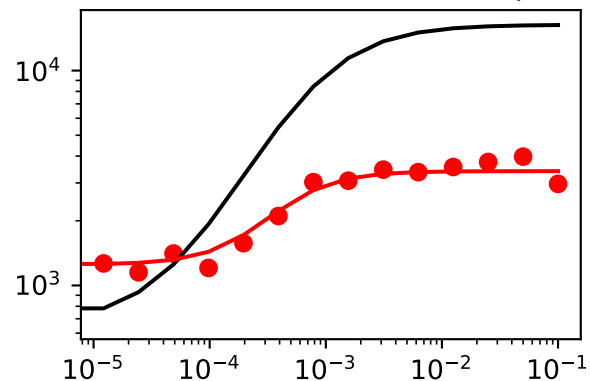
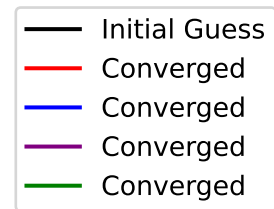
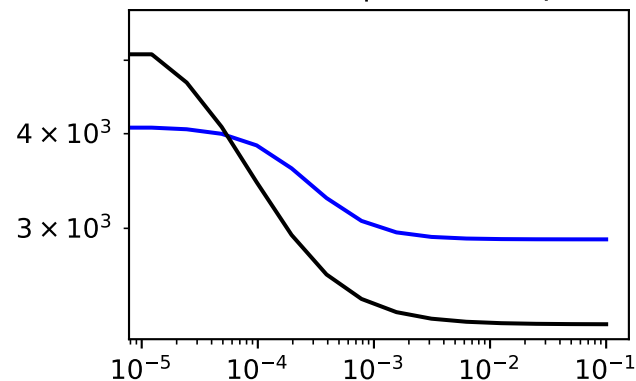


['SM data type data plots for mutation', 'Sensor3']

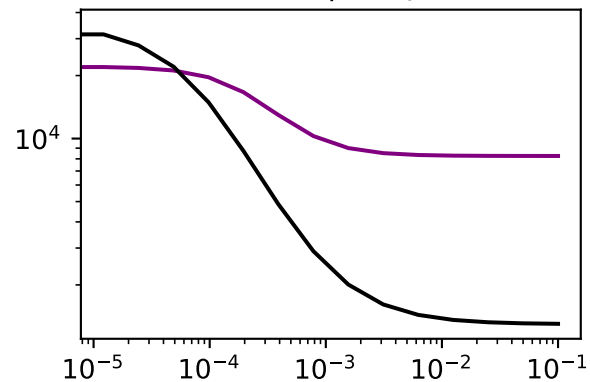
inducer -> sensor (GFP output)



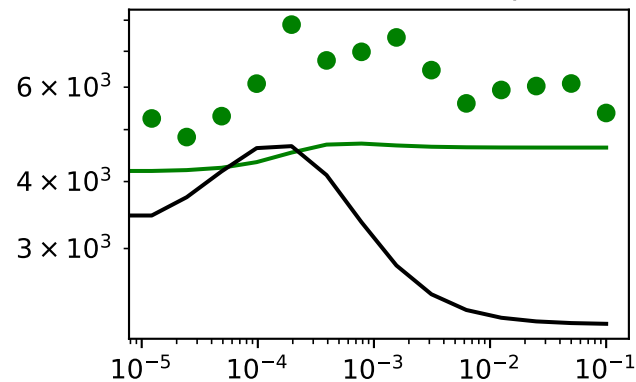
inducer -> S -| R (GFP output)



inducer -> S -| Output (GFP)



Full circuit with stripe



Across all four plots:

RSS (converged)=0.308

RSS (initial)=5.001

RSS (% reduction)=0.942

	epsilon	Initial_guesses	Converged
A_s	592.013241	6.599635e+02	1.251977e+03
B_s	-12943.466542	1.634714e+04	3.403673e+03
C_s	995.055804	1.259256e+03	2.254312e+03
N_s	0.413037	1.160440e+00	1.573476e+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: 0.3079602657800569
 x: [1.252e+03 3.404e+03 ... 2.721e+00 1.250e+00]
 nit: 819
 nfev: 1302
 final_simplex: (array([[1.252e+03, 3.404e+03, ..., 2.721e+00,
 1.250e+00],
 [1.252e+03, 3.404e+03, ..., 2.721e+00,
 1.250e+00],
 ...,
 [1.252e+03, 3.404e+03, ..., 2.721e+00,
 1.250e+00],
 [1.252e+03, 3.404e+03, ..., 2.721e+00,
 1.250e+00]]), array([3.080e-01, 3.080e-01, ..., 3.080e-01, 3.080e-01]))