

Supplementary Table S1: ANOVA table showing the P-values for measured parameters between experiments.

| | FW | DW | TPC | TFC | Proline | Chl. a | Chl. b | Chl. a&b |
|-----------------|-------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|---------------------|
| Cilantro | | | | | | | | |
| Expt. 1 | 19.20 | 2.90 | 4.94 | 5.11 | 16.09 | 21.64 | 47.81 | 77.85 |
| Expt. 2 | 11.70 | 1.69 | 7.32 | 4.46 | 7.37 | 21.32 | 43.84 | 75.92 |
| P-value | <0.0001 | <0.0001 | <0.0001 | 0.08 | <0.0001 | <0.0001 | <0.0001 | <0.0001 |
| Parsley | | | | | | | | |
| Expt. 1 | 15.94 | 3.03 | 1.92 | 2.22 | 25.69 | 21.57 | 47.69 | 77.47 |
| Expt. 2 | 6.91 | 1.33 | 1.34 | 0.88 | 2.58 | 21.51 | 42.33 | 74.01 |
| P-value | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.753 | <0.001 | <0.001 |