A
Condition
aerobic
anaerobic
before adding NaCl
before changing temperature/adding ethanol
before changing temperature/adding NaCl
Before glucose exhausted
before sporulation
biofilm formation
competence
ethanol
exponential phase
germination
growing with glucose
growing with malate
high phosphate
high temperature
low motility
low phosphate
low temperature
oxidative
salinity
shifting from glucose to alternative nutrients
shifting from glucose to malate
shifting from malate to glucose
sporulation early stage
sporulation late stage
starvation
stationary phase
transition phase
with mitomycin
with shaking before forming biofilm
without diamide
without mitomycin
without oxidative drug
Type
control
treatment
UMAP1
UMAP2
B
anaerobic
biofilm formation
competence
ethanol
germination
high temperature
low motility
low phosphate
low temperature
oxidative
salinity
shifting from glucose to alternative nutrients
shifting from glucose to malate
shifting from malate to glucose
sporulation early stage
starvation
stationary phase
transition phase
with mitomycin
UMAP1
UMAP2
C
medium
BMM
CH
LB medium
LB agar
LPh
M9
minimal medium
modified M9
MSgg
LPhT
SMM
synthetic medium
UMAP1
UMAP2
D
experiment
1: growth cycle in LB medium
2: growth cycle in LB medium + glucose
3: sporulation induction
4: germination
5: competence induction
6: individual/confluent colonies in LB agar
7: swarming cells in LB agar
8: biofilm formation
9: growth cycle in M9 + glucose
10: growing with alternative nutrients
11: aerobic/anaerobic conditions
12: starvation
13: phosphate deficiency
14: temperature and salinity
15: temperature and ethanol
16: with/without NaCl
17: with/without mitomycin
18: with/without diamide
19: with/without oxidative drug
20: nutrients shift between malate & glucose
UMAP1