['SM data type data plots for mutation', 'Output8', 'using model:', 'model_hill']

inducer -> sensor (GFP output)

inducer ->S -|R (GFP output)

inducer -> S -| Output (GFP)

Full circuit with stripe

Legend:
- Initial Guess (black)
- Converged (red)
- Converged (blue)
- Converged (purple)
- Converged (green)
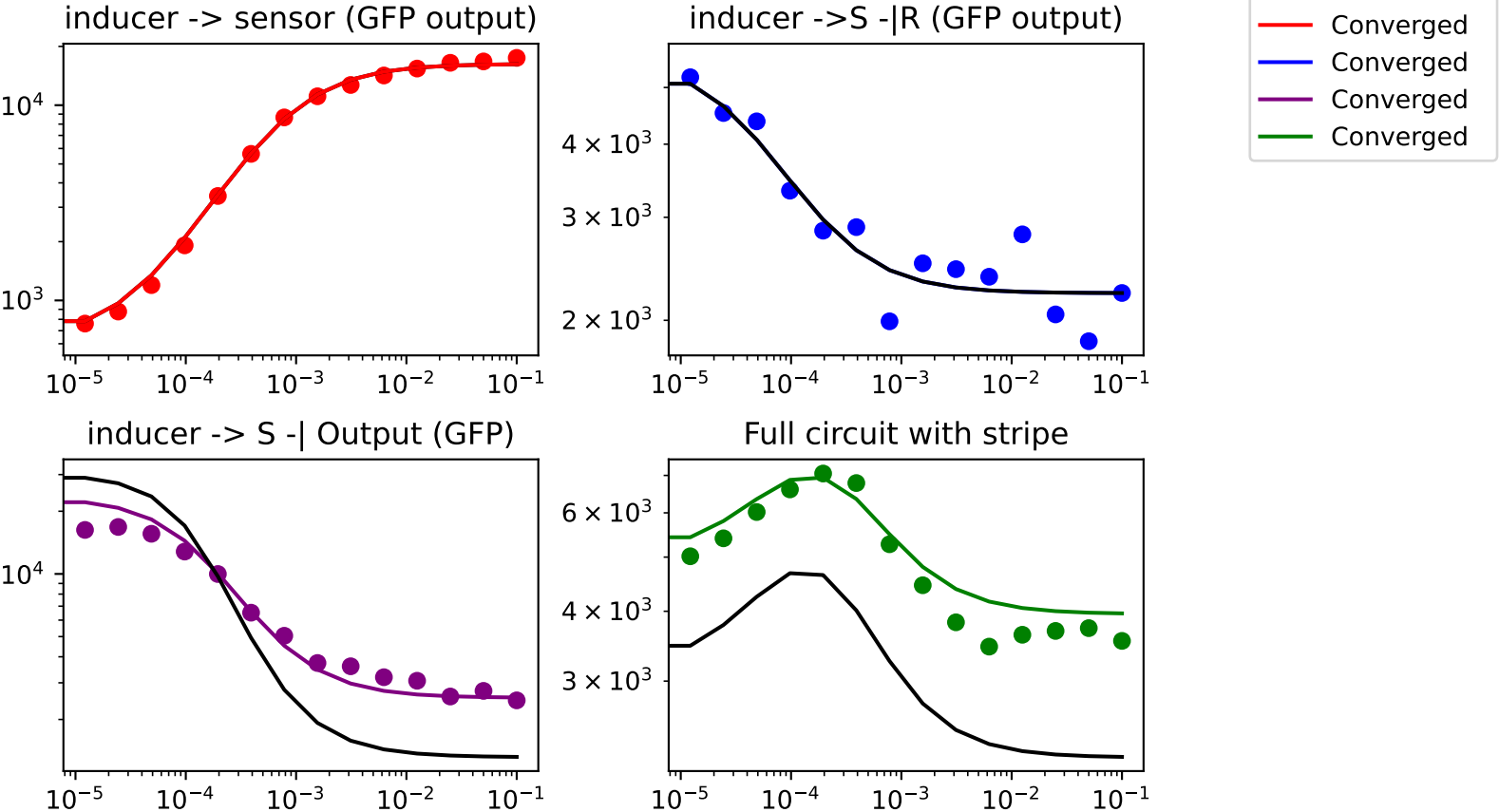
Across all four plots:

RSS (converged)=0.141

RSS (initial)=1.602

RSS (% reduction)=0.919

	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	190.885469	683.835638	874.721107
Bh	-5697.504011	32464.380200	26766.876189
Ch	-0.000005	0.000473	0.000468
Fo	-0.332216	2.821352	2.489136
Ao	0.007426	0.632148	0.639574
Bo	-0.015561	0.972768	0.957207
Co	0.373213	2.640174	3.013387
No	-0.583171	1.919339	1.336168

message: Maximum number of iterations has been exceeded.
success: False
status: 2
fun: 0.14149770889792357
x: [6.180e+02 1.628e+04 ... 3.013e+00 1.336e+00]
nit: 100
nfev: 139
final_simplex: (array([[6.180e+02, 1.628e+04, ..., 3.013e+00,
          1.336e+00],
       [6.180e+02, 1.628e+04, ..., 3.029e+00,
          1.353e+00],
       ...,
       [6.180e+02, 1.628e+04, ..., 2.907e+00,
          1.377e+00],
       [6.180e+02, 1.628e+04, ..., 2.861e+00,
          1.409e+00]]), array([1.415e-01, 1.474e-01, ..., 2.706e-01, 2.743e-01]))