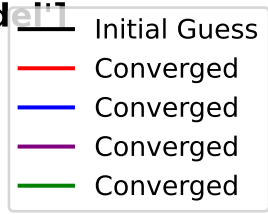
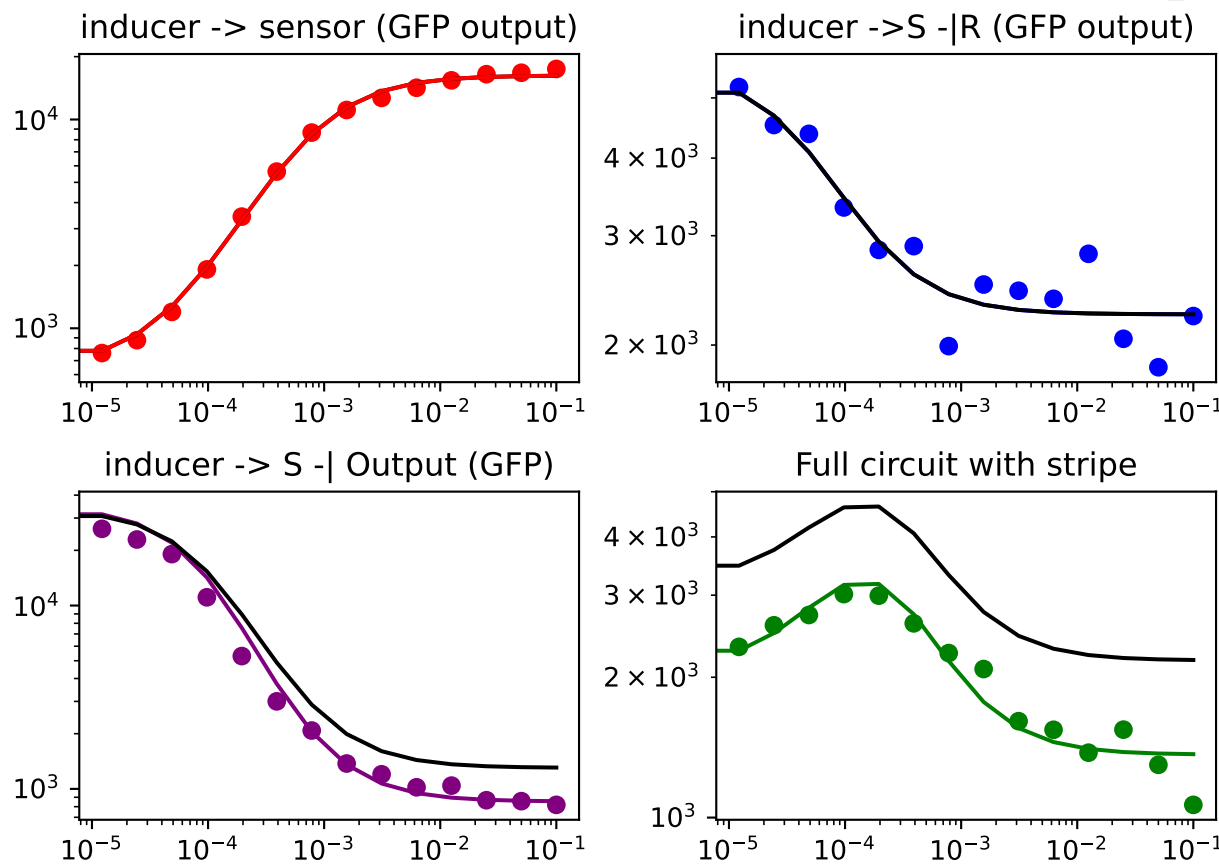


['SM data type data plots for mutation', 'Output3', 'using model:', 'model\_hill.mod



time elapsed for this fit  
--- 1.7979230880737305 seconds ---

Across all four plots:  
RSS (converged)=0.143  
RSS (initial)=0.937  
RSS (% reduction)=0.867

	epsilon	Initial_guesses	Converged
A_s	0.000000	650.714912	650.714912
B_s	0.000000	16259.979950	16259.979950
C_s	0.000000	1296.448889	1296.448889
N_s	0.000000	1.154067	1.154067
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	-0.192103	1.673894	1.481791
B_o	0.211231	0.895342	1.106573
C_o	0.002002	2.657699	2.659700
N_o	0.183897	1.379953	1.563850
F_o	-0.404800	2.361284	1.956484

message: Optimization terminated successfully.  
success: True  
status: 0  
fun: 0.14318763721646355  
x: [ 6.507e+02 1.626e+04 ... 1.564e+00 1.956e+00]  
nit: 545  
nfev: 823  
final\_simplex: (array([[ 6.507e+02, 1.626e+04, ..., 1.564e+00, 1.956e+00],  
[ 6.507e+02, 1.626e+04, ..., 1.564e+00, 1.957e+00],  
...,  
[ 6.507e+02, 1.626e+04, ..., 1.564e+00, 1.956e+00],  
[ 6.507e+02, 1.626e+04, ..., 1.564e+00, 1.956e+00]]), array([ 1.432e-01, 1.432e-01, ..., 1.432e-01, 1.432e-01]))