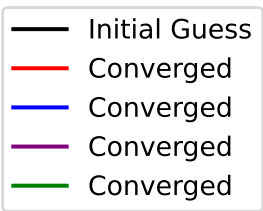
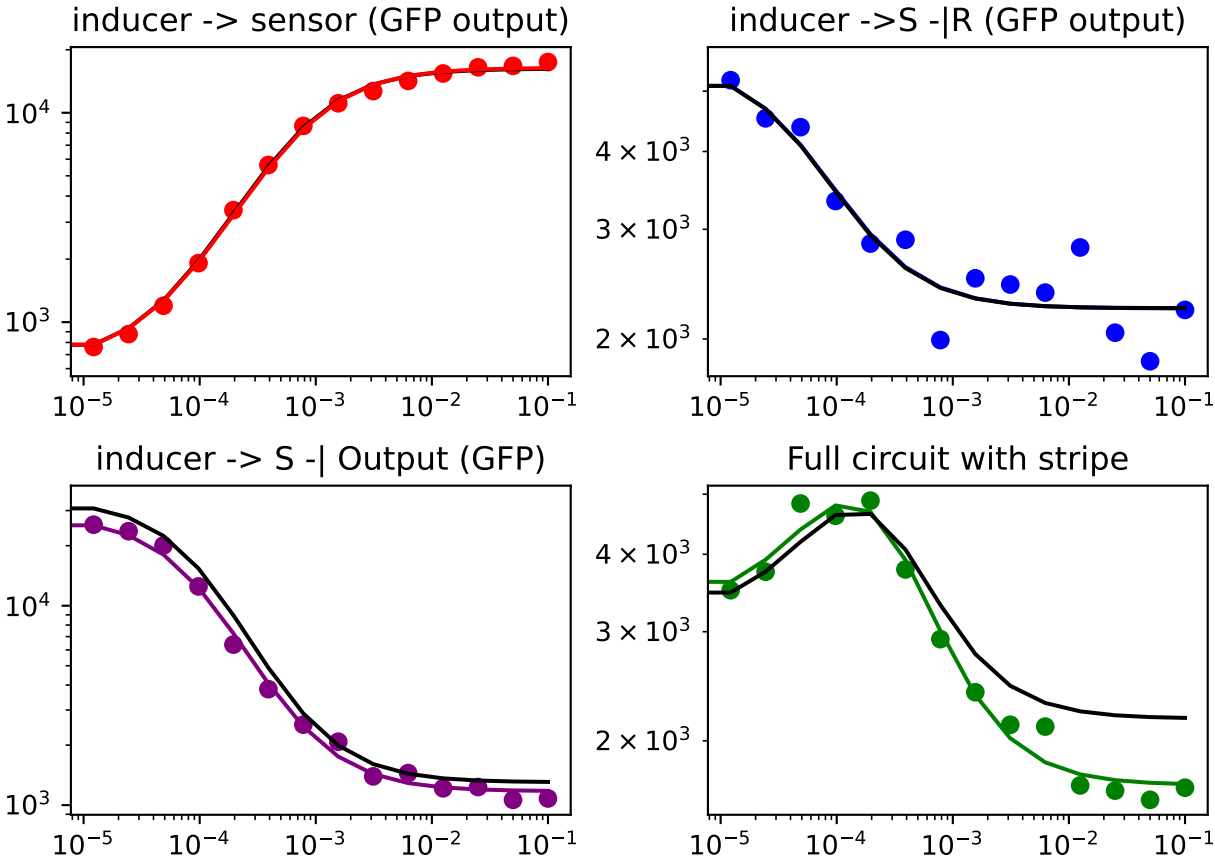


['SM data type data plots for mutation', 'Output4', 'using model:', 'model']



time elapsed for this fit
--- 272.03189158439636 seconds ---

Across all four plots:

RSS (converged)=0.067

RSS (initial)=0.21

RSS (% reduction)=0.759

	epsilon	Initial_guesses	Converged
A_s	0.488597	650.714912	651.203509
B_s	142.213858	16259.979950	16402.193808
C_s	-54.767286	1296.448889	1241.681603
N_s	-0.009530	1.154067	1.144537
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	70.276132	143.802212	214.078345
B_h	-3836.892982	50238.271408	46401.378426
C_h	0.000204	0.000929	0.001133
A_o	-1.298954	1.673894	0.374941
B_o	49.174558	0.895342	50.069900
C_o	-0.489165	2.657699	2.168533
N_o	-0.060107	1.379953	1.319845
F_o	-2.312007	2.361284	0.049277

message: Maximum number of iterations has been exceeded.
success: False
status: 2
fun: 0.06684273668587516
x: [6.512e+02 1.640e+04 ... 1.320e+00 4.928e-02]
nit: 100000
nfev: 129202
final_simplex: (array([[6.512e+02, 1.640e+04, ..., 1.320e+00,
4.928e-02],
[6.512e+02, 1.640e+04, ..., 1.320e+00,
4.928e-02],
...,
[6.512e+02, 1.640e+04, ..., 1.320e+00,
4.940e-02],
[6.512e+02, 1.640e+04, ..., 1.320e+00,
4.934e-02]]), array([6.684e-02, 6.684e-02, ..., 6.684e-02, 6.684e-02]))