

## **Stress response of *Escherichia coli* to essential oil components – insights on low-molecular-weight proteins from MALDI-TOF**

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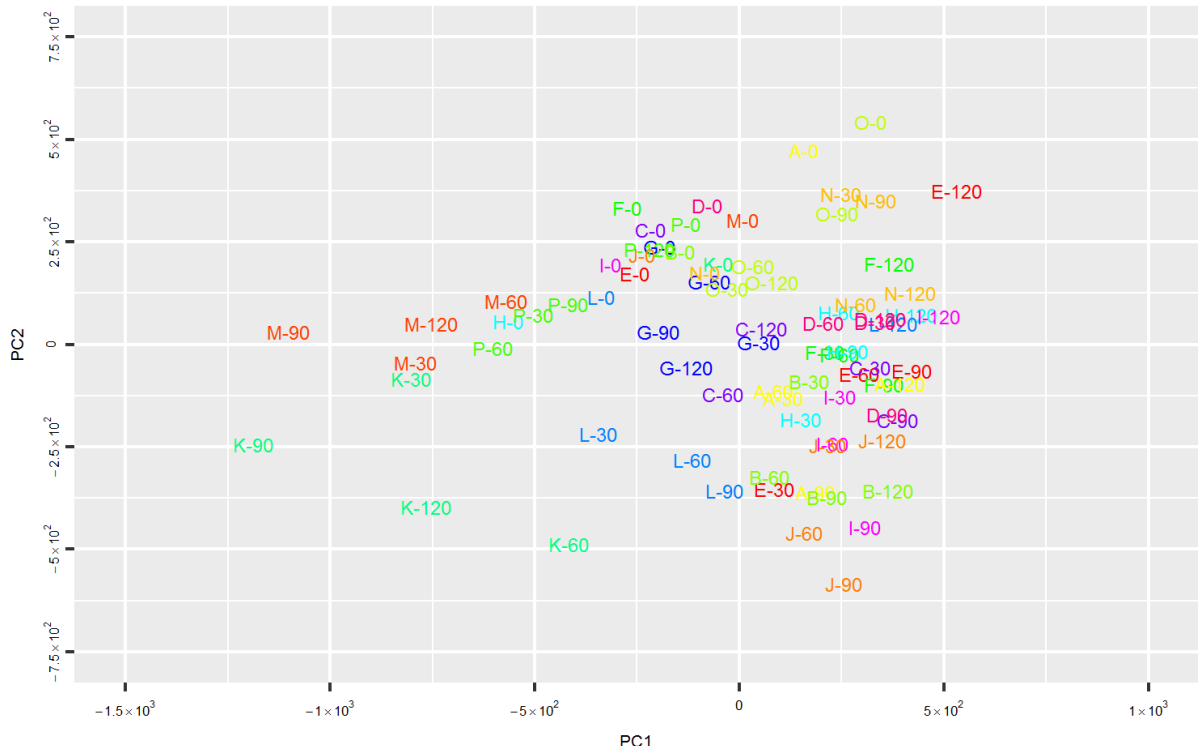
**Supplementary Table S1**Minimum inhibitory concentrations of tested compounds against *E. coli* by the microdilution method

<b>Compound</b>	<b>CAS No.</b>	<b>MIC [<math>\mu</math>L/L]</b>
Carvacrol <sup>a</sup>	499-75-2	256
trans-Cinnamaldehyde <sup>a</sup>	14371-10-9	256
Eugenol <sup>a</sup>	97-53-0	512
(-)-Carvone <sup>a</sup>	6485-40-1	1024
(+)- $\alpha$ -pinene <sup>a</sup>	7785-70-8	1024
( $\pm$ )- $\beta$ -Citronellol <sup>a</sup>	106-22-9	1024
(1S)-(+)-3-Carene <sup>a</sup>	498-15-7	1024
Thymol <sup>a</sup>	89-83-8	1024
4-Carvomenthenol <sup>a</sup>	562-74-4	2048
Citral <sup>a</sup>	5392-40-5	2048
Geraniol <sup>a</sup>	106-24-1	2048
Guaiacol <sup>a</sup>	90-05-1	2048
4-Allylanisole	140-67-0	>2048
Allyl disulfide	2179-57-9	>2048
trans-Anethole	4180-23-8	>2048
Anisole	100-66-3	>2048
(-)-Bornyl acetate	5655-61-8	>2048
(-)- $\alpha$ -Bisabolol	23089-26-1	>2048
Butyl isothiocyanate	592-82-5	>2048
$\beta$ -Caryophyllene	87-44-5	>2048
(-)-trans-Caryophyllene	87-44-5	>2048
Cedrol	77-53-2	>2048
Cineole	470-82-6	>2048
( $\pm$ )-Citronellal	106-23-0	>2048
Citronellyl propionate	141-14-0	>2048
p-Cymene	99-87-6	>2048
2-Decanol	1120-06-05	>2048
D-Dihydrocarvone	7764-50-3	>2048
Farnesene	mixture of isomers	>2048
(+)-Fenchone	4695-62-9	>2048
Geranyl acetate	105-87-3	>2048
Hexyl hexanoate	6378-65-0	>2048
(-)-Isopulegol	89-79-2	>2048
(R)-(+)-Limonene	5989-27-5	>2048
(-)-Linalool	126-91-0	>2048
(-)-Menthone	14073-97-3	>2048
(-)- $\beta$ -Pinene	18172-67-3	>2048
$\alpha$ -Phellandrene	99-83-2	>2048
(+)-Rose oxide	16409-43-1	>2048
$\alpha$ -Terpinene	99-86-5	>2048
$\gamma$ -Terpinene	99-85-4	>2048
Terpinolene	586-62-9	>2048

<sup>a</sup> substances included in stress response analysis

### Supplementary Figure S2

Principal component analysis of the average spectra for each time and treatment – samples scores plot for PC1×PC2 projection (top) and PC1×PC3 projection (bottom). Samples from 0, 90 and 120 minutes were included.



Chemicals: A Citronellol E Thymol I Carvomenthenol M Tetracycline  
 B Citral F Carvacrol J Carvone N Chlorine  
 C Eugenol G α-Pinene K Guaiacol O Peroxide  
 D Geraniol H Cinnamaldehyde L Carene P Positive Control

