

The secondary metabolites profile of *Stemphylium lycopersici*, the causal agent of tomato grey leaf spot, is complex and includes host and non-host specific toxins.

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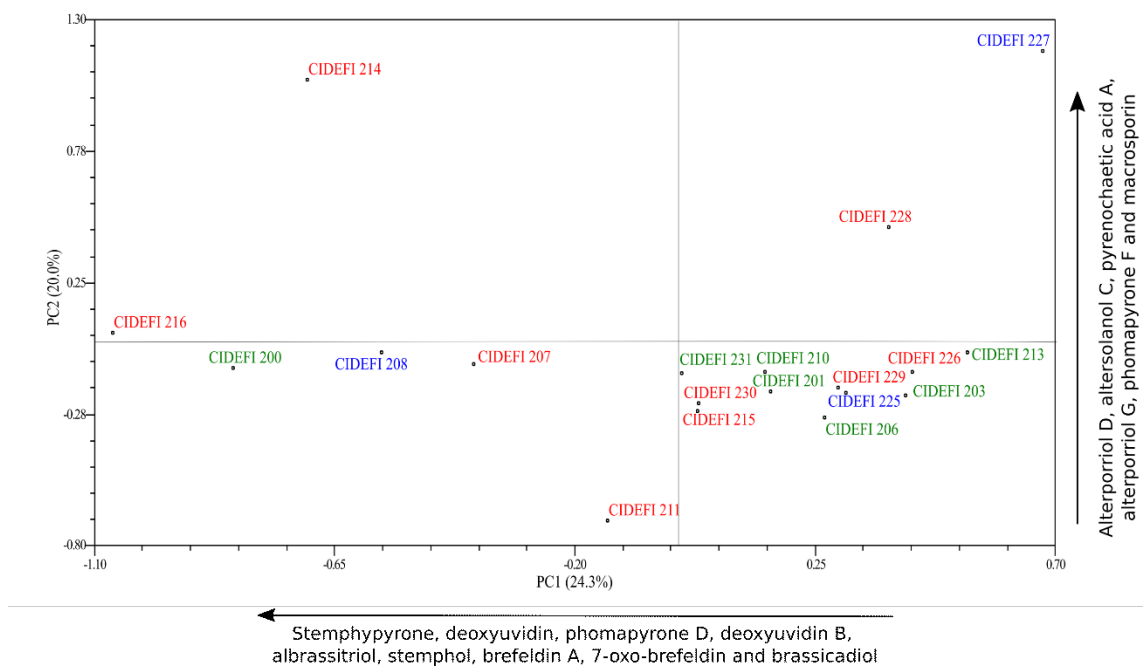
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Supplementary material 3

Principal component analysis (PCA) of *Stemphylium lycopersici* isolates based on their ability to synthesize secondary metabolites on the first two ordination axes (PC1 and PC2; see below in Table B. 1. and 2.). The percentage of variance explained by each dimension is in parentheses. High virulent isolates are in red, in blue medium virulent ones and low virulence isolates in green.



Supplementary Figure 2. Principal component analysis (PCA) of *Stemphylium lycopersici* isolates.

Table B. 1. Contribution of each metabolite to the first (PC1) and second (PC2) axis of ordination of the analysis. Values that contributed to separation on the first two ordination axes are shown in bold.

Metabolite	PC1	PC2
Stemphylin	0.07	0.51
Altersolanol B	0.39	0.03
Alterporriol D	0.11	0.90
Altersolanol C	0.43	0.45
Pyrenochaetic acid A	-0.01	0.88
Stemphyprone	-0.67	-0.15
Deoxyuvidin	-0.78	0.34
Phomapyrone D	-0.65	0.34
Stemphyperyleneol	-0.07	-0.38
Stemphyloxin I	0.19	0.25
Altertoxin I	-0.41	-0.05
Deoxyuvidin B	-0.67	-0.33
Infectopyrone	-0.05	0.39
Phomapyrone C	-0.52	-0.03
Alterporriol G	0.11	0.90
Phomapyrone F	0.33	0.63
Albrassitriol	-0.74	-0.01
Phomapyrone G	-0.43	-0.25
Macrosporin	-0.18	0.73
Phomapyrone A	0.06	0.28
Stemphol	-0.60	0.18
Brefeldin A	-0.74	0.16
7-Oxo-brefeldin	-0.75	0.22
Brassicadiol	-0.83	0.18

Table B. 2. Eigenvalues for each dimension axis and the variance explained by them. The asterisk denotes the representative cumulative variance of the different axes. Values in bold show the number of axes that explain 80% of variance.

Axis	Eigenvalue	Percent	Cumulative *
1	5.8	24.3	24.3
2	4.8	20.0	44.3
3	2.5	10.4	54.8
4	2.2	9.3	64.1
5	1.9	8.0	72.1
6	1.6	6.5	78.5
7	1.0	4.2	82.7