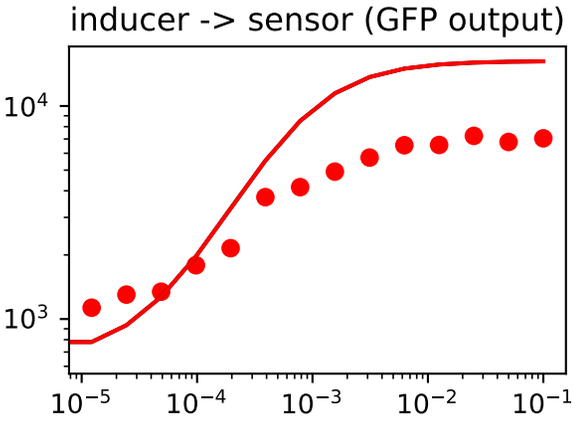
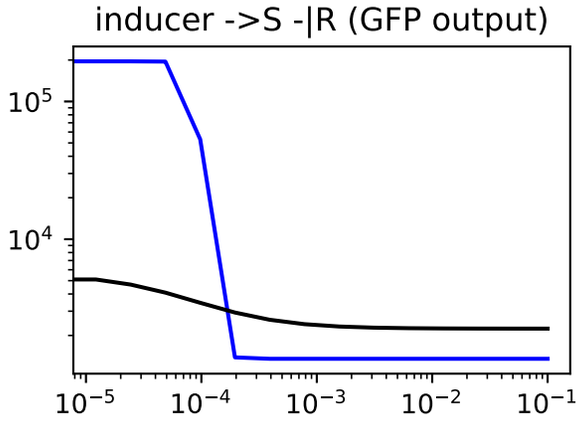
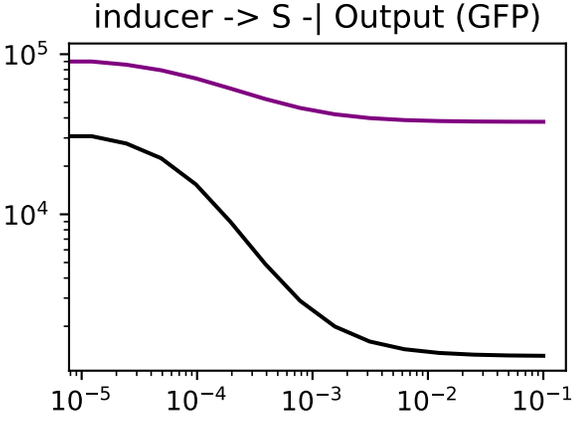
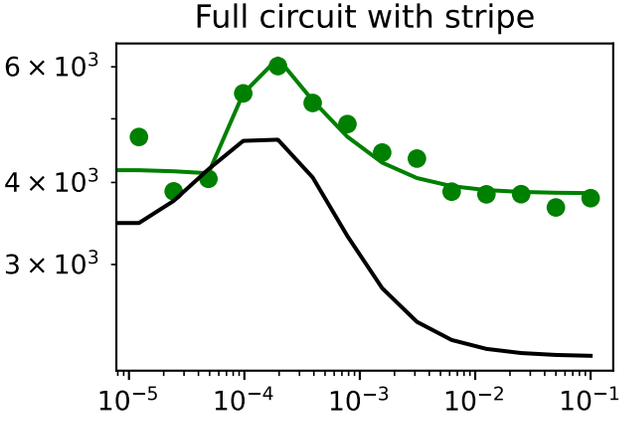
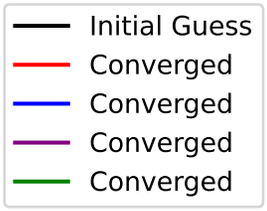
['SM data type data plots for mutation', 'Sensor6', 'using model:', 'model']











time elapsed for this fit
--- 38.25314736366272 seconds ---

Across all four plots:

RSS (converged)=1.193

RSS (initial)=1.653

RSS (% reduction)=0.581

	epsilon	Initial_guesses	Converged
A_s	0.000000	650.714912	6.507149e+02
B_s	0.000000	16259.979950	1.625998e+04
C_s	0.000000	1296.448889	1.296449e+03
N_s	0.000000	1.154067	1.154067e+00
A_r	-666.368490	2020.019216	1.353651e+03
B_r	170558.126363	23688.809187	1.942469e+05
C_r	-0.009813	0.010358	5.442702e-04
N_r	13.888479	0.910072	1.479855e+01
A_h	-143.802212	143.802212	1.527035e-12
B_h	249694.499786	50238.271408	2.999328e+05
C_h	0.012607	0.000929	1.353590e-02
A_o	228.575878	1.673894	2.302498e+02
B_o	-0.629260	0.895342	2.660818e-01
C_o	-2.597338	2.657699	6.036027e-02
N_o	-1.020897	1.379953	3.590556e-01
F_o	-1.977932	2.361284	3.833520e-01

message: Optimization terminated successfully.
success: True
status: 0
fun: 1.1930041459115155
x: [6.507e+02 1.626e+04 ... 3.591e-01 3.834e-01]
nit: 14862
nfev: 19788
final_simplex: (array([[6.507e+02, 1.626e+04, ..., 3.591e-01,
3.834e-01],
[6.507e+02, 1.626e+04, ..., 3.591e-01,
3.834e-01],
...,
[6.507e+02, 1.626e+04, ..., 3.591e-01,
3.834e-01],
[6.507e+02, 1.626e+04, ..., 3.591e-01,
3.834e-01]]), array([1.193e+00, 1.193e+00, ..., 1.193e+00, 1.193e+00]))