

**Supplementary data:**

Supplementary Table S1. List of primers used in this study.

Gene	Forward primer	Reverse primer	Accession No.
<i>β-Actin</i>	CCTGGTATCGCTGACCGTAT	TACTGAGCGATGCAAGGATG	MELO3C023264
<i>ADP</i>	ATATTGCCAACAAGGCGTAGA	TGCCCCGTAAACAAGGGATAAA	MELO3C023630
<i>GL2</i>	TTAATCAATAATCCCACCGCC	CGGCTCAGAGTTATCACTACAGCT	MELO3C024256
<i>JAZ</i>	CAGCCCTCAAAGCCAACAAC	CTCTGAGGTCTCGCTTTCG	MELO3C006046
<i>JMT</i>	GGGCCCAACACGTTACTTCT	AAGACGTCGATGGAACTCGG	MELO3C003803

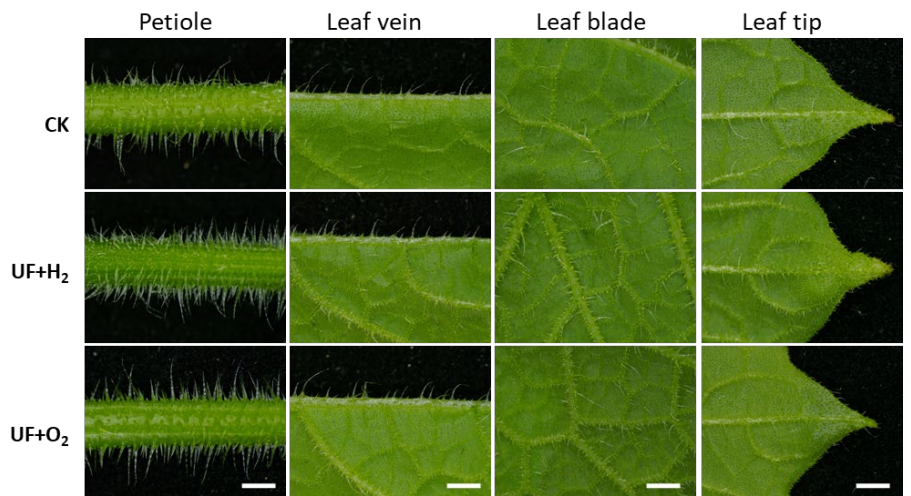


Figure S1. Morphology of trichomes in different tissues of melon after ultrafine water irrigation. The morphology of trichome development after melons were irrigated with ultrafine water enrichment of hydrogen (UF+H<sub>2</sub>), oxygen (UF+O<sub>2</sub>), and RO water control. Scale bar, 2 mm.