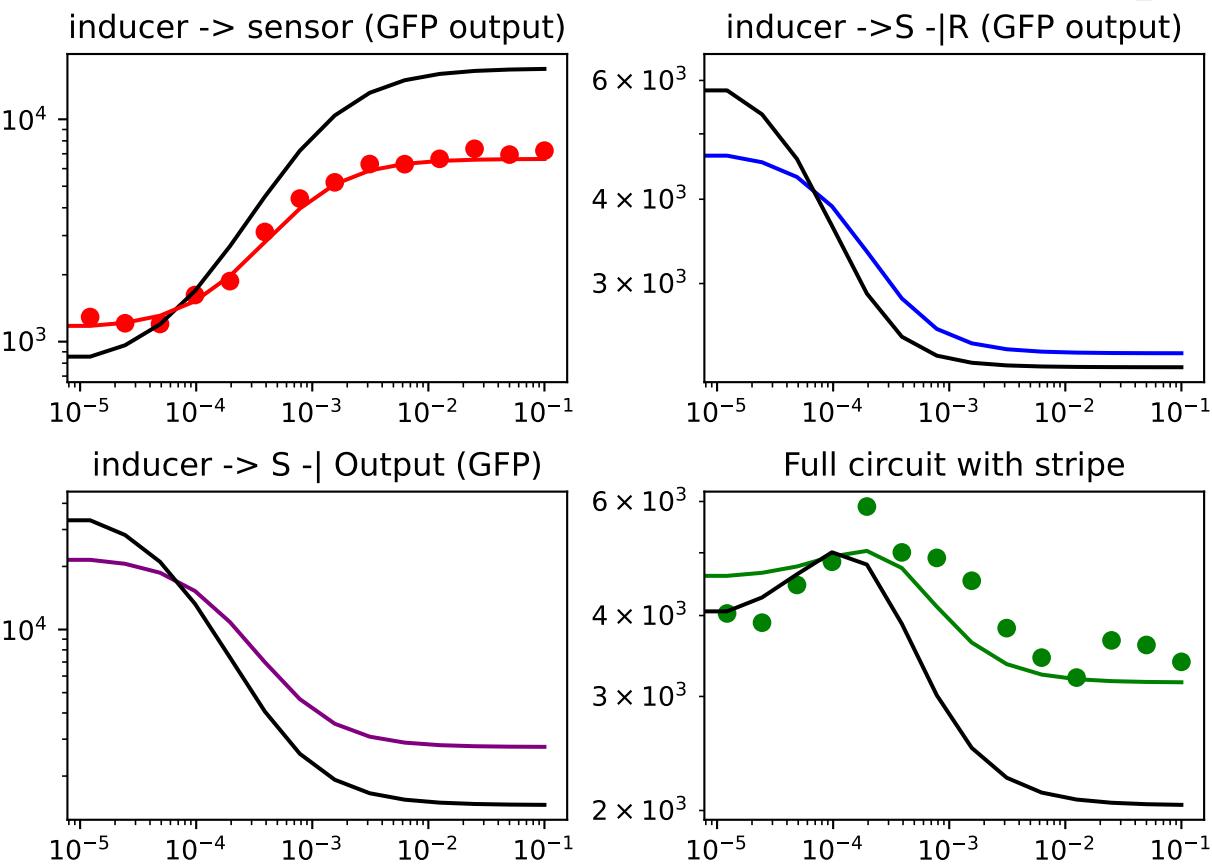


['SM data type data plots for mutation', 'Sensor8', 'using model:', 'model\_hill.mode



Initial Guess  
Converged  
Converged  
Converged  
Converged

time elapsed for this fit  
--- 1.9389078617095947 seconds ---

Across all four plots:

RSS (converged)=0.073

RSS (initial)=1.524

RSS (% reduction)=0.954

	epsilon	Initial_guesses	Converged
A_s	383.154356	7.671584e+02	1.150313e+03
B_s	-10301.730938	1.694202e+04	6.640288e+03
C_s	435.001847	8.969736e+02	1.331975e+03
N_s	0.136864	1.151182e+00	1.288046e+00
A_r	0.000000	2.229804e+03	2.229804e+03
B_r	0.000000	8.961652e+03	8.961652e+03
C_r	0.000000	1.461384e-03	1.461384e-03
N_r	0.000000	1.841235e+00	1.841235e+00
A_o	0.000000	9.859837e+02	9.859837e+02
B_o	0.000000	1.801530e+07	1.801530e+07
C_o	0.000000	1.010522e-01	1.010522e-01
N_o	0.000000	1.417996e+00	1.417996e+00
F_o	0.000000	1.477611e+00	1.477611e+00

message: Optimization terminated successfully.  
success: True  
status: 0  
fun: 0.07324489706829068  
x: [ 1.150e+03 6.640e+03 ... 1.418e+00 1.478e+00]  
nit: 588  
nfev: 960  
final\_simplex: (array([[ 1.150e+03, 6.640e+03, ..., 1.418e+00, 1.478e+00],  
[ 1.150e+03, 6.640e+03, ..., 1.418e+00, 1.478e+00],  
...,  
[ 1.150e+03, 6.640e+03, ..., 1.418e+00, 1.478e+00],  
[ 1.150e+03, 6.640e+03, ..., 1.418e+00, 1.478e+00]]), array([ 7.324e-02, 7.324e-02, ..., 7.324e-02, 7.324e-02]))