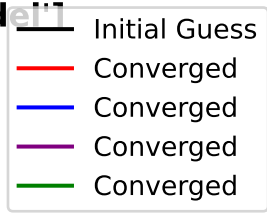
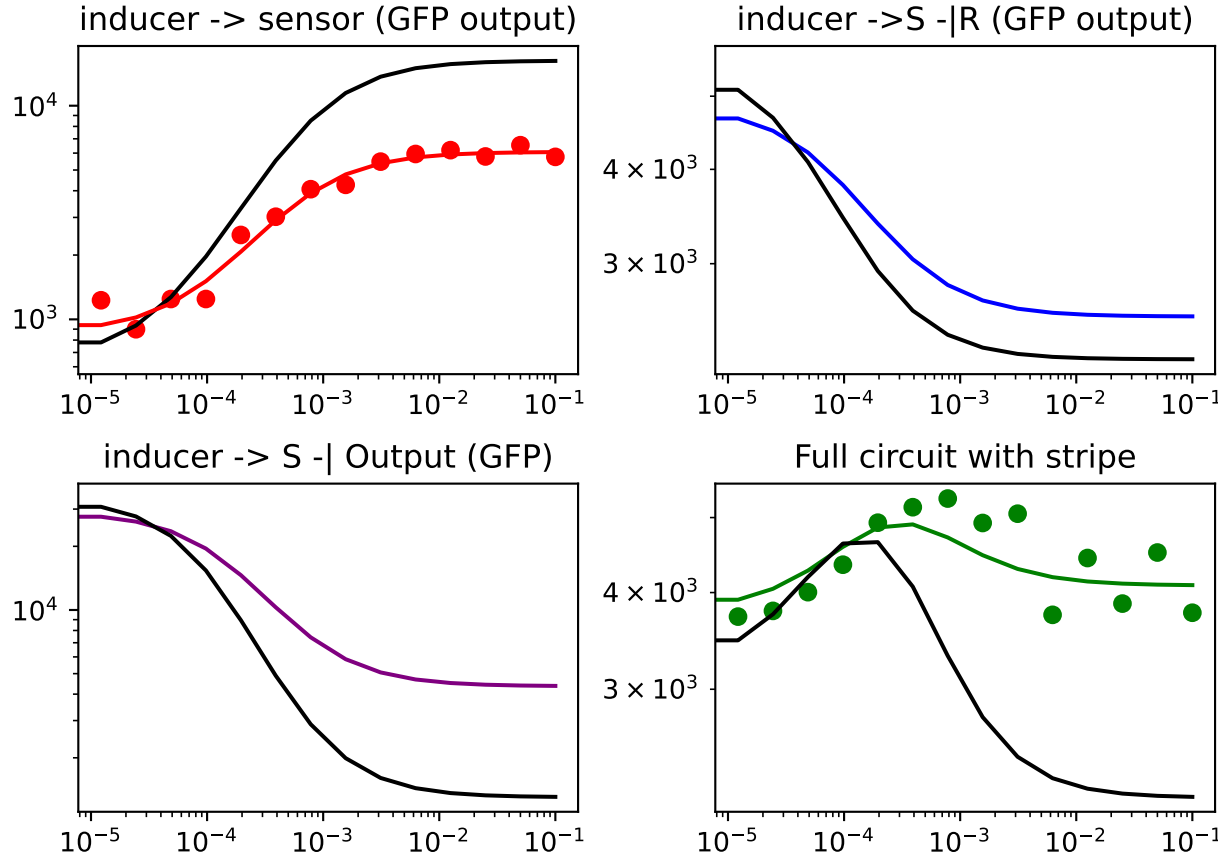


['SM data type data plots for mutation', 'Sensor7', 'using model:', 'model_hill.model']



time elapsed for this fit
--- 2.691380500793457 seconds ---

Across all four plots:
RSS (converged)=0.058
RSS (initial)=2.062
RSS (% reduction)=0.973

	epsilon	Initial_guesses	Converged
A_s	216.174552	650.714912	866.889464
B_s	-10175.928911	16259.979950	6084.051038
C_s	423.224612	1296.448889	1719.673501
N_s	-0.052814	1.154067	1.101254
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	0.099575	2.361284	2.460859

message: Optimization terminated successfully.
success: True
status: 0
fun: 0.05800566072455375
x: [8.669e+02 6.084e+03 ... 1.380e+00 2.461e+00]
nit: 862
nfev: 1345
final_simplex: (array([[8.669e+02, 6.084e+03, ..., 1.380e+00, 2.461e+00],
[8.669e+02, 6.084e+03, ..., 1.380e+00, 2.461e+00],
...,
[8.669e+02, 6.084e+03, ..., 1.380e+00, 2.461e+00],
[8.669e+02, 6.084e+03, ..., 1.380e+00, 2.461e+00]]), array([5.801e-02, 5.801e-02, ..., 5.801e-02, 5.801e-02]))