['SM data type data plots for mutation', 'Sensor10', 'using model:', 'model_hill.model_2']

inducer -> sensor (GFP output)

inducer ->S -|R (GFP output)

Initial Guess
Converged
Converged
Converged
Converged

time elapsed for this fit
--- 6.664555311203003 seconds ---

inducer -> S -| Output (GFP)

Full circuit with stripe
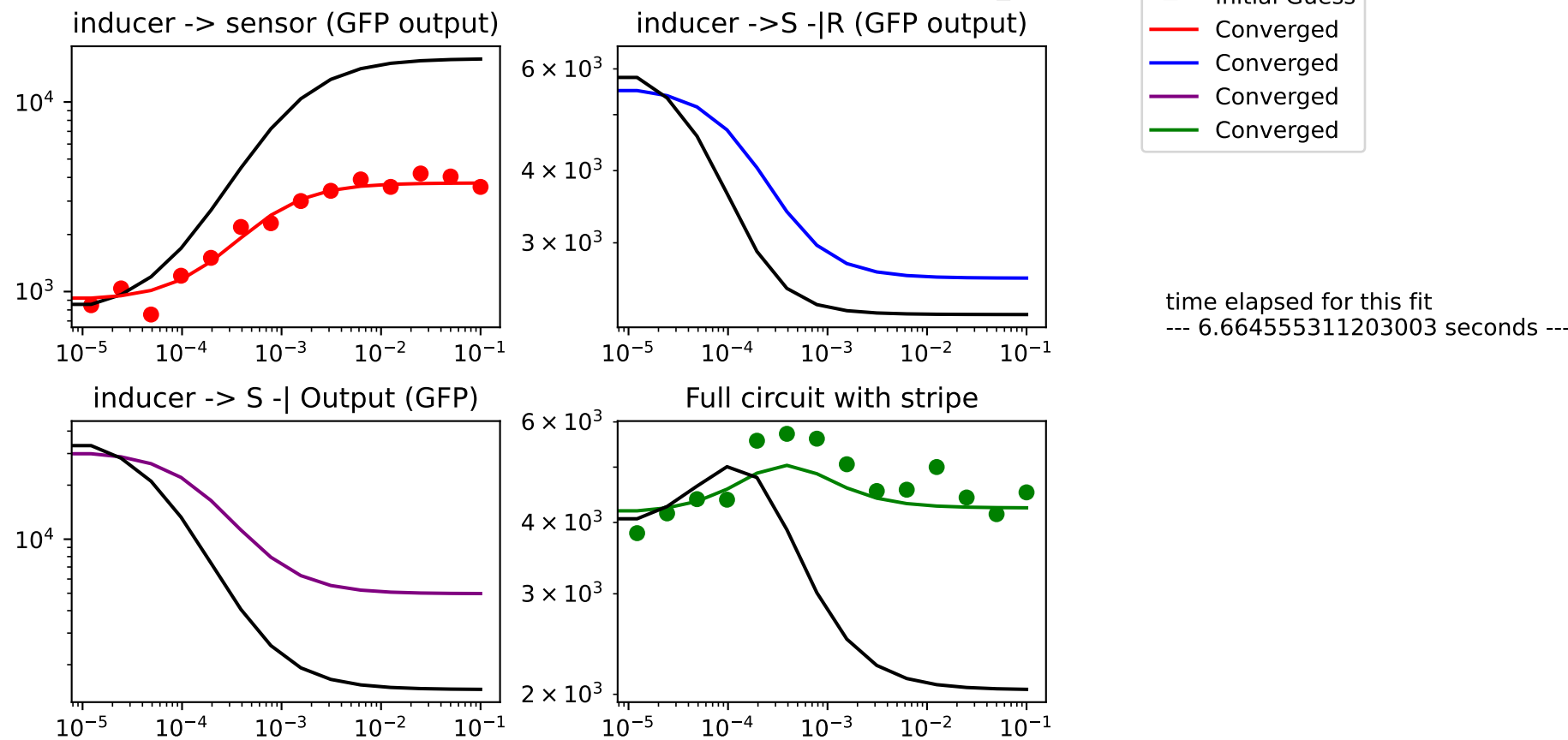
Across all four plots:

RSS (converged)=0.066

RSS (initial)=3.971

RSS (% reduction)=0.984

	epsilon	Initial_guesses	Converged
A_s	136.900582	7.671584e+02	9.040590e+02
B_s	-13201.519671	1.694202e+04	3.740500e+03
C_s	716.831410	8.969736e+02	1.613805e+03
N_s	0.112362	1.151182e+00	1.263544e+00
A_r	0.000000	2.229804e+03	2.229804e+03
B_r	0.000000	8.961652e+03	8.961652e+03
C_r	0.000000	1.461384e-03	1.461384e-03
N_r	0.000000	1.841235e+00	1.841235e+00
A_o	0.000000	9.859837e+02	9.859837e+02
B_o	0.000000	1.801530e+07	1.801530e+07
C_o	0.000000	1.010522e-01	1.010522e-01
N_o	0.000000	1.417996e+00	1.417996e+00
F_o	0.000000	1.477611e+00	1.477611e+00

message: Optimization terminated successfully.
success: True
 status: 0
    fun: 0.06611949331732757
      x: [9.041e+02 3.740e+03 ... 1.418e+00 1.478e+00]
    nit: 700
   nfev: 1119
final_simplex: (array([[9.041e+02, 3.740e+03, ..., 1.418e+00,
          1.478e+00],
        [9.041e+02, 3.740e+03, ..., 1.418e+00,
          1.478e+00],
        ...,
        [9.041e+02, 3.740e+03, ..., 1.418e+00,
          1.478e+00],
        [9.041e+02, 3.740e+03, ..., 1.418e+00,
          1.478e+00]]), array([6.612e-02, 6.612e-02, ..., 6.612e-02, 6.612e-02]))