

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: CRISPRa condition (unperturbed GFP activation).

File Name: Supplementary Movie 2

Description: Acr condition (constitutive expression of Acr inhibits GFP activation).

File Name: Supplementary Movie 3

Description: IFFL condition (induced activation of GFP and Acr). Selected cells demonstrating pulsatile reporter expression are manually annotated.

File name: Supplementary Movie 4

Description: Computationally selected cell-tracking traces of IFFL condition generated from image analysis pipeline.