iGEM 2016: Team Pittsburgh Week 19 Lab Notebook

Wednesday, September 28

LacZ Mutagenesis (Maddie)

Thursday, September 29

DpnI Digest of LacZ Mutagenesis (Maya)

PCR Amplification of PT3-GFP (Maya)

Gel Purification of LacZ and T3amps, gel check of PT3-T3 (Maya)

PT3-GFP Amp. Digest with Xba, Pst (Maya)

Ligation of PT7-G (Maya)

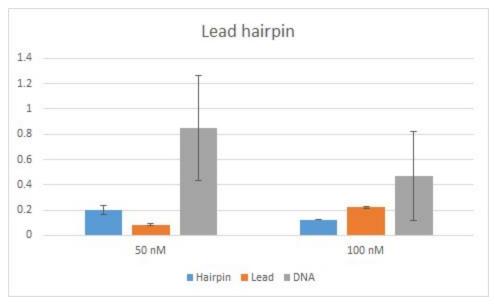
Modeling (Maya/Adam)

Cell-free reaction lead hairpin at 50 and 100 nM (Claire)

	edotion lead hairpin at oc		
	Solin A	45.6	
	В	34.2	
	RNASE XIC	5.7	
	sub	5,7	
	surtch @ 55	6 8.818.54	=475 ng
	Hro	2,59 2,85	J
	my	0.6	
	J	10.8/rxn	
	Tringers		
M14-15	Triggers 50 nm hp		1,2 ML 500 NM hp
M 16-17	50 nm hp +Pb	Lul hp @ JuM	<i>⇒</i> 1,2µL
		JUL PD @ 40,00	
11849	50 nm DNA		1:2 ML 500 MM DNA
120-21	100 nm hp		1.2 M Lumhp
M 22-23	100 nM hp + Pb	lul hp@2uM	⇒ (,2,µL
ryle		Jul Pb@ 40 mm	
a short (hovery)	LOU MM DWA		12 M JUM DNA
(hours)	M24 & A24		
			12.1110

Condition	hairpin				lead				DNA			
	1	2	average	st dev	1	2	average	st dev	1	2	average	st dev
50 nM	0.2266	0.1725	0.19955	0.038254	0.089	0.0772	0.0831	0.008344	1.1455	0.5585	0.852	0.415072
100 nM	0.1223	0.1225	0.1224	0.000141	0.2249	0.2175	0.2212	0.005233	0.7182	0.2237	0.47095	0.349664





Gel analysis of cleavage (Praneeth)

Friday, September 30
PT7-RBS to T3 (Maya)
Send out PT3-T3 for sequencing (Maya)