['SM data type data plots for mutation', 'Output9', 'using model:', 'model_hill.model'']

inducer -> sensor (GFP output)

inducer ->S -|R (GFP output)

inducer -> S -| Output (GFP)

Full circuit with stripe

Initial Guess
Converged
Converged
Converged
Converged
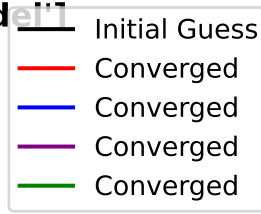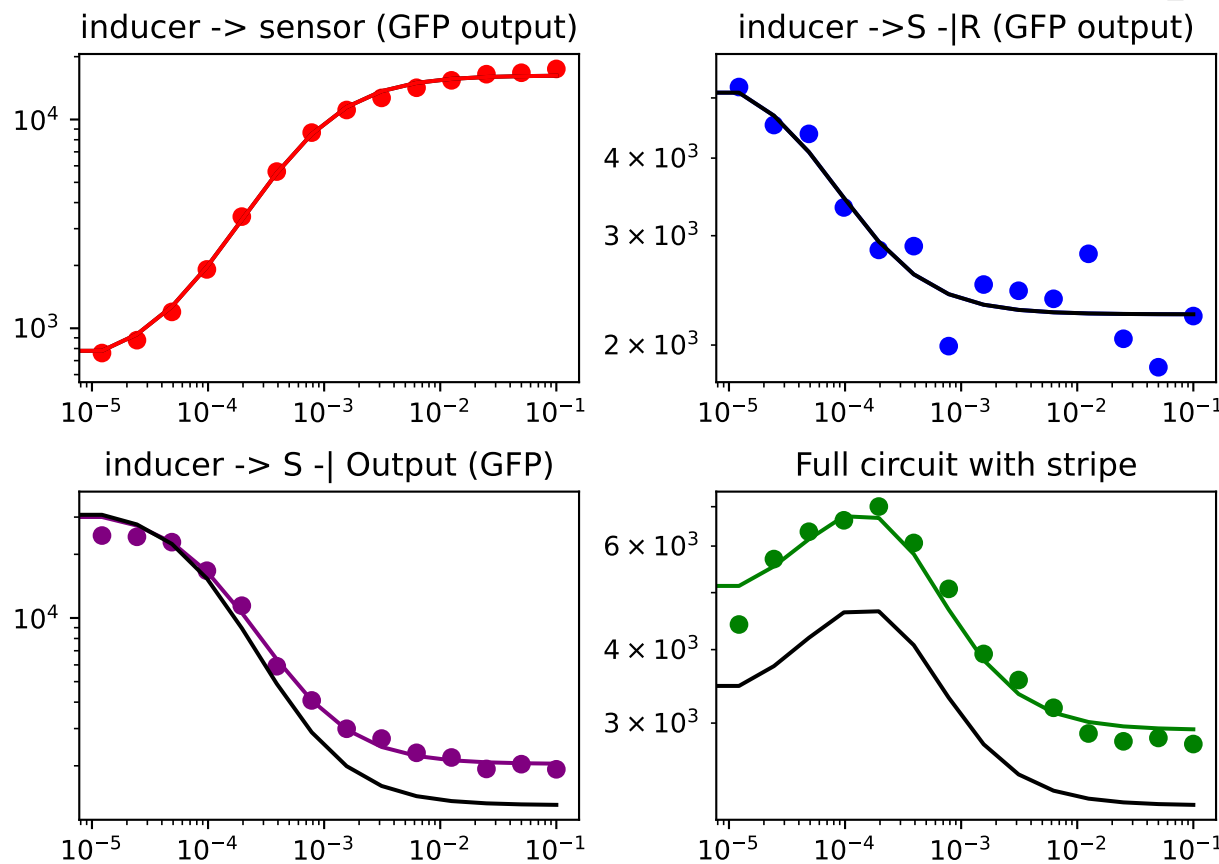
time elapsed for this fit
--- 3.408193826675415 seconds ---

Across all four plots:

RSS (converged)=0.074

RSS (initial)=0.711

RSS (% reduction)=0.906

	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	-1.673894	1.673894	0.000000
B_o	0.382090	0.895342	1.277432
C_o	-0.196620	2.657699	2.461078
N_o	-0.187165	1.379953	1.192788
F_o	-0.672489	2.361284	1.688795

message: Optimization terminated successfully.
success: True
 status: 0
   fun: 0.07374697772697539
    x: [6.507e+02 1.626e+04 ... 1.193e+00 1.689e+00]
   nit: 1136
  nfev: 1583
final_simplex: (array([[6.507e+02, 1.626e+04, ..., 1.193e+00,
          1.689e+00],
       [6.507e+02, 1.626e+04, ..., 1.193e+00,
          1.689e+00],
       ...,
       [6.507e+02, 1.626e+04, ..., 1.193e+00,
          1.689e+00],
       [6.507e+02, 1.626e+04, ..., 1.193e+00,
          1.689e+00]]), array([7.375e-02, 7.375e-02, ..., 7.375e-02, 7.375e-02]))