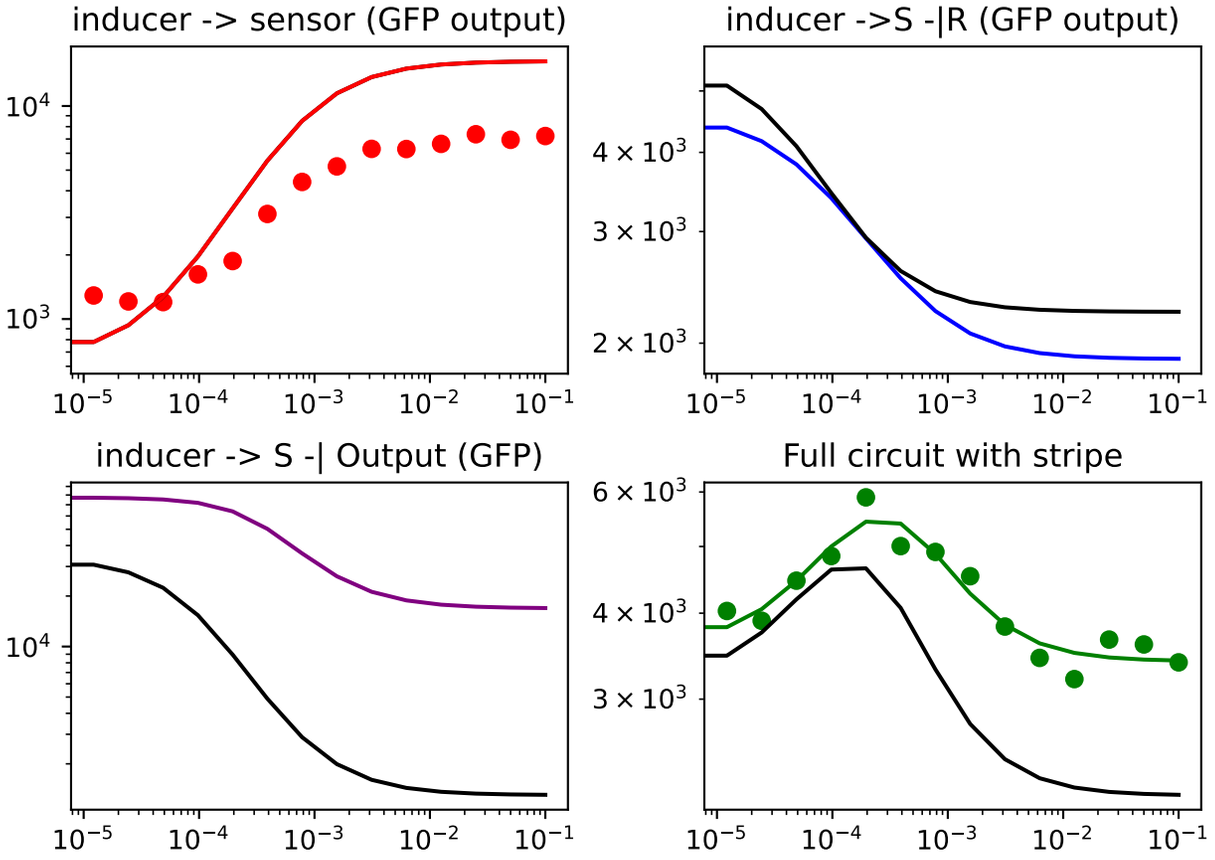
['SM data type data plots for mutation', 'Sensor8', 'using model:', 'model']



time elapsed for this fit
--- 17.58650517463684 seconds ---

Across all four plots:

RSS (converged)=1.264

RSS (initial)=1.584

RSS (% reduction)=0.556

	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	-1428.167962	2020.019216	591.851254
B_r	-8872.474093	23688.809187	14816.335094
C_r	0.006010	0.010358	0.016368
N_r	-0.490137	0.910072	0.419935
A_h	51.913700	143.802212	195.715912
B_h	28069.984493	50238.271408	78308.255901
C_h	-0.000799	0.000929	0.000130
A_o	1.887949	1.673894	3.561844
B_o	0.614989	0.895342	1.510331
C_o	2.766145	2.657699	5.423843
N_o	0.365542	1.379953	1.745495
F_o	-2.098098	2.361284	0.263186

```
     message: Optimization terminated successfully.
     success: True
      status: 0
         fun: 1.2639544451241065
           x: [ 6.507e+02  1.626e+04 ...  1.745e+00  2.632e-01]
        nit: 6749
        nfev: 9199
final_simplex: (array([[ 6.507e+02,  1.626e+04, ...,  1.745e+00,
                         2.632e-01],
                       [ 6.507e+02,  1.626e+04, ...,  1.745e+00,
                         2.632e-01],
                       ...,
                       [ 6.507e+02,  1.626e+04, ...,  1.745e+00,
                         2.632e-01],
                       [ 6.507e+02,  1.626e+04, ...,  1.745e+00,
                         2.632e-01]]), array([ 1.264e+00,  1.264e+00, ...,  1.264e+00,  1.264e+00]))
```