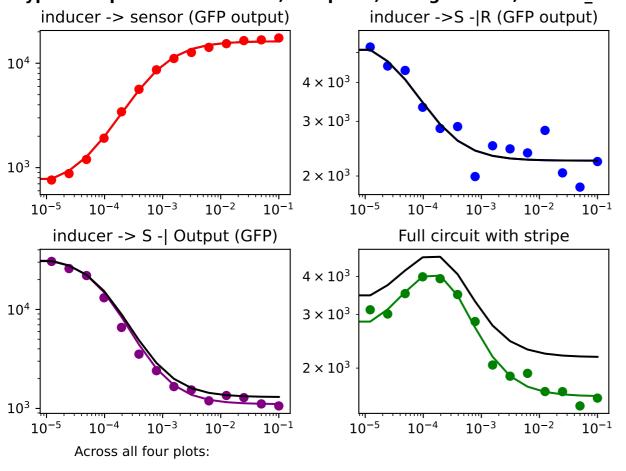
['SM data type data plots for mutation', 'Output6', 'using model:', 'model hill.modeli']



time elapsed for this fit
--- 1.984891653060913 seconds ---

**Initial Guess** 

Converged Converged

Converged

RSS (converged)=0.081

RSS (initial)=0.273

RSS (% reduction)=0.77

```
epsilon Initial guesses
                               Converged
                                                     message: Optimization terminated successfully.
A s 0.000000
                 650.714912
                              650.714912
                                                     success: True
B s 0.000000
                16259.979950 16259.979950
                                                      status: 0
C s 0.000000
                1296.448889
                             1296.448889
                                                       fun: 0.08136500286662311
N s 0.000000
                  1.154067
                              1.154067
                                                         x: [ 6.507e+02 1.626e+04 ... 1.450e+00 1.688e+00]
                2020.019216 2020.019216
A r 0.000000
                                                       nit: 581
B r 0.000000
               23688.809187 23688.809187
                                                       nfev: 891
C r 0.000000
                  0.010358
                              0.010358
                                                 final simplex: (array([[ 6.507e+02, 1.626e+04, ..., 1.450e+00,
N r 0.000000
                  0.910072
                              0.910072
                                                               1.688e + 00],
                 143.802212
A h 0.000000
                             143.802212
                                                              [6.507e+02, 1.626e+04, ..., 1.450e+00,
B_h 0.000000
                50238.271408 50238.271408
                                                               1.688e+00],
C h 0.000000
                  0.000929
                              0.000929
A o -1.041782
                  1.673894
                              0.632112
                                                              [6.507e+02, 1.626e+04, ..., 1.450e+00,
B o 0.519584
                  0.895342
                              1.414926
                                                               1.688e + 00],
C o 0.038903
                                                              [6.507e+02, 1.626e+04, ..., 1.450e+00,
                  2.657699
                              2.696601
N o 0.070346
                                                               1.688e+00]]), array([ 8.137e-02, 8.137e-02, ..., 8.137e-02, 8.137e-02]))
                  1.379953
                              1.450299
F o -0.673726
                              1.687558
                  2.361284
```