['SM data type data plots for mutation', 'Sensor10', 'using model:', 'model']

inducer -> sensor (GFP output)

inducer ->S -|R (GFP output)

inducer -> S -| Output (GFP)

Full circuit with stripe

Legend:
- Initial Guess
- Converged
- Converged
- Converged
- Converged
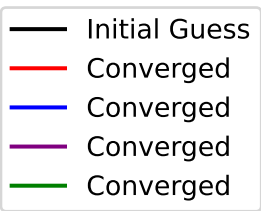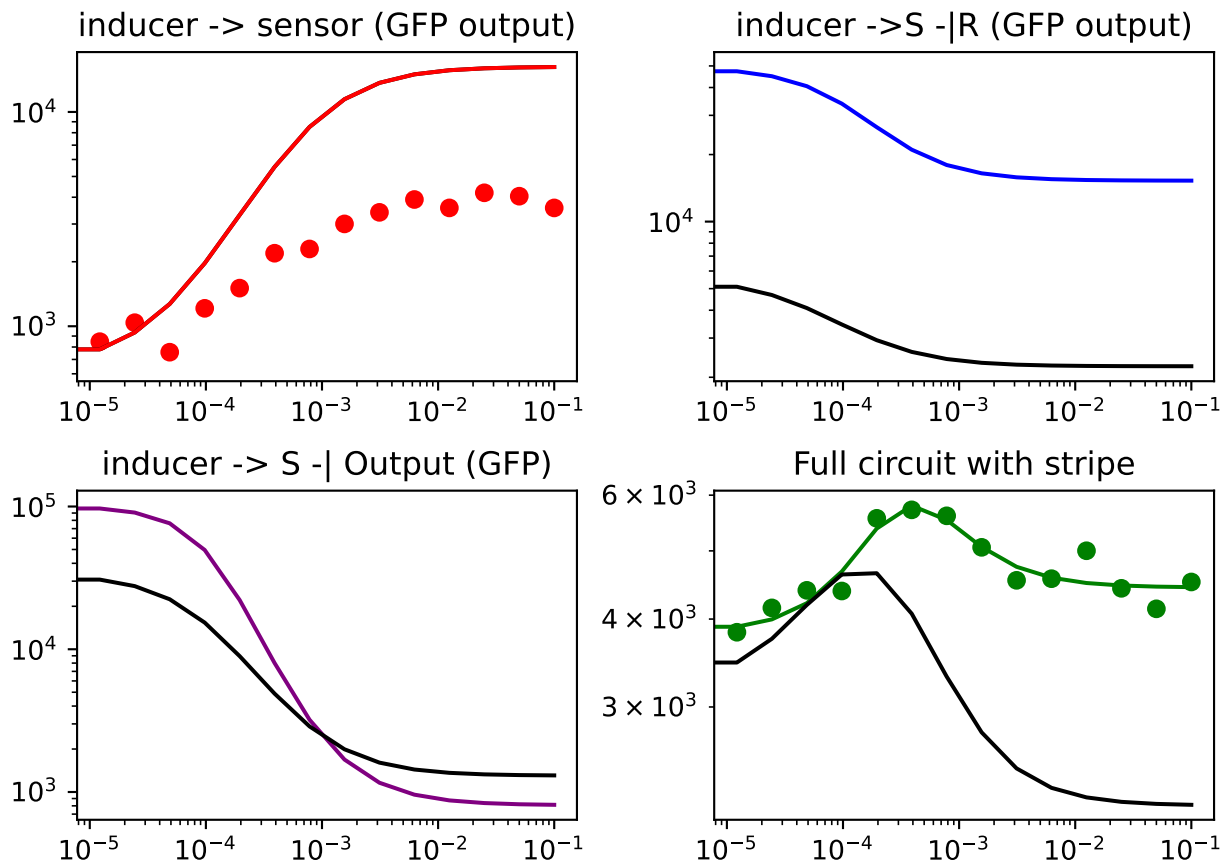
time elapsed for this fit
--- 20.65137505531311 seconds ---

Across all four plots:

RSS (converged)=3.36

RSS (initial)=4.065

RSS (% reduction)=0.547

	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	10968.990235	2020.019216	12989.009451
B_r	23765.234232	23688.809187	47454.043419
C_r	-0.009745	0.010358	0.000612
N_r	0.390467	0.910072	1.300540
A_h	-79.003157	143.802212	64.799056
B_h	61566.562695	50238.271408	111804.834103
C_h	-0.000367	0.000929	0.000562
A_o	9.710878	1.673894	11.384772
B_o	0.527283	0.895342	1.422625
C_o	-1.983670	2.657699	0.674029
N_o	0.882691	1.379953	2.262644
F_o	1.715532	2.361284	4.076815

message: Optimization terminated successfully.
success: True
 status: 0
    fun: 3.360263838475784
      x: [6.507e+02 1.626e+04 ... 2.263e+00 4.077e+00]
    nit: 7852
   nfev: 10584
final_simplex: (array([[6.507e+02, 1.626e+04, ..., 2.263e+00,
           4.077e+00],
         [6.507e+02, 1.626e+04, ..., 2.263e+00,
           4.077e+00],
         ...,
         [6.507e+02, 1.626e+04, ..., 2.263e+00,
           4.077e+00],
         [6.507e+02, 1.626e+04, ..., 2.263e+00,
           4.077e+00]]), array([3.360e+00, 3.360e+00, ..., 3.360e+00, 3.360e+00]))