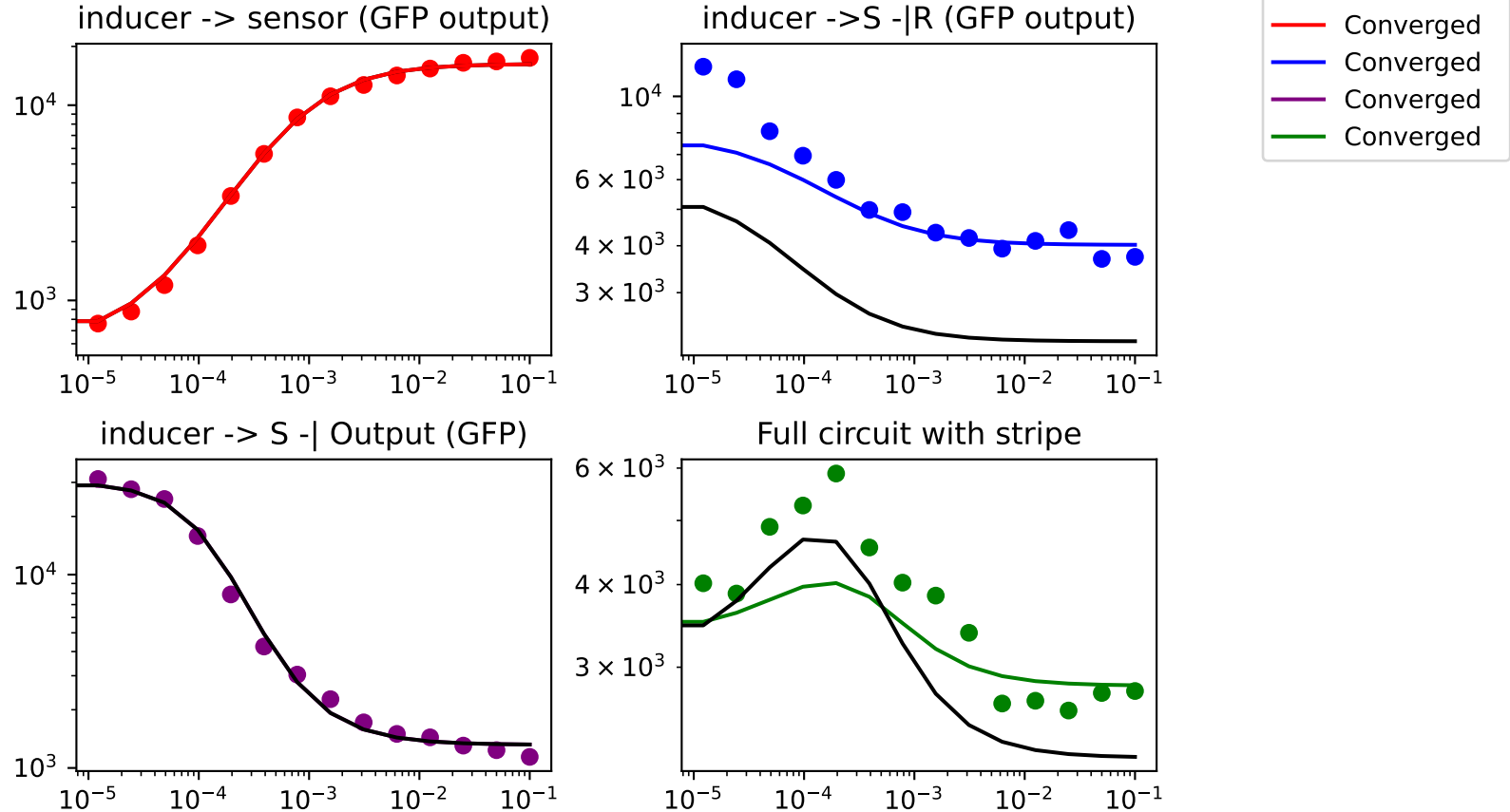


['SM data type data plots for mutation', 'Regulator4', 'using model:', 'model\_hill']



Across all four plots:

RSS (converged)=0.274

RSS (initial)=1.462

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	427.990837	1916.175610	2344.166447
Br	-2434.490775	18874.240800	16439.750025
Cr	-0.001276	0.009030	0.007754
Nr	-0.370677	0.820433	0.449756
Ah	0.000000	683.835638	683.835638
Bh	0.000000	32464.380200	32464.380200
Ch	0.000000	0.000473	0.000473
Fo	1.375607	2.821352	4.196959
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: 0.2737244442908555  
x: [ 6.180e+02 1.628e+04 ... 2.640e+00 1.919e+00]  
nit: 100  
nfev: 133  
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([ 2.737e-01, 3.193e-01, ..., 4.377e-01, 4.379e-01]))