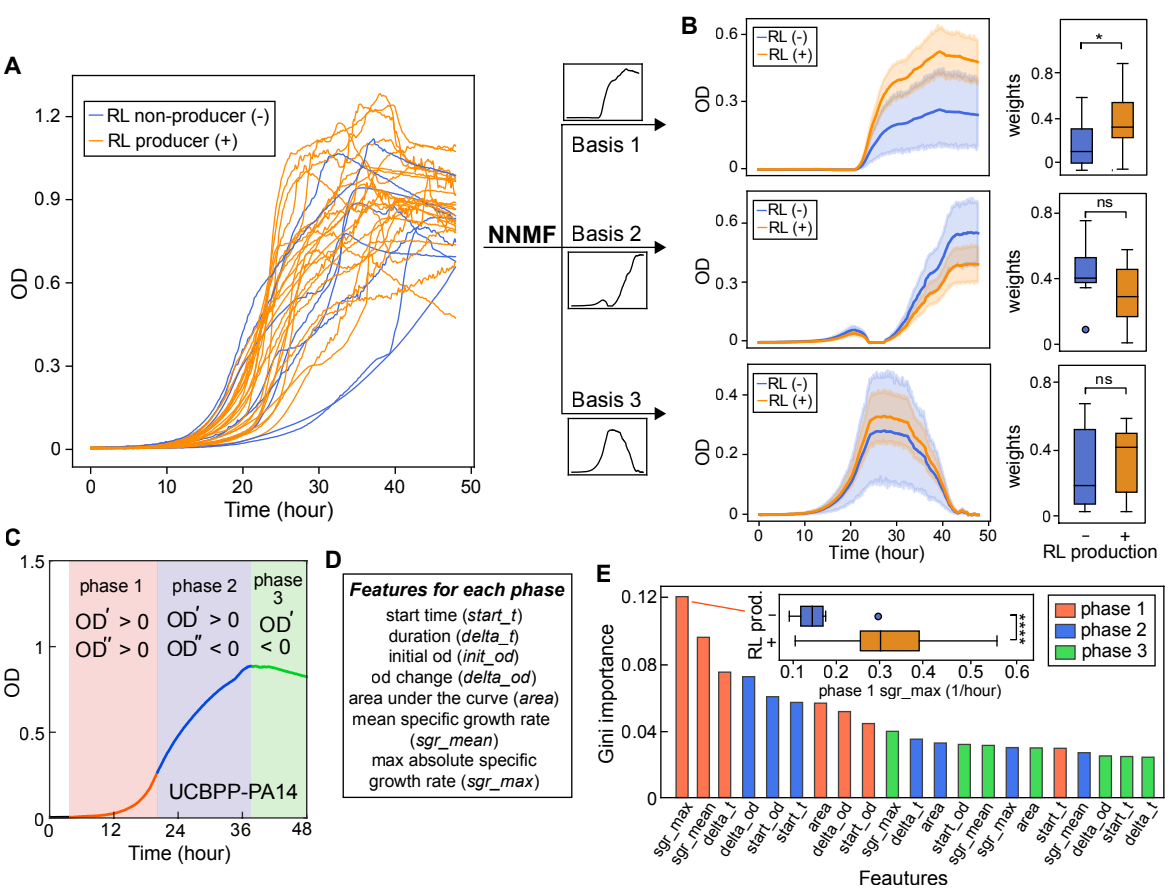
A
RL non-producer (-)
RL producer (+)
OD
Time (hour)
NNMF
Basis 1
Basis 2
Basis 3
B
RL (-)
RL (+)
OD
weights
ns
*
RL production
C
phase 1
phase 2
phase 3
OD′ > 0
OD″ > 0
OD′ > 0
OD″ < 0
OD′ < 0
UCBPP-PA14
OD
Time (hour)
D
Features for each phase
start time (start_t)
duration (delta_t)
initial od (init_od)
od change (delta_od)
area under the curve (area)
mean specific growth rate (sgr_mean)
max absolute specific growth rate (sgr_max)
E
Gini importance
RL prod.
phase 1 sgr_max (1/hour)
****
phase 1
phase 2
phase 3
sgr_max
sgr_mean
delta_t
delta_od
start_od
start_t
area
delta_od
start_od
sgr_max
delta_t
area
start_od
sgr_mean
sgr_max
area
start_t
sgr_mean
delta_od
start_t
delta_t
Feautures