**Supplementary Figure Captions List**

**Fig. S2** Representative macroscopic images of samples which were kept in resealable bags on day 0 and day 6 post cleaning. Samples were cleaned with (a) Ultrasonically Activated Stream (UAS) (40 seconds); (b) non-UAS (40 seconds); and (c) UAS (2 minutes) and (d) non-UAS (2 minutes). Scale bar = 1 cm. Top row shows the adaxial surface and bottom row shows the abaxial surface of the leaves.

**Fig. S3** Representative macroscopic images of samples which were acquired immediately after cleaning with (a) Ultrasonically Activated Stream (UAS) (40 seconds); (b) non-UAS (40 seconds); and (c) UAS (2 minutes) and (d) non-UAS (2 minutes). No visible surface damage was detected in all sample groups. Scale bar = 1 cm. Top row shows the adaxial surface and bottom row shows the abaxial surface of the leaves.

**Fig. S4** The (a) adaxial and (b) abaxial surfaces of control samples and damaged control samples with wounds which were visible at macroscopic scale. Scale bar = 10 mm. The wounds were manually created using stainless steel tweezers.

**Fig. S5** Representative microscopic images showing the adaxial and abaxial surfaces of damaged and undamaged control spinach leaf samples as well as samples treated with and without UAS at both durations. Scale bar = 500 µm. The distance between the top and bottom focal position, ΔZ of each micrograph is as labelled.