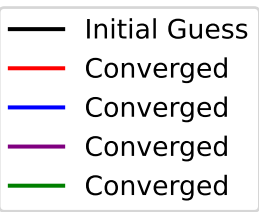
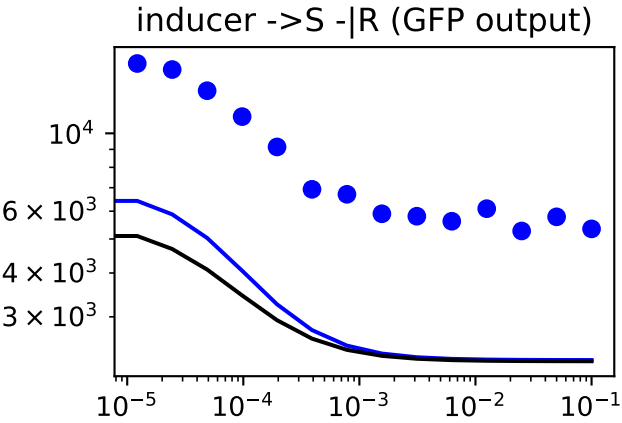
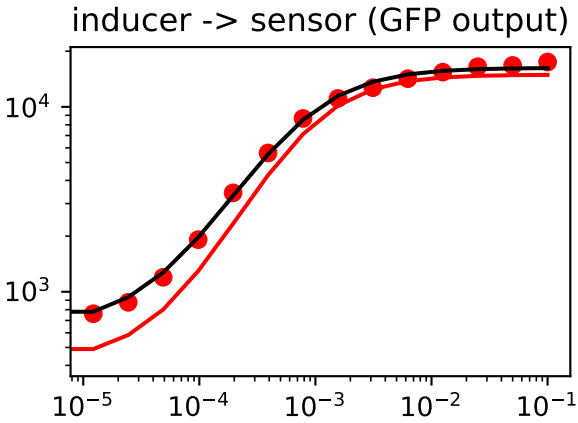
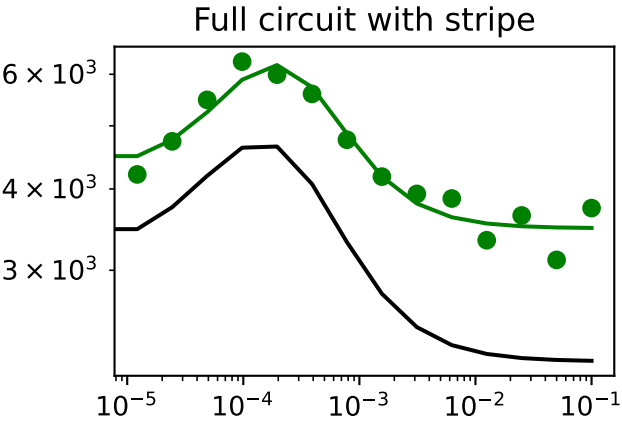
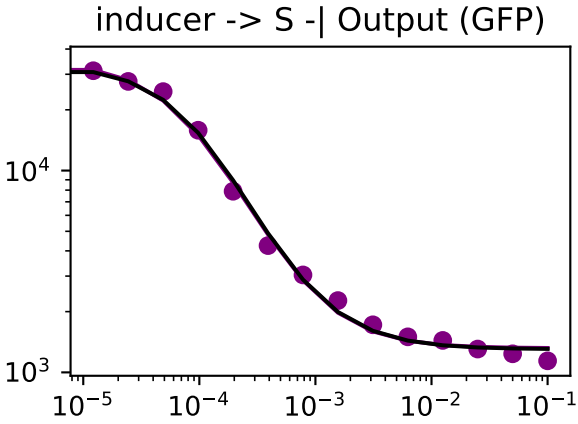


['SM data type data plots for mutation', 'Regulator6', 'using model:', 'model']



time elapsed for this fit
--- 104.56512427330017 seconds ---



Across all four plots:

RSS (converged)=2.74

RSS (initial)=3.404

RSS (% reduction)=0.554

	epsilon	Initial_guesses	Converged
A_s	-229.541196	650.714912	421.173716
B_s	-1327.761687	16259.979950	14932.218263
C_s	-165.195678	1296.448889	1131.253211
N_s	0.094005	1.154067	1.248072
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	-143.235545	143.802212	0.566667
B_h	28884.246892	50238.271408	79122.518300
C_h	0.002066	0.000929	0.002995
A_o	73.563587	1.673894	75.237481
B_o	-0.826978	0.895342	0.068364
C_o	-0.626881	2.657699	2.030817
N_o	-0.306580	1.379953	1.073372
F_o	29.153868	2.361284	31.515151

message: Optimization terminated successfully.
success: True
status: 0
fun: 2.7400541870032584
x: [4.212e+02 1.493e+04 ... 1.073e+00 3.152e+01]
nit: 37419
nfev: 48551
final_simplex: (array([[4.212e+02, 1.493e+04, ..., 1.073e+00, 3.152e+01],
[4.212e+02, 1.493e+04, ..., 1.073e+00, 3.152e+01],
...,
[4.212e+02, 1.493e+04, ..., 1.073e+00, 3.152e+01],
[4.212e+02, 1.493e+04, ..., 1.073e+00, 3.152e+01]]), array([2.740e+00, 2.740e+00, ..., 2.740e+00, 2.740e+00]))