['SM data type data plots for mutation', 'Output1', 'using model:', 'model_hill.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
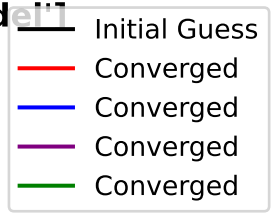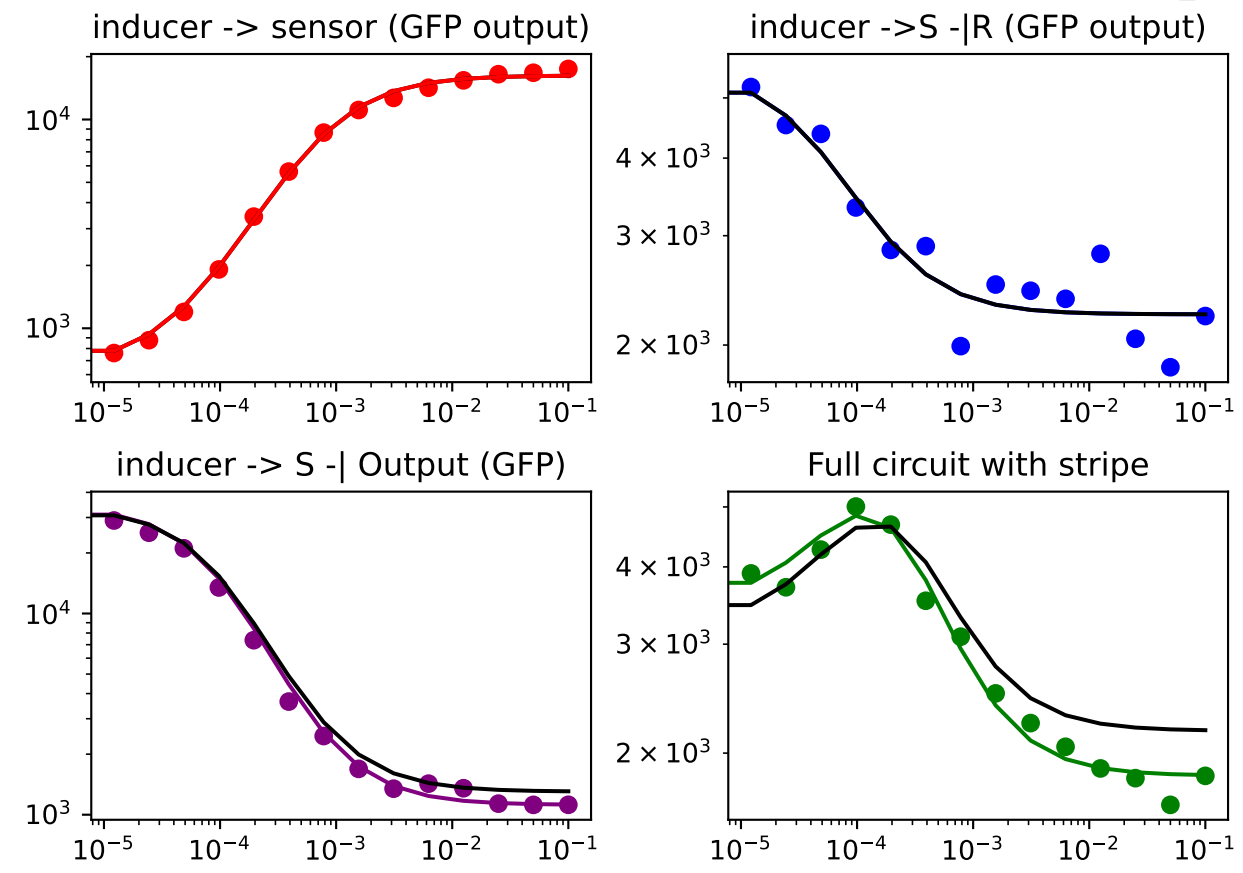
time elapsed for this fit
--- 2.0051841735839844 seconds ---

Across all four plots:

RSS (converged)=0.075

RSS (initial)=0.152

RSS (% reduction)=0.669

	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	0.272761	1.673894	1.946656
B_o	-0.012570	0.895342	0.882772
C_o	-0.715392	2.657699	1.942306
N_o	0.064780	1.379953	1.444733
F_o	-0.305293	2.361284	2.055991

message: Optimization terminated successfully.
success: True
 status: 0
    fun: 0.07511155864019757
      x: [6.507e+02 1.626e+04 ... 1.445e+00 2.056e+00]
    nit: 611
   nfev: 923
final_simplex: (array([[6.507e+02, 1.626e+04, ..., 1.445e+00,
          2.056e+00],
        [6.507e+02, 1.626e+04, ..., 1.445e+00,
          2.056e+00],
        ...,
        [6.507e+02, 1.626e+04, ..., 1.445e+00,
          2.056e+00],
        [6.507e+02, 1.626e+04, ..., 1.445e+00,
          2.056e+00]]), array([7.511e-02, 7.511e-02, ..., 7.511e-02, 7.511e-02]))