This textbook collects all the figures generated for the manuscript.

First take care of the path

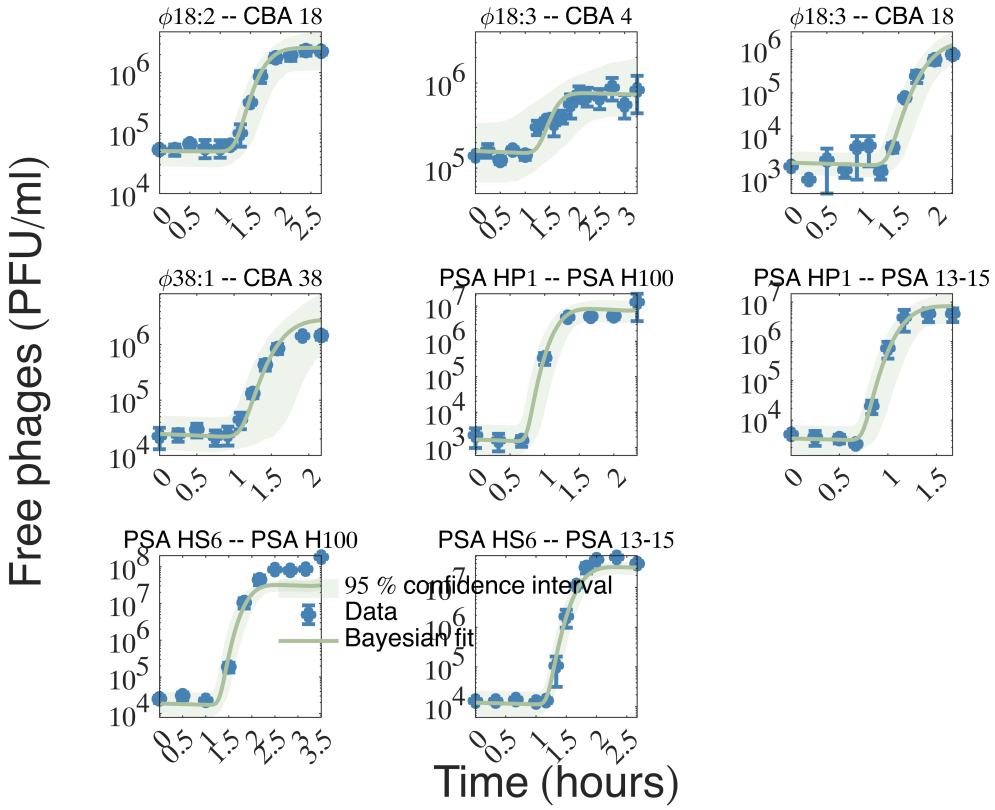
```
addpath(genpath('./..'))
```

Here is Figure1

```
cd('./figure1/')
fig1_parameters;
cd ..
```

Here is Fig 1 all the onesteps

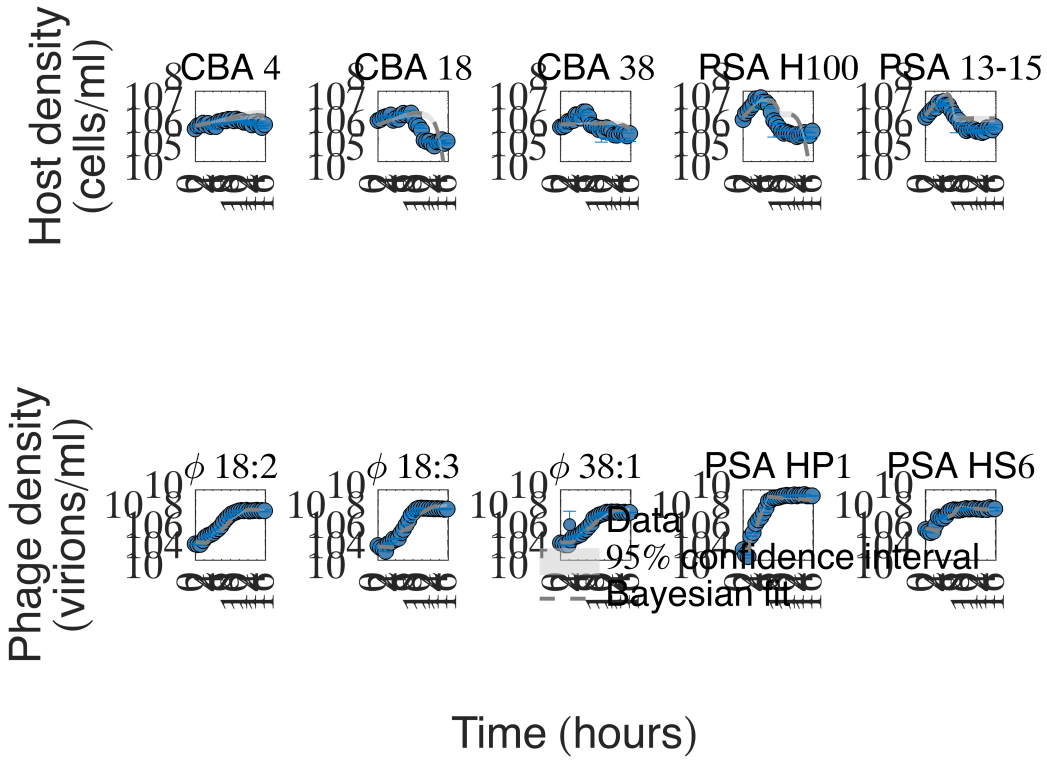
```
cd('./figure1/')
figure1;
```




```
cd ..
```

Here is Figure 3

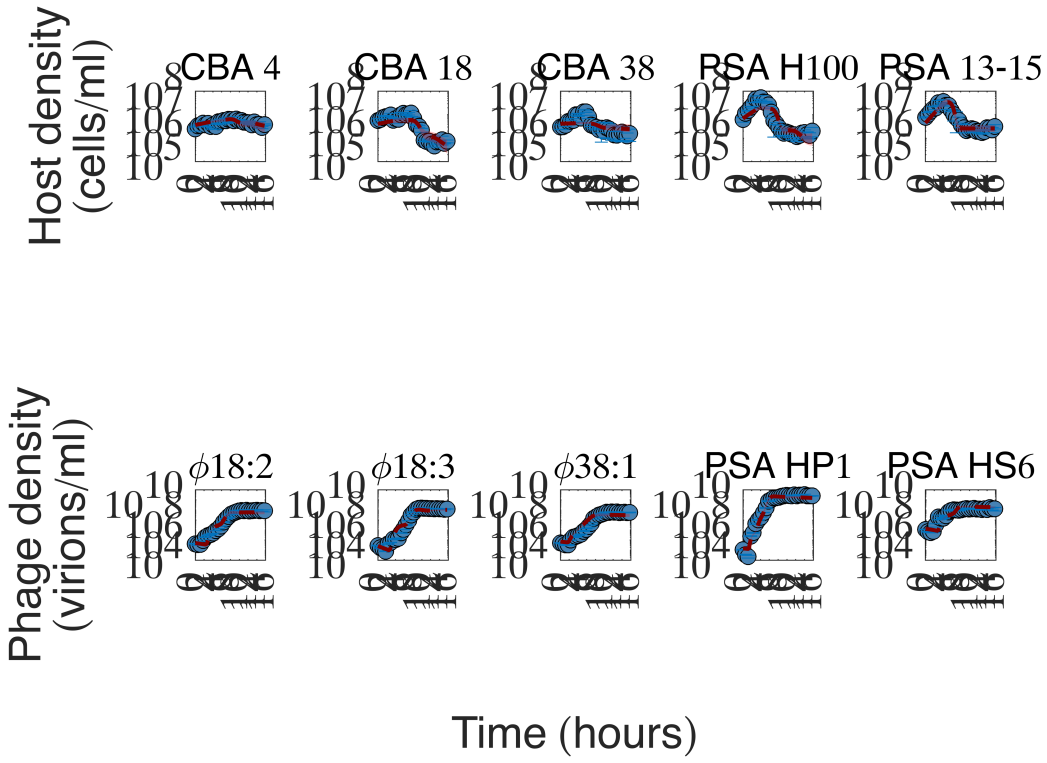
```
cd('./figure3');
fig3_condifence;
```




```
cd('./..');
```

Here is Figure 4

```
cd('./figure4')
fig4_condifence;
```



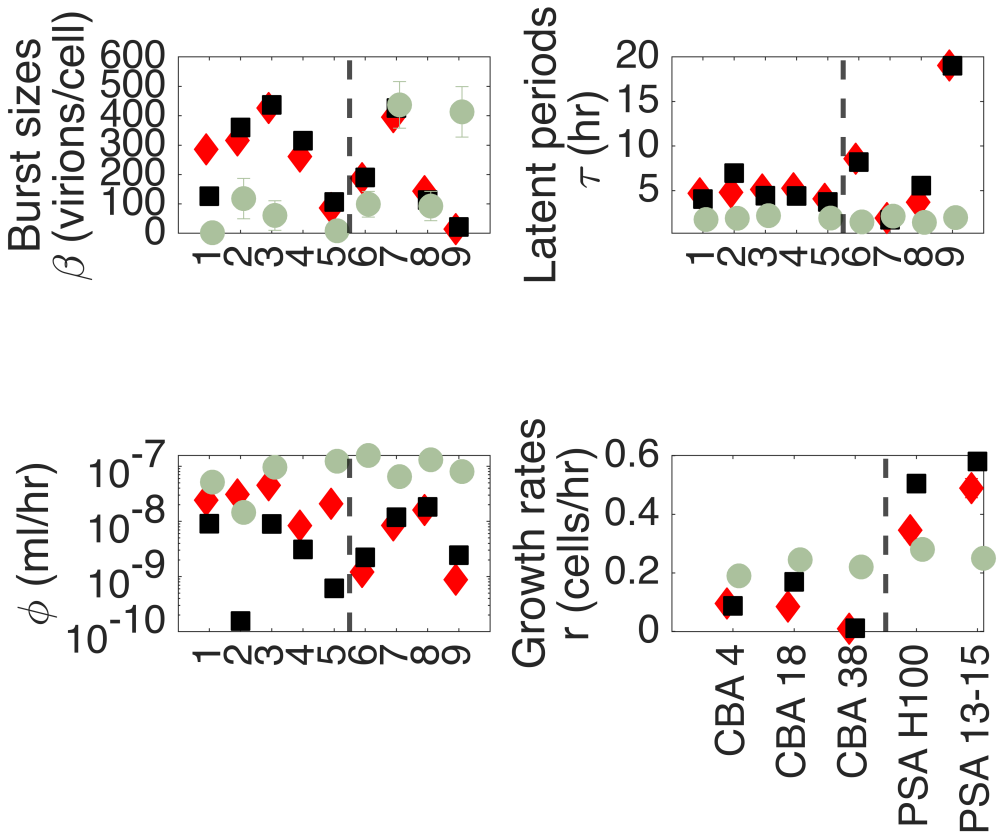

```
cd('./..');
```

.

Figure 5

```
cd('./figure5');
life_history_compare_new;
```

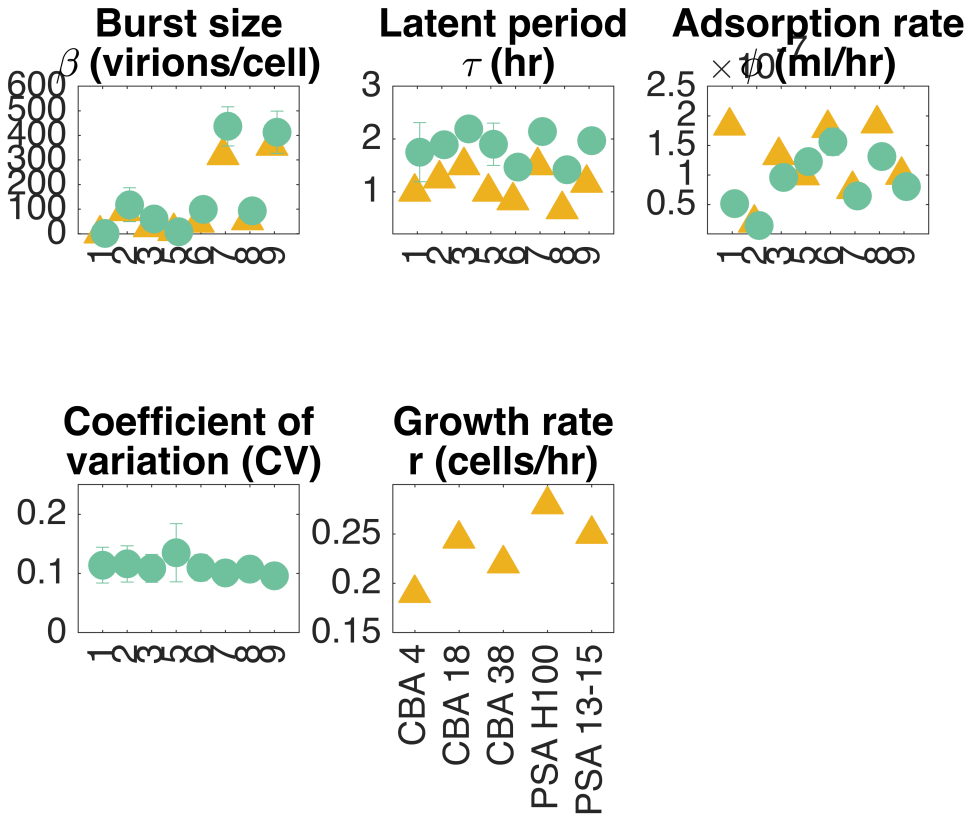
```
Warning: Could not find appropriate function
on path loading function handle /storage/coda1/p-jweitz3/0/rdey33/VIMIMO/
finalizing_script.m>@(theta,data)ssfun(theta,data,pars2,mcmcpars,model,lambda)
Warning: Could not find appropriate function
on path loading function handle /storage/coda1/p-jweitz3/0/rdey33/VIMIMO/
finalizing_script.m>@(theta,data)ssfun(theta,data,pars2,mcmcpars,model,lambda)
Warning: Could not find appropriate function on path loading function handle /storage/coda1/p-
jweitz3/0/rdey33/VIMIMO/finalizing_script.m>@(chain)median(chain)
```




```
cd('./..');
```

Here is the life history comparison from Fig 1

```
fig1_parameters
```



For Figure 2, use this (takes a long time to run)

```
cd './figure2/';
figure3;
```

```
hf =
  Figure (16) with properties:

      Number: 16
        Name: ''
       Color: [9.4000e-01 9.4000e-01 9.4000e-01]
    Position: [476 460 560 420]
       Units: 'pixels'

  Show all properties
dummy_beta =
     1
dummy_beta =
    51
dummy_beta =
   101
dummy_beta =
   151
dummy_beta =
   201
dummy_beta =
   251
dummy_beta =
   301
dummy_beta =
   351
dummy_beta =
```

```
   401
dummy_beta =
   451
dummy_beta =
   501
dummy_beta =
   551
dummy_beta =
   601
dummy_beta =
   651
dummy_beta =
   701
dummy_beta =
   751
dummy_beta =
   801
dummy_beta =
   851
dummy_beta =
   901
```