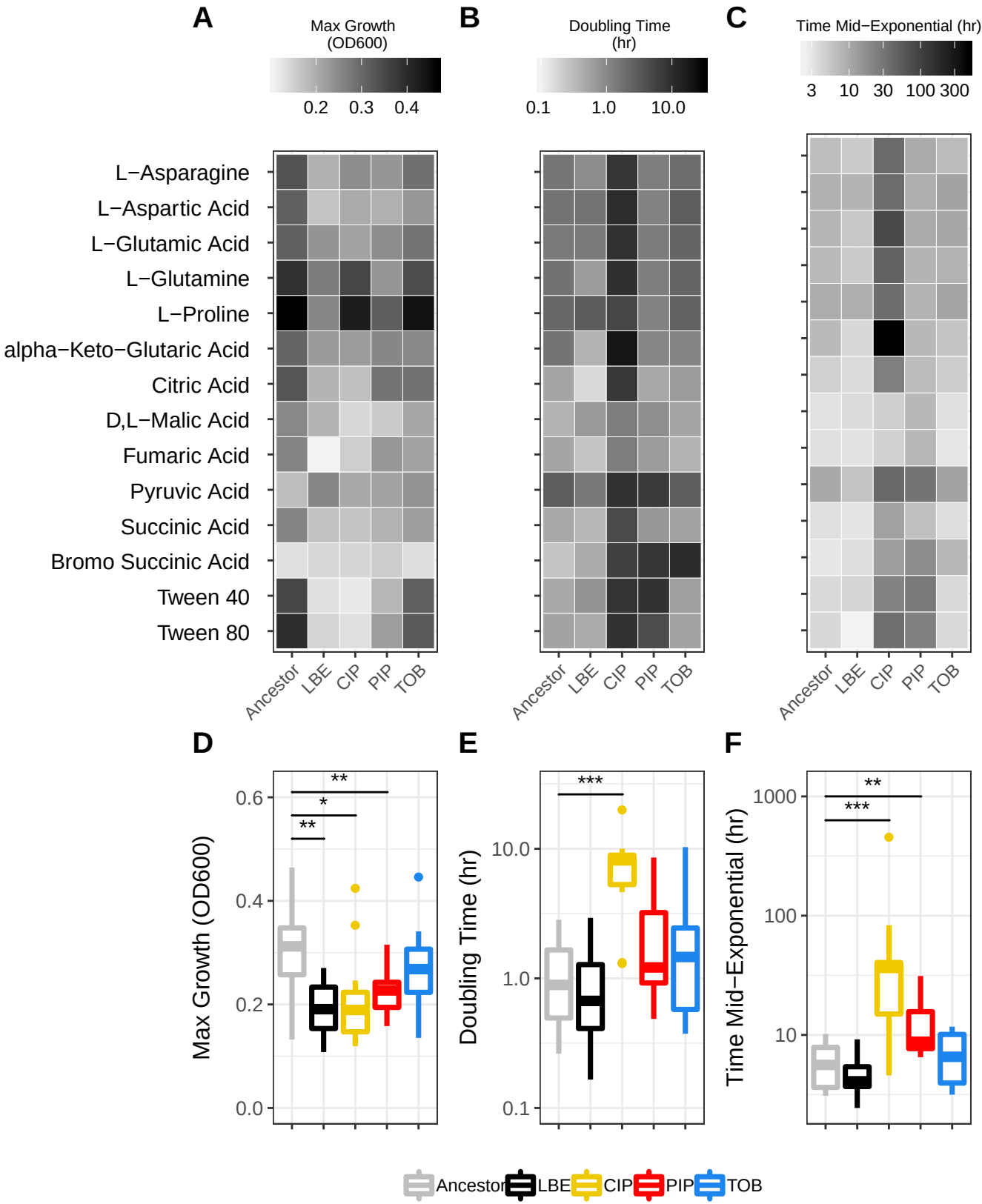
A
Max Growth (OD600)
0.2 0.3 0.4
B
Doubling Time (hr)
0.1 1.0 10.0
C
Time Mid−Exponential (hr)
3 10 30 100 300
L−Asparagine
L−Aspartic Acid
L−Glutamic Acid
L−Glutamine
L−Proline
alpha−Keto−Glutaric Acid
Citric Acid
D,L−Malic Acid
Fumaric Acid
Pyruvic Acid
Succinic Acid
Bromo Succinic Acid
Tween 40
Tween 80
Ancestor LBE CIP PIP TOB
D
Max Growth (OD600)
0.0 0.2 0.4 0.6
**
*
**
E
Doubling Time (hr)
0.1 1.0 10.0
***
F
Time Mid−Exponential (hr)
10 100 1000
**
***
Ancestor LBE CIP PIP TOB