



Q-PHAST pipeline

Design the Plate-Layout (PL)
(steps 1-3)



Isolate single colonies



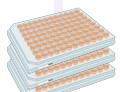
Master-Plate (MP)
(steps 4-7)



Day 1 (90')

Optional Step 7B

Strain-Stock -
Plate (SSP)



100 µl from MP in
100 µl glycerol 50% (v/v)

Freeze



-80°C
Master-Plate (MP)

10µl in 490µl media

Dilution-Plate (DP)
(steps 8-10)



3µl in 197µl H₂O

Experimental-Plate (EP)
(steps 11-13)



Spots of 3 µl

Scan and incubate
(steps 14-17)

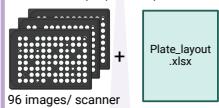


Scanning every 15'

Day 2 (90')

Raw data

(steps 18-20)



96 images/ scanner

Plate_layout.xlsx

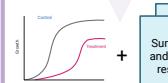
Plate_layout.xlsx

Analyze with Q-PHAST
(steps 21-29)



Graphical interface

Results



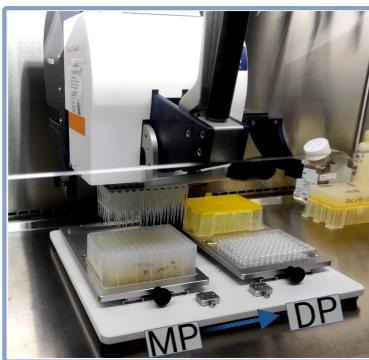
Summary and all the results

Day 3 (45')

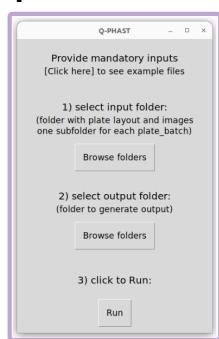
b

| Compounds in the plates | | | | |
|---|---------------|---------------|---------------|---------------|
| Plate batch | 1 | 2 | 3 | 4 |
| SC1 | anidulafungin | anidulafungin | anidulafungin | anidulafungin |
| SC2 | anidulafungin | anidulafungin | anidulafungin | anidulafungin |
| SC3 | anidulafungin | anidulafungin | anidulafungin | anidulafungin |
| | | | | |
| | | | | |
| Concentrations of the compounds in plates | | | | |
| Plate batch | 1 | 2 | 3 | 4 |
| SC1 | 0 | 0.016 | 0.031 | 0.063 |
| SC2 | 0.125 | 0.25 | 0.5 | 1 |
| SC3 | 2 | 4 | 8 | 16 |
| | | | | |
| | | | | |

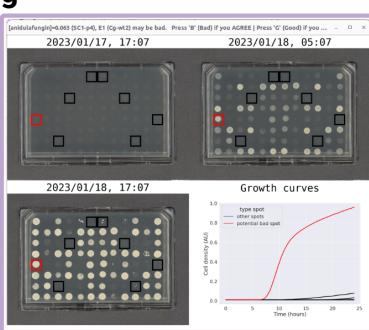
c



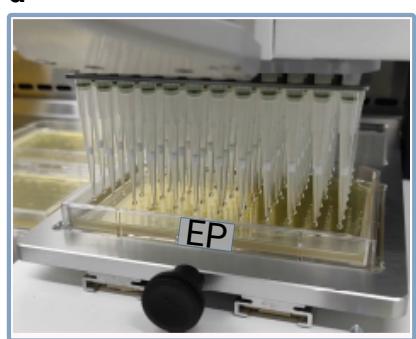
f



g



d



e

