
Supplementary information

Releasing a sugar brake generates sweeter tomato without yield penalty

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Releasing a sugar brake generates sweeter tomato without yield penalty

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Supplementary Figure 1: Page 1

The original source images for western blots.

Supplementary Figure 2: Page 2

The original source images for *in vitro* phosphorylation assays.

Supplementary Table S1: separate

Information of SNPs associated with SSC with P value $< 1 \times 10^{-6}$.

Supplementary Table S2: separate

All variations of *SICDPK27* in 20 accessions identified by re-sequencing based on PCR amplification.

Supplementary Table S3: separate

The key SNP and Indels at *SICDPK27* genome region in 402 accessions.

Supplementary Table S4: separate

Allele frequency of 12-bp insertion in 402 tomato accessions.

Supplementary Table S5: separate

List of potential interactors of *SICDPK27* identified by IP-MS.

Supplementary Table S6: separate

The causative variation of *fw11.3* in 402 accessions.

Supplementary Table S7: separate

Allele frequency of 1,406-bp deletion in 402 tomato accessions.

Supplementary Table S8: separate

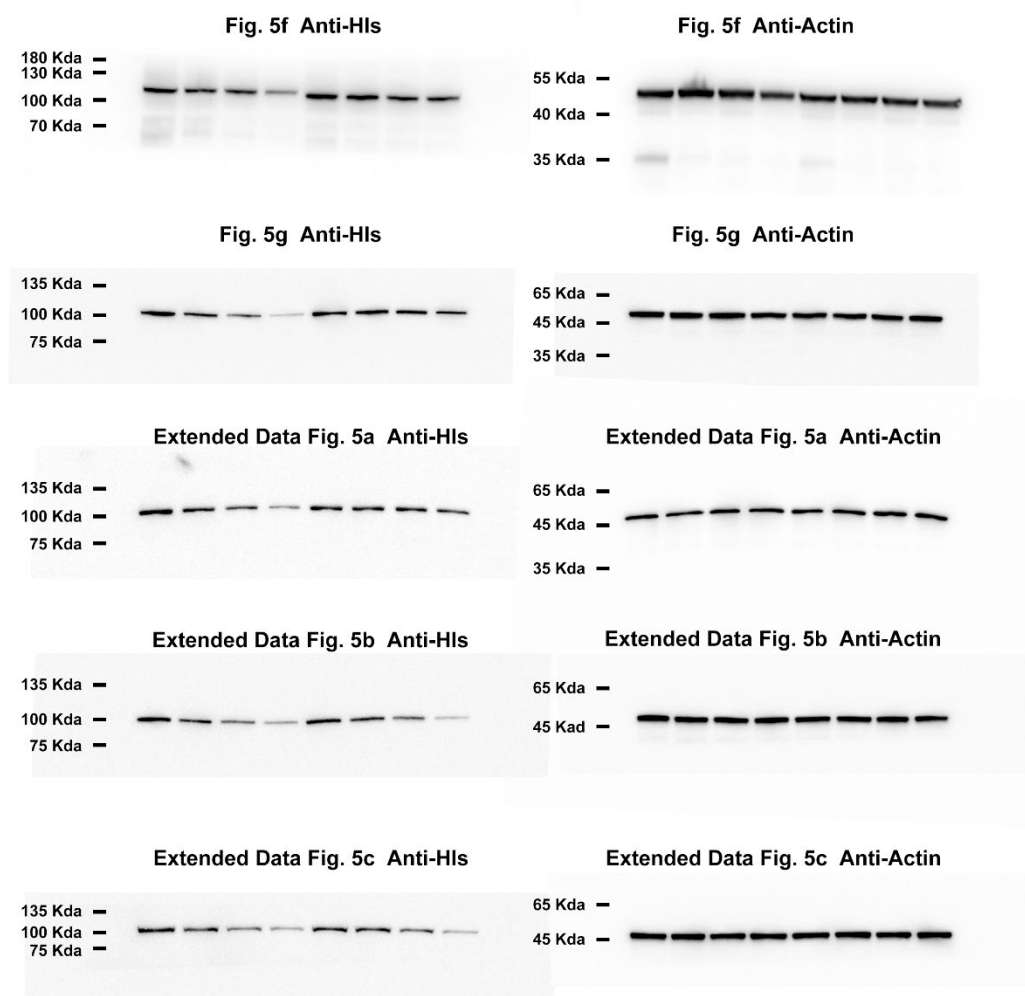
The tomato accessions used in this study.

Supplementary Table S9: separate

Primers used in this study.

Supplementary Table S10: separate

Specific compound dependent MS parameters used in multiple reaction monitoring (MRM) for LC-MS/MS.



Supplementary Figure 1 | The original source images for western blots.

Fig. 2b and 5d

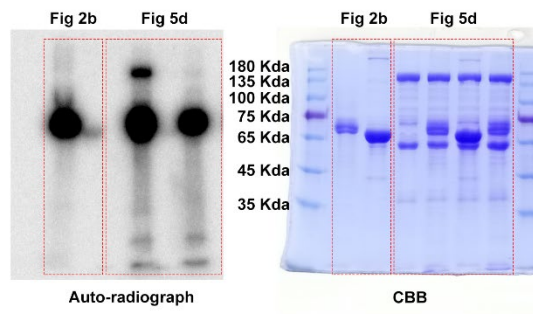


Fig. 5e

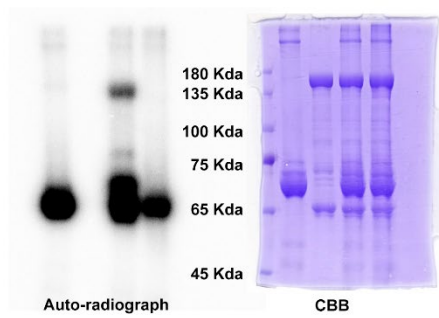
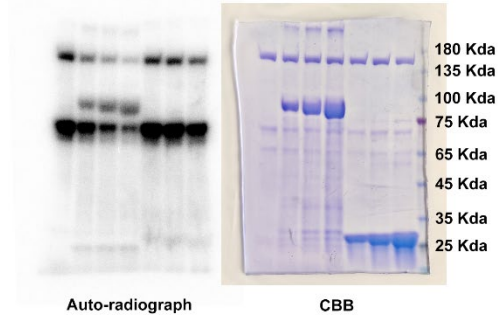


Fig. 6c



Supplementary Figure 2 | The original source images for *in vitro* phosphorylation assays.