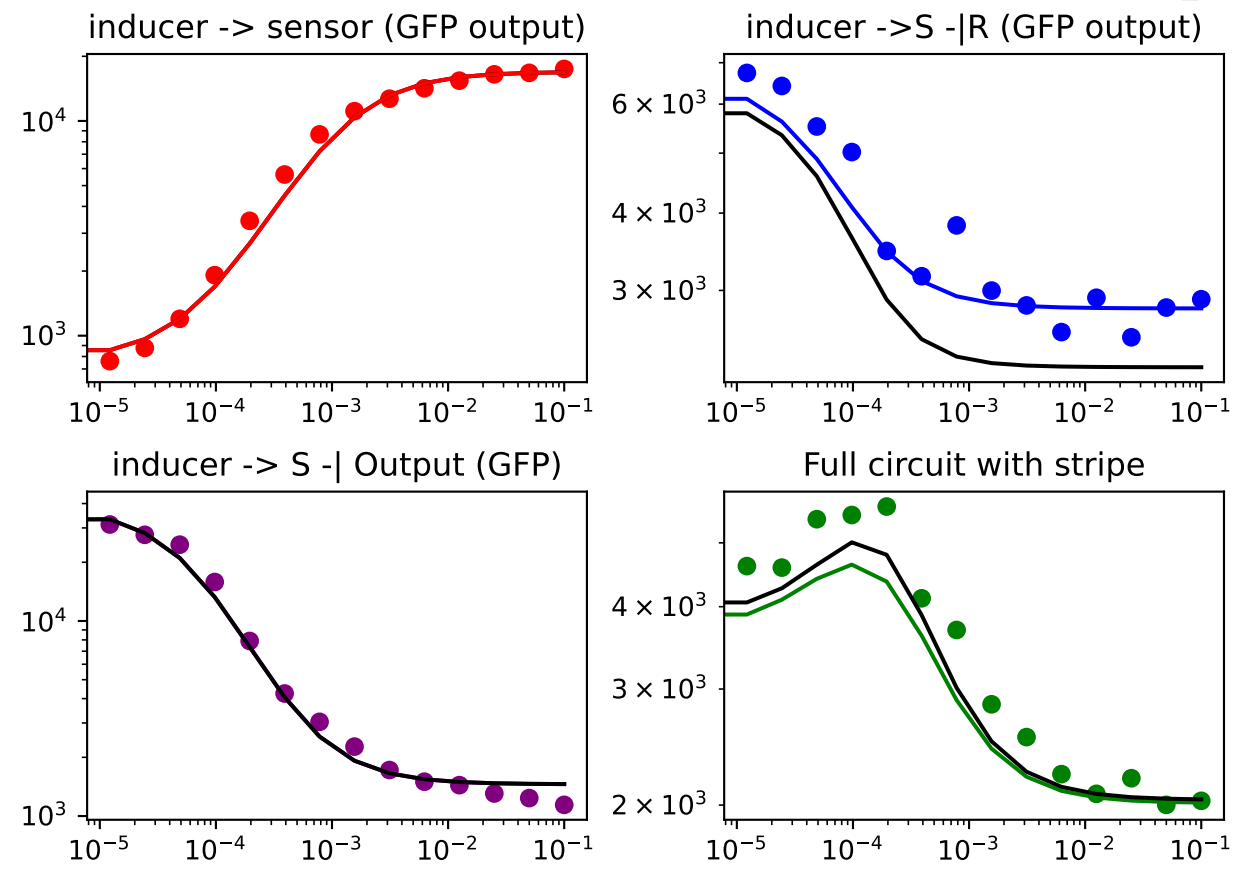


['SM data type data plots for mutation', 'Regulator8', 'using model:', 'model_hill.model_2']



- Initial Guess
- Converged
- Converged
- Converged
- Converged

time elapsed for this fit
--- 272.6839907169342 seconds ---

Across all four plots:

RSS (converged)=0.178

RSS (initial)=0.278

RSS (% reduction)=0.61

	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	5.158649e+02	2.229804e+03	2.745669e+03
B_r	9.988869e+10	8.961652e+03	9.988870e+10
C_r	4.005903e+02	1.461384e-03	4.005917e+02
N_r	-4.914605e-01	1.841235e+00	1.349775e+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: 0.17809920023171708
x: [7.672e+02 1.694e+04 ... 1.418e+00 1.478e+00]
nit: 100000
nfev: 135259
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([1.781e-01, 1.781e-01, ..., 1.781e-01, 1.781e-01]))