feruloyl) glycoside	-0.347	-0.141
F - Anova	96.626	106.230
P-value	<0.0001	<0.0001
Eigenvalue	6.712	4.479
Proportion	0.479	0.320