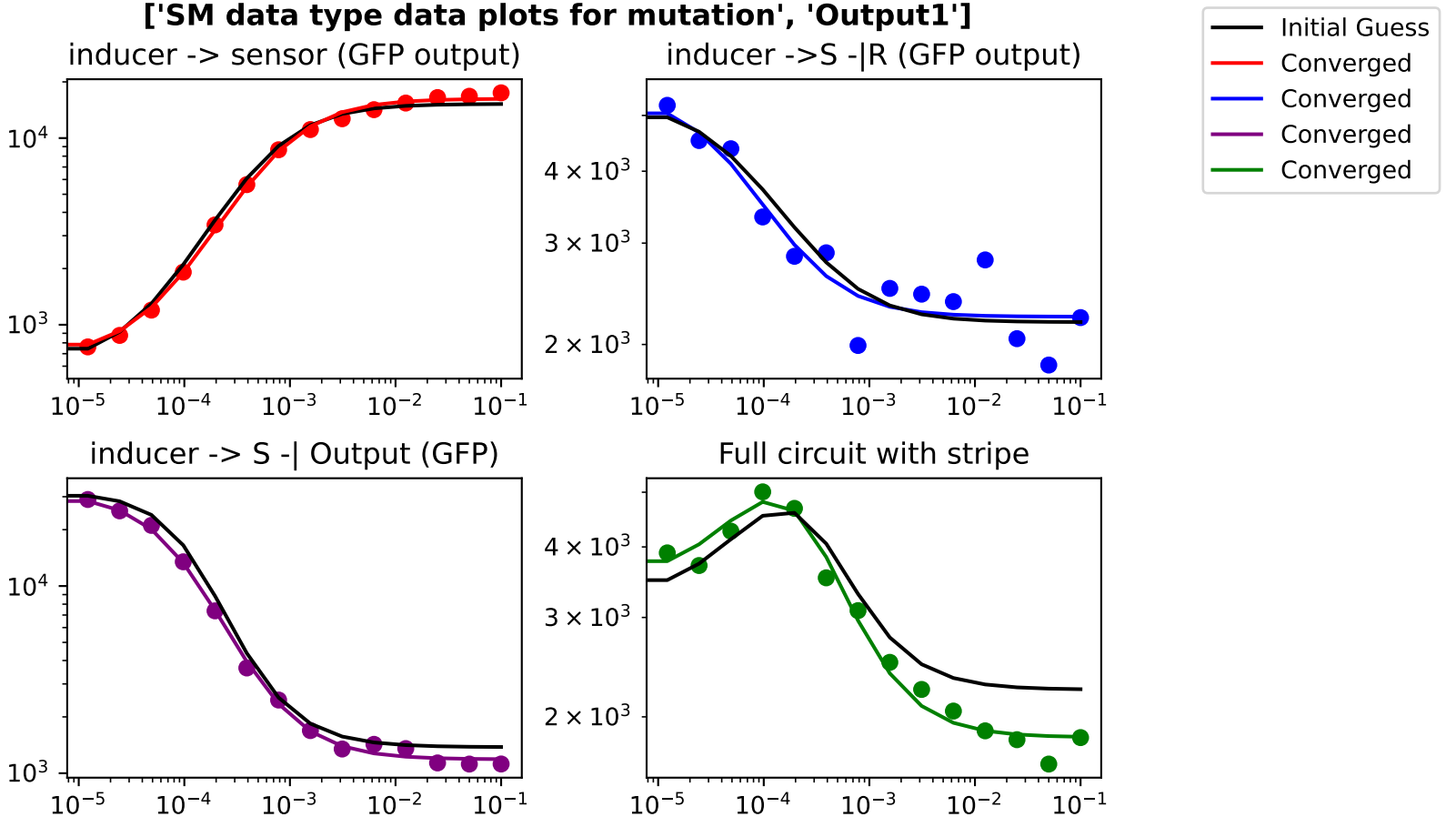

Across all four plots:

RSS (converged)=0.056

RSS (initial)=0.174

RSS (% reduction)=0.757

	epsilon	Initial_guesses	Converged
A_s	61.603354	608.397103	670.000457
B_s	1006.256836	15250.457700	16256.714536
C_s	-371.823786	1668.059050	1296.235264
N_s	-0.012177	1.198934	1.186756
A_r	1249.339054	687.964693	1937.303747
B_r	240449.396804	23497.611400	263947.008204
C_r	0.321830	0.062367	0.384198
N_r	0.384786	0.391731	0.776517
A_h	-201.353640	590.606548	389.252908
B_h	16394.433511	35287.125700	51681.559211
C_h	0.000603	0.000530	0.001133
A_o	0.495095	0.829830	1.324924
B_o	-1.944938	4.288170	2.343233
C_o	-1.124918	3.133222	2.008303
N_o	-0.382204	1.809018	1.426815

```
message: Optimization terminated successfully.
success: True
 status: 0
    fun: 0.05582860264303042
      x: [ 6.700e+02  1.626e+04 ...  2.008e+00  1.427e+00]
    nit: 17489
   nfev: 22978
final_simplex: (array([[ 6.700e+02,  1.626e+04, ...,  2.008e+00,
                         1.427e+00],
                       [ 6.700e+02,  1.626e+04, ...,  2.008e+00,
                         1.427e+00],
                       ...,
                       [ 6.700e+02,  1.626e+04, ...,  2.008e+00,
                         1.427e+00],
                       [ 6.700e+02,  1.626e+04, ...,  2.008e+00,
                         1.427e+00]]), array([ 5.583e-02,  5.583e-02, ...,  5.583e-02,  5.583e-02]))
```