['SM data type data plots for mutation', 'Sensor10']

Legend:
- Initial Guess (black)
- Converged (red)
- Converged (blue)
- Converged (purple)
- Converged (green)
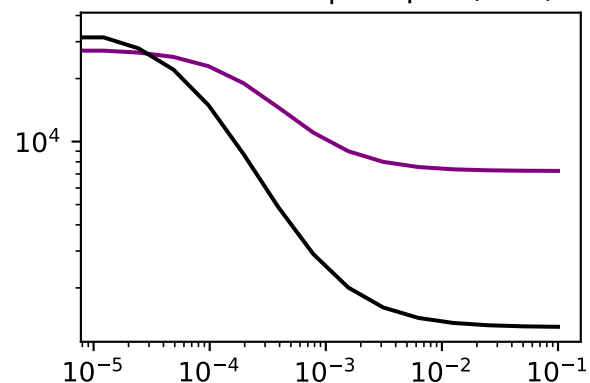
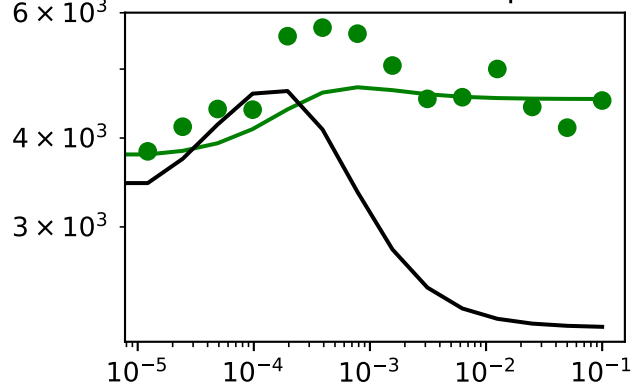**inducer -> sensor (GFP output)**
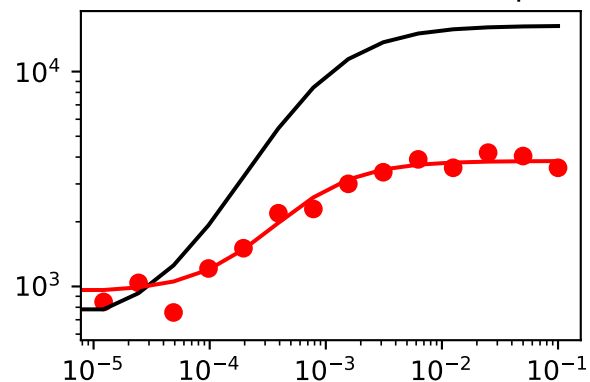
inducer ->S -|R (GFP output)
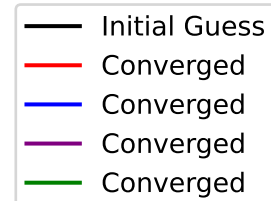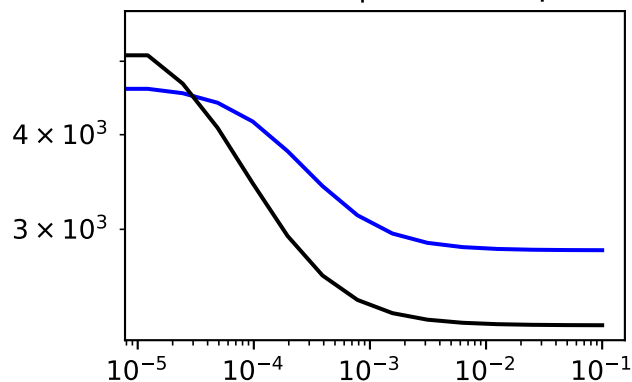
inducer -> S -| Output (GFP)

Full circuit with stripe

Across all four plots:

RSS (converged)=0.077

RSS (initial)=4.047

RSS (% reduction)=0.981

	epsilon	Initial_guesses	Converged
A_s	282.625842	6.599635e+02	9.425893e+02
B_s	-12510.294117	1.634714e+04	3.836845e+03
C_s	349.049857	1.259256e+03	1.608306e+03
N_s	0.102865	1.160440e+00	1.263305e+00
A_r	0.000000	1.998310e+03	1.998310e+03
B_r	0.000000	2.040009e+11	2.040009e+11
C_r	0.000000	2.771808e+06	2.771808e+06
N_r	0.000000	8.375226e-01	8.375226e-01
A_h	0.000000	5.477878e-06	5.477878e-06
B_h	0.000000	6.710814e+04	6.710814e+04
C_h	0.000000	1.412943e-03	1.412943e-03
A_o	0.000000	5.414338e+07	5.414338e+07
B_o	0.000000	2.126439e+00	2.126439e+00
C_o	0.000000	2.720605e+00	2.720605e+00
N_o	0.000000	1.250443e+00	1.250443e+00

message: Optimization terminated successfully.
success: True
 status: 0
    fun: 0.07687123533750058
      x: [9.426e+02 3.837e+03 ... 2.721e+00 1.250e+00]
    nit: 749
   nfev: 1198
final_simplex: (array([[9.426e+02, 3.837e+03, ..., 2.721e+00,
         1.250e+00],
       [9.426e+02, 3.837e+03, ..., 2.721e+00,
         1.250e+00],
       ...,
       [9.426e+02, 3.837e+03, ..., 2.721e+00,
         1.250e+00],
       [9.426e+02, 3.837e+03, ..., 2.721e+00,
         1.250e+00]]), array([7.687e-02, 7.687e-02, ..., 7.687e-02, 7.687e-02]))