**Supplementary table S4:** Analyses of variance and mean comparison for total lipophilic antioxidant activities (LAA), carotenoids, chlorophylls a and b (Chl A and Chl B, respectively) content in fruit of different tomato cultivars treated with the biostimulant Cyco Flow applied by fertirrigation 4 times. Means ± SD within rows and columns followed by the different letter are significantly different based on Tukey-HSD test (p ≤ 0.05).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **E17** | **E36** | **E107** | **PDVIT** | **SIGNIFICANCE** | |
| **Carotenoids**  **(mg/100 g FW)** | **control** | 5.01 ± 0.36 c | 6.09 ± 0.09 cd | 0.94 ± 0.04 a | 6.90 ± 0.40 d | G | \*\*\* |
| **treated** | 3.17 ± 0.30 b | 5.26 ± 0.23 c | 0.99 ± 0.03 a | 8.43 ± 0.59 e | T | ns |
|  |  |  |  |  | GxT | \*\*\* |
| **Chl A**  **(mg/100 g FW)** | **control** | 2.94 ± 0.39 b | 1.53 ± 0.19 ab | 2.45 ± 0.46 ab | 1.14 ± 0.21 a | G | \*\* |
| **treated** | 2.30 ± 0.33 ab | 1.48 ± 0.16 ab | 2.07 ± 0.35 ab | 2.04 ± 0.32 ab | T | ns |
|  |  |  |  |  | GxT | ns |
| **Chl B**  **(mg/100 g FW)** | **control** | 3.84 ± 0.50 a | 2.24 ± 0.25 a | 2.43 ± 0.30 a | 2.59 ± 0.50 a | G | \* |
| **treated** | 3.38 ± 0.33 a | 2.24 ± 0.15 a | 2.48 ± 0.36 a | 2.85 ± 0.56 a | T | ns |
|  |  |  |  |  | GxT | ns |
| **LAA**  **(mg/100 g FW)** | **control** | 18.26 ± 0.31 a | 18.88 ± 0.30 ab | 19.32 ± 0.04 bc | 19.67 ± 0.11 bc | G | \*\*\* |
| **treated** | 19.57 ± 0.25 bc | 19.74 ± 0.05 c | 19.89 ± 0.02 c | 19.85 ± 0.03 c | T | \*\*\* |
|  |  |  |  |  | GxT | \*\* |

G = genotype; T = treatment; \* = p ≤ 0.05; \*\* = p ≤ 0.01; \*\*\* = p ≤ 0.001