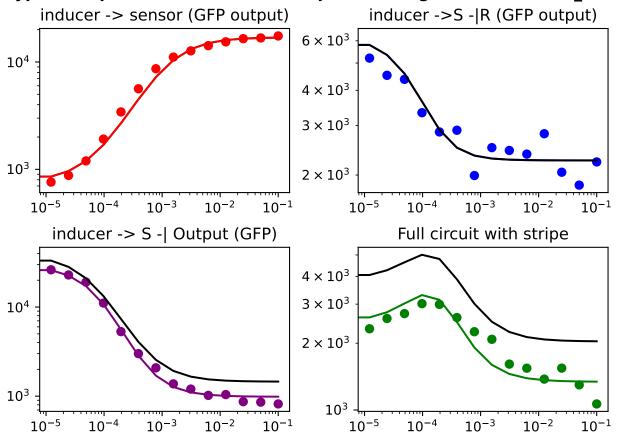
## ['SM data type data plots for mutation', 'Output3', 'using model:', 'model\_hill.model\_2'] Initial Guess



time elapsed for this fit --- 13.711310863494873 seconds ---

Converged

Converged Converged

Converged

Across all four plots:

RSS (converged)=0.157

RSS (initial)=1.015

RSS (% reduction)=0.866

```
epsilon Initial guesses
                                Converged
A s 0.000000e+00
                   7.671584e+02
                                  767.158409
B s 0.000000e+00
                   1.694202e+04 16942.019302
C s 0.000000e+00
                   8.969736e+02
                                  896.973585
N s 0.000000e+00
                   1.151182e+00
                                   1.151182
A r 0.000000e+00
                   2.229804e+03 2229.803862
B r 0.000000e+00
                                 8961.651645
                   8.961652e+03
                   1.461384e-03
C r 0.000000e+00
                                  0.001461
N r 0.000000e+00
                   1.841235e+00
                                   1.841235
A o -2.194429e+02
                   9.859837e+02
                                  766.540715
B o -1.793478e+07
                   1.801530e+07 80520.894505
C o -9.920462e-02
                                  0.001848
                   1.010522e-01
N o 2.975902e-01
                   1.417996e+00
                                   1.715586
F o -5.637990e-02
                  1.477611e+00
                                  1.421231
```