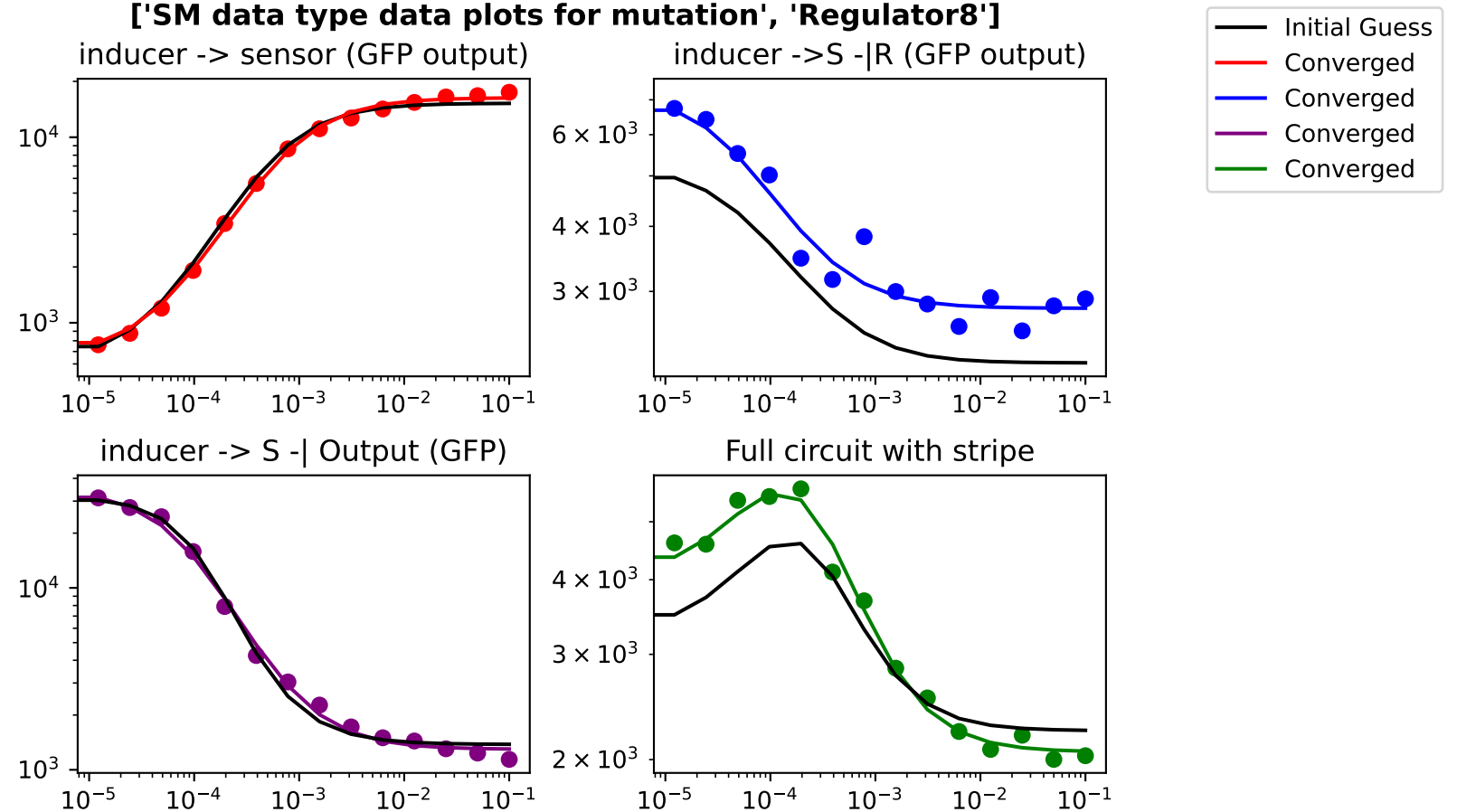

Across all four plots:

RSS (converged)=0.049

RSS (initial)=0.303

RSS (% reduction)=0.862

	epsilon	Initial_guesses	Converged
A_s	45.944785	608.397103	654.341888
B_s	1083.034533	15250.457700	16333.492233
C_s	-407.148490	1668.059050	1260.910560
N_s	-0.045819	1.198934	1.153115
A_r	1551.198390	687.964693	2239.163083
B_r	51940.484937	23497.611400	75438.096337
C_r	0.001801	0.062367	0.064168
N_r	0.316168	0.391731	0.707899
A_h	-577.334532	590.606548	13.272016
B_h	29032.620959	35287.125700	64319.746659
C_h	0.000798	0.000530	0.001328
A_o	-0.080106	0.829830	0.749724
B_o	-2.143320	4.288170	2.144850
C_o	-1.565405	3.133222	1.567817
N_o	-0.543131	1.809018	1.265887


```
message: Optimization terminated successfully.
success: True
 status: 0
    fun: 0.04866253478992506
      x: [ 6.543e+02  1.633e+04 ...  1.568e+00  1.266e+00]
    nit: 16091
   nfev: 21140
final_simplex: (array([[ 6.543e+02,  1.633e+04, ...,  1.568e+00,
                         1.266e+00],
                       [ 6.543e+02,  1.633e+04, ...,  1.568e+00,
                         1.266e+00],
                       ...,
                       [ 6.543e+02,  1.633e+04, ...,  1.568e+00,
                         1.266e+00],
                       [ 6.543e+02,  1.633e+04, ...,  1.568e+00,
                         1.266e+00]]), array([ 4.866e-02,  4.866e-02, ...,  4.866e-02,  4.866e-02]))
```