['SM data type data plots for mutation', 'Sensor3', 'using model:', 'model_hill.model']

inducer -> sensor (GFP output)

inducer ->S -|R (GFP output)
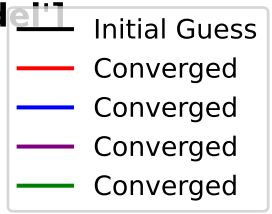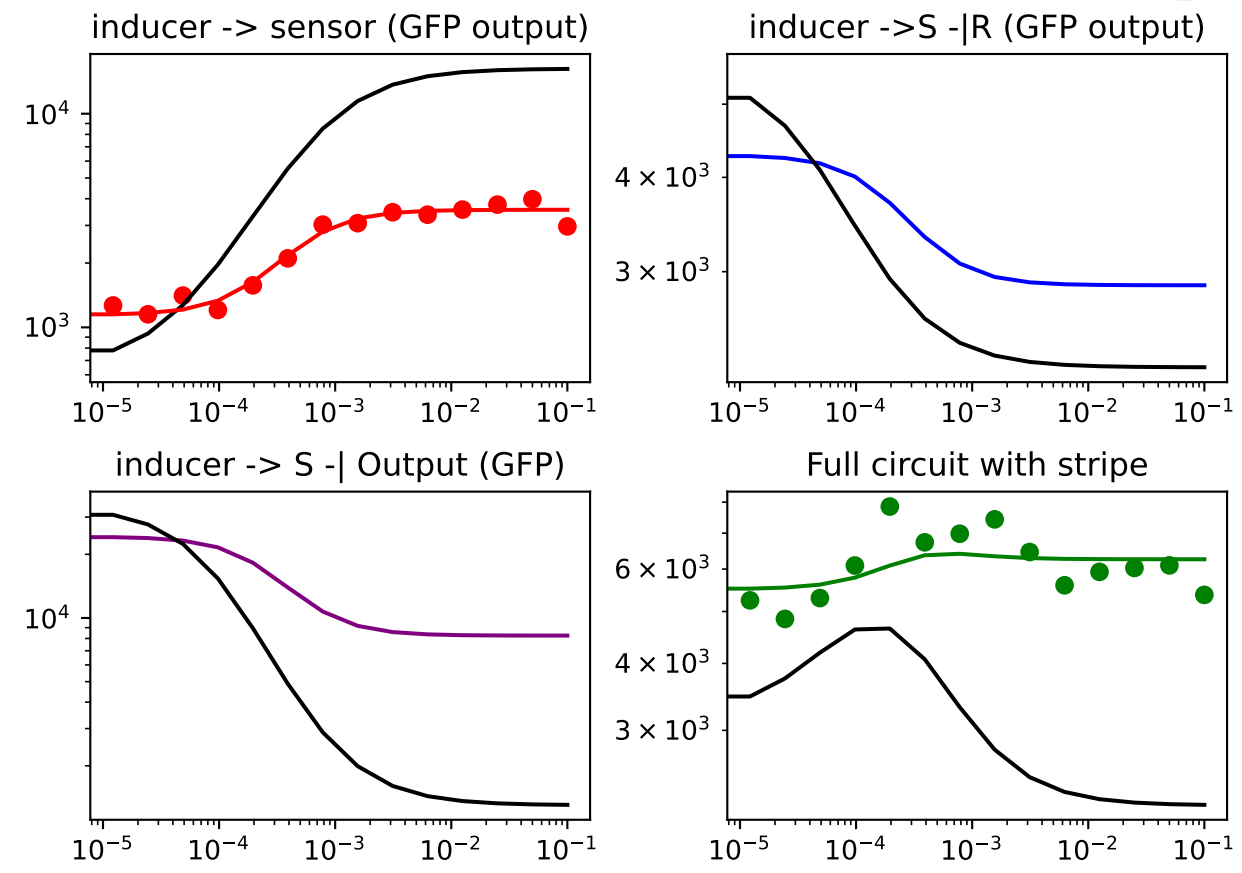
time elapsed for this fit
--- 3.1540346145629883 seconds ---

inducer -> S -| Output (GFP)

Full circuit with stripe

Across all four plots:

RSS (converged)=0.052

RSS (initial)=5.015

RSS (% reduction)=0.99

	epsilon	Initial_guesses	Converged
A_s	492.182474	650.714912	1142.897386
B_s	-12708.227698	16259.979950	3551.752252
C_s	832.659836	1296.448889	2129.108725
N_s	0.409504	1.154067	1.563571
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	0.850921	2.361284	3.212204

message: Optimization terminated successfully.
success: True
 status: 0
   fun: 0.052474883457784845
     x: [1.143e+03 3.552e+03 ... 1.380e+00 3.212e+00]
   nit: 910
  nfev: 1420
final_simplex: (array([[1.143e+03, 3.552e+03, ..., 1.380e+00,
           3.212e+00],
         [1.143e+03, 3.552e+03, ..., 1.380e+00,
           3.212e+00],
         ...,
         [1.143e+03, 3.552e+03, ..., 1.380e+00,
           3.212e+00],
         [1.143e+03, 3.552e+03, ..., 1.380e+00,
           3.212e+00]]), array([5.247e-02, 5.247e-02, ..., 5.247e-02, 5.247e-02]))