['SM data type data plots for mutation', 'Output2', 'using model:', 'model']
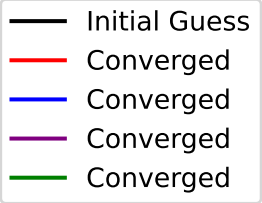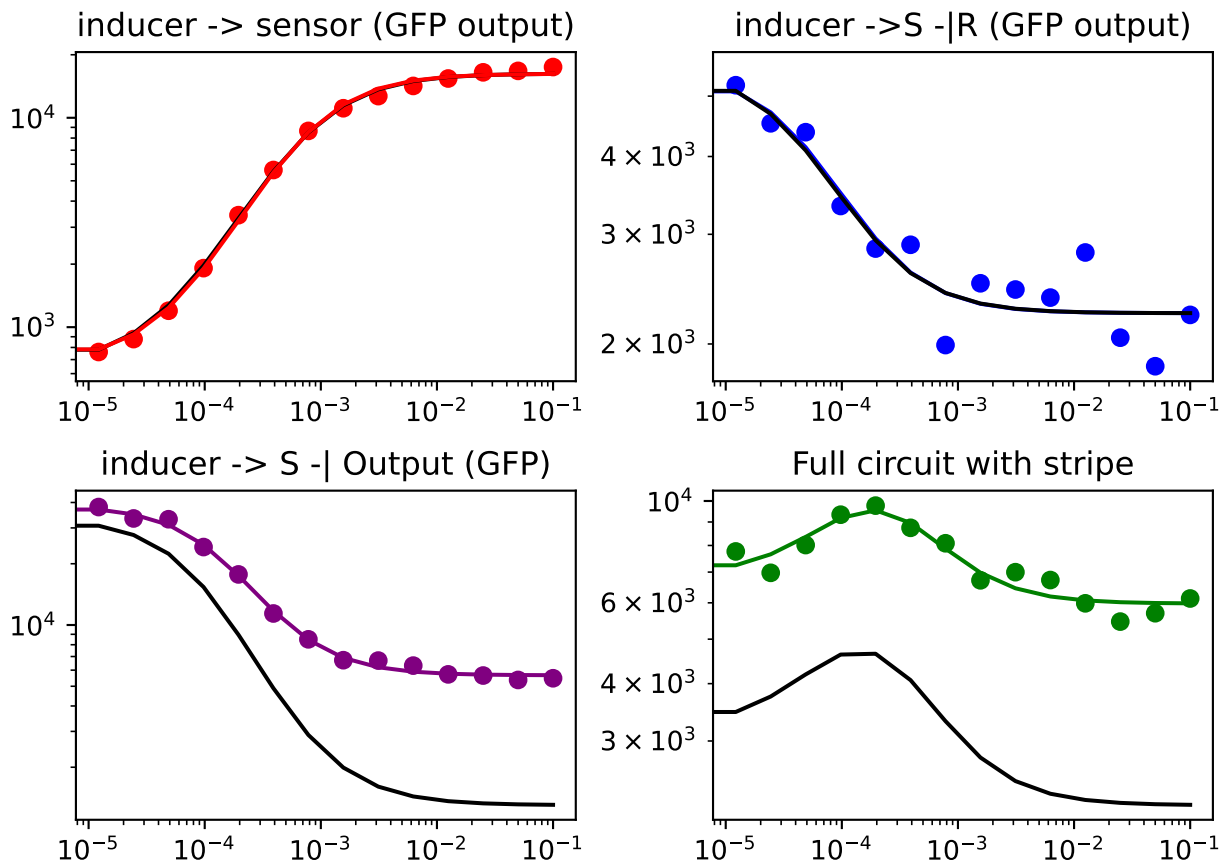
Across all four plots:

RSS (converged)=0.051

RSS (initial)=5.327

RSS (% reduction)=0.991

	epsilon	Initial_guesses	Converged
A_s	20.879424	650.714912	671.594336
B_s	-20.247126	16259.979950	16239.732824
C_s	7.373916	1296.448889	1303.822805
N_s	0.036723	1.154067	1.190790
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	3055.329293	143.802212	3199.131505
B_h	-4434.132640	50238.271408	45804.138768
C_h	-0.000355	0.000929	0.000574
A_o	-1.191400	1.673894	0.482494
B_o	0.639275	0.895342	1.534617
C_o	0.917751	2.657699	3.575450
N_o	-0.094522	1.379953	1.285431
F_o	-0.807871	2.361284	1.553412

message: Optimization terminated successfully.
success: True
 status: 0
    fun: 0.05091438704560596
      x: [6.716e+02 1.624e+04 ... 1.285e+00 1.553e+00]
    nit: 17984
   nfev: 23526
final_simplex: (array([[6.716e+02, 1.624e+04, ..., 1.285e+00,
         1.553e+00],
       [6.716e+02, 1.624e+04, ..., 1.285e+00,
        1.553e+00],
       ...,
       [6.716e+02, 1.624e+04, ..., 1.285e+00,
        1.553e+00],
       [6.716e+02, 1.624e+04, ..., 1.285e+00,
        1.553e+00]]), array([5.091e-02, 5.091e-02, ..., 5.091e-02, 5.091e-02]))