Supplemental Figures

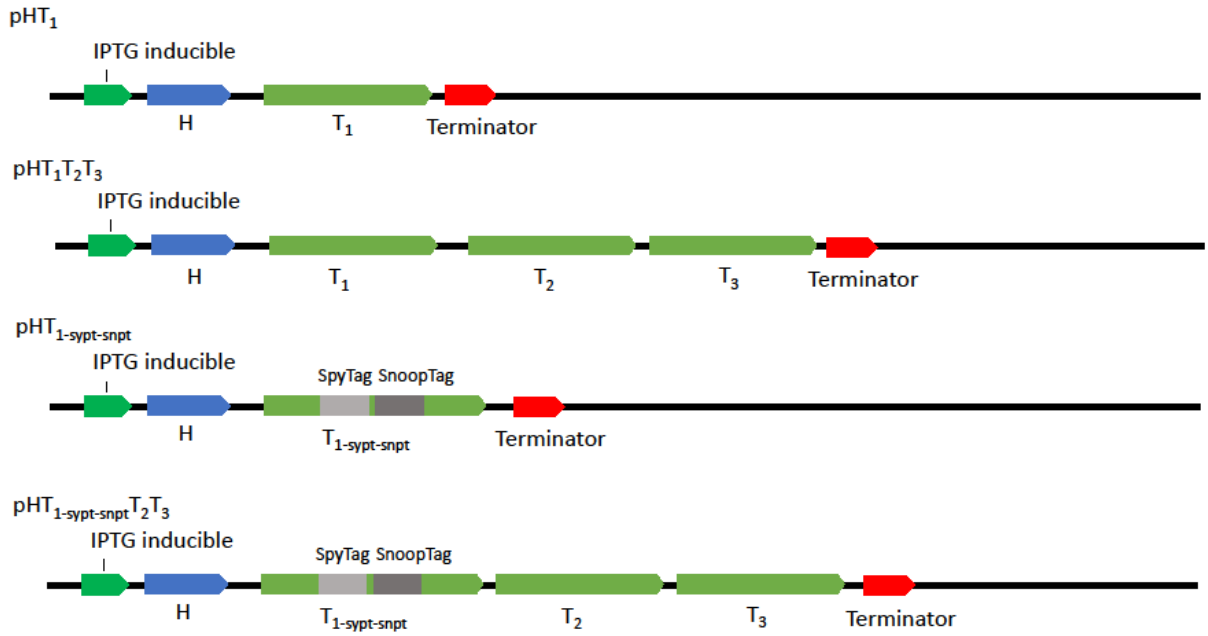


Figure S1: Schematics of synthetic operons for the expression of wiffleballs. No adapter domains minimal wiffleball: pHT_1; full wiffleball: $pHT_1T_2T_3$; and the SpyTag and SnoopTag adapter domain carrying variants: $pHT_{1\text{-sypt-snpt}}$ and $pHT_{1\text{-sypt-snpt}}T_2T_3$. All plasmids carry the colE1 origin of replication and an ampilicin resistance.

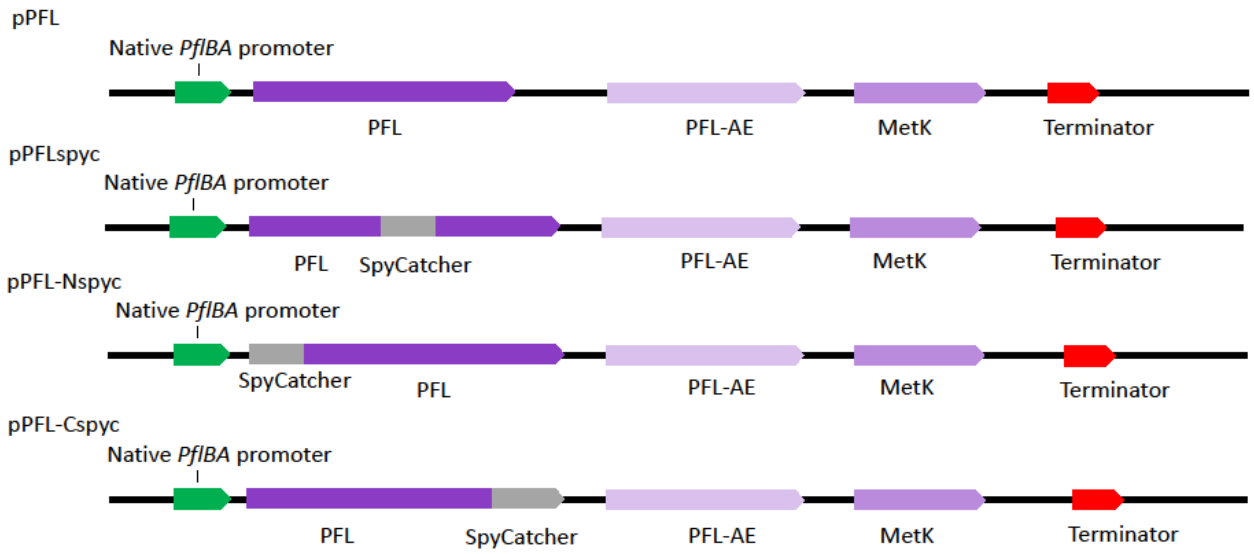


Figure S2: Schematics of synthetic operons for the expression of PFL and its variants carrying the adapter domain SpyCatcher, PFL-AE, and MetK. All constructs contain the p15a origin of replication and a chloramphenicol resistance.

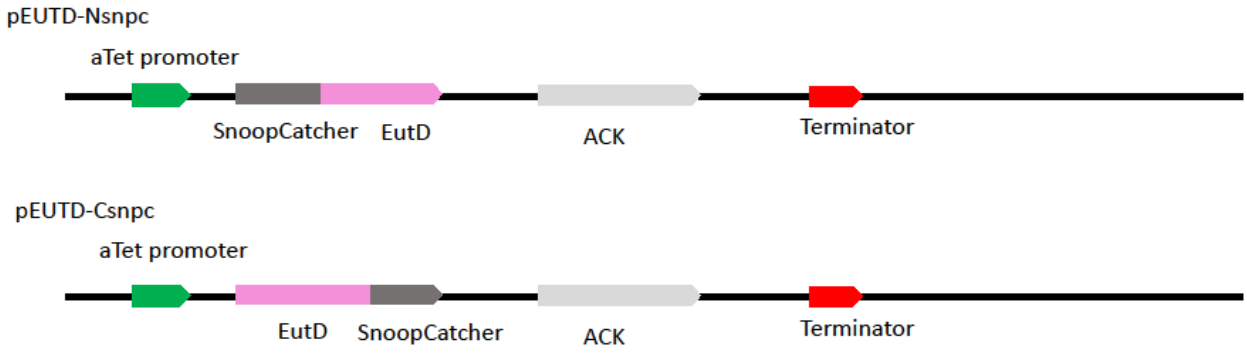
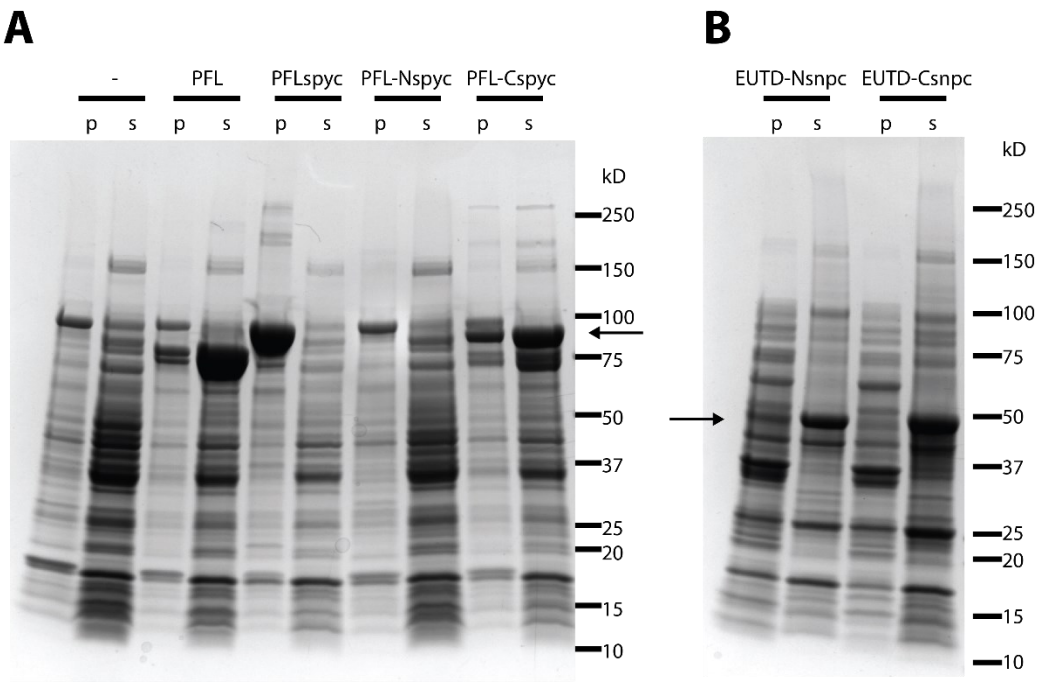


Figure S3: Schematics of synthetic operons for the expression of EUTD variants carrying the adapter domain SnoopCatcher and the acetate kinase (ACK). All constructs contain the p15a origin of replication and a kanamycin resistance.



Supp Figure S4: Coomassie stained SDS-PAGE gels of lysates from *E. coli* expressing the cargo plasmids. (A) Expression of PFL cargo plasmids in a PFL deletion strain (*ΔaceAΔpflB*). -: PFL deletion; PFL: WT PFL (85 kD) expressed from a plasmid; PFLspc: PFL with SpyCatcher insertion into a loop of the PFL (95 kD); PFL-Nspyc: N-terminal fusion of SpyCatcher (95 kD); PFL-Cspyc: C-terminal fusion of SpyCatcher (95 kD).

(B) Expression of EutD cargo plasmids. EutD-Nsnpc: N-terminal SnoopCatcher (49 kD); EutD-Csnpc: C-Terminal SnoopTag (49 kD).

Plasmid Sequences

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BMC-H highlighted in blue; BMC-T_1 highlighted in green.

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pHT$_{1\text{-}spyt\text{-}snpt}$ T$_2$T$_3$

BMC-H highlighted in blue; BMC-T$_{1\text{-}spyt\text{-}snpt}$ highlighted in green; BMC-T$_2$ highlighted in dark green; BMC-T$_3$ highlighted in brown.

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pPFL

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pPFLspyc

PFLspyc highlighted in purple; PFL-AE (*pflA*) highlighted in magenta, MetK highlighted in red.

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pPFL-Cspyc

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pEUTD-Nsnpc

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