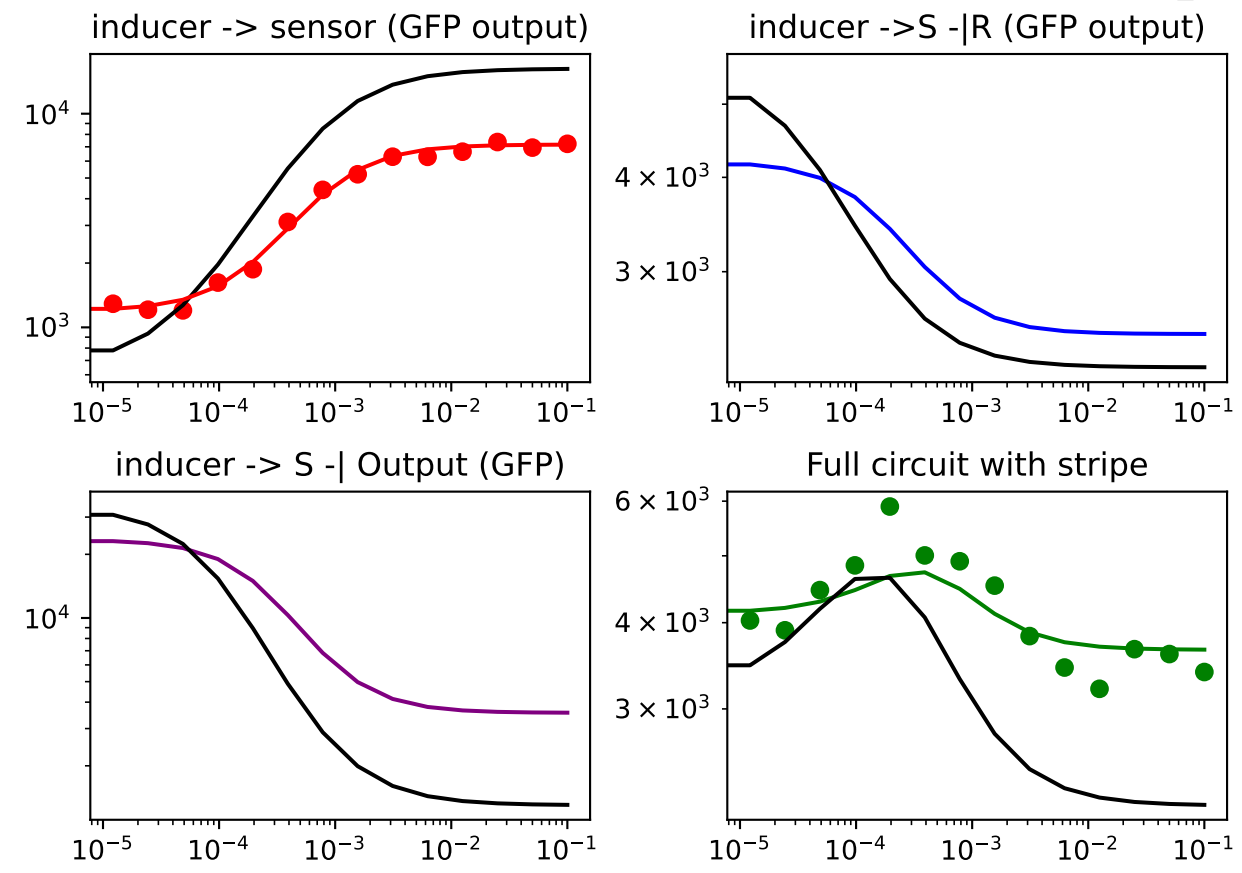


['SM data type data plots for mutation', 'Sensor8', 'using model:', 'model_hill.model']



Initial Guess
Converged
Converged
Converged
Converged

time elapsed for this fit
--- 2.5973265171051025 seconds ---

Across all four plots:
RSS (converged)=0.039
RSS (initial)=1.584
RSS (% reduction)=0.976

	epsilon	Initial_guesses	Converged
A_s	545.308759	650.714912	1196.023671
B_s	-9085.247939	16259.979950	7174.732011
C_s	-19.298046	1296.448889	1277.150843
N_s	0.163868	1.154067	1.317935
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	0.015123	2.361284	2.376407

message: Optimization terminated successfully.
success: True
status: 0
fun: 0.039341546953022624
x: [1.196e+03 7.175e+03 ... 1.380e+00 2.376e+00]
nit: 826
nfev: 1301
final_simplex: (array([[1.196e+03, 7.175e+03, ..., 1.380e+00, 2.376e+00],
[1.196e+03, 7.175e+03, ..., 1.380e+00, 2.376e+00],
...,
[1.196e+03, 7.175e+03, ..., 1.380e+00, 2.376e+00],
[1.196e+03, 7.175e+03, ..., 1.380e+00, 2.376e+00]]), array([3.934e-02, 3.934e-02, ..., 3.934e-02, 3.934e-02]))