inducer -> sensor (GFP output)
inducer ->S -|R (GFP output)
inducer -> S -| Output (GFP)
Full circuit with stripe

Initial Guess
Converged
Converged
Converged
Converged
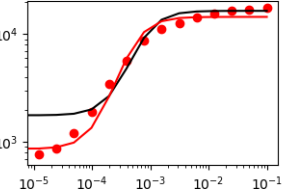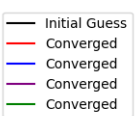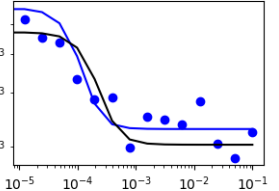
time elapsed for this fit
--- 52.89715242385864 seconds ---
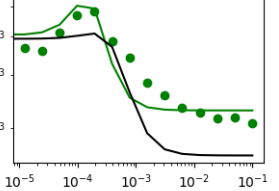
((0, None), (0, None), (0, None), (1, None), (0, None), (0, None), (0, 1), (0, None), (0, None), (0, None), (0, 1), (0, None), (0, None), (0, None))

Across all four plots:

RSS (converged)=0.345

RSS (initial)=3.007

RSS (% reduction)=0.897

	epsilon	Initial_guesses	Converged
P_b	-6.164850e-02	1.197726e-01	5.812409e-02
P_u	-1.194281e-06	1.194694e-06	4.128652e-10
K_12	3.110153e+05	7.162863e+03	3.181782e+05
C_pa	2.898695e+10	2.225626e+08	2.920951e+10
A_s	-8.548784e+02	1.653141e+04	1.567653e+04
P_r	-2.666900e+00	2.686546e+00	1.964556e-02
C_pt	1.323038e-01	3.412180e-02	1.664256e-01
K_t	-1.848427e-06	4.983487e-06	3.135059e-06
A_r	6.721642e+05	2.374190e+04	6.959061e+05
P_o	-3.050212e+02	3.062873e+02	1.266098e+00
C_pl	1.621539e-02	3.957436e-04	1.661113e-02
K_l	-1.636823e-06	2.884001e-06	1.247178e-06
A_o	5.945323e+04	6.279176e+03	6.573241e+04
F_o	5.895101e-01	8.632872e-01	1.452797e+00

message: Optimization terminated successfully.
success: True
status: 0
fun: 0.3450417436259683
x: [5.812e-02 4.129e-10 ... 6.573e+04 1.453e+00]
nit: 13191
nfev: 17641
final_simplex: (array([[5.812e-02, 4.129e-10, ..., 6.573e+04,
1.453e+00],
[5.812e-02, 4.129e-10, ..., 6.573e+04,
1.453e+00],
...,
[5.812e-02, 4.129e-10, ..., 6.573e+04,
1.453e+00],
[5.812e-02, 4.129e-10, ..., 6.573e+04,
1.453e+00]]), array([3.450e-01, 3.450e-01, ..., 3.450e-01, 3.450e-01]))