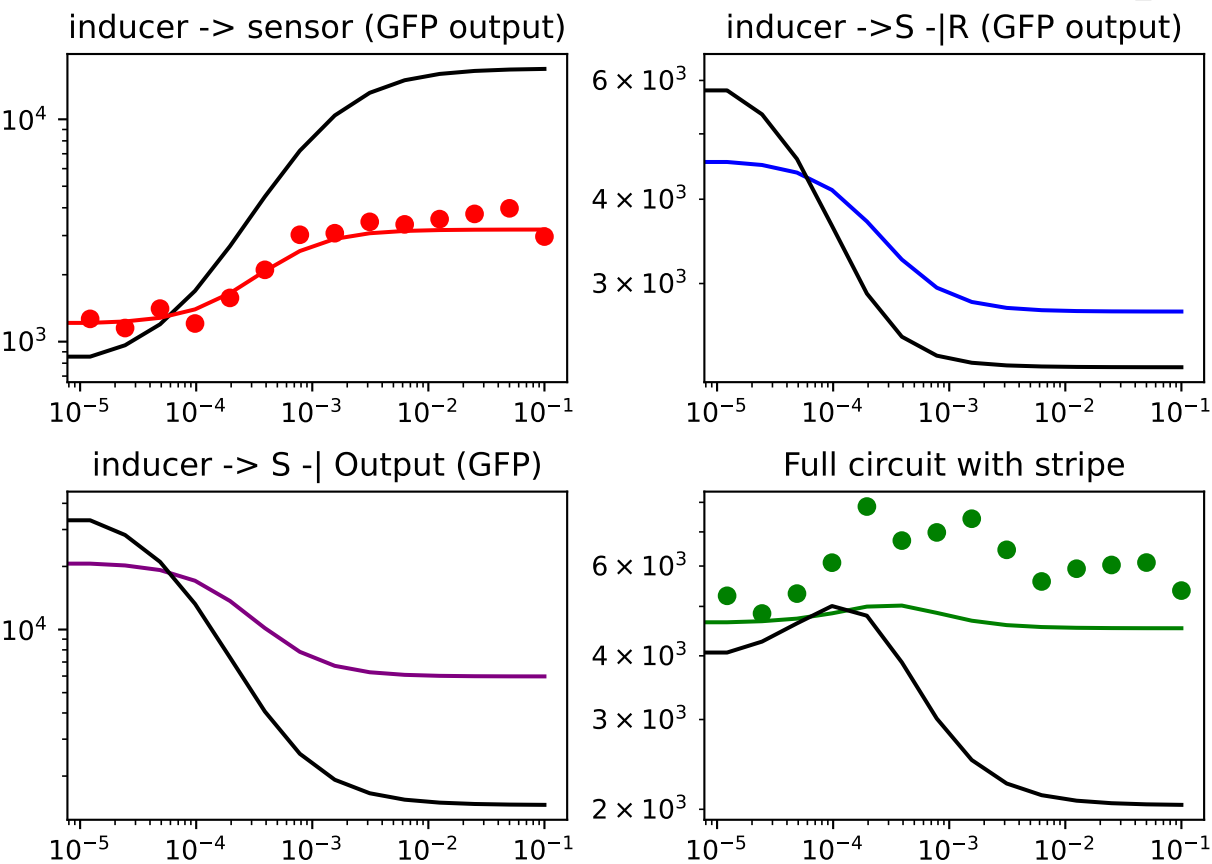


['SM data type data plots for mutation', 'Sensor3', 'using model:', 'model\_hill.mode



Initial Guess  
Converged  
Converged  
Converged  
Converged

time elapsed for this fit  
--- 2.3653995990753174 seconds ---

Across all four plots:

RSS (converged)=0.259

RSS (initial)=4.943

RSS (% reduction)=0.95

	epsilon	Initial_guesses	Converged
A_s	436.434164	7.671584e+02	1.203593e+03
B_s	-13748.335677	1.694202e+04	3.193684e+03
C_s	1264.227984	8.969736e+02	2.161202e+03
N_s	0.282671	1.151182e+00	1.433853e+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: 0.2585560366602706  
x: [ 1.204e+03 3.194e+03 ... 1.418e+00 1.478e+00]  
nit: 797  
nfev: 1245  
final\_simplex: (array([[ 1.204e+03, 3.194e+03, ..., 1.418e+00, 1.478e+00],  
[ 1.204e+03, 3.194e+03, ..., 1.418e+00, 1.478e+00],  
...,  
[ 1.204e+03, 3.194e+03, ..., 1.418e+00, 1.478e+00],  
[ 1.204e+03, 3.194e+03, ..., 1.418e+00, 1.478e+00]]), array([ 2.586e-01, 2.586e-01, ..., 2.586e-01, 2.586e-01]))