['SM data type data plots for mutation', 'Regulator2', '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
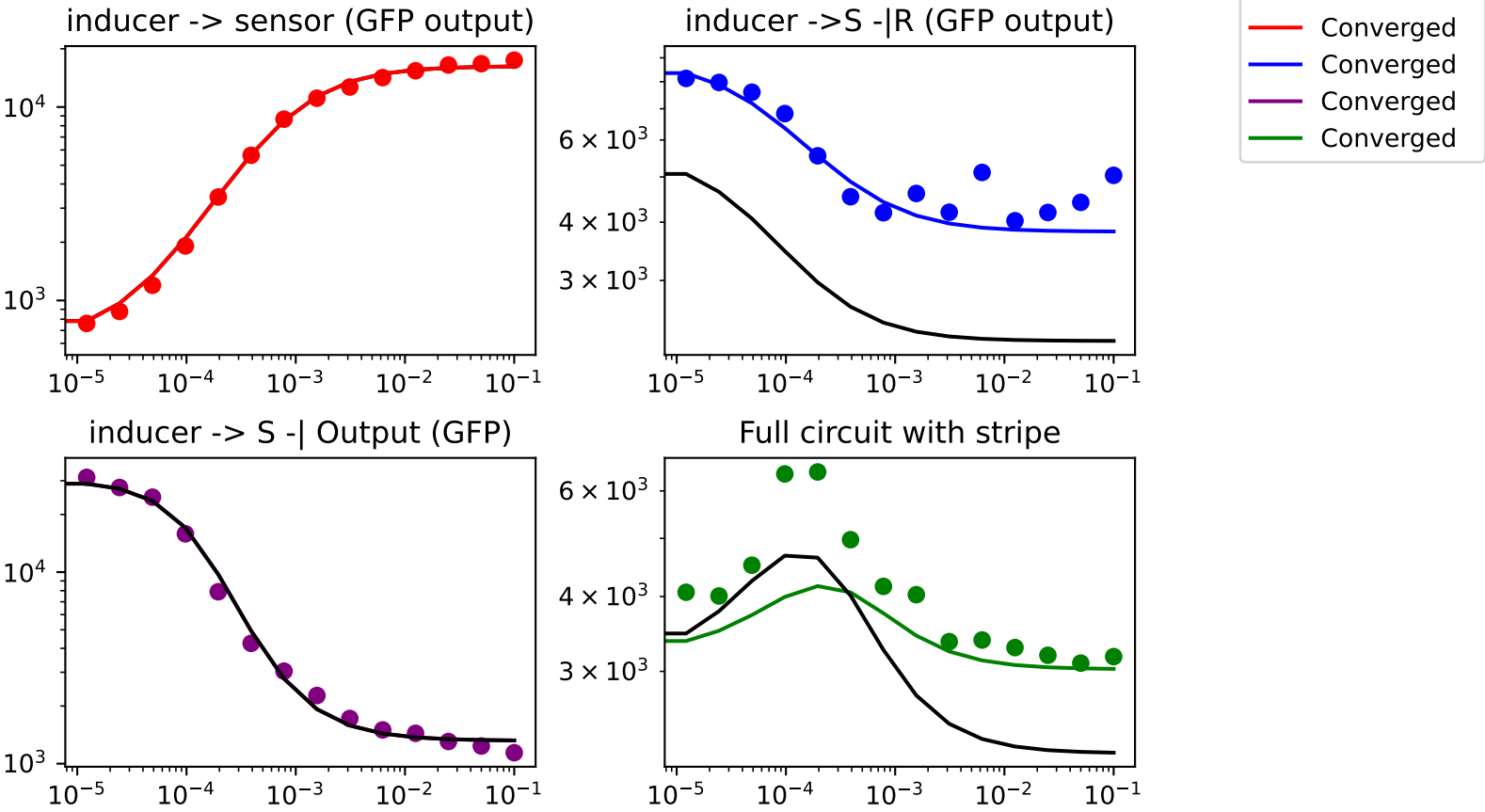
Across all four plots:

RSS (converged)=0.204

RSS (initial)=1.397

RSS (% reduction)=0.872

	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	181.361665	1916.175610	2097.537275
Br	3029.768196	18874.240800	21904.008996
Cr	-0.001265	0.009030	0.007765
Nr	-0.311506	0.820433	0.508927
Ah	0.000000	683.835638	683.835638
Bh	0.000000	32464.380200	32464.380200
Ch	0.000000	0.000473	0.000473
Fo	1.629946	2.821352	4.451298
Ao	0.000000	0.632148	0.632148
Bo	0.000000	0.972768	0.972768
Co	0.000000	2.640174	2.640174
No	0.000000	1.919339	1.919339

message: Maximum number of iterations has been exceeded.
success: False
 status: 2
    fun: 0.2043319657987268
      x: [6.180e+02 1.628e+04 ... 2.640e+00 1.919e+00]
    nit: 100
   nfev: 129
final_simplex: (array([[6.180e+02, 1.628e+04, ..., 2.640e+00,
          1.919e+00],
        [6.180e+02, 1.628e+04, ..., 2.640e+00,
          1.919e+00],
        ...,
        [6.180e+02, 1.628e+04, ..., 2.640e+00,
          1.919e+00],
        [6.180e+02, 1.628e+04, ..., 2.640e+00,
          1.919e+00]]), array([2.043e-01, 2.286e-01, ..., 3.826e-01, 3.960e-01]))