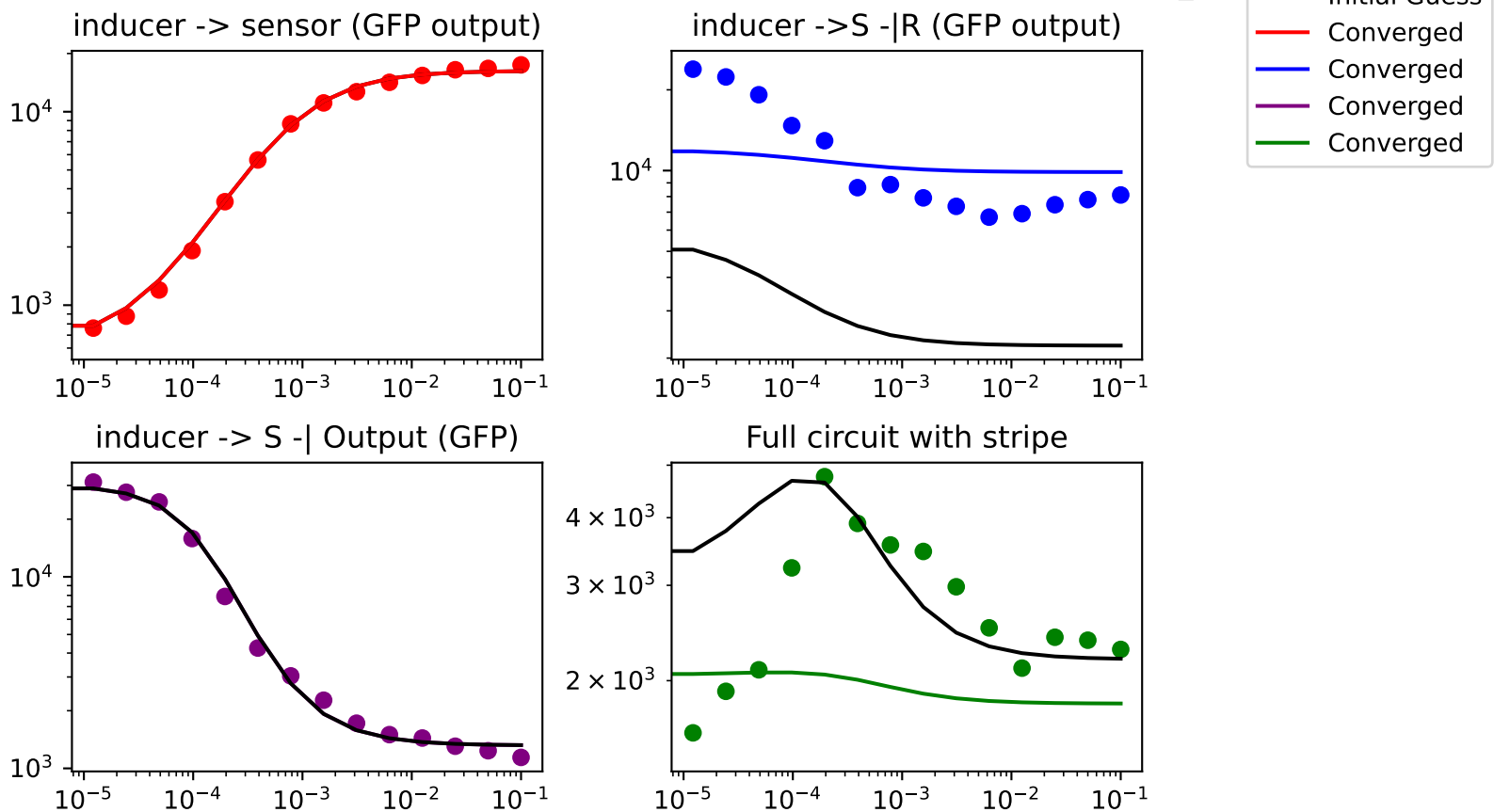


['SM data type data plots for mutation', 'Regulator1', 'using model:', 'model_hill']



Across all four plots:

RSS (converged)=1.045

RSS (initial)=5.561

RSS (% reduction)=0.842

	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	397.089507	1916.175610	2313.265117
Br	2641.881186	18874.240800	21516.121986
Cr	-0.000275	0.009030	0.008755
Nr	-0.696781	0.820433	0.123652
Ah	0.000000	683.835638	683.835638
Bh	0.000000	32464.380200	32464.380200
Ch	0.000000	0.000473	0.000473
Fo	0.586770	2.821352	3.408122
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: 1.0453380490872861
x: [6.180e+02 1.628e+04 ... 2.640e+00 1.919e+00]
nit: 100
nfev: 140
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([1.045e+00, 1.089e+00, ..., 1.162e+00, 1.174e+00]))