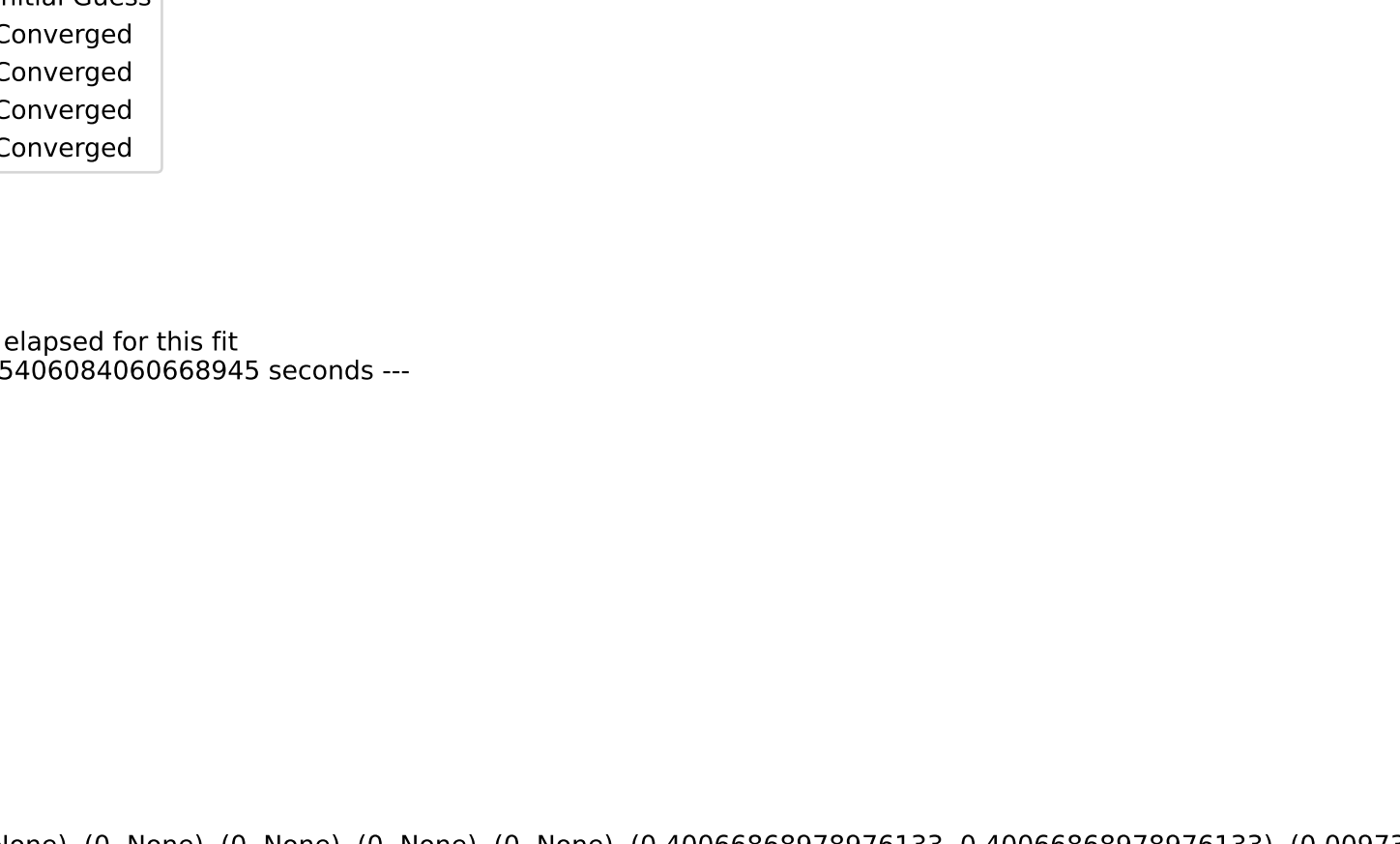
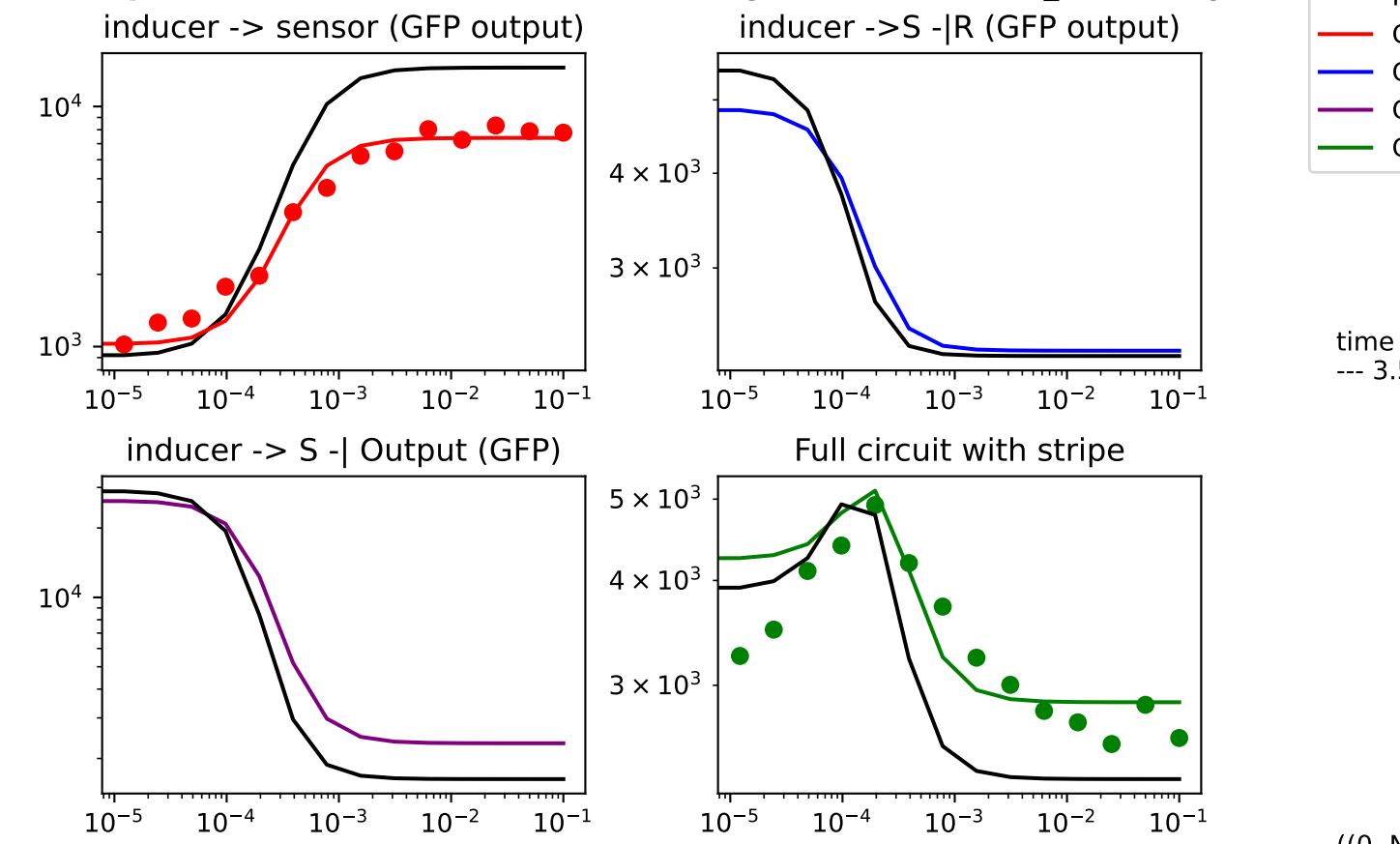


```
[ 'SM data type data plots for mutation', 'Sensor4', 'using model:', 'model thermodynamic', 'Initial Guess'
```



```
time elapsed for this fit
--- 3.5406084060668945 seconds ---
```

((0, None), (0, None), (0, None), (0, None), (0, None), (0.40066868978976133, 0.40066868978976133), (0.00973243696853663, 0.00973243696853663), (8.404183514288889e-05, 8.404183514288889e-05), (587629.7486661357, 587629.7486661357), (2011833990057.0366, 2011833990057.0366), (0.019680354296355312, 0.019680354296355312), (1.2819864660412365e-06, 1.2819864660412365e-06), (176014.34482799913, 176014.34482799913), (1.4826334558626444, 1.4826334558626444))

Across all four plots:

RSS (converged)=0.108

RSS (initial)=0.912

RSS (% reduction)=0.894

```
success: True
status: 0
```

```
fun: 0.10757778419650403
```

```

x: [ 1.593e-01  5.809e-07 ...  1.70
nit: 665

```

```

nfev: 1308
al simplex: (array([[ 1.593e-01  5.809e-01]

```

```
1.483e+00],
[1.502e+01, 5.000e+07]
```

```
1.3995e+01, 3.8695e+07, ...  
1.483e+00],
```

```
...,
[ 1.593e-01, 5.809e-07, ...
```

```
1.483e+00],
[ 1.593e-01  5.809e-07
```

```
1.483e+00]], array([ 1.07
```

successfully.

100 250 500 1000

00E+03 1.483E+00]

e-07 1.760e+05

1.769 ± 1.05

1.7000105,

1.760e+05.

1.760e+05

76e-01, 1.076e-01, ..., 1.076e-01