**Supplementary Data Table S1** Leaf types and sources of the three batches of leaves used in the whole leaf cleaning experiment and the microbial load of whole leaf samples on day 0 and day 6 post cleaning.

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| **Treatment** | **N** | **Spinach leaf type and source** | **Microbial load (log CFU/g) on** | |
| **Day 0** | **Day 6** |
| Control | 1 | Teen Spinach from Campania, Italy | 6.40 | 6.90 |
| Control | 2 | Teen Spinach from Campania, Italy | 6.22 | 6.98 |
| Control | 3 | Standard spinach from Kent, UK | 6.04 | 7.25 |
| Control | 4 | Standard spinach from Kent, UK | 5.86 | 7.09 |
| Control | 5 | Teen spinach from Wiltshire, UK | 6.39 | 7.22 |
| Control | 6 | Teen spinach from Wiltshire, UK | 6.11 | 6.86 |
| UAS (40 seconds) | 1 | Teen Spinach from Campania, Italy | 4.66 | 5.83 |
| UAS (40 seconds) | 2 | Teen Spinach from Campania, Italy | 4.82 | 6.14 |
| UAS (40 seconds) | 3 | Standard spinach from Kent, UK | 5.14 | 5.81 |
| UAS (40 seconds) | 4 | Standard spinach from Kent, UK | 5.03 | 5.98 |
| UAS (40 seconds) | 5 | Teen spinach from Wiltshire, UK | 5.37 | 5.89 |
| UAS (40 seconds) | 6 | Teen spinach from Wiltshire, UK | 4.64 | 6.37 |
| Non-UAS (40 seconds) | 1 | Teen Spinach from Campania, Italy | 5.17 | 6.07 |
| Non-UAS (40 seconds) | 2 | Teen Spinach from Campania, Italy | 5.64 | 6.01 |
| Non-UAS (40 seconds) | 3 | Standard spinach from Kent, UK | 6.03 | 6.28 |
| Non-UAS (40 seconds) | 4 | Standard spinach from Kent, UK | 5.65 | 6.12 |
| Non-UAS (40 seconds) | 5 | Teen spinach from Wiltshire, UK | 5.55 | 6.20 |
| Non-UAS (40 seconds) | 6 | Teen spinach from Wiltshire, UK | 5.24 | 5.64 |
| UAS (2 minutes) | 1 | Teen Spinach from Campania, Italy | 4.62 | 5.36 |
| UAS (2 minutes) | 2 | Teen Spinach from Campania, Italy | 4.37 | 5.66 |
| UAS (2 minutes) | 3 | Standard spinach from Kent, UK | 4.90 | 4.83 |
| UAS (2 minutes) | 4 | Standard spinach from Kent, UK | 5.17 | 5.64 |
| UAS (2 minutes) | 5 | Teen spinach from Wiltshire, UK | 5.18 | 5.48 |
| UAS (2 minutes) | 6 | Teen spinach from Wiltshire, UK | 5.19 | 5.87 |
| Non-UAS (2 minutes) | 1 | Teen Spinach from Campania, Italy | 5.12 | 5.44 |
| Non-UAS (2 minutes) | 2 | Teen Spinach from Campania, Italy | 4.91 | 7.25 |
| Non-UAS (2 minutes) | 3 | Standard spinach from Kent, UK | 4.54 | 5.33 |
| Non-UAS (2 minutes) | 4 | Standard spinach from Kent, UK | 5.66 | 5.92 |
| Non-UAS (2 minutes) | 5 | Teen spinach from Wiltshire, UK | 5.26 | 6.18 |
| Non-UAS (2 minutes) | 6 | Teen spinach from Wiltshire, UK | 5.41 | 5.94 |