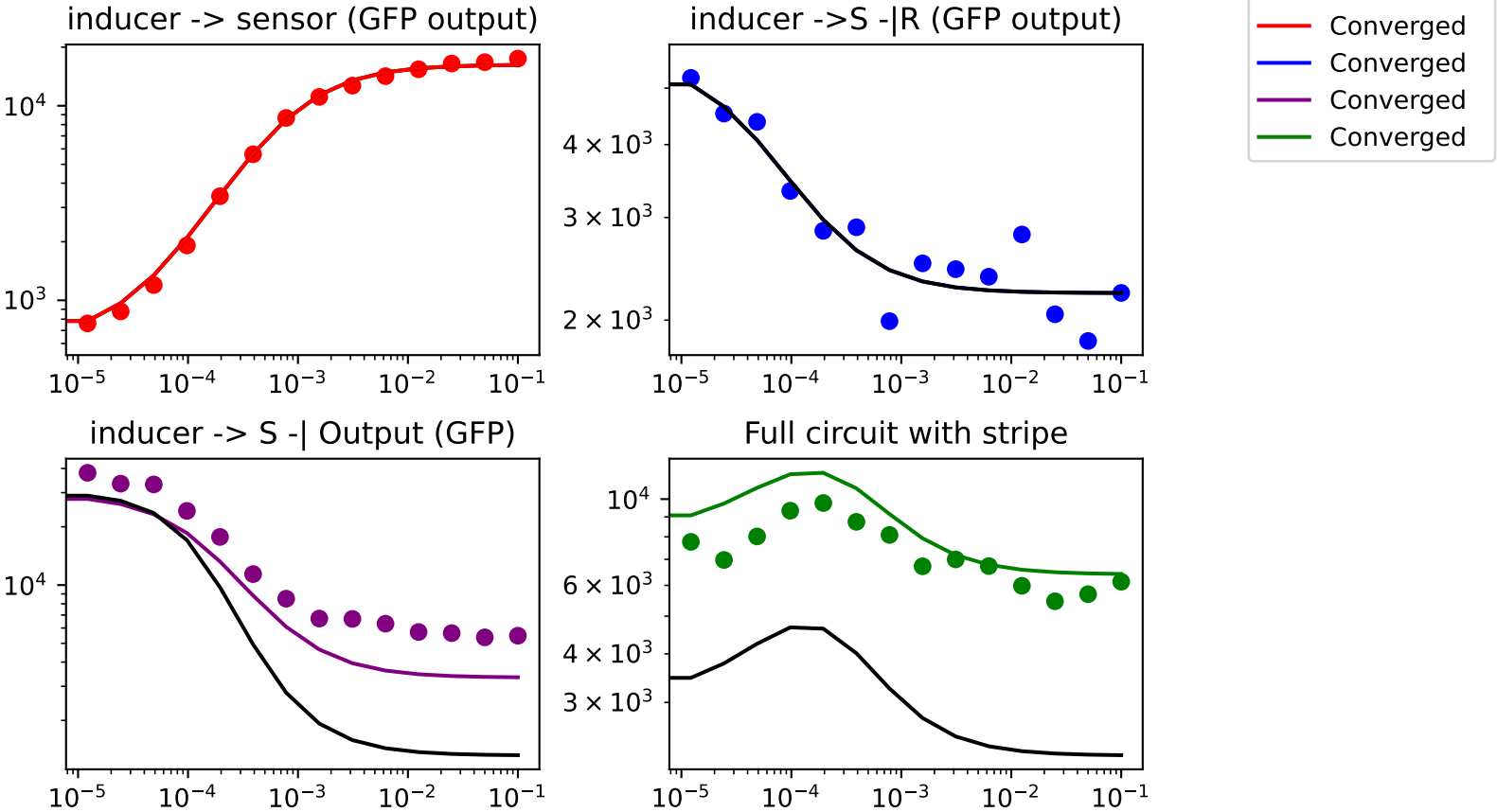# ['SM data type data plots for mutation', 'Output2', 'using model:', 'model_hill']

Across all four plots:

RSS (converged)=0.58

RSS (initial)=5.315

RSS (% reduction)=0.902

	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	52.689877	683.835638	736.525515
Bh	1939.711594	32464.380200	34404.091794
Ch	-0.000023	0.000473	0.000450
Fo	0.155769	2.821352	2.977121
Ao	0.014787	0.632148	0.646935
Bo	-0.004634	0.972768	0.968134
Co	0.340955	2.640174	2.981129
No	-0.660093	1.919339	1.259246

message: Maximum number of iterations has been exceeded.
success: False
status: 2
    fun: 0.5802069859853585
      x: [6.180e+02 1.628e+04 ... 2.981e+00 1.259e+00]
    nit: 100
   nfev: 143
final_simplex: (array([[6.180e+02, 1.628e+04, ..., 2.981e+00,
         1.259e+00],
       [6.180e+02, 1.628e+04, ..., 2.962e+00,
         1.241e+00],
       ...,
       [6.180e+02, 1.628e+04, ..., 2.814e+00,
         1.282e+00],
       [6.180e+02, 1.628e+04, ..., 2.818e+00,
         1.297e+00]]), array([5.802e-01, 5.982e-01, ..., 7.188e-01, 7.280e-01]))