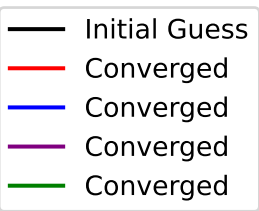
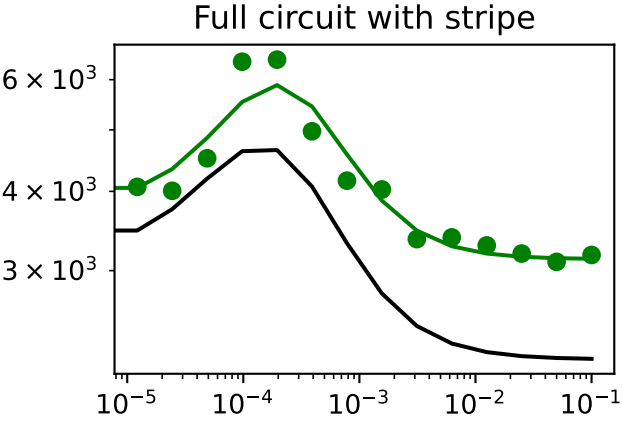
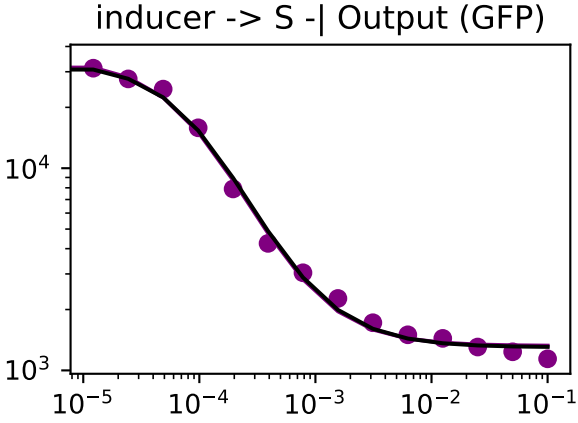
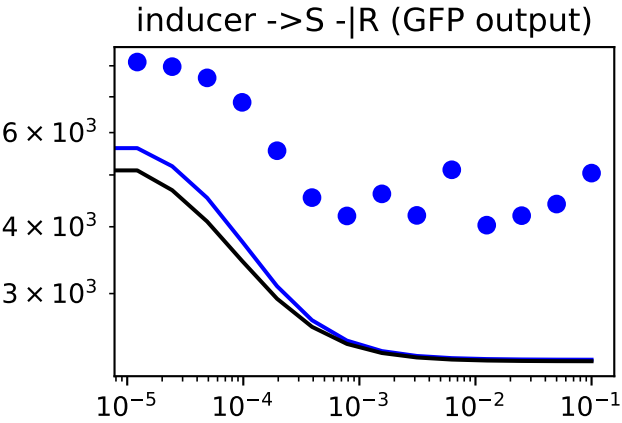
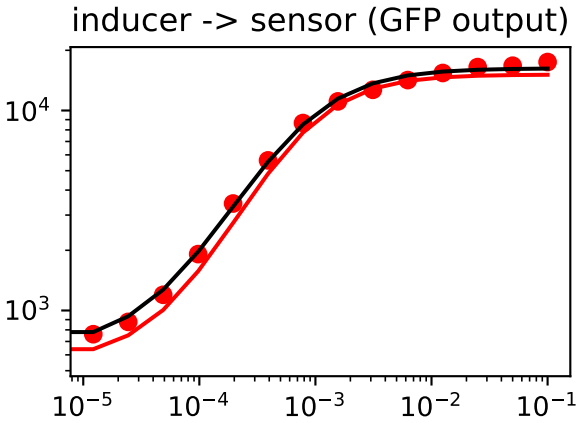


['SM data type data plots for mutation', 'Regulator2', 'using model:', 'model']



time elapsed for this fit
--- 49.95412993431091 seconds ---

Across all four plots:

RSS (converged)=1.078

RSS (initial)=1.38

RSS (% reduction)=0.561

	epsilon	Initial_guesses	Converged
A_s	-93.221531	650.714912	557.493381
B_s	-1135.496489	16259.979950	15124.483460
C_s	-40.585643	1296.448889	1255.863246
N_s	0.081475	1.154067	1.235542
A_r	0.000000	2020.019216	2020.019216
B_r	0.000000	23688.809187	23688.809187
C_r	0.000000	0.010358	0.010358
N_r	0.000000	0.910072	0.910072
A_h	-142.357595	143.802212	1.444617
B_h	24902.186108	50238.271408	75140.457517
C_h	0.001140	0.000929	0.002069
A_o	39.535445	1.673894	41.209339
B_o	-0.535011	0.895342	0.360331
C_o	0.184352	2.657699	2.842051
N_o	-0.211422	1.379953	1.168531
F_o	5.950765	2.361284	8.312049

message: Optimization terminated successfully.
success: True
status: 0
fun: 1.078270285895175
x: [5.575e+02 1.512e+04 ... 1.169e+00 8.312e+00]
nit: 18511
nfev: 24217
final_simplex: (array([[5.575e+02, 1.512e+04, ..., 1.169e+00, 8.312e+00],
[5.575e+02, 1.512e+04, ..., 1.169e+00, 8.312e+00],
[5.575e+02, 1.512e+04, ..., 1.169e+00, 8.312e+00],
...,
[5.575e+02, 1.512e+04, ..., 1.169e+00, 8.312e+00],
[5.575e+02, 1.512e+04, ..., 1.169e+00, 8.312e+00],
[5.575e+02, 1.512e+04, ..., 1.169e+00, 8.312e+00]]), array([1.078e+00, 1.078e+00, ..., 1.078e+00, 1.078e+00]))