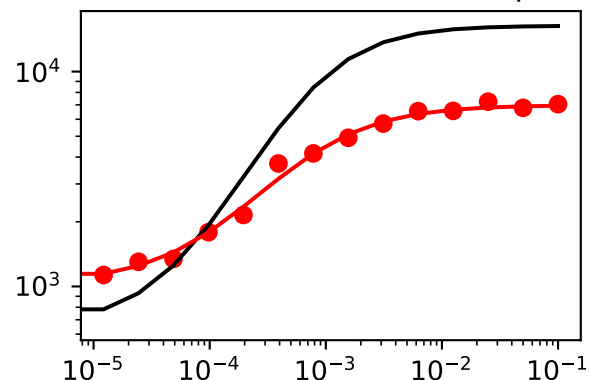
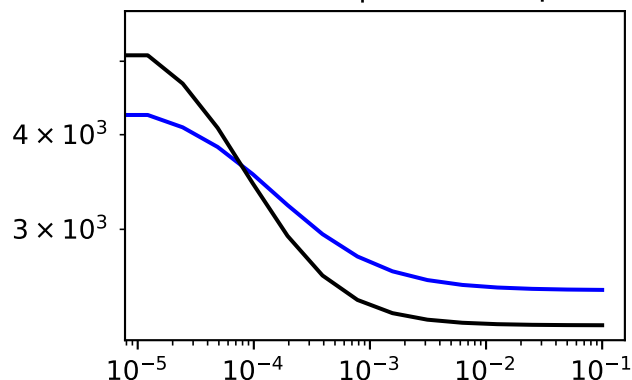


['SM data type data plots for mutation', 'Sensor6']

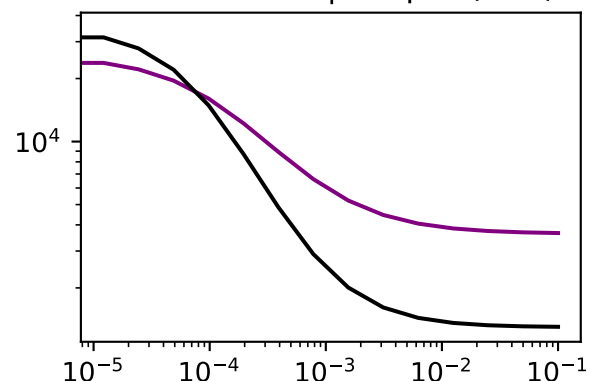
inducer -> sensor (GFP output)



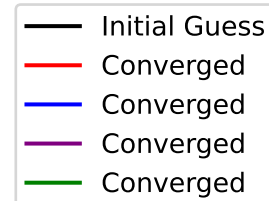
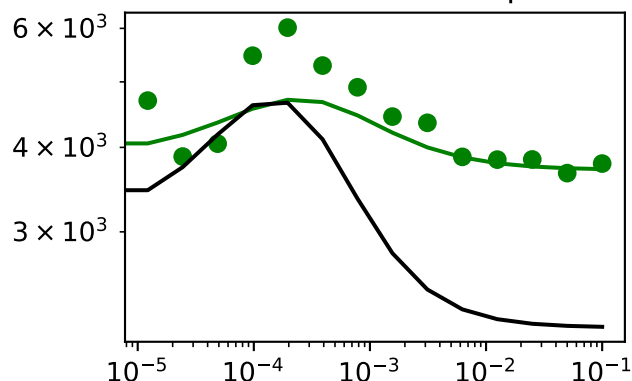
inducer -> S -| R (GFP output)



inducer -> S -| Output (GFP)



Full circuit with stripe



Across all four plots:

RSS (converged)=0.04

RSS (initial)=1.646

RSS (% reduction)=0.976

	epsilon	Initial_guesses	Converged
A_s	374.780254	6.599635e+02	1.034744e+03
B_s	-9365.469066	1.634714e+04	6.981670e+03
C_s	156.498341	1.259256e+03	1.415754e+03
N_s	-0.182142	1.160440e+00	9.782974e-01
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: 0.04003058029379139
 x: [1.035e+03 6.982e+03 ... 2.721e+00 1.250e+00]
 nit: 833
 nfev: 1297
 final_simplex: (array([[1.035e+03, 6.982e+03, ..., 2.721e+00,
 1.250e+00],
 [1.035e+03, 6.982e+03, ..., 2.721e+00,
 1.250e+00],
 ...,
 [1.035e+03, 6.982e+03, ..., 2.721e+00,
 1.250e+00],
 [1.035e+03, 6.982e+03, ..., 2.721e+00,
 1.250e+00]]), array([4.003e-02, 4.003e-02, ..., 4.003e-02, 4.003e-02]))