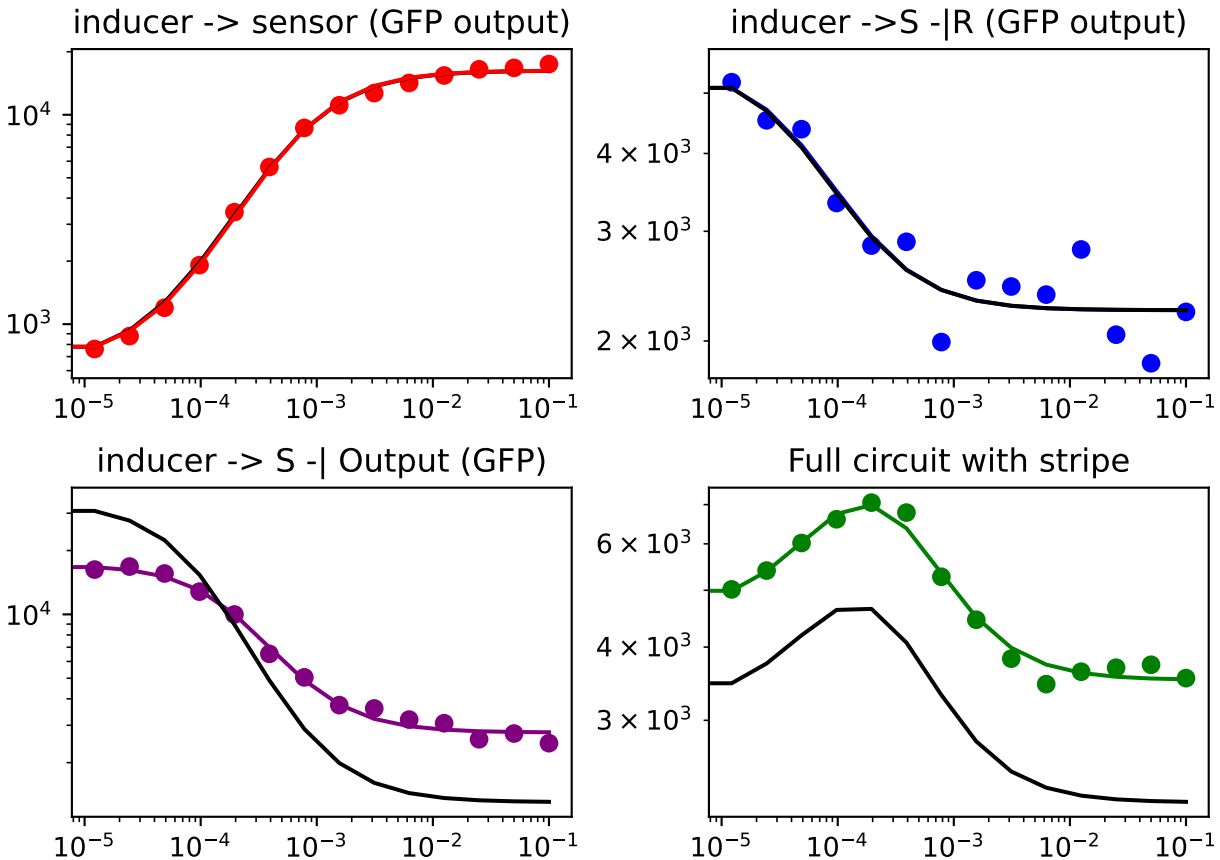
['SM data type data plots for mutation', 'Output8', 'using model:', 'model']



time elapsed for this fit
--- 256.55765414237976 seconds ---

Across all four plots:

RSS (converged)=0.051

RSS (initial)=1.614

RSS (% reduction)=0.969

	epsilon	Initial_guesses	Converged
A_s	12.047228	650.714912	662.762140
B_s	11.874714	16259.979950	16271.854664
C_s	-4.988879	1296.448889	1291.460010
N_s	0.021928	1.154067	1.175995
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	497.204740	143.802212	641.006952
B_h	-31564.632057	50238.271408	18673.639352
C_h	-0.000622	0.000929	0.000307
A_o	-1.310199	1.673894	0.363695
B_o	49.537175	0.895342	50.432517
C_o	0.609542	2.657699	3.267241
N_o	-0.105937	1.379953	1.274016
F_o	-2.311226	2.361284	0.050058

message: Optimization terminated successfully.
success: True
status: 0
fun: 0.051024200770099316
x: [6.628e+02 1.627e+04 ... 1.274e+00 5.006e-02]
nit: 91561
nfev: 118368
final_simplex: (array([[6.628e+02, 1.627e+04, ..., 1.274e+00,
5.006e-02],
[6.628e+02, 1.627e+04, ..., 1.274e+00,
5.006e-02],
...,
[6.628e+02, 1.627e+04, ..., 1.274e+00,
5.006e-02],
[6.628e+02, 1.627e+04, ..., 1.274e+00,
5.006e-02]]), array([5.102e-02, 5.102e-02, ..., 5.102e-02, 5.102e-02]))