

BBa_K783067

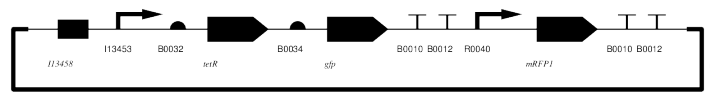
Summary

This is an inverter with pBad driving tetR with GFP as a reporter. pTetR has RFP as 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

Author(s)	Traci Haddock
Data Collectors	Traci Haddock
Date	2012
Affiliation	Boston University
Team	BostonU
Contact	Traci Haddock

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

