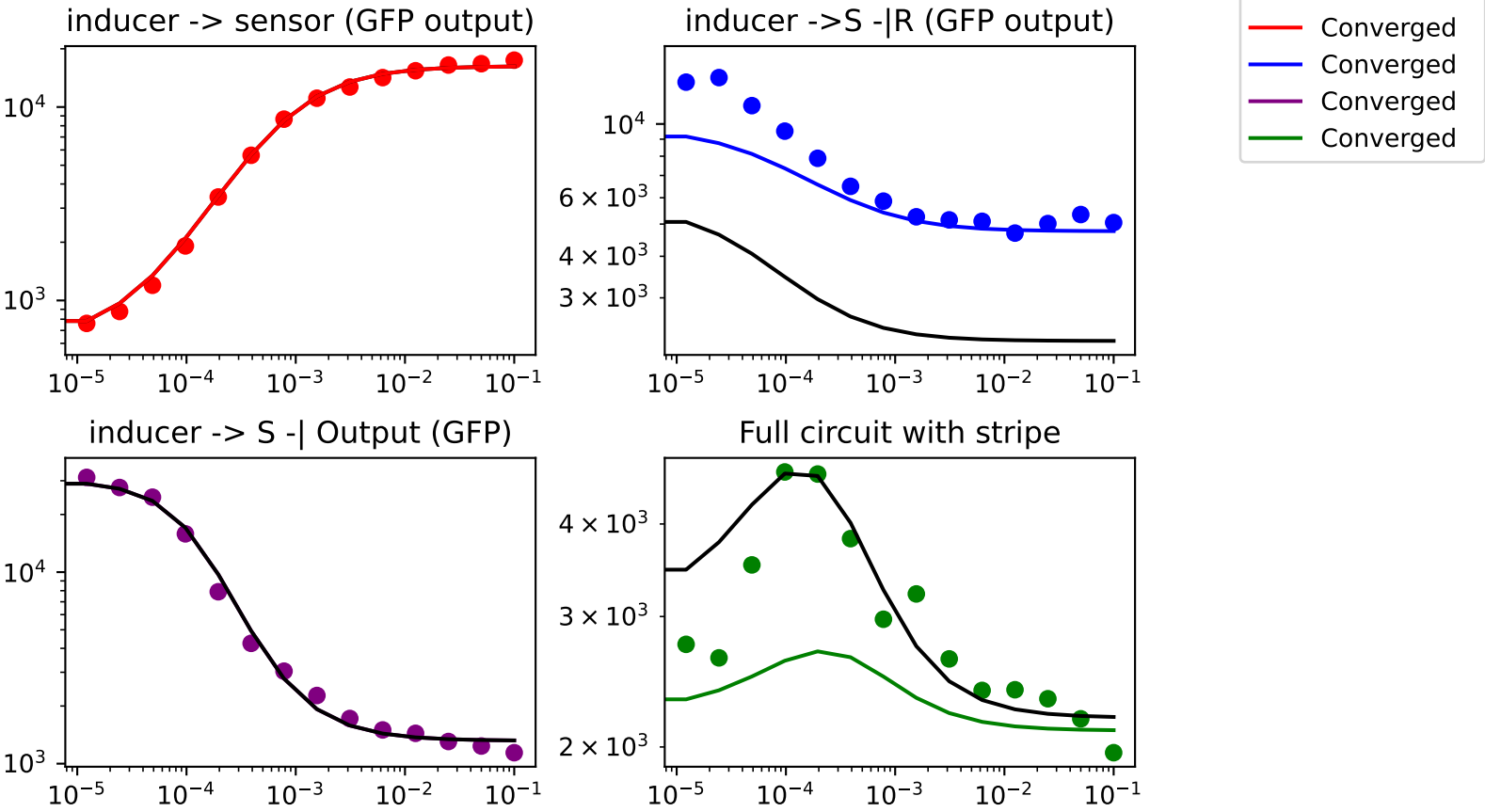


['SM data type data plots for mutation', 'Regulator3', 'using model:', 'model_hill']



Across all four plots:

RSS (converged)=0.419

RSS (initial)=2.443

RSS (% reduction)=0.854

	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	500.626621	1916.175610	2416.802231
Br	2739.521676	18874.240800	21613.762476
Cr	-0.001183	0.009030	0.007847
Nr	-0.385821	0.820433	0.434612
Ah	0.000000	683.835638	683.835638
Bh	0.000000	32464.380200	32464.380200
Ch	0.000000	0.000473	0.000473
Fo	0.464576	2.821352	3.285928
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: 0.4191067553439456
x: [6.180e+02 1.628e+04 ... 2.640e+00 1.919e+00]
nit: 100
nfev: 137
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([4.191e-01, 4.500e-01, ..., 5.378e-01, 5.511e-01]))