['SM data type data plots for mutation', 'Sensor5', 'using model:', 'model']
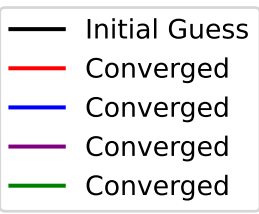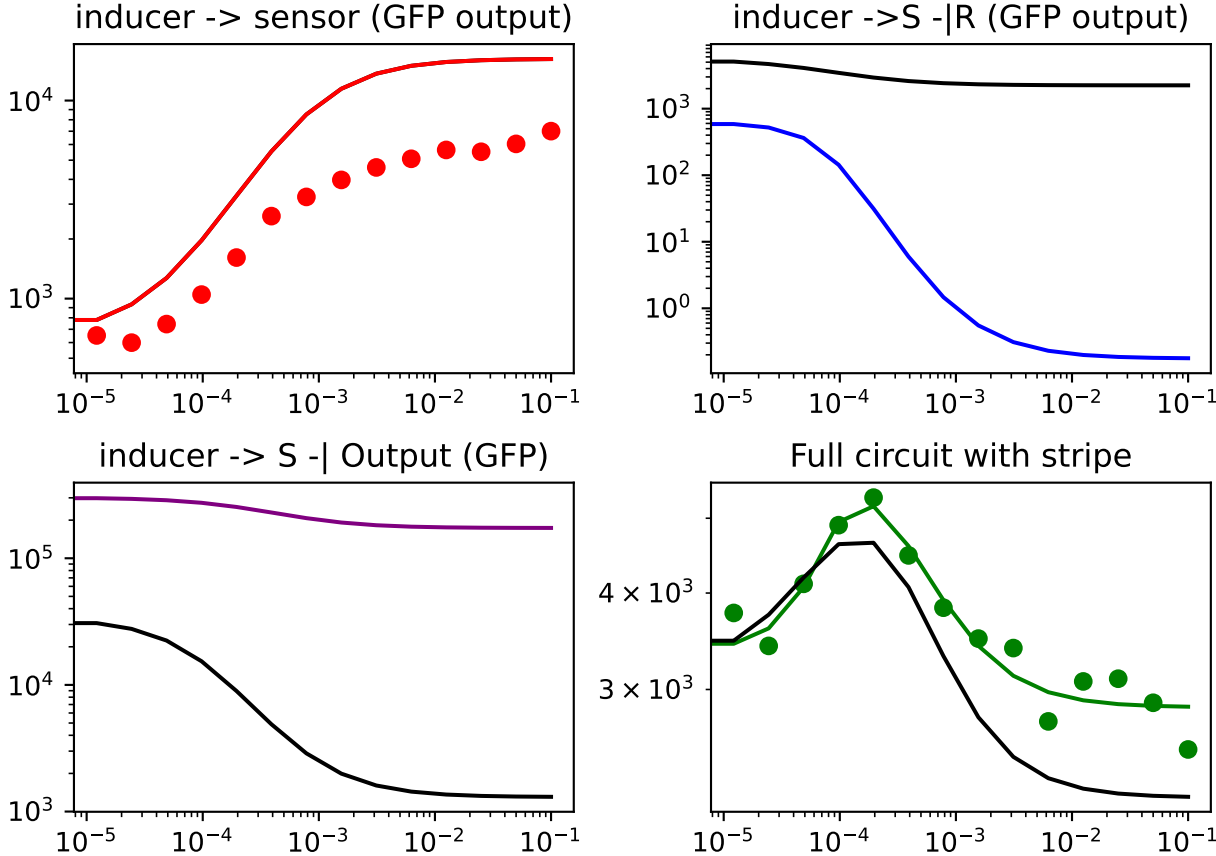
Across all four plots:

RSS (converged)=1.955

RSS (initial)=2.053

RSS (% reduction)=0.512

	epsilon	Initial_guesses	Converged
A_s	0.000000	650.714912	6.507149e+02
B_s	0.000000	16259.979950	1.625998e+04
C_s	0.000000	1296.448889	1.296449e+03
N_s	0.000000	1.154067	1.154067e+00
A_r	-2020.019216	2020.019216	1.235946e-08
B_r	-22993.438872	23688.809187	6.953703e+02
C_r	-0.009591	0.010358	7.664966e-04
N_r	2.373435	0.910072	3.283507e+00
A_h	83589.396670	143.802212	8.373320e+04
B_h	186895.612359	50238.271408	2.371339e+05
C_h	-0.000822	0.000929	1.068571e-04
A_o	-1.673894	1.673894	2.482954e-12
B_o	-0.346429	0.895342	5.489130e-01
C_o	15.313767	2.657699	1.797147e+01
N_o	-0.479529	1.379953	9.004239e-01
F_o	-2.303494	2.361284	5.779014e-02

message: Optimization terminated successfully.
success: True
 status: 0
    fun: 1.955477635162612
      x: [6.507e+02 1.626e+04 ... 9.004e-01 5.779e-02]
    nit: 43993
   nfev: 57382
final_simplex: (array([[6.507e+02, 1.626e+04, ..., 9.004e-01,
         5.779e-02],
       [6.507e+02, 1.626e+04, ..., 9.004e-01,
         5.779e-02],
       ...,
       [6.507e+02, 1.626e+04, ..., 9.004e-01,
         5.779e-02],
       [6.507e+02, 1.626e+04, ..., 9.004e-01,
         5.779e-02]]), array([1.955e+00, 1.955e+00, ..., 1.955e+00, 1.955e+00]))