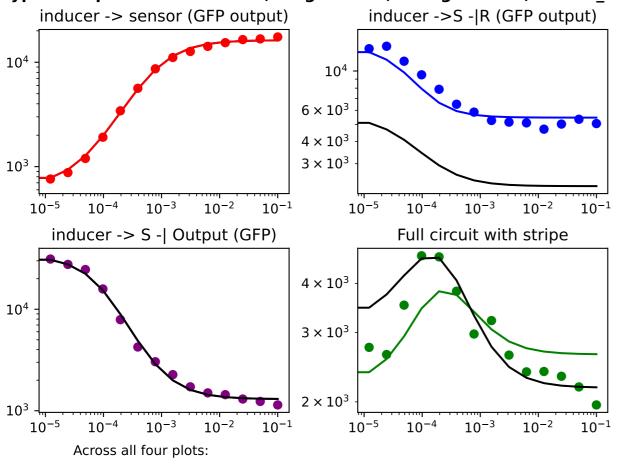
['SM data type data plots for mutation', 'Regulator3', 'using model:', 'model_hill.model']_{Initial Guess}



time elapsed for this fit
--- 5.3845109939575195 seconds ---

Converged Converged

Converged

RSS (converged)=0.139

RSS (initial)=2.427

RSS (% reduction)=0.946

```
epsilon Initial guesses
                                Converged
                                                    message: Optimization terminated successfully.
                              650.714912
     0.000000
                  650.714912
A s
                                                    success: True
                 16259.979950 16259.979950
     0.000000
Bs
                                                    status: 0
     0.000000
                 1296.448889 1296.448889
Сs
                                                      fun: 0.13893787423679754
     0.000000
                   1.154067
                               1.154067
                                                       x: [6.507e+02 1.626e+04 ... 1.380e+00 3.901e+00]
Ar 3315.908874
                   2020.019216 5335.928090
                                                      nit: 1720
Br-5098.636303
                  23688.809187 18590.172884
                                                     nfev: 2527
C_r -0.008686
                   0.010358
                               0.001672
                                                final simplex: (array([[ 6.507e+02, 1.626e+04, ..., 1.380e+00,
     0.613024
                   0.910072
                               1.523097
Νr
                                                              3.901e+00],
Αh
     0.000000
                  143.802212 143.802212
                                                             [6.507e+02, 1.626e+04, ..., 1.380e+00,
     0.000000
                 50238.271408 50238.271408
                                                              3.901e+00],
C_h
     0.000000
                   0.000929
                               0.000929
     0.000000
                   1.673894
                               1.673894
                                                             [6.507e+02, 1.626e+04, ..., 1.380e+00,
Αо
                   0.895342
     0.000000
                               0.895342
Во
                                                              3.901e+001,
C_o
     0.000000
                   2.657699
                                                             [6.507e+02, 1.626e+04, ..., 1.380e+00,
                               2.657699
     0.000000
                   1.379953
                               1.379953
                                                              3.901e+00]), array([ 1.389e-01, 1.389e-01, ..., 1.389e-01, 1.389e-01]))
Νo
                   2.361284
                               3.900684
     1.539401
```