

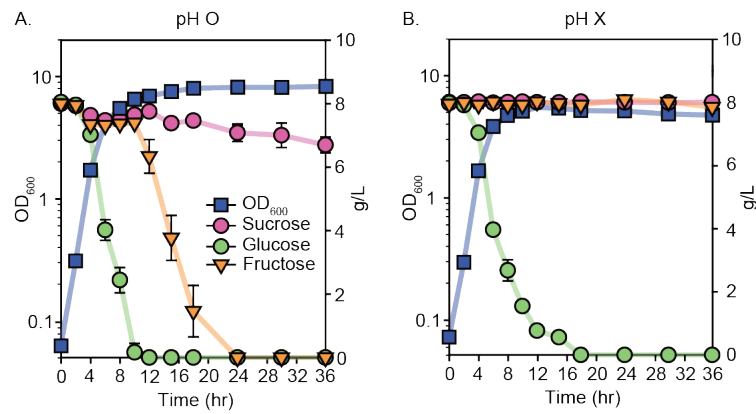
Additional file 1

Supplementary Figure S1. CCR test on wild type W with the pH control using sucrose, glucose, and fructose as substrates. (A) CCR confirmation test of sucrose, glucose, and fructose on wild type W with pH control, (B) CCR confirmation test of sucrose, glucose, and fructose on wild type W without pH control.

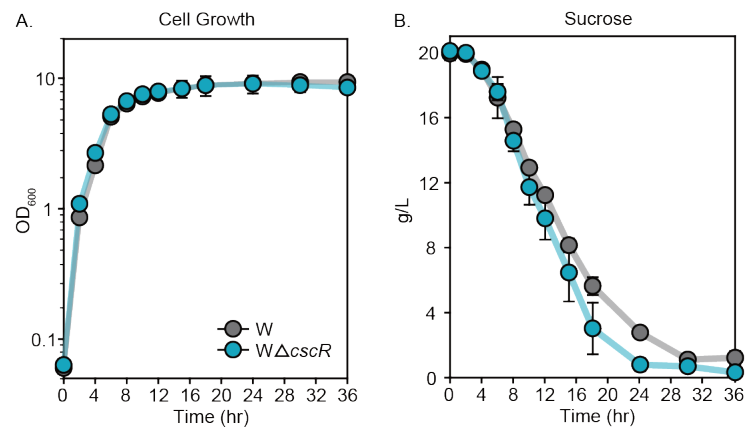
Supplementary Figure S2. Physiology test between wild type W and $W\Delta cscR$ strains using sucrose as a substrate. (A) cell growth, (B) sucrose consumption graphs.

Supplementary Figure S3. Physiology tests between wild type W and $W\Delta fruR$ strains using sucrose, glucose, and fructose as substrates. (A) cell growth, (B) acetate accumulation, (C) sucrose consumption, (D) glucose consumption, (E) fructose consumption graphs.

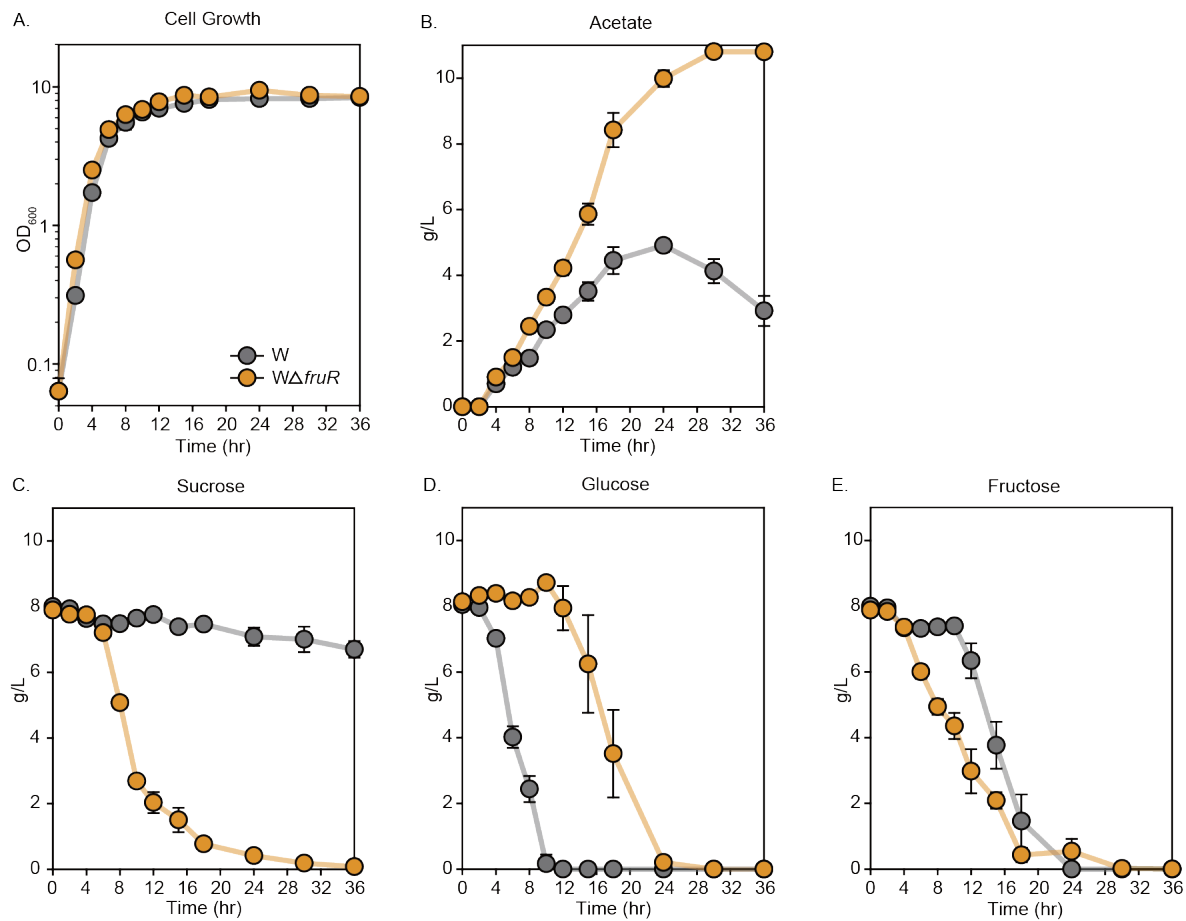
Supplementary Figure S4. Acetate accumulation comparison between $W\Delta fruR$, F1, F2, F3, and F4 strains using sucrose, glucose, and fructose as substrates.



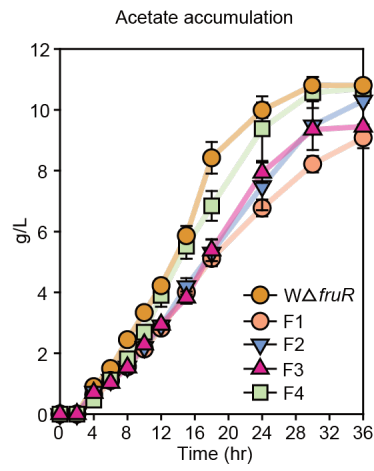
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Supplementary Figure S2. Physiology test between wild type W and W Δ cscR strains using sucrose as a substrate. (A) cell growth, (B) sucrose consumption graphs.



Supplementary Figure S3. Physiology tests between wild type W and WΔ*fruR* strains using sucrose, glucose, and fructose as substrates. (A) cell growth, (B) acetate accumulation, (C) sucrose consumption, (D) glucose consumption, (E) fructose consumption graphs.



Supplementary Figure S4. Acetate accumulation comparison between $W\Delta fruR$, F1, F2, F3, and F4 strains using sucrose, glucose, and fructose as substrates.