['SM data type data plots for mutation', 'Sensor4', 'using model:', 'model_hill.model']
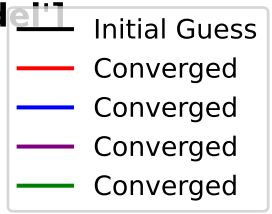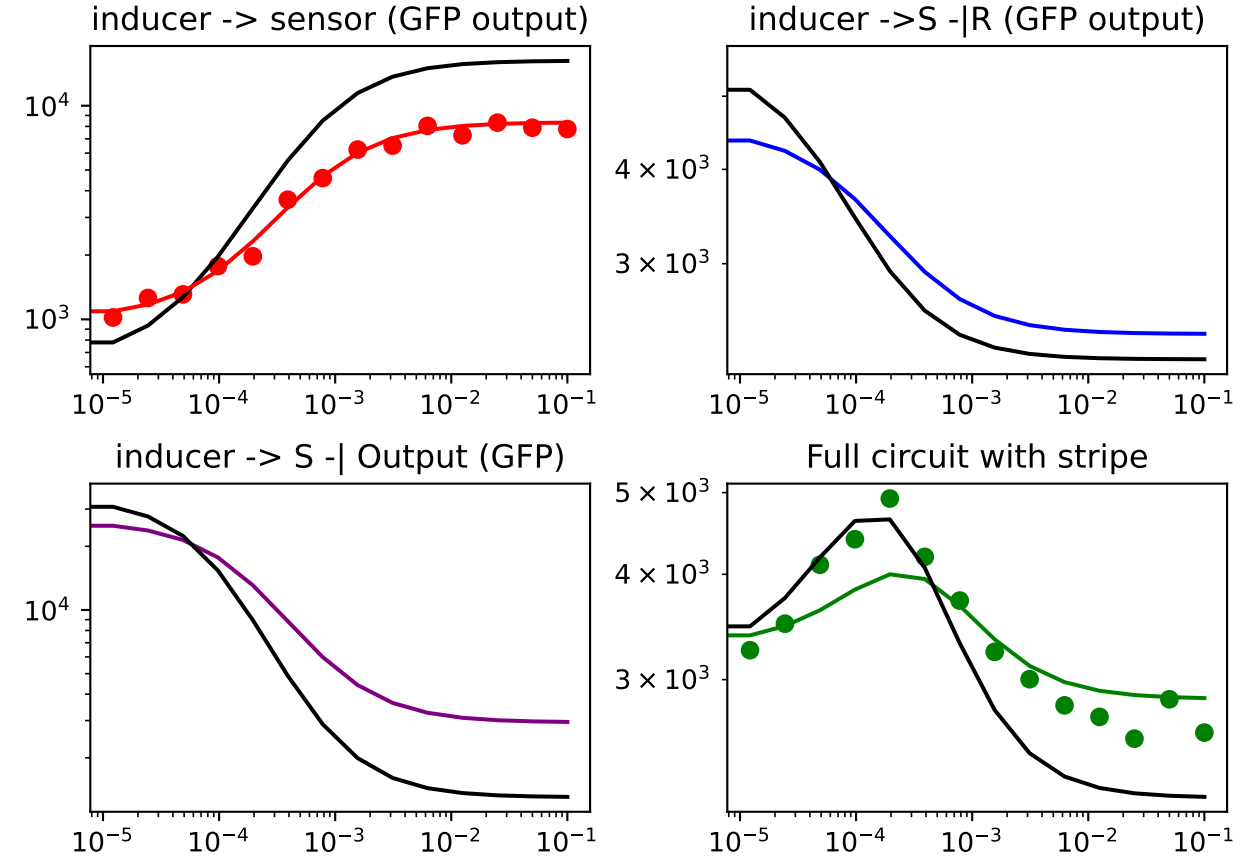
Across all four plots:

RSS (converged)=0.038

RSS (initial)=0.925

RSS (% reduction)=0.961

	epsilon	Initial_guesses	Converged
A_s	367.570465	650.714912	1018.285377
B_s	-7886.632382	16259.979950	8373.347568
C_s	-26.996933	1296.448889	1269.451956
N_s	-0.050362	1.154067	1.103705
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	-0.352262	2.361284	2.009021

message: Optimization terminated successfully.
success: True
 status: 0
    fun: 0.037630811246989235
      x: [1.018e+03 8.373e+03 ... 1.380e+00 2.009e+00]
    nit: 857
   nfev: 1331
final_simplex: (array([[1.018e+03, 8.373e+03, ..., 1.380e+00,
         2.009e+00],
        [1.018e+03, 8.373e+03, ..., 1.380e+00,
         2.009e+00],
        ...,
        [1.018e+03, 8.373e+03, ..., 1.380e+00,
         2.009e+00],
        [1.018e+03, 8.373e+03, ..., 1.380e+00,
         2.009e+00]]), array([3.763e-02, 3.763e-02, ..., 3.763e-02, 3.763e-02]))