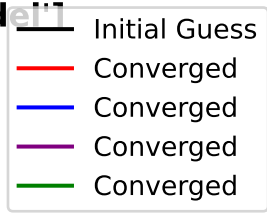
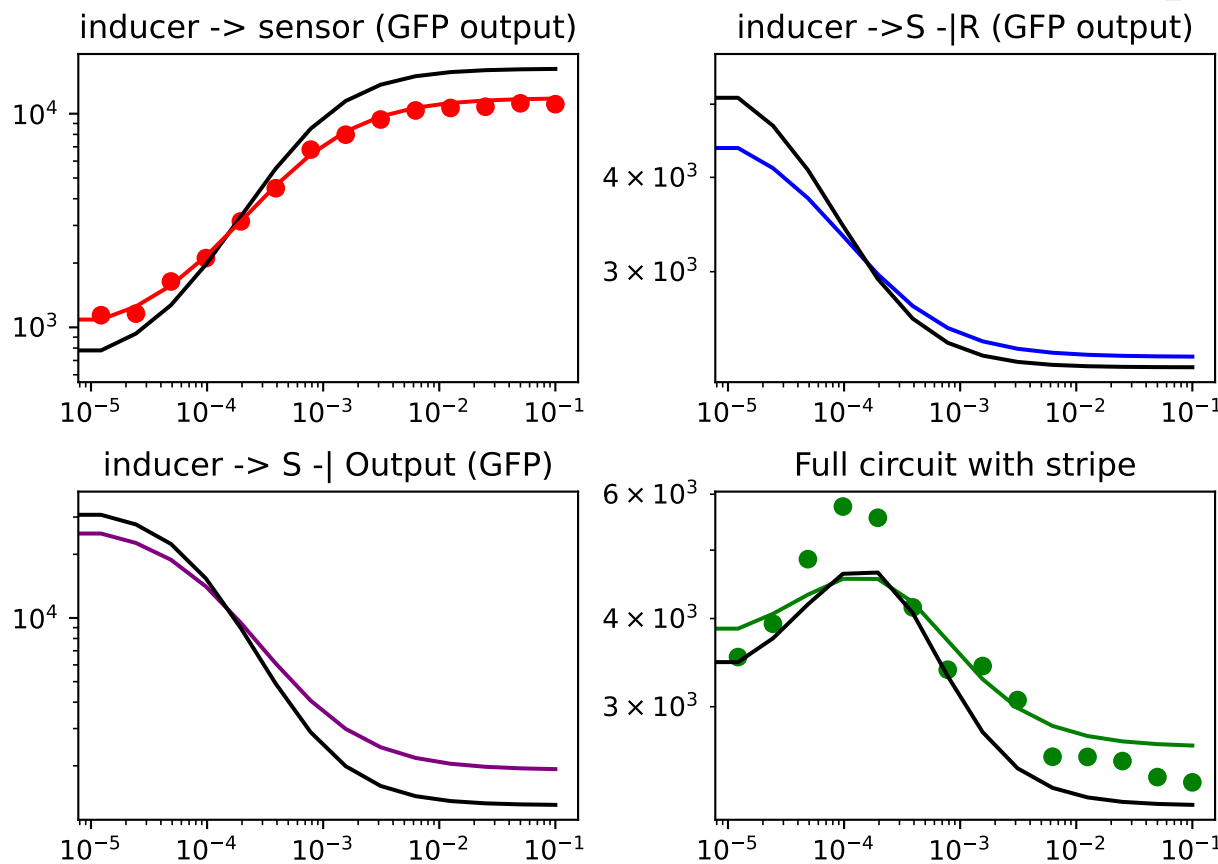


['SM data type data plots for mutation', 'Sensor1', 'using model:', 'model_hill.model']



time elapsed for this fit
--- 2.1864137649536133 seconds ---

Across all four plots:

RSS (converged)=0.04
RSS (initial)=0.332
RSS (% reduction)=0.893

	epsilon	Initial_guesses	Converged
A_s	266.318365	650.714912	917.033277
B_s	-4405.156074	16259.979950	11854.823876
C_s	11.153743	1296.448889	1307.602632
N_s	-0.152645	1.154067	1.001422
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	-0.061924	2.361284	2.299360

message: Optimization terminated successfully.
success: True
status: 0
fun: 0.039943777162104864
x: [9.170e+02 1.185e+04 ... 1.380e+00 2.299e+00]
nit: 705
nfev: 1132
final_simplex: (array([[9.170e+02, 1.185e+04, ..., 1.380e+00, 2.299e+00],
[9.170e+02, 1.185e+04, ..., 1.380e+00, 2.299e+00],
...,
[9.170e+02, 1.185e+04, ..., 1.380e+00, 2.299e+00],
[9.170e+02, 1.185e+04, ..., 1.380e+00, 2.299e+00]]), array([3.994e-02, 3.994e-02, ..., 3.994e-02, 3.994e-02]))