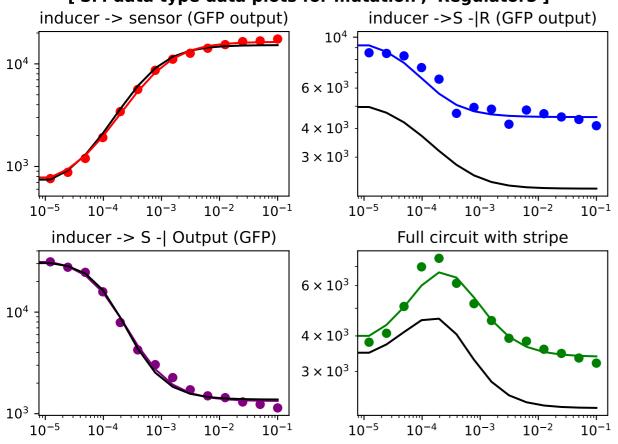
['SM data type data plots for mutation', 'Regulator5']



Across all four plots:

RSS (converged)=0.058

RSS (initial)=1.693

RSS (% reduction)=0.967

```
epsilon Initial guesses
                              Converged
    33.679866
                  608.397103 642.076969
B s 1179.740530
                  15250.457700 16430.198230
Cs -465.900883
                   1668.059050 1202.158167
     -0.081342
                   1.198934
                               1.117591
A r 3594.422612
                   687.964693 4282.387305
Br-13754.374196
                   23497.611400 9743.237204
     -0.061111
                   0.062367
                              0.001256
Сr
      0.881565
                   0.391731
                              1.273295
Νr
     19.145143
                   590.606548 609.751691
Αh
    8093.229376
                   35287.125700 43380.355076
Βh
C h
      0.000220
                   0.000530
                              0.000750
     -0.721622
                   0.829830
                               0.108208
Αо
                   4.288170
Во
      6.847836
                              11.136006
                   3.133222
                               2.698530
Со
      -0.434691
      -0.185005
                   1.809018
                               1.624014
```

```
message: Optimization terminated successfully.
   success: True
    status: 0
      fun: 0.05830029110957925
       x: [ 6.421e+02 1.643e+04 ... 2.699e+00 1.624e+00]
      nit: 42121
     nfev: 55061
final simplex: (array([[ 6.421e+02, 1.643e+04, ..., 2.699e+00,
              1.624e + 001
             [6.421e+02, 1.643e+04, ..., 2.699e+00,
              1.624e+00],
             [6.421e+02, 1.643e+04, ..., 2.699e+00,
              1.624e+00],
             [6.421e+02, 1.643e+04, ..., 2.699e+00,
              1.624e+00]]), array([ 5.830e-02, 5.830e-02, ..., 5.830e-02, 5.830e-02]))
```

Initial Guess

Converged

Converged Converged

Converged