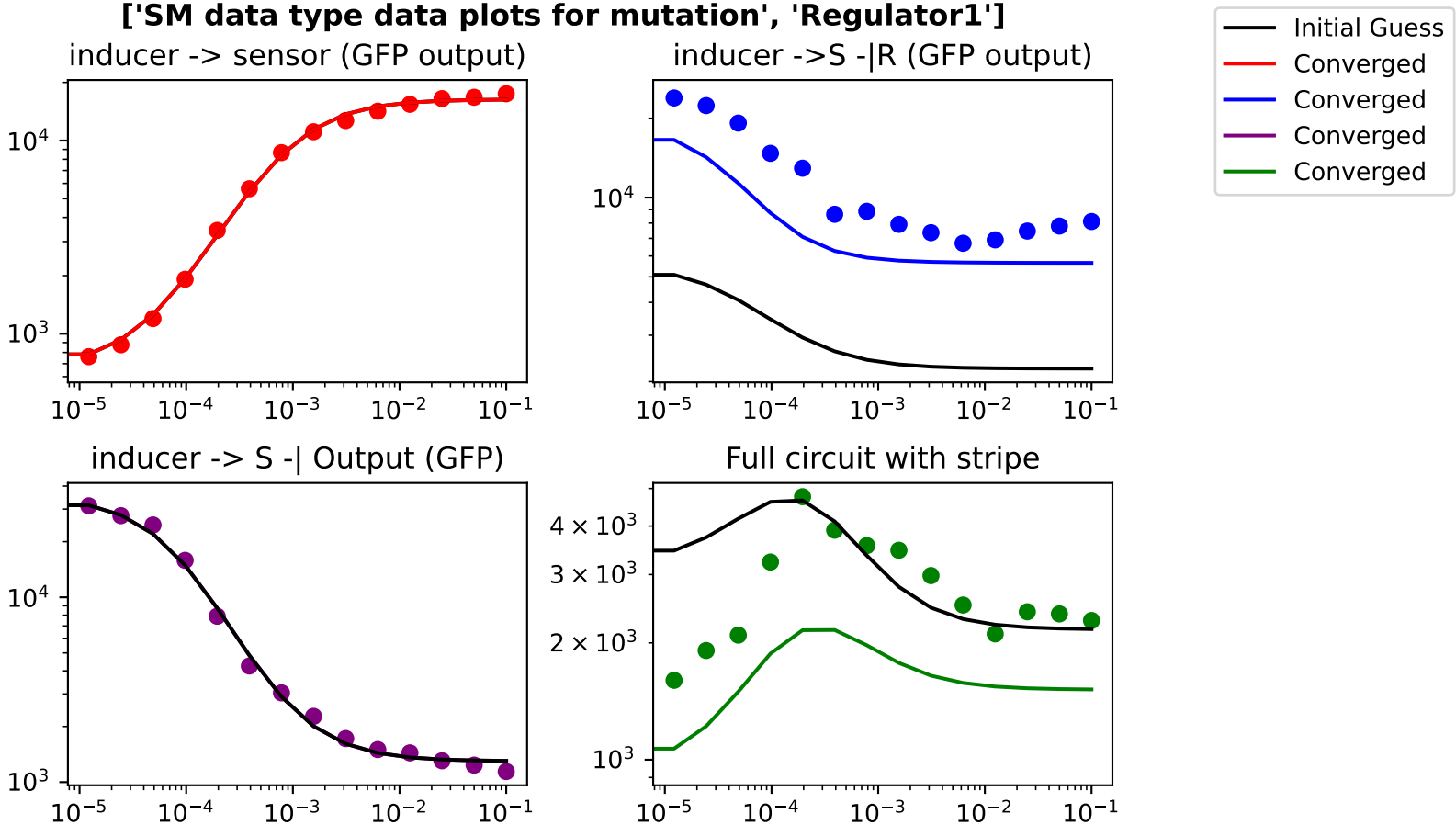

Across all four plots:

RSS (converged)=1.173

RSS (initial)=5.536

RSS (% reduction)=0.825

	epsilon	Initial_guesses	Converged
A_s	0.000000e+00	6.599635e+02	6.599635e+02
B_s	0.000000e+00	1.634714e+04	1.634714e+04
C_s	0.000000e+00	1.259256e+03	1.259256e+03
N_s	0.000000e+00	1.160440e+00	1.160440e+00
A_r	3.469093e+03	1.998310e+03	5.467403e+03
B_r	2.092737e+11	2.040009e+11	4.132745e+11
C_r	-2.771307e+06	2.771808e+06	5.008570e+02
N_r	5.161354e-01	8.375226e-01	1.353658e+00
A_h	0.000000e+00	5.477878e-06	5.477878e-06
B_h	0.000000e+00	6.710814e+04	6.710814e+04
C_h	0.000000e+00	1.412943e-03	1.412943e-03
A_o	0.000000e+00	5.414338e+07	5.414338e+07
B_o	0.000000e+00	2.126439e+00	2.126439e+00
C_o	0.000000e+00	2.720605e+00	2.720605e+00
N_o	0.000000e+00	1.250443e+00	1.250443e+00

```
message: Optimization terminated successfully.
success: True
 status: 0
    fun: 1.1728925134796135
      x: [ 6.600e+02  1.635e+04 ...  2.721e+00  1.250e+00]
    nit: 2535
   nfev: 4055
final_simplex: (array([[ 6.600e+02,  1.635e+04, ...,  2.721e+00,
                         1.250e+00],
                       [ 6.600e+02,  1.635e+04, ...,  2.721e+00,
                         1.250e+00],
                       ...,
                       [ 6.600e+02,  1.635e+04, ...,  2.721e+00,
                         1.250e+00],
                       [ 6.600e+02,  1.635e+04, ...,  2.721e+00,
                         1.250e+00]]), array([ 1.173e+00,  1.173e+00, ...,  1.173e+00,  1.173e+00]))
```