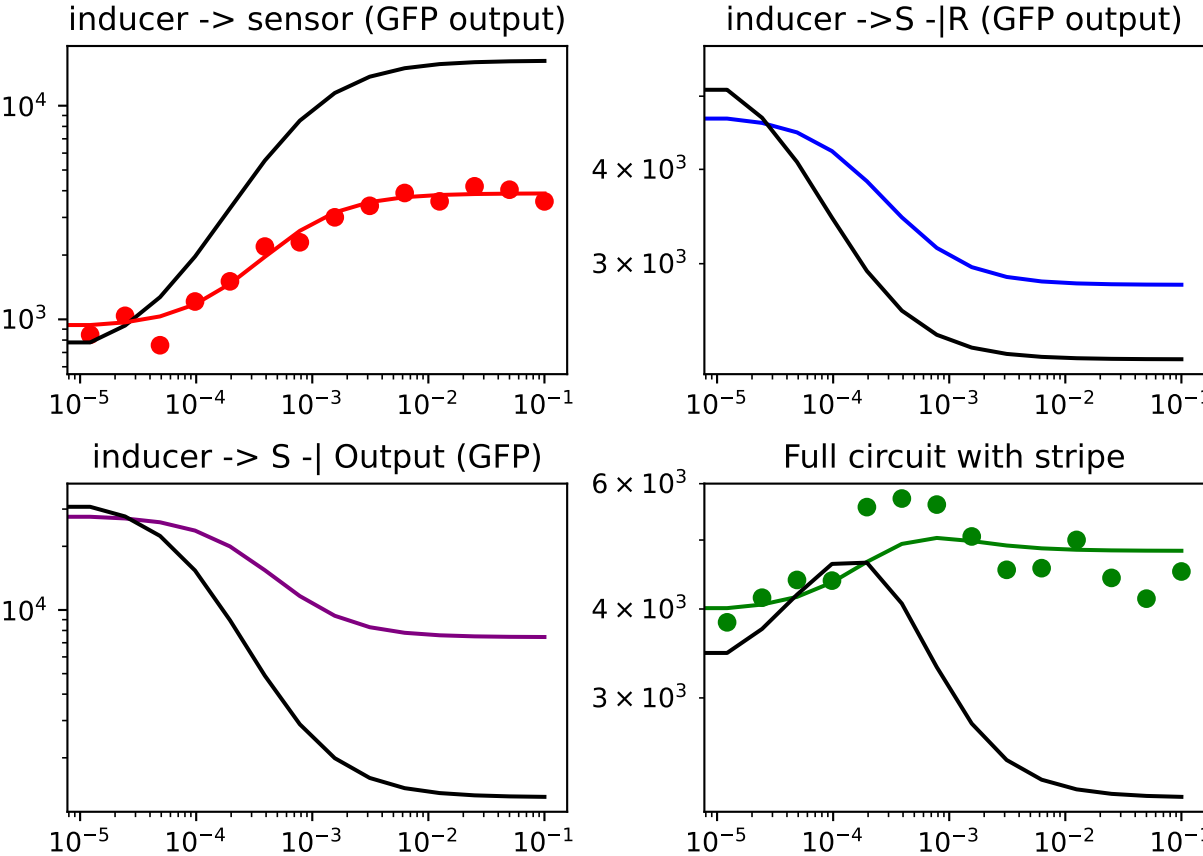


['SM data type data plots for mutation', 'Sensor10', 'using model:', 'model_hill.model']



Initial Guess
Converged
Converged
Converged
Converged

time elapsed for this fit
--- 2.775315761566162 seconds ---

Across all four plots:

RSS (converged)=0.066
RSS (initial)=4.065
RSS (% reduction)=0.984

	epsilon	Initial_guesses	Converged
A_s	270.014670	650.714912	920.729581
B_s	-12371.527201	16259.979950	3888.452749
C_s	276.812907	1296.448889	1573.261796
N_s	0.109178	1.154067	1.263245
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	0.158821	2.361284	2.520104

message: Optimization terminated successfully.
success: True
status: 0
fun: 0.06590621462933711
x: [9.207e+02 3.888e+03 ... 1.380e+00 2.520e+00]
nit: 898
nfev: 1398
final_simplex: (array([[9.207e+02, 3.888e+03, ..., 1.380e+00, 2.520e+00],
[9.207e+02, 3.888e+03, ..., 1.380e+00, 2.520e+00],
...,
[9.207e+02, 3.888e+03, ..., 1.380e+00, 2.520e+00],
[9.207e+02, 3.888e+03, ..., 1.380e+00, 2.520e+00]]), array([6.591e-02, 6.591e-02, ..., 6.591e-02, 6.591e-02]))