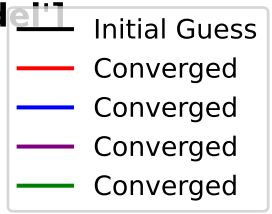
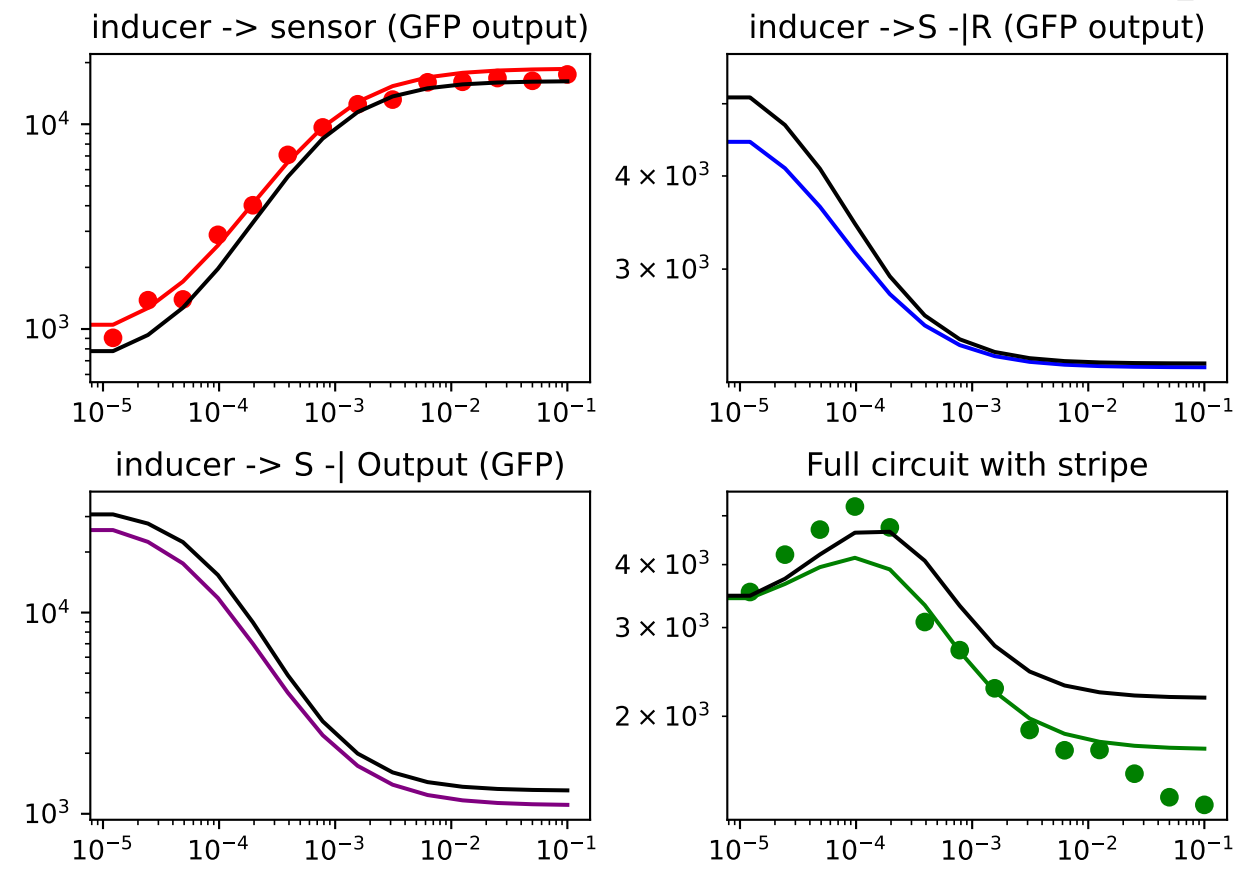


['SM data type data plots for mutation', 'Sensor2', 'using model:', 'model_hill.model']



time elapsed for this fit
--- 2.211468458175659 seconds ---

Across all four plots:

RSS (converged)=0.085

RSS (initial)=0.295

RSS (% reduction)=0.776

	epsilon	Initial_guesses	Converged
A_s	195.737635	650.714912	846.452547
B_s	2467.965901	16259.979950	18727.945851
C_s	-44.726839	1296.448889	1251.722050
N_s	-0.085685	1.154067	1.068382
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	0.000000	143.802212	143.802212
B_h	0.000000	50238.271408	50238.271408
C_h	0.000000	0.000929	0.000929
A_o	0.000000	1.673894	1.673894
B_o	0.000000	0.895342	0.895342
C_o	0.000000	2.657699	2.657699
N_o	0.000000	1.379953	1.379953
F_o	-0.295405	2.361284	2.065879

message: Optimization terminated successfully.
success: True
status: 0
fun: 0.0850879602838029
x: [8.465e+02 1.873e+04 ... 1.380e+00 2.066e+00]
nit: 650
nfev: 1084
final_simplex: (array([[8.465e+02, 1.873e+04, ..., 1.380e+00, 2.066e+00],
[8.465e+02, 1.873e+04, ..., 1.380e+00, 2.066e+00],
...,
[8.465e+02, 1.873e+04, ..., 1.380e+00, 2.066e+00],
[8.465e+02, 1.873e+04, ..., 1.380e+00, 2.066e+00]]), array([8.509e-02, 8.509e-02, ..., 8.509e-02, 8.509e-02]))