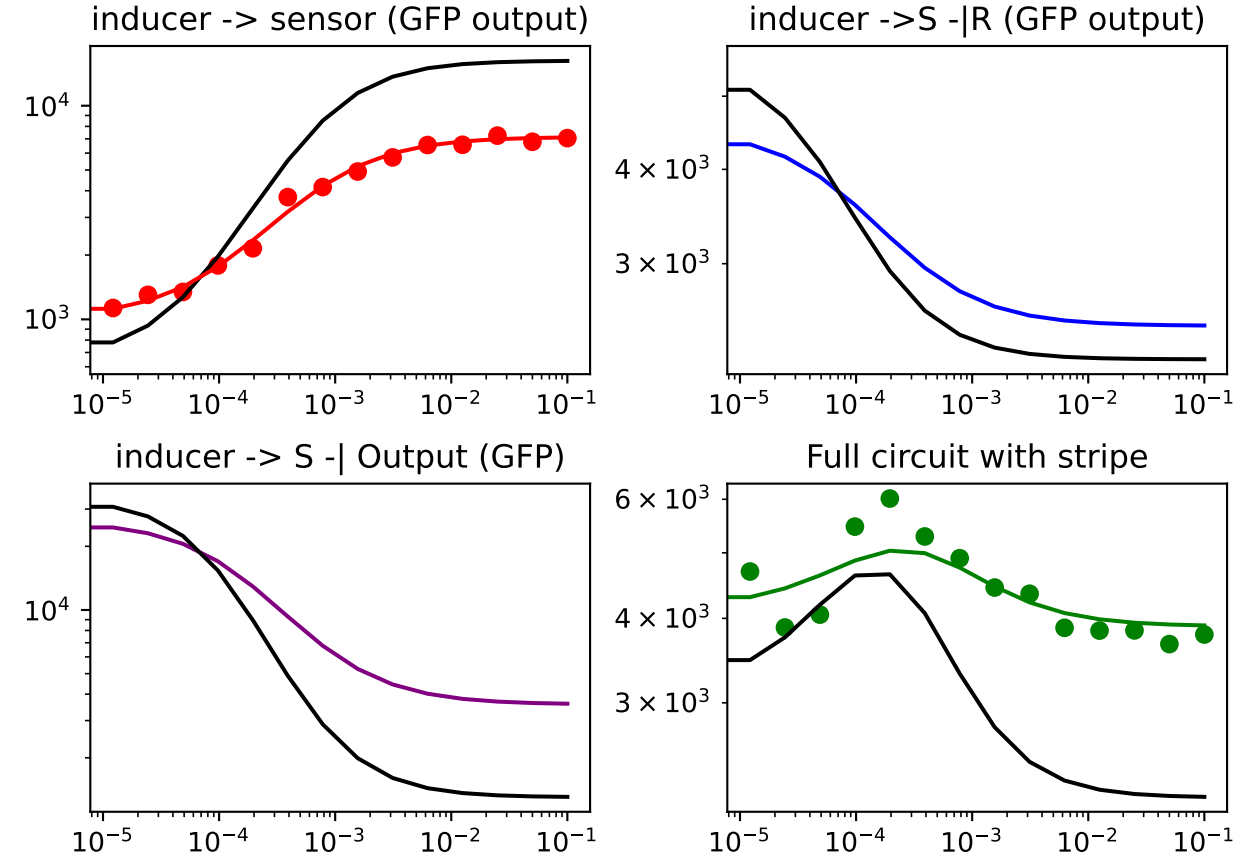


['SM data type data plots for mutation', 'Sensor6', 'using model:', 'model_hill.model']



Initial Guess
Converged
Converged
Converged
Converged

time elapsed for this fit
--- 2.741396427154541 seconds ---

Across all four plots:
RSS (converged)=0.029
RSS (initial)=1.653
RSS (% reduction)=0.983

	epsilon	Initial_guesses	Converged
A_s	361.188174	650.714912	1011.903086
B_s	-9109.172258	16259.979950	7150.807692
C_s	100.702884	1296.448889	1397.151773
N_s	-0.167294	1.154067	0.986773
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	0.166145	2.361284	2.527429

message: Optimization terminated successfully.
success: True
status: 0
fun: 0.028820987967442948
x: [1.012e+03 7.151e+03 ... 1.380e+00 2.527e+00]
nit: 888
nfev: 1359
final_simplex: (array([[1.012e+03, 7.151e+03, ..., 1.380e+00, 2.527e+00],
[1.012e+03, 7.151e+03, ..., 1.380e+00, 2.527e+00],
...,
[1.012e+03, 7.151e+03, ..., 1.380e+00, 2.527e+00],
[1.012e+03, 7.151e+03, ..., 1.380e+00, 2.527e+00]]), array([2.882e-02, 2.882e-02, ..., 2.882e-02, 2.882e-02]))