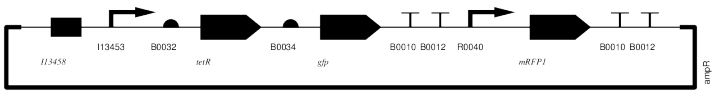
BBa_K783067

Summary This is an inverter with pBad driving tetR with GFP as a reporter. pTetR has RFP has a reporter. We used a weaker RBS (B0032) to control the tetR expression and it helped the inverter function properly. We used flow cytometry to measure the function of our inverter. As arabinose concentration increases, tetR and GFP also increases. As the tetR amount increases, the RFP decreases as tetR represses the pTetR promoter controlling RFP.

Part Type Composite Part

Pigeon Image



Designer Information

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Date 2012

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Designer Details

Type GFP Reporter

Vector pSB1C3

Design Components pBad-pTetR

Assembly Information

Assembly Method(s)	biobrick
Chassis	e. coli
Assembly RFC	10 and 23
Strain	bioline gold alpha
Scars	y

Flow Cytometry Experiment

Transfer Curve Graph