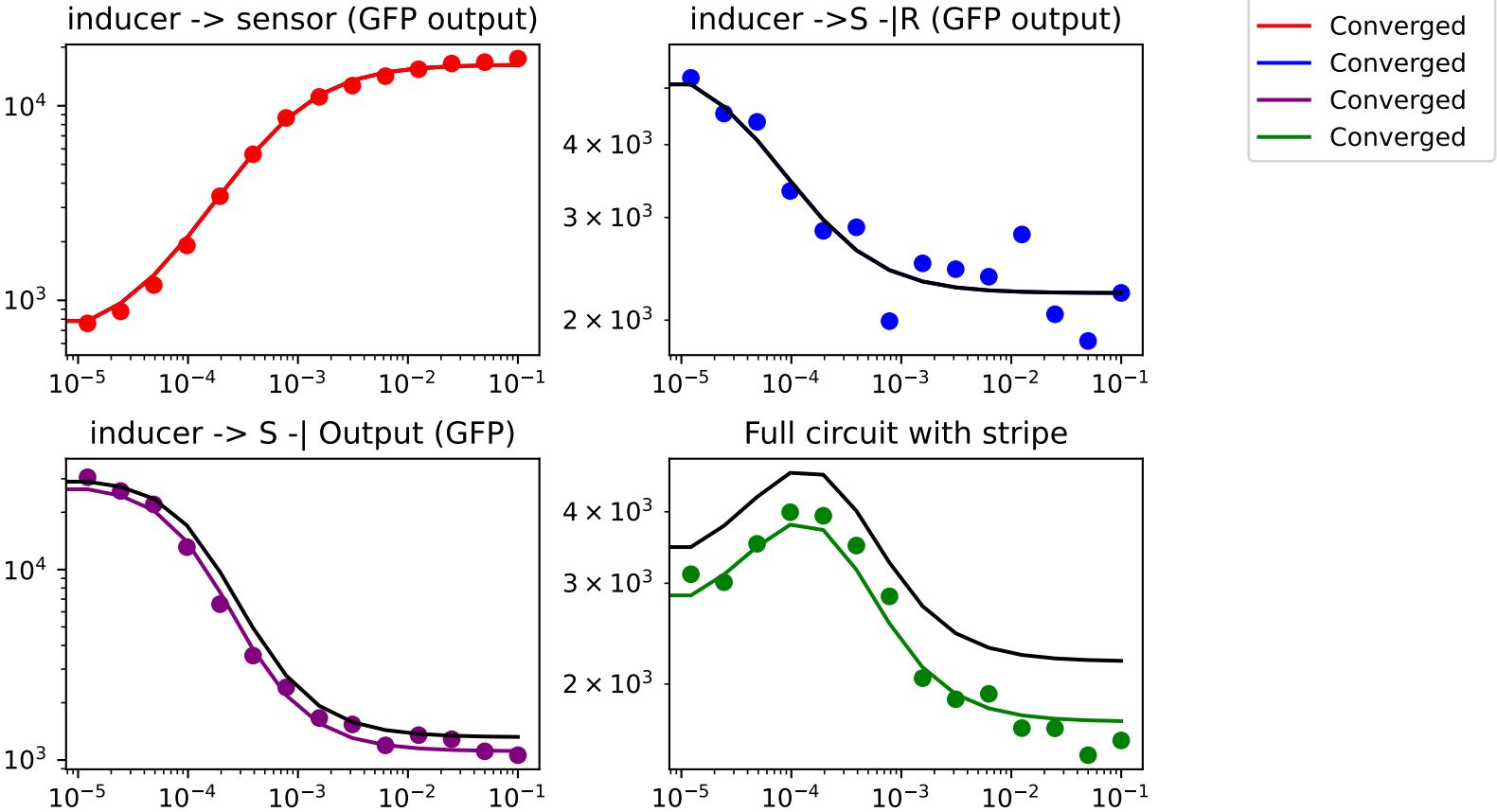**['SM data type data plots for mutation', 'Output6', 'using model:', 'model_hill']**

Across all four plots:

RSS (converged)=0.089

RSS (initial)=0.3

RSS (% reduction)=0.77

	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	-33.697871	683.835638	650.137767
Bh	-1574.455277	32464.380200	30889.924923
Ch	0.000076	0.000473	0.000549
Fo	-0.031495	2.821352	2.789857
Ao	-0.082178	0.632148	0.549970
Bo	-0.008700	0.972768	0.964068
Co	-0.209430	2.640174	2.430744
No	-0.006672	1.919339	1.912667

message: Maximum number of iterations has been exceeded.
success: False
status: 2
fun: 0.08942919023790676
x: [6.180e+02 1.628e+04 ... 2.431e+00 1.913e+00]
nit: 100
nfev: 145
final_simplex: (array([[6.180e+02, 1.628e+04, ..., 2.431e+00,
         1.913e+00],
       [6.180e+02, 1.628e+04, ..., 2.504e+00,
         1.950e+00],
       ...,
       [6.180e+02, 1.628e+04, ..., 2.563e+00,
         1.949e+00],
       [6.180e+02, 1.628e+04, ..., 2.550e+00,
         1.940e+00]]), array([8.943e-02, 9.149e-02, ..., 9.799e-02, 9.805e-02]))