

A tomato strigolactone-impaired mutant displays aberrant shoot morphology and plant interactions

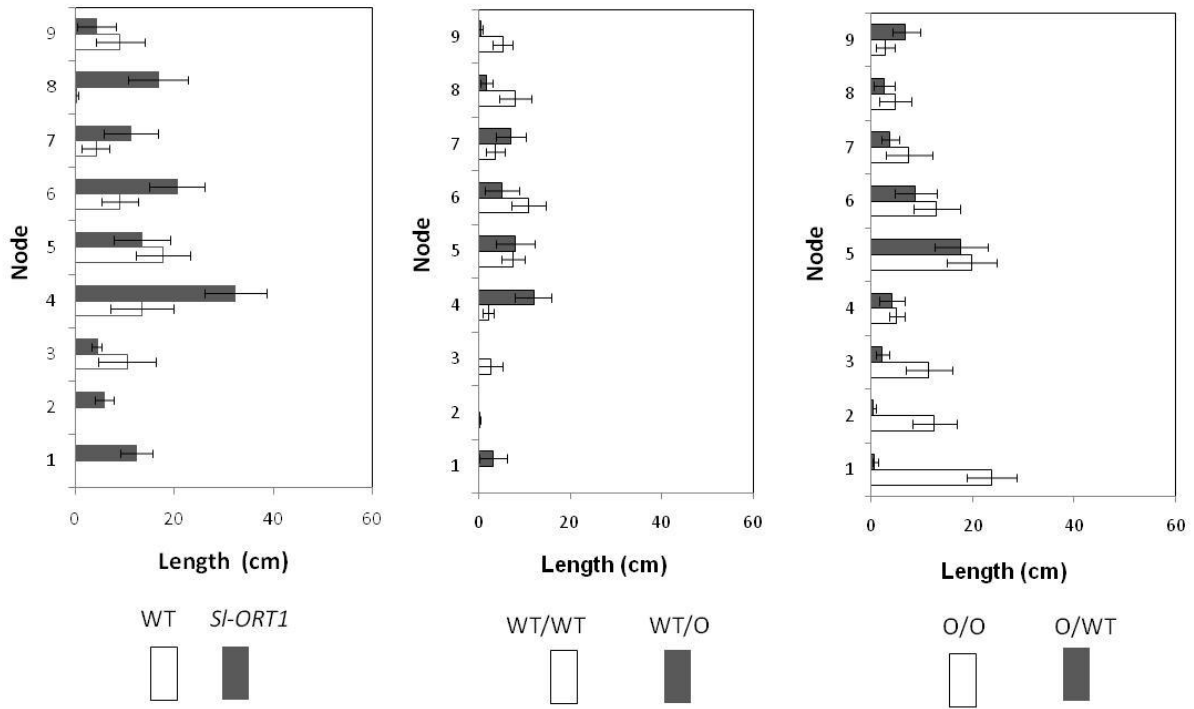
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Supplementary Material

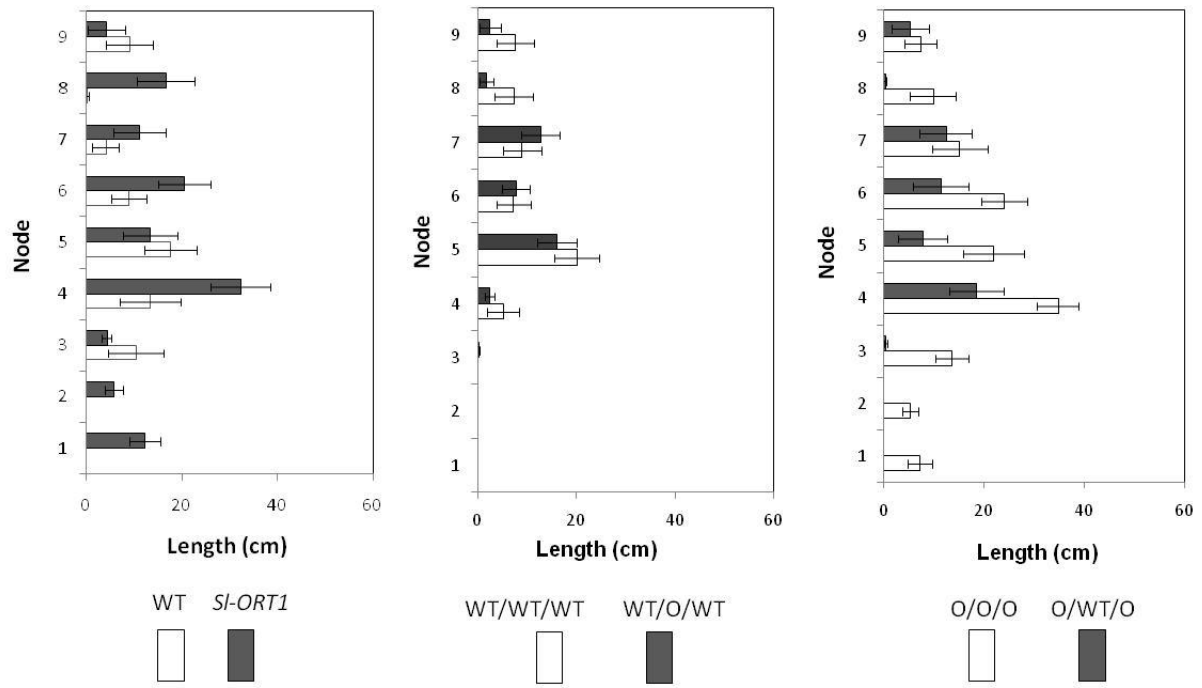
Supplementary Figure S1. Morphological analysis of WT (*Solanum lycopersicon* cv. M82), *Sl-ORT1* and hypocotyl grafted plants, at each of the shoot nodes. WT/WT: WT_{scion}-WT_{stock}; O/O: *Sl-ORT1*_{scion}-*Sl-ORT1*_{stock}; O/WT: WT_{scion}-*Sl-ORT1*_{stock}; WT/O: *Sl-ORT1*_{scion}-WT_{stock}. In each replicate eight plants were examined for each WT and *Sl-ORT1* strains. The experiment was repeated three times. Means and standard errors are shown.

Supplementary Figure S2. Morphological analysis of WT (*Solanum lycopersicon* cv. M82), *Sl-ORT1* and interstock grafted plants, at each of the shoot nodes. WT/WT/WT: WT_{scion}-WT_{interstock}- WT_{stock}; O/O/O: *Sl-ORT1*_{scion}- *Sl-ORT1*_{interstock}-*Sl-ORT1*_{stock}; WT/O/WT: WT_{scion}- *Sl-ORT1*_{interstock}- WT_{stock}; O/WT/O: *Sl-ORT1*_{scion}- WT_{interstock}-*Sl-ORT1*_{stock}. In each replicate eight plants were examined for each WT and *Sl-ORT1* strains. The experiment was repeated three times. Means and standard errors are shown.

Supplementary Figure S3. The tomato *CCD8* gene fragment sequence.



Supplementary Figure1



Supplementary Figure2

CAGCAATCTGCAATCACAGCGGTA ACTCTTCCATCTTCGTCTTTNTCTTCG
TATCCNTTGATGAAGTGGAATGTCACGTA
TAATGGCACTTCTACACTTGCCACAATGTTGCCACTGGCTNTACACATAAC
ATGTACAAATGCTTTAGAATCAGGATGCC
ACTCAA ACTTATACAGTGGTGTGGCTCAGCCTTCAACAAATTTTTNGCAC
AATACCTTAGTGACATCTCAGGCACAATA
ACATAATTTTCTGTAACAGGAAATGAATGAACCCATCCTGGTGCTGGTCCT
CCTCTACA ACTCACTCTCCCTATATACTT
CCTCTCATTGTCCCTGCCTCCATTCTCACCACCGNATATCCCGGGTTCATT
AAATCCGGAATCAACGTTATGAACTCAC
TGTCCGTAACCACTGGATGAGCTGAATGAATCAATCCACCTAACGAGTCA
CTATATTCAAATTTCCCAATTGTATCTAGG
GTGTTCCGATCAATTACAATGGAACCTTTTATCGTCTCAGTTAAGCAGACT
ACGCGTCCATCCCCAAGTTTAACGACTCC
AGTGTTAGCATTATCGGTTAGGGATGCACCGGAGAGTAATTTTGCCATGTC
ACCTATGTAGGATAAGAAATTGTCTACTT
TNGGNACTTCTGAAAATTCTCTGTAACATATTTTCTTACTGATTTTTGCTGC
TTNATATGCGTCCGATTCNATTTGTCTA

Supplementary Figure 3: A fragment of the *Solanum lycopersicon* CCD8 gene