

Supplementary Information

Synthetic Biology Tools for Programming Gene Expression Without Nutritional Perturbations in *Saccharomyces cerevisiae*

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Sequences of promoters for Z₃EV targeting used in main text with Zif268 binding elements highlighted:

>P1

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Sequences of Artificial Transcription Factors (ATFs) along with promoter and terminator elements:

>ACT1pr-Z₃EV-ENO2term

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Sequence of GFP reporter:

>GFP(Dasher)-Gal80term

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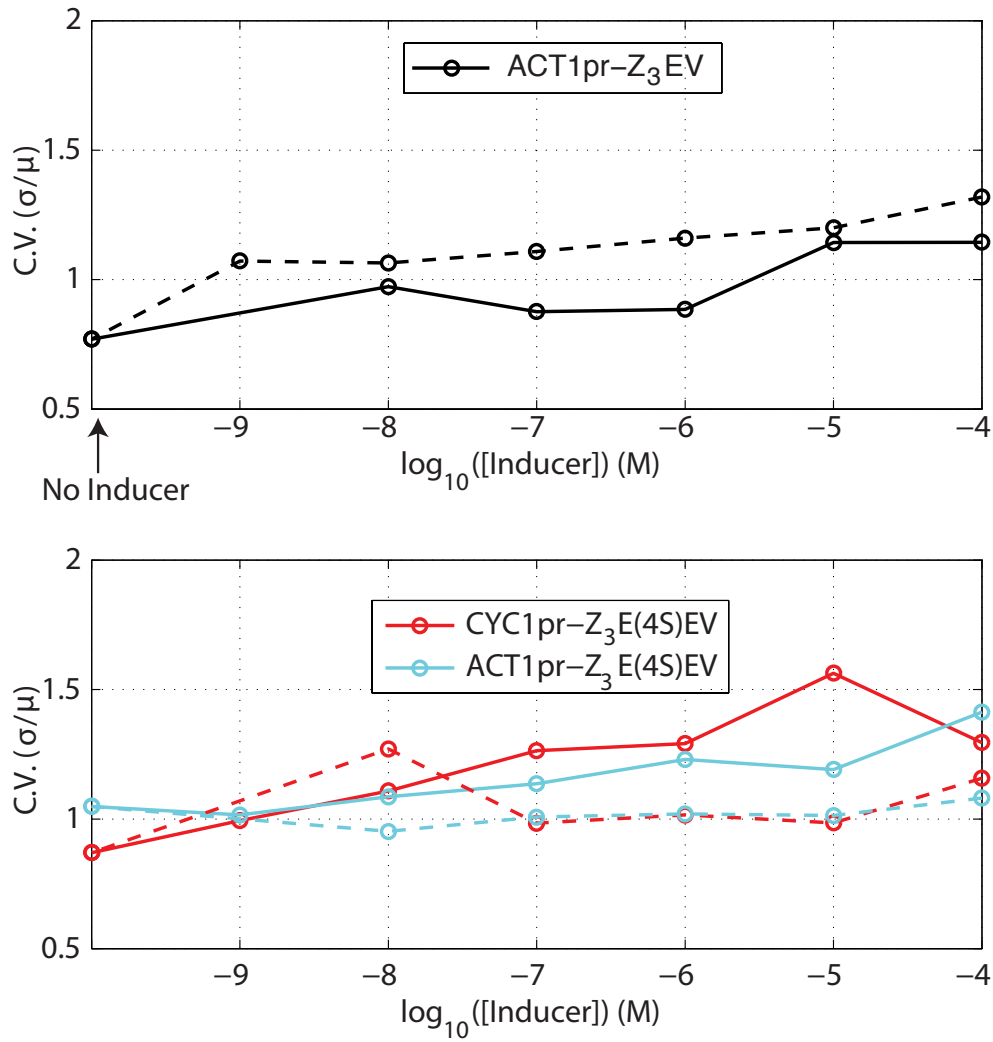


Figure S1: The coefficient of variation (C.V.) of GFP expression in a strain containing Z₃EV (top) or Z₃E(4S)V (bottom) in the presence of β -estradiol (solid lines) or DHB (dashed line).

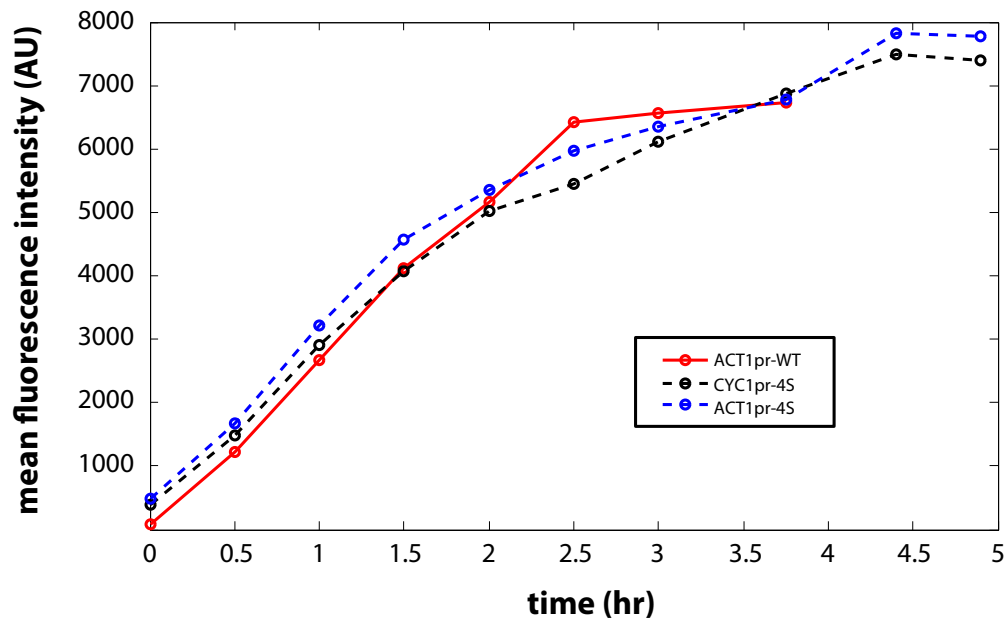


Figure S2: Induction of GFP by ACT1pr-Z₃E₃V (red), CYC1pr- Z₃E(4S)V (black), or ACT1pr- Z₃E(4S)V as function of time. ACT1pr-Z₃E₃V was induced with 1 μ M β -estradiol. CYC1pr- Z₃E(4S)V and ACT1pr- Z₃E(4S)V were induced with 1 μ M DHB.