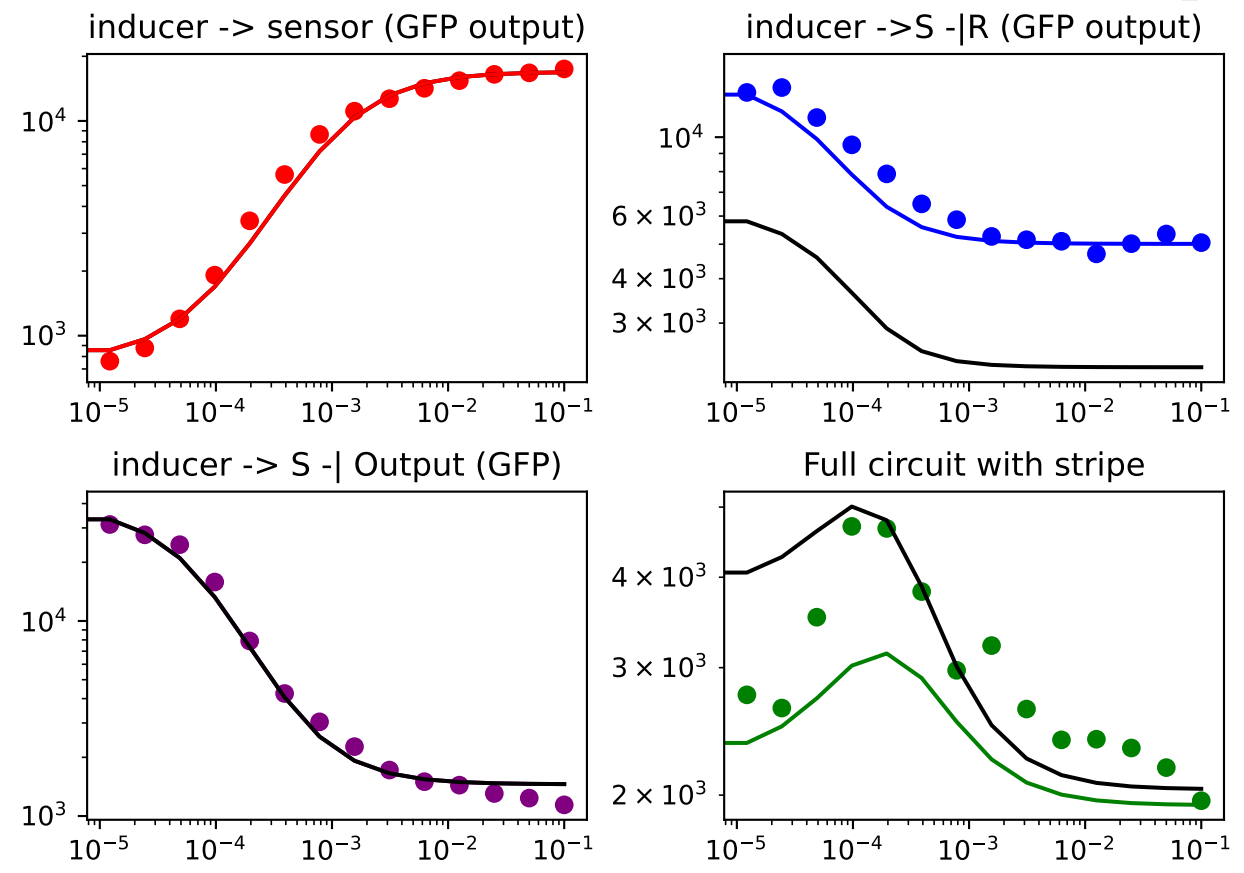


['SM data type data plots for mutation', 'Regulator3', 'using model:', 'model_hill.model_2']



Initial Guess
Converged
Converged
Converged
Converged

time elapsed for this fit
--- 365.161913394928 seconds ---

Across all four plots:

RSS (converged)=0.282

RSS (initial)=2.401

RSS (% reduction)=0.895

	epsilon	Initial guesses	Converged
A_s	0.000000e+00	7.671584e+02	7.671584e+02
B_s	0.000000e+00	1.694202e+04	1.694202e+04
C_s	0.000000e+00	8.969736e+02	8.969736e+02
N_s	0.000000e+00	1.151182e+00	1.151182e+00
A_r	2.692200e+03	2.229804e+03	4.922004e+03
B_r	1.162425e+11	8.961652e+03	1.162425e+11
C_r	5.843434e+01	1.461384e-03	5.843581e+01
N_r	-3.199413e-01	1.841235e+00	1.521294e+00
A_o	0.000000e+00	9.859837e+02	9.859837e+02
B_o	0.000000e+00	1.801530e+07	1.801530e+07
C_o	0.000000e+00	1.010522e-01	1.010522e-01
N_o	0.000000e+00	1.417996e+00	1.417996e+00
F_o	0.000000e+00	1.477611e+00	1.477611e+00

message: Maximum number of iterations has been exceeded.
success: False
status: 2
fun: 0.2817353484152031
x: [7.672e+02 1.694e+04 ... 1.418e+00 1.478e+00]
nit: 100000
nfev: 135548
final_simplex: (array([[7.672e+02, 1.694e+04, ..., 1.418e+00, 1.478e+00],
[7.672e+02, 1.694e+04, ..., 1.418e+00, 1.478e+00],
...,
[7.672e+02, 1.694e+04, ..., 1.418e+00, 1.478e+00],
[7.672e+02, 1.694e+04, ..., 1.418e+00, 1.478e+00]]), array([2.817e-01, 2.817e-01, ..., 2.817e-01, 2.817e-01]))