['SM data type data plots for mutation', 'Regulator10', 'using model:', 'model_hill']

Legend:
- Initial Guess (black)
- Converged (red)
- Converged (blue)
- Converged (purple)
- Converged (green)

Plots:
- inducer -> sensor (GFP output)
- inducer ->S -|R (GFP output)
- inducer -> S -| Output (GFP)
- Full circuit with stripe
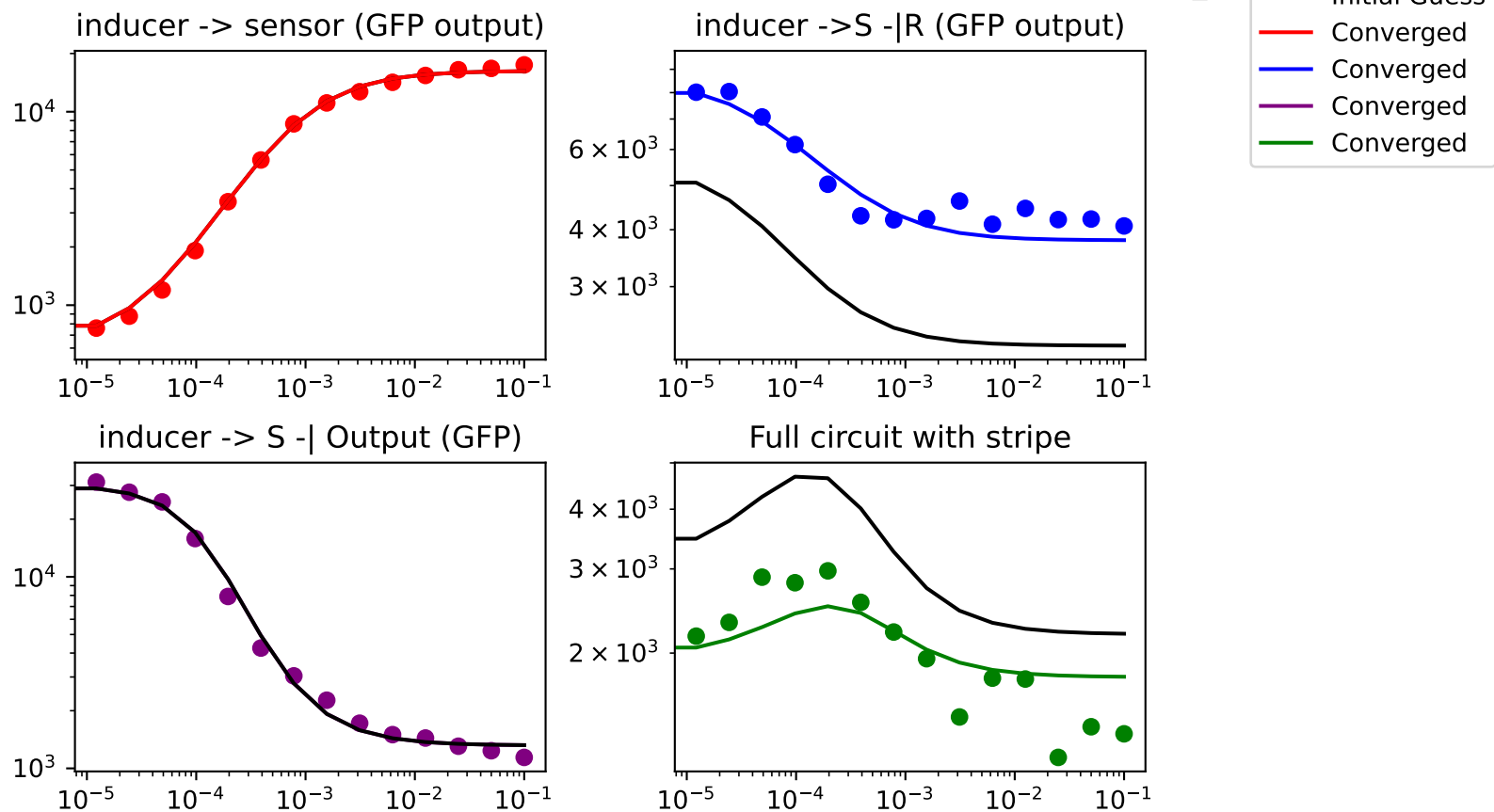
Across all four plots:

RSS (converged)=0.156

RSS (initial)=1.547

RSS (% reduction)=0.908

	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	277.007403	1916.175610	2193.183013
Br	1849.650647	18874.240800	20723.891447
Cr	-0.000735	0.009030	0.008295
Nr	-0.314391	0.820433	0.506042
Ah	0.000000	683.835638	683.835638
Bh	0.000000	32464.380200	32464.380200
Ch	0.000000	0.000473	0.000473
Fo	-0.204005	2.821352	2.617347
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: 0.15626326225846754
      x: [6.180e+02 1.628e+04 ... 2.640e+00 1.919e+00]
    nit: 100
   nfev: 148
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([1.563e-01, 1.589e-01, ..., 1.627e-01, 1.628e-01]))