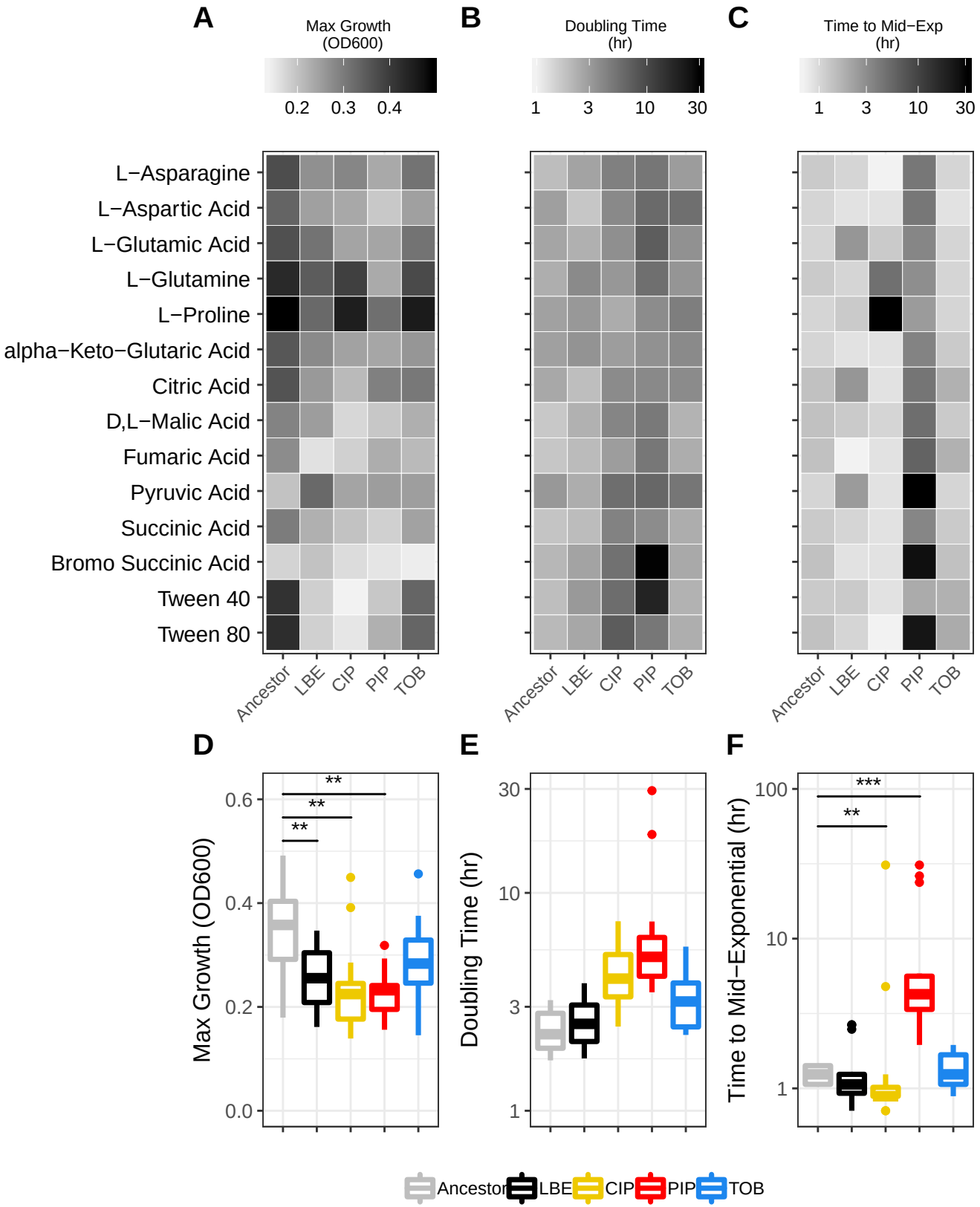
A
Max Growth (OD600)
0.2
0.3
0.4
B
Doubling Time (hr)
1
3
10
30
C
Time to Mid−Exp (hr)
1
3
10
30
L−Asparagine
L−Aspartic Acid
L−Glutamic Acid
L−Glutamine
L−Proline
alpha−Keto−Glutaric Acid
Citric Acid
D,L−Malic Acid
Fumaric Acid
Pyruvic Acid
Succinic Acid
Bromo Succinic Acid
Tween 40
Tween 80
Ancestor
LBE
CIP
PIP
TOB
D
Max Growth (OD600)
0.0
0.2
0.4
0.6
**
**
**
E
Doubling Time (hr)
1
3
10
30
F
Time to Mid−Exponential (hr)
1
10
100
***
**
Ancestor
LBE
CIP
PIP
TOB