['SM data type data plots for mutation', 'Sensor2', 'using model:', 'model_hill']

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

inducer -> sensor (GFP output)

inducer ->S -|R (GFP output)

inducer -> S -| Output (GFP)

Full circuit with stripe
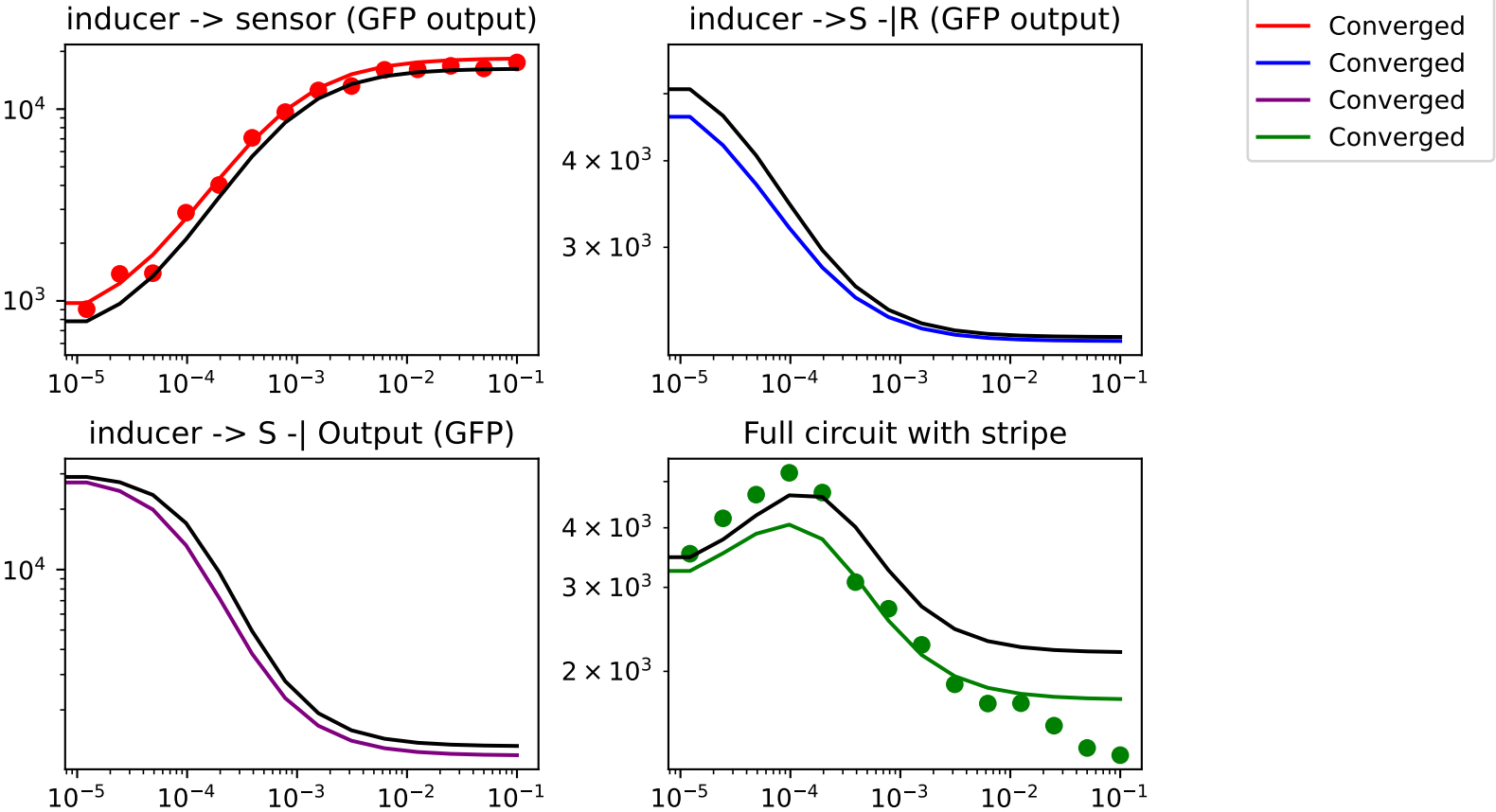
Across all four plots:

RSS (converged)=0.103

RSS (initial)=0.284

RSS (% reduction)=0.733

	epsilon	Initial_guesses	Converged
As	100.146944	618.047086	718.194030
Bs	2170.307257	16278.856600	18449.163857
Cs	61.551909	1300.653790	1362.205699
Ns	-0.065833	1.096541	1.030708
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	0.000000	683.835638	683.835638
Bh	0.000000	32464.380200	32464.380200
Ch	0.000000	0.000473	0.000473
Fo	-0.405861	2.821352	2.415491
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: 0.10324020070436227
      x: [7.182e+02 1.845e+04 ... 2.640e+00 1.919e+00]
    nit: 100
   nfev: 146
final_simplex: (array([[7.182e+02, 1.845e+04, ..., 2.640e+00,
          1.919e+00],
        [7.151e+02, 1.822e+04, ..., 2.640e+00,
          1.919e+00],
        ...,
        [6.919e+02, 1.814e+04, ..., 2.640e+00,
          1.919e+00],
        [6.931e+02, 1.813e+04, ..., 2.640e+00,
          1.919e+00]]), array([1.032e-01, 1.033e-01, ..., 1.074e-01, 1.077e-01]))