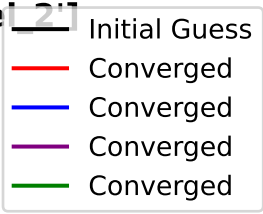
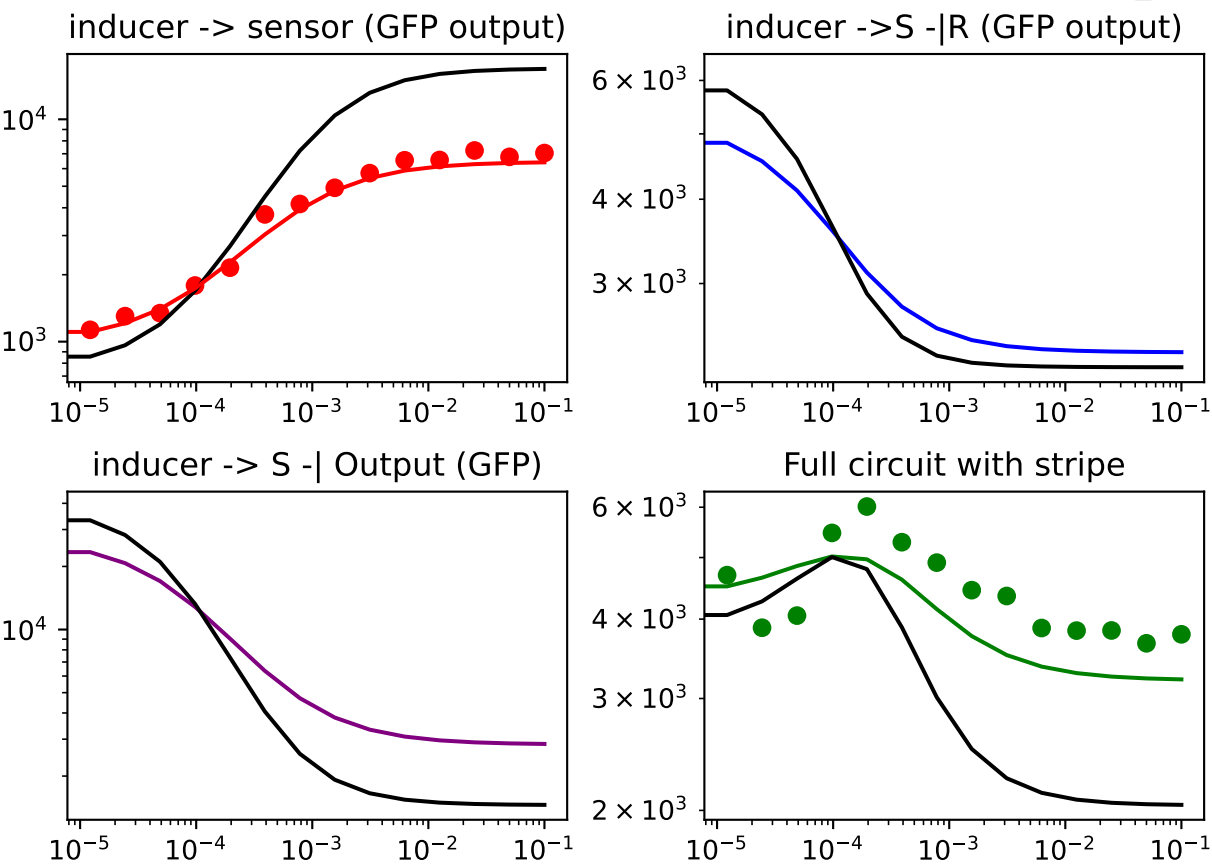


['SM data type data plots for mutation', 'Sensor6', 'using model:', 'model_hill.mode



time elapsed for this fit
--- 2.3706929683685303 seconds ---

Across all four plots:

RSS (converged)=0.087

RSS (initial)=1.639

RSS (% reduction)=0.95

	epsilon	Initial_guesses	Converged
A_s	224.811131	7.671584e+02	9.919695e+02
B_s	-10494.738818	1.694202e+04	6.447280e+03
C_s	603.840269	8.969736e+02	1.500814e+03
N_s	-0.189418	1.151182e+00	9.617639e-01
A_r	0.000000	2.229804e+03	2.229804e+03
B_r	0.000000	8.961652e+03	8.961652e+03
C_r	0.000000	1.461384e-03	1.461384e-03
N_r	0.000000	1.841235e+00	1.841235e+00
A_o	0.000000	9.859837e+02	9.859837e+02
B_o	0.000000	1.801530e+07	1.801530e+07
C_o	0.000000	1.010522e-01	1.010522e-01
N_o	0.000000	1.417996e+00	1.417996e+00
F_o	0.000000	1.477611e+00	1.477611e+00

message: Optimization terminated successfully.
success: True
status: 0
fun: 0.086714777993115805
x: [9.920e+02 6.447e+03 ... 1.418e+00 1.478e+00]
nit: 638
nfev: 1050
final_simplex: (array([[9.920e+02, 6.447e+03, ..., 1.418e+00, 1.478e+00],
[9.920e+02, 6.447e+03, ..., 1.418e+00, 1.478e+00],
...,
[9.920e+02, 6.447e+03, ..., 1.418e+00, 1.478e+00],
[9.920e+02, 6.447e+03, ..., 1.418e+00, 1.478e+00]]), array([8.671e-02, 8.671e-02, ..., 8.671e-02, 8.671e-02]))