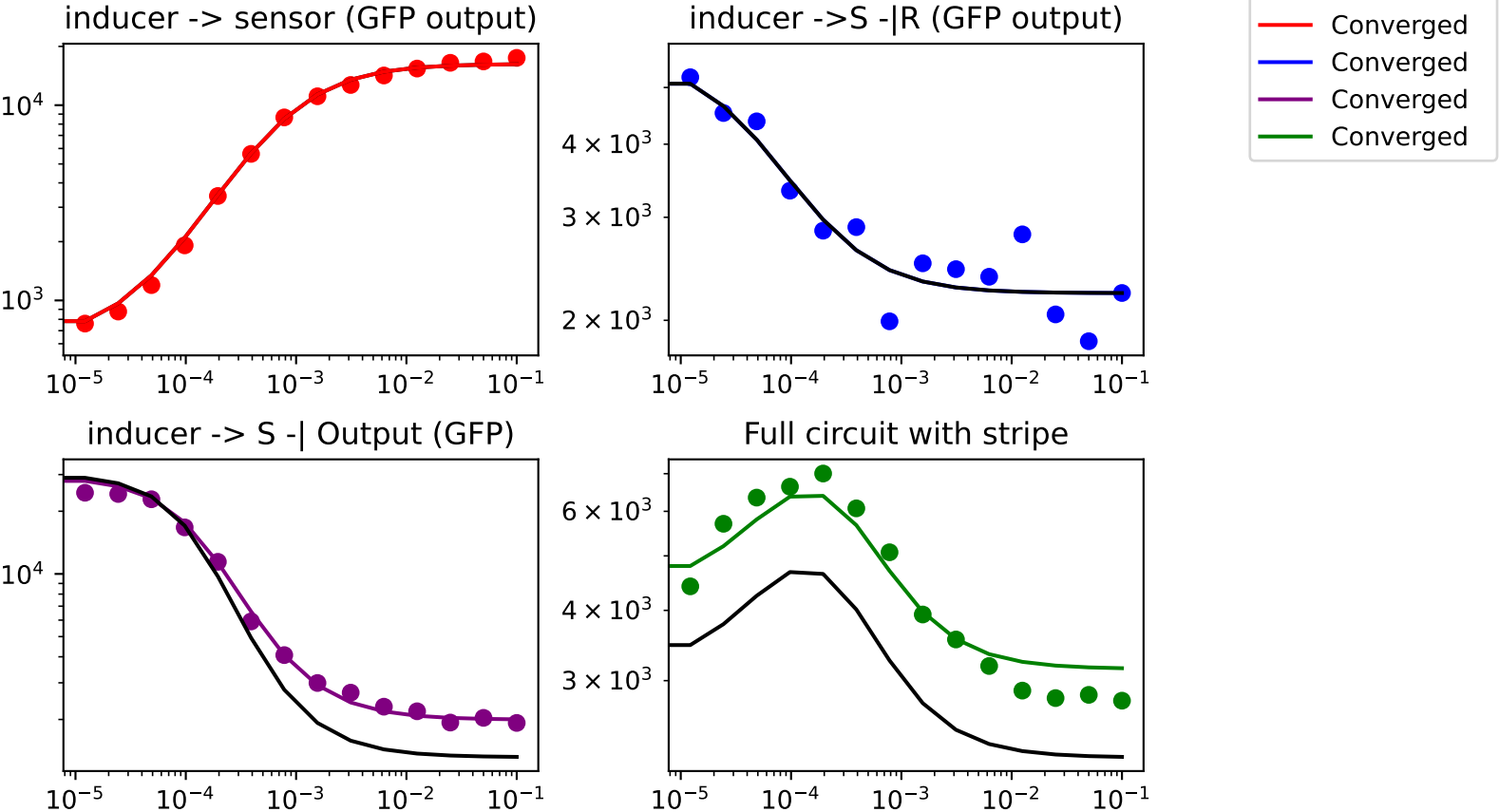


['SM data type data plots for mutation', 'Output9', 'using model:', 'model_hill']



Across all four plots:

RSS (converged)=0.082

RSS (initial)=0.704

RSS (% reduction)=0.896

| | epsilon | Initial_guesses | Converged |
|----|-------------|-----------------|--------------|
| As | 0.000000 | 618.047086 | 618.047086 |
| Bs | 0.000000 | 16278.856600 | 16278.856600 |
| Cs | 0.000000 | 1300.653790 | 1300.653790 |
| Ns | 0.000000 | 1.096541 | 1.096541 |
| Ar | 0.000000 | 1916.175610 | 1916.175610 |
| Br | 0.000000 | 18874.240800 | 18874.240800 |
| Cr | 0.000000 | 0.009030 | 0.009030 |
| Nr | 0.000000 | 0.820433 | 0.820433 |
| Ah | 45.867740 | 683.835638 | 729.703378 |
| Bh | -137.747976 | 32464.380200 | 32326.632224 |
| Ch | -0.000023 | 0.000473 | 0.000450 |
| Fo | -0.094002 | 2.821352 | 2.727350 |
| Ao | -0.014071 | 0.632148 | 0.618077 |
| Bo | -0.047235 | 0.972768 | 0.925533 |
| Co | 0.190159 | 2.640174 | 2.830333 |
| No | -0.311584 | 1.919339 | 1.607755 |

message: Maximum number of iterations has been exceeded.
success: False
status: 2
fun: 0.0818475630280068
x: [6.180e+02 1.628e+04 ... 2.830e+00 1.608e+00]
nit: 100
nfev: 150
final_simplex: (array([[6.180e+02, 1.628e+04, ..., 2.830e+00, 1.608e+00],
[6.180e+02, 1.628e+04, ..., 2.847e+00, 1.606e+00],
...,
[6.180e+02, 1.628e+04, ..., 2.789e+00, 1.658e+00],
[6.180e+02, 1.628e+04, ..., 2.762e+00, 1.642e+00]]), array([8.185e-02, 8.411e-02, ..., 9.265e-02, 9.328e-02]))