['SM data type data plots for mutation', 'Output4', '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
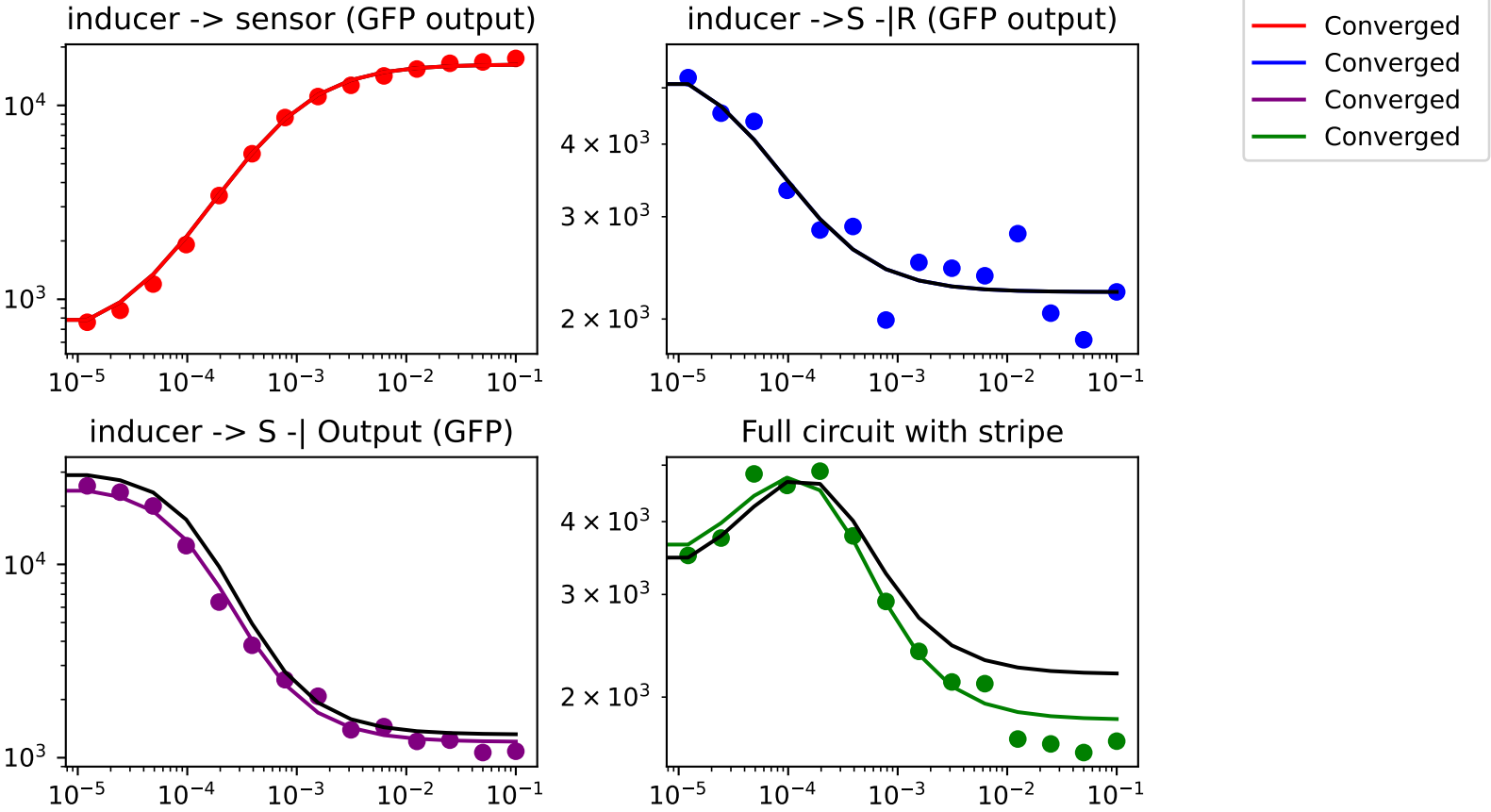
Across all four plots:

RSS (converged)=0.085

RSS (initial)=0.232

RSS (% reduction)=0.733

	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	-51.265486	683.835638	632.570152
Bh	-4140.486984	32464.380200	28323.893216
Ch	0.000062	0.000473	0.000535
Fo	-0.465071	2.821352	2.356281
Ao	-0.039650	0.632148	0.592498
Bo	0.110550	0.972768	1.083318
Co	-0.568372	2.640174	2.071802
No	-0.127518	1.919339	1.791821

message: Maximum number of iterations has been exceeded.
success: False
status: 2
    fun: 0.08459291124441849
      x: [6.180e+02 1.628e+04 ... 2.072e+00 1.792e+00]
    nit: 100
   nfev: 136
final_simplex: (array([[6.180e+02, 1.628e+04, ..., 2.072e+00,
         1.792e+00],
       [6.180e+02, 1.628e+04, ..., 2.065e+00,
         1.802e+00],
       ...,
       [6.180e+02, 1.628e+04, ..., 2.284e+00,
         1.852e+00],
       [6.180e+02, 1.628e+04, ..., 2.195e+00,
         1.847e+00]]), array([8.459e-02, 8.606e-02, ..., 1.042e-01, 1.056e-01]))