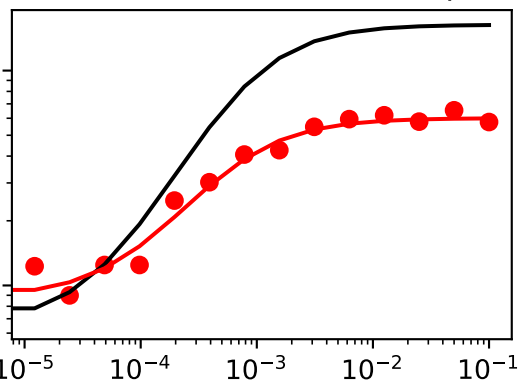
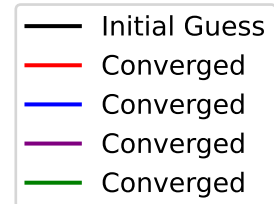
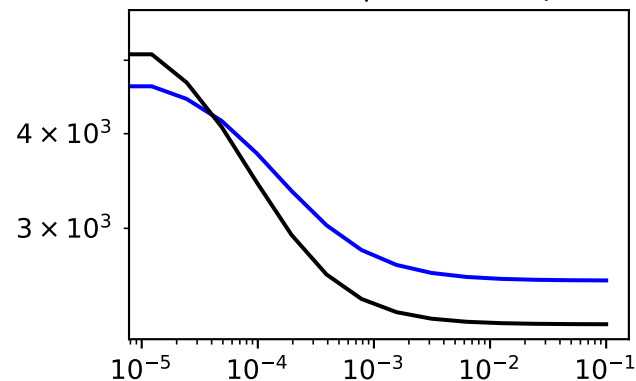


['SM data type data plots for mutation', 'Sensor7']

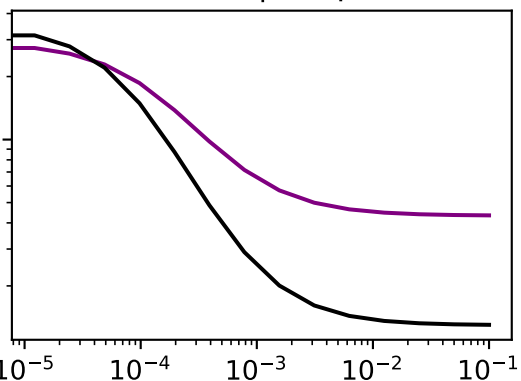
inducer -> sensor (GFP output)



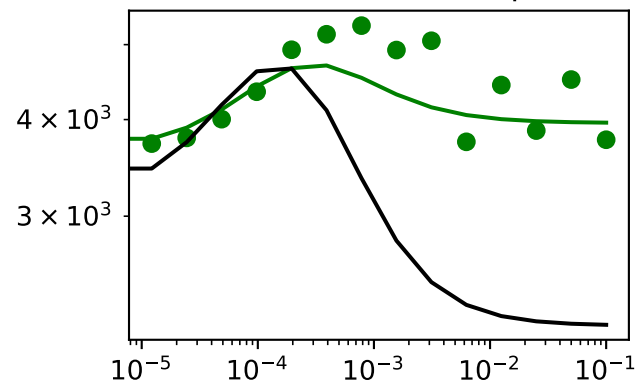
inducer -> S -| R (GFP output)



inducer -> S -| Output (GFP)



Full circuit with stripe



Across all four plots:

RSS (converged)=0.062

RSS (initial)=2.052

RSS (% reduction)=0.971

	epsilon	Initial_guesses	Converged
A_s	219.328611	6.599635e+02	8.792921e+02
B_s	-10339.484841	1.634714e+04	6.007655e+03
C_s	480.427484	1.259256e+03	1.739683e+03
N_s	-0.063985	1.160440e+00	1.096454e+00
A_r	0.000000	1.998310e+03	1.998310e+03
B_r	0.000000	2.040009e+11	2.040009e+11
C_r	0.000000	2.771808e+06	2.771808e+06
N_r	0.000000	8.375226e-01	8.375226e-01
A_h	0.000000	5.477878e-06	5.477878e-06
B_h	0.000000	6.710814e+04	6.710814e+04
C_h	0.000000	1.412943e-03	1.412943e-03
A_o	0.000000	5.414338e+07	5.414338e+07
B_o	0.000000	2.126439e+00	2.126439e+00
C_o	0.000000	2.720605e+00	2.720605e+00
N_o	0.000000	1.250443e+00	1.250443e+00

message: Optimization terminated successfully.

success: True

status: 0

fun: 0.06179897927884914

x: [8.793e+02 6.008e+03 ... 2.721e+00 1.250e+00]

nit: 702

nfev: 1150

final_simplex: (array([[8.793e+02, 6.008e+03, ..., 2.721e+00, 1.250e+00],
[8.793e+02, 6.008e+03, ..., 2.721e+00, 1.250e+00],
...,
[8.793e+02, 6.008e+03, ..., 2.721e+00, 1.250e+00],
[8.793e+02, 6.008e+03, ..., 2.721e+00, 1.250e+00]]), array([6.180e-02, 6.180e-02, ..., 6.180e-02, 6.180e-02]))