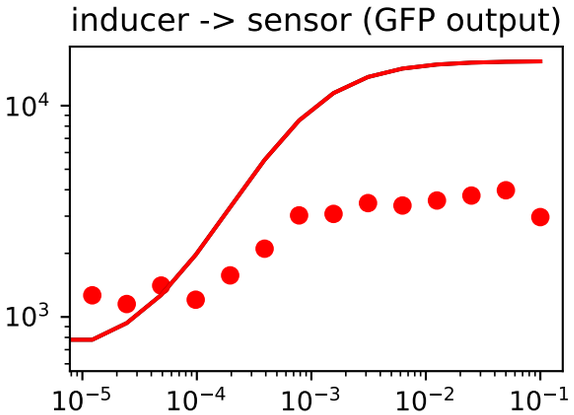
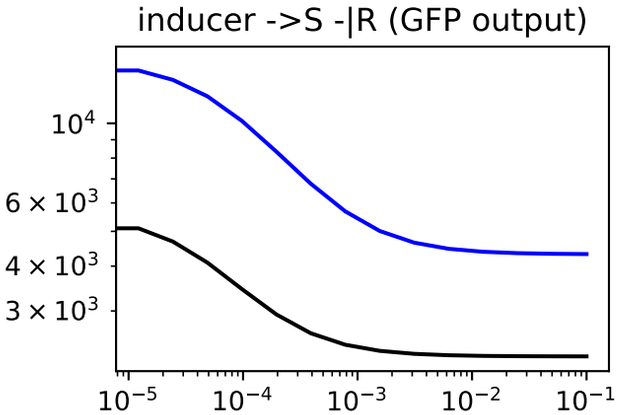
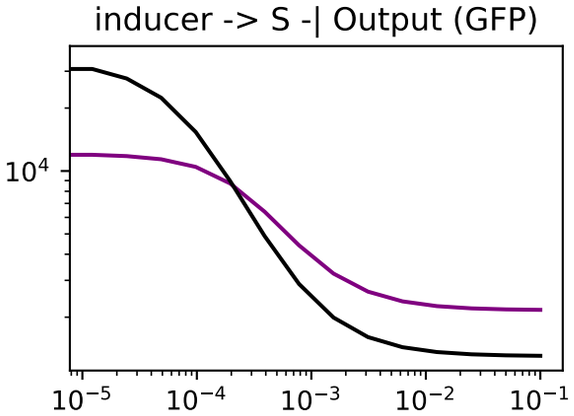
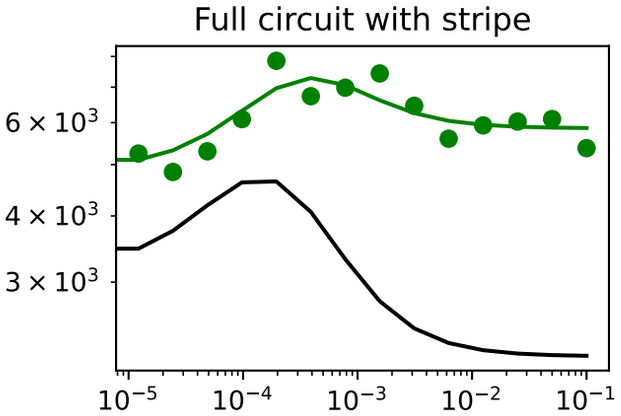
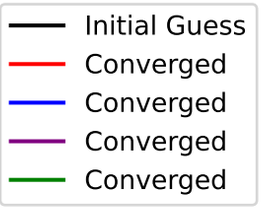
['SM data type data plots for mutation', 'Sensor3', 'using model:', 'model']











time elapsed for this fit
--- 20.60858988761902 seconds ---

Across all four plots:

RSS (converged)=3.467

RSS (initial)=5.015

RSS (% reduction)=0.591

	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	-1954.758661	2020.019216	65.260555
B_r	19302.272589	23688.809187	42991.081776
C_r	-0.004600	0.010358	0.005757
N_r	-0.423180	0.910072	0.486892
A_h	12.982678	143.802212	156.784891
B_h	-37875.707110	50238.271408	12362.564298
C_h	-0.000751	0.000929	0.000179
A_o	0.329088	1.673894	2.002982
B_o	-0.480707	0.895342	0.414635
C_o	-0.580932	2.657699	2.076767
N_o	0.162265	1.379953	1.542218
F_o	5.216738	2.361284	7.578022

```
      message: Optimization terminated successfully.
      success: True
       status: 0
          fun: 3.467278812750455
            x: [ 6.507e+02  1.626e+04 ...  1.542e+00  7.578e+00]
          nit: 7957
         nfev: 10709
final_simplex: (array([[ 6.507e+02,  1.626e+04, ...,  1.542e+00,
                         7.578e+00],
                       [ 6.507e+02,  1.626e+04, ...,  1.542e+00,
                         7.578e+00],
                       ...,
                       [ 6.507e+02,  1.626e+04, ...,  1.542e+00,
                         7.578e+00],
                       [ 6.507e+02,  1.626e+04, ...,  1.542e+00,
                         7.578e+00]]), array([ 3.467e+00,  3.467e+00, ...,  3.467e+00,  3.467e+00]))
```