['SM data type data plots for mutation', 'Sensor7', '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
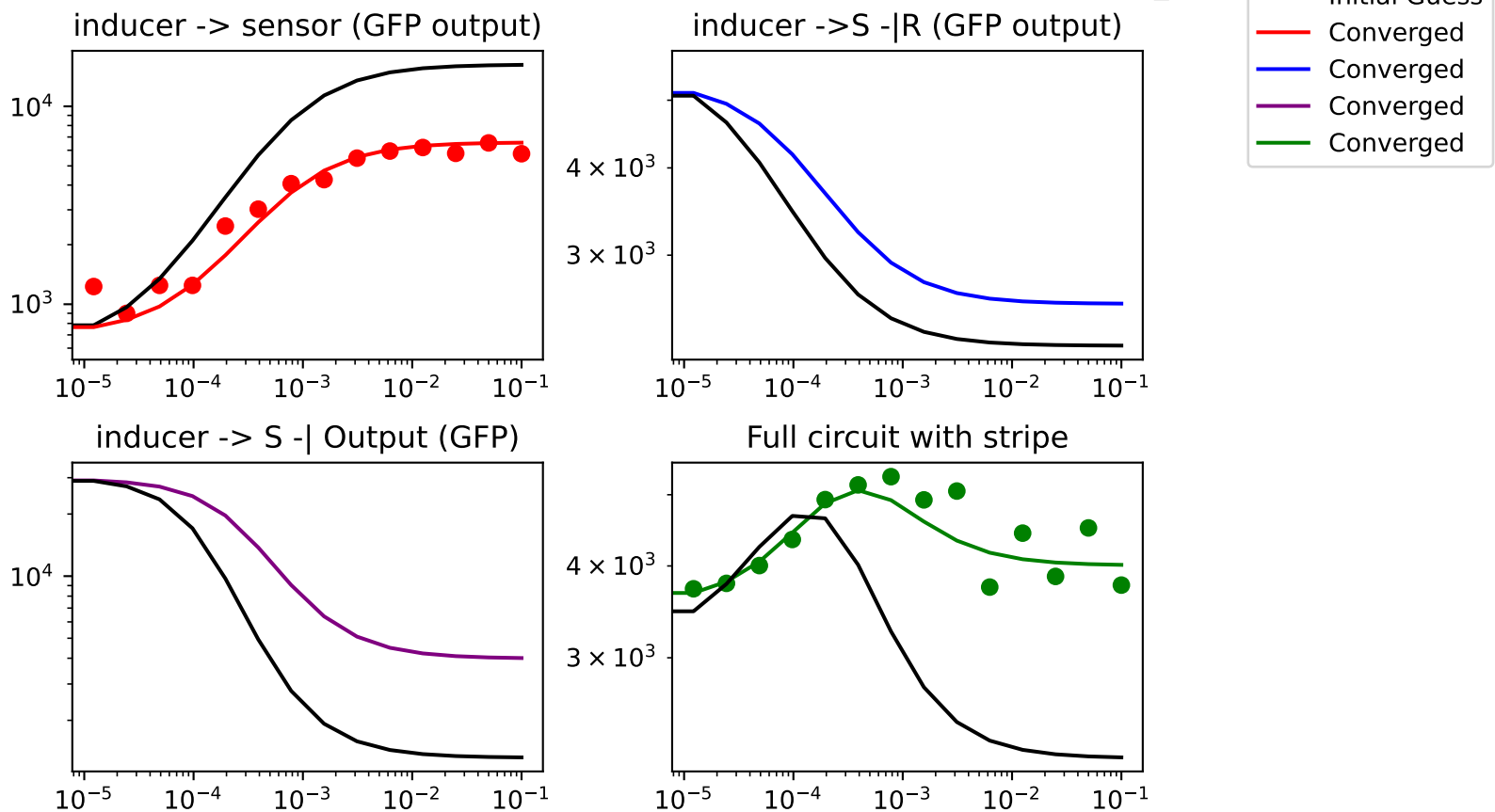
Across all four plots:

RSS (converged)=0.111

RSS (initial)=2.076

RSS (% reduction)=0.949

	epsilon	Initial_guesses	Converged
As	87.442470	618.047086	705.489556
Bs	-9699.249619	16278.856600	6579.606981
Cs	-0.512360	1300.653790	1300.141430
Ns	0.005088	1.096541	1.101629
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	0.194277	2.821352	3.015629
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: 0.11086112606098505
x: [7.055e+02 6.580e+03 ... 2.640e+00 1.919e+00]
nit: 100
nfev: 146
final_simplex: (array([[7.055e+02, 6.580e+03, ..., 2.640e+00,
        1.919e+00],
       [6.858e+02, 6.473e+03, ..., 2.640e+00,
        1.919e+00],
       ...,
       [6.672e+02, 6.393e+03, ..., 2.640e+00,
        1.919e+00],
       [6.655e+02, 7.273e+03, ..., 2.640e+00,
        1.919e+00]]), array([1.109e-01, 1.301e-01, ..., 1.468e-01, 1.475e-01]))