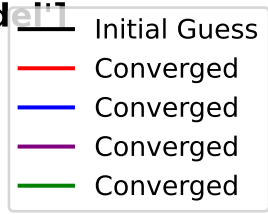
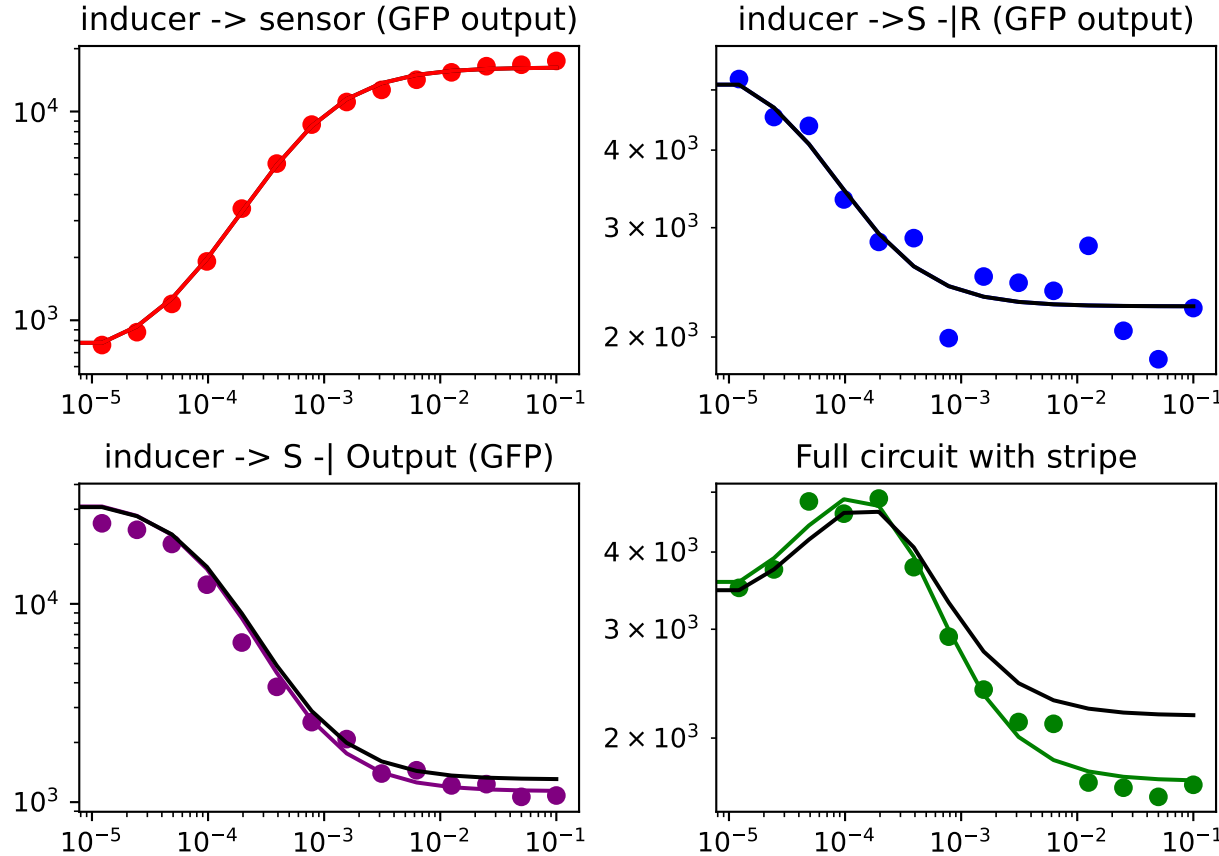


['SM data type data plots for mutation', 'Output4', 'using model:', 'model\_hill.modelfit']



time elapsed for this fit  
--- 1.900698184967041 seconds ---

Across all four plots:

RSS (converged)=0.114

RSS (initial)=0.21

RSS (% reduction)=0.649

	epsilon	Initial_guesses	Converged
A_s	0.000000	650.714912	650.714912
B_s	0.000000	16259.979950	16259.979950
C_s	0.000000	1296.448889	1296.448889
N_s	0.000000	1.154067	1.154067
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	0.000000	143.802212	143.802212
B_h	0.000000	50238.271408	50238.271408
C_h	0.000000	0.000929	0.000929
A_o	-1.326101	1.673894	0.347793
B_o	-0.009855	0.895342	0.885487
C_o	-0.422032	2.657699	2.235666
N_o	0.058438	1.379953	1.438390
F_o	0.256824	2.361284	2.618108

message: Optimization terminated successfully.  
success: True  
status: 0  
fun: 0.11397516181218215  
x: [ 6.507e+02 1.626e+04 ... 1.438e+00 2.618e+00]  
nit: 594  
nfev: 910  
final\_simplex: (array([[ 6.507e+02, 1.626e+04, ..., 1.438e+00, 2.618e+00],  
[ 6.507e+02, 1.626e+04, ..., 1.438e+00, 2.618e+00],  
...,  
[ 6.507e+02, 1.626e+04, ..., 1.438e+00, 2.618e+00],  
[ 6.507e+02, 1.626e+04, ..., 1.438e+00, 2.618e+00]]), array([ 1.140e-01, 1.140e-01, ..., 1.140e-01, 1.140e-01]))