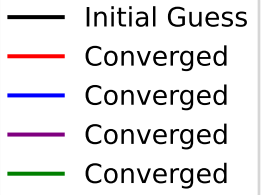
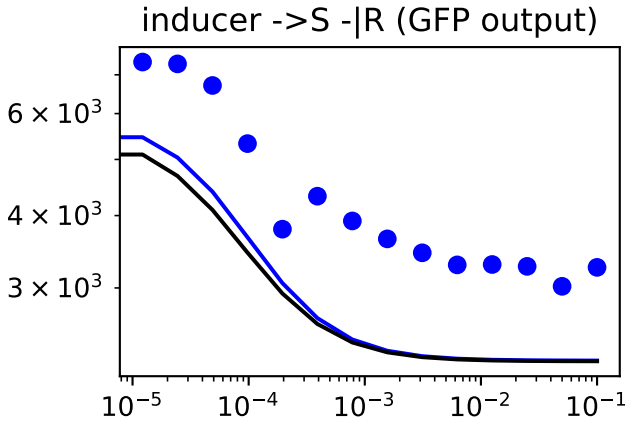
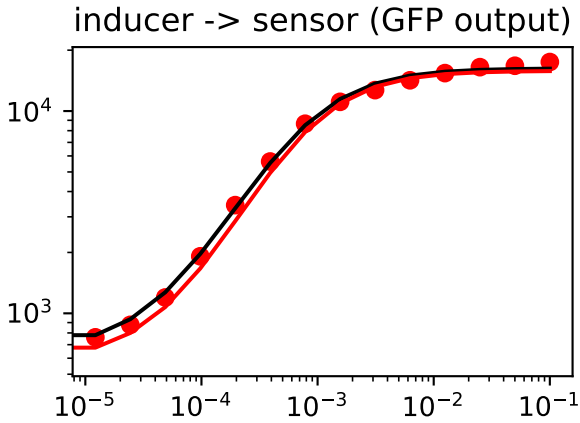
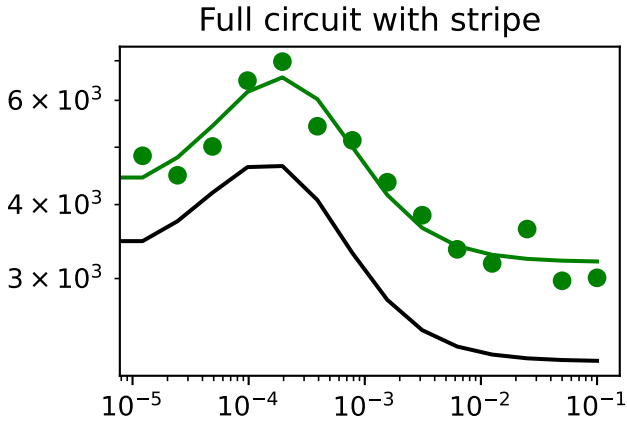
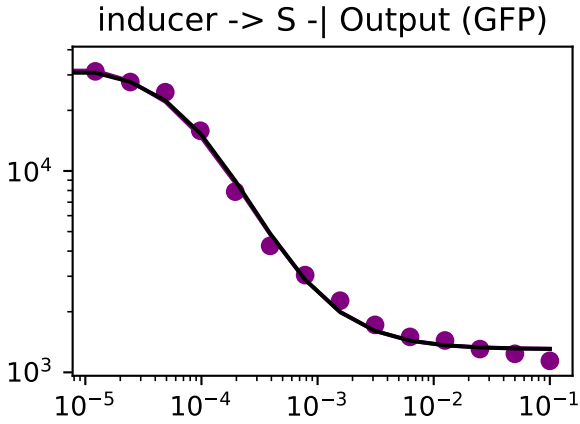


['SM data type data plots for mutation', 'Regulator7', 'using model:', 'model']



time elapsed for this fit
--- 73.86659955978394 seconds ---



Across all four plots:

RSS (converged)=0.461

RSS (initial)=0.847

RSS (% reduction)=0.647

	epsilon	Initial_guesses	Converged
A_s	-71.050035	650.714912	579.664877
B_s	-453.275657	16259.979950	15806.704293
C_s	-102.372436	1296.448889	1194.076452
N_s	0.039965	1.154067	1.194032
A_r	0.000000	2020.019216	2020.019216
B_r	0.000000	23688.809187	23688.809187
C_r	0.000000	0.010358	0.010358
N_r	0.000000	0.910072	0.910072
A_h	-140.223519	143.802212	3.578693
B_h	26948.363293	50238.271408	77186.634702
C_h	0.001102	0.000929	0.002031
A_o	0.431628	1.673894	2.105522
B_o	-0.621748	0.895342	0.273594
C_o	0.282099	2.657699	2.939798
N_o	-0.207918	1.379953	1.172034
F_o	10.669952	2.361284	13.031235

message: Optimization terminated successfully.
success: True
status: 0
fun: 0.46139596786181064
x: [5.797e+02 1.581e+04 ... 1.172e+00 1.303e+01]
nit: 27554
nfev: 35764
final_simplex: (array([[5.797e+02, 1.581e+04, ..., 1.172e+00,
1.303e+01],
[5.797e+02, 1.581e+04, ..., 1.172e+00,
1.303e+01],
...,
[5.797e+02, 1.581e+04, ..., 1.172e+00,
1.303e+01],
[5.797e+02, 1.581e+04, ..., 1.172e+00,
1.303e+01]]), array([4.614e-01, 4.614e-01, ..., 4.614e-01, 4.614e-01]))