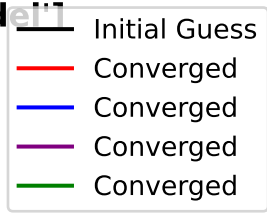
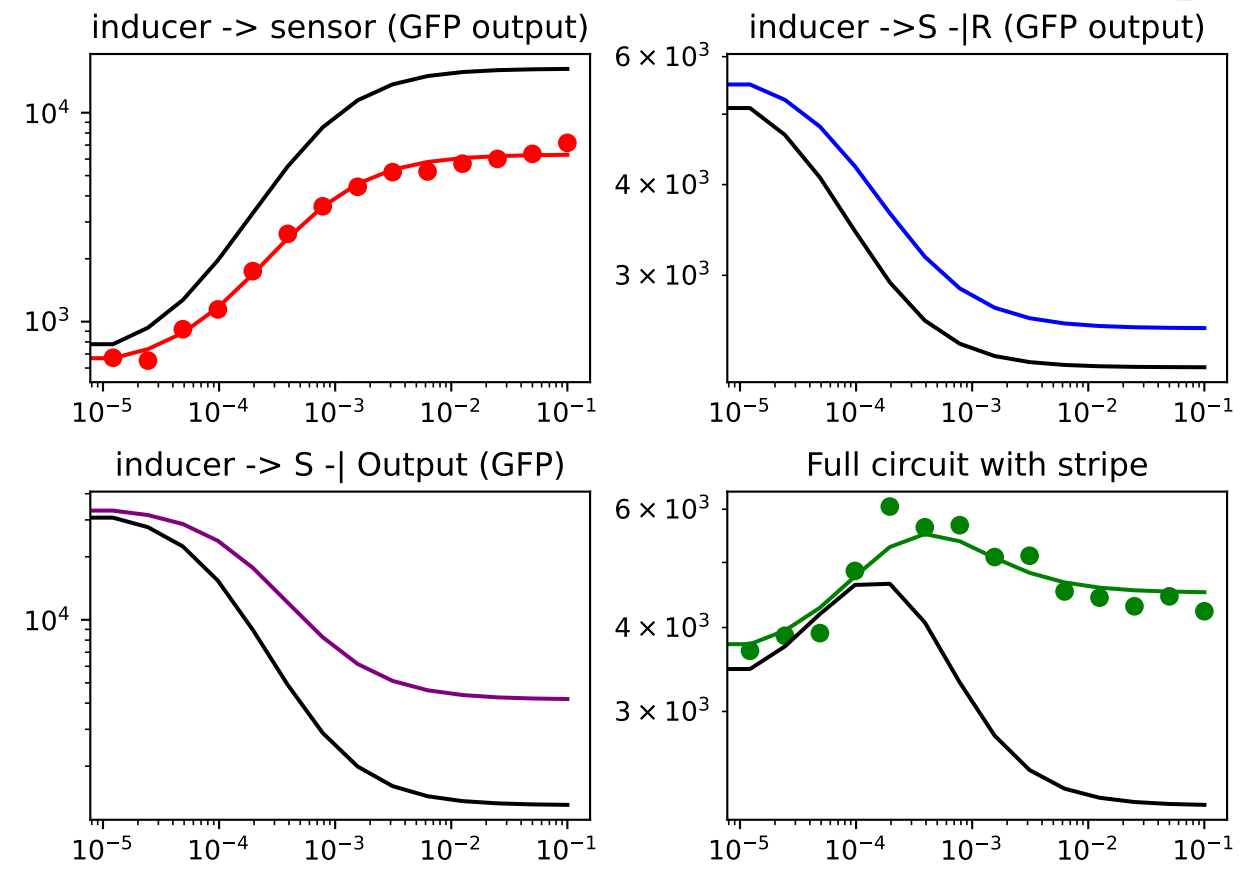


['SM data type data plots for mutation', 'Sensor9', 'using model:', 'model\_hill.model']



time elapsed for this fit  
--- 2.48978853225708 seconds ---

Across all four plots:

RSS (converged)=0.021  
RSS (initial)=2.353  
RSS (% reduction)=0.991

	epsilon	Initial_guesses	Converged
A_s	-45.595872	650.714912	605.119040
B_s	-9944.435731	16259.979950	6315.544218
C_s	60.539180	1296.448889	1356.988069
N_s	-0.059701	1.154067	1.094366
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	0.398717	2.361284	2.760001

message: Optimization terminated successfully.  
success: True  
status: 0  
fun: 0.020578229549676905  
x: [ 6.051e+02 6.316e+03 ... 1.380e+00 2.760e+00]  
nit: 795  
nfev: 1247  
final\_simplex: (array([[ 6.051e+02, 6.316e+03, ..., 1.380e+00, 2.760e+00],  
[ 6.051e+02, 6.316e+03, ..., 1.380e+00, 2.760e+00],  
...,  
[ 6.051e+02, 6.316e+03, ..., 1.380e+00, 2.760e+00],  
[ 6.051e+02, 6.316e+03, ..., 1.380e+00, 2.760e+00]]), array([ 2.058e-02, 2.058e-02, ..., 2.058e-02, 2.058e-02]))