['SM data type data plots for mutation', 'Output10', 'using model:', 'model_hill']

inducer -> sensor (GFP output)

inducer ->S -|R (GFP output)

inducer -> S -| Output (GFP)

Full circuit with stripe

Legend: Initial Guess, Converged, Converged, Converged, Converged
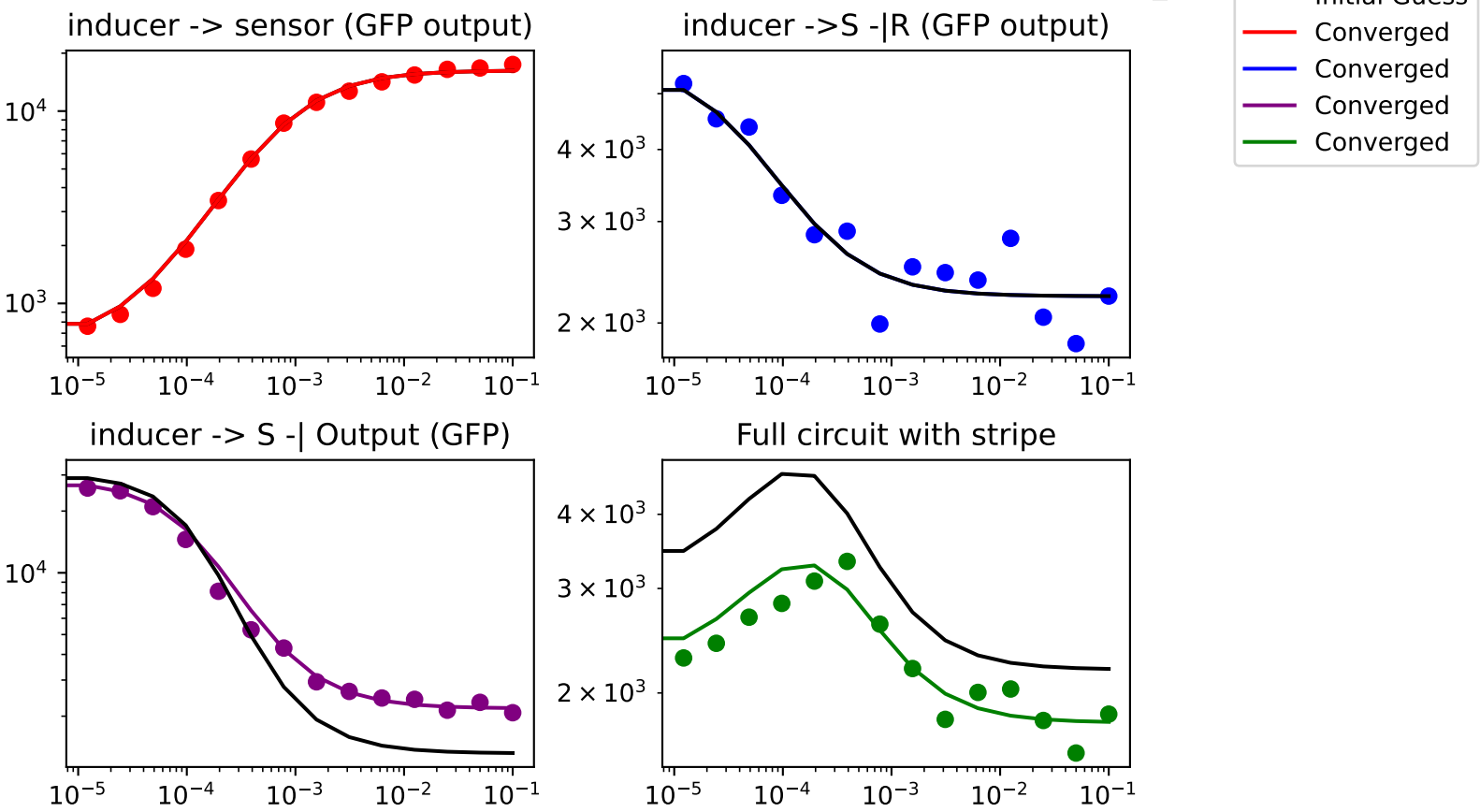
Across all four plots:

RSS (converged)=0.096

RSS (initial)=0.751

RSS (% reduction)=0.886

	epsilon	Initial_guesses	Converged
As	0.000000	618.047086	618.047086
Bs	0.000000	16278.856600	16278.856600
Cs	0.000000	1300.653790	1300.653790
Ns	0.000000	1.096541	1.096541
Ar	0.000000	1916.175610	1916.175610
Br	0.000000	18874.240800	18874.240800
Cr	0.000000	0.009030	0.009030
Nr	0.000000	0.820433	0.820433
Ah	-0.310714	683.835638	683.524924
Bh	597.573957	32464.380200	33061.954157
Ch	0.000041	0.000473	0.000514
Fo	-1.318271	2.821352	1.503081
Ao	-0.036660	0.632148	0.595488
Bo	-0.122517	0.972768	0.850251
Co	0.480669	2.640174	3.120843
No	-0.484319	1.919339	1.435020

message: Maximum number of iterations has been exceeded.
success: False
 status: 2
    fun: 0.09637449230408174
      x: [6.180e+02 1.628e+04 ... 3.121e+00 1.435e+00]
    nit: 100
   nfev: 143
final_simplex: (array([[6.180e+02, 1.628e+04, ..., 3.121e+00,
                1.435e+00],
             [6.180e+02, 1.628e+04, ..., 3.079e+00,
                1.477e+00],
             ...,
             [6.180e+02, 1.628e+04, ..., 3.046e+00,
                1.470e+00],
             [6.180e+02, 1.628e+04, ..., 3.016e+00,
                1.488e+00]]), array([9.637e-02, 9.687e-02, ..., 1.048e-01, 1.049e-01]))