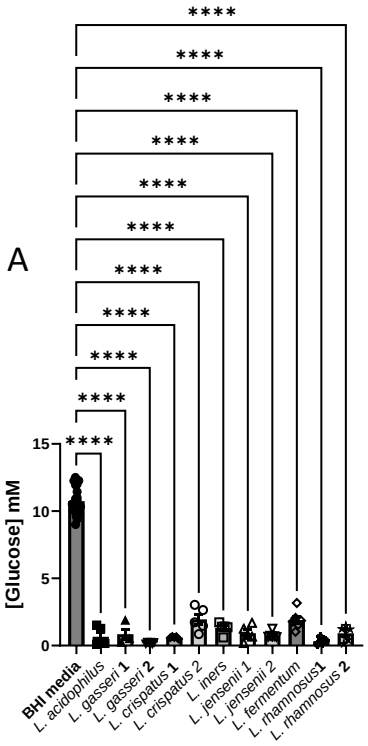
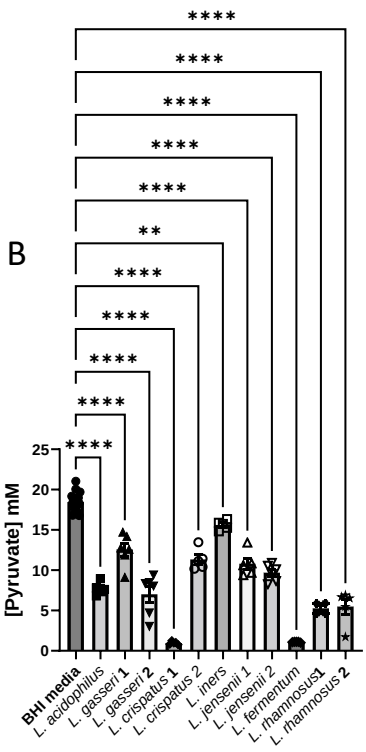
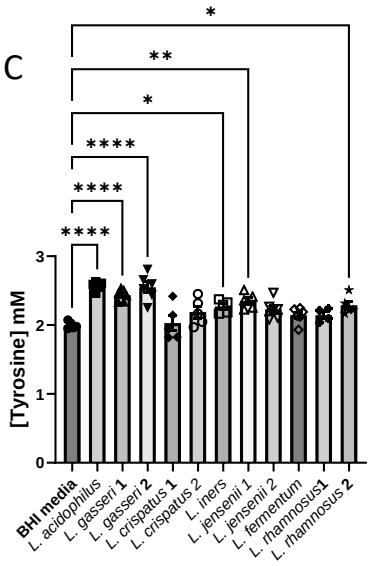
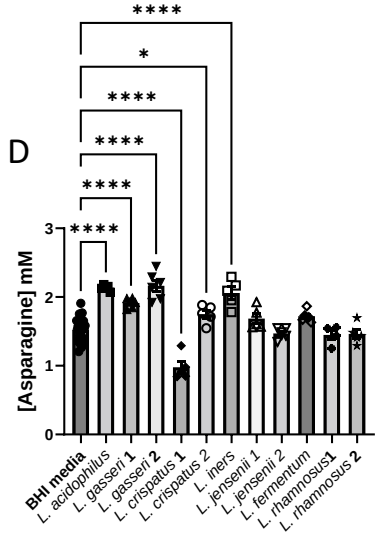
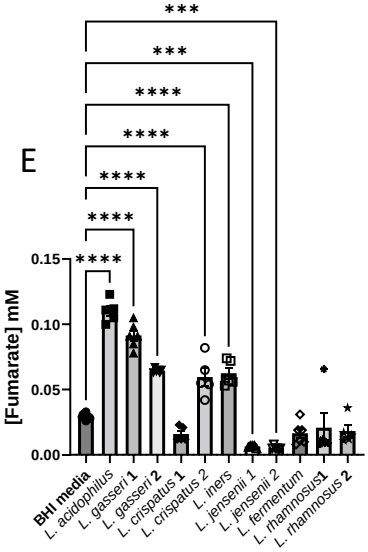
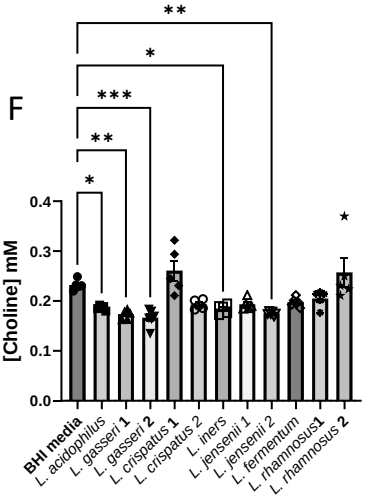

A
[Glucose] mM
0
5
10
15
****
BHI media
L. acidophilus
L. gasseri 1
L. gasseri 2
L. crispatus 1
L. crispatus 2
L. iners
L. jensenii 1
L. jensenii 2
L. fermentum
L. rhamnosus1
L. rhamnosus 2

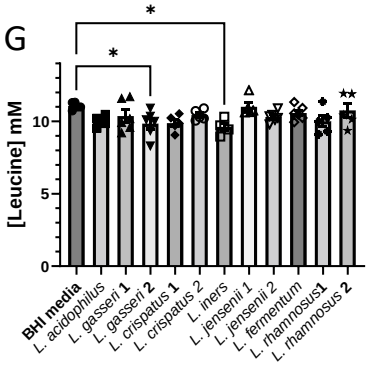

B
[Pyruvate] mM
0
5
10
15
20
25
****
**
BHI media
L. acidophilus
L. gasseri 1
L. gasseri 2
L. crispatus 1
L. crispatus 2
L. iners
L. jensenii 1
L. jensenii 2
L. fermentum
L. rhamnosus1
L. rhamnosus 2

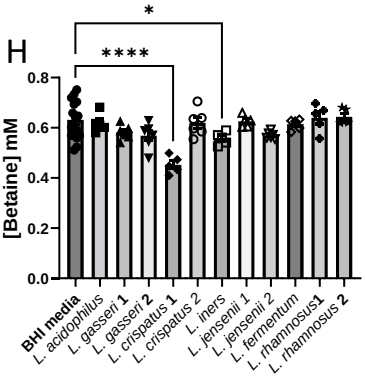

C
[Tyrosine] mM
0
1
2
3
*
**
****
BHI media
L. acidophilus
L. gasseri 1
L. gasseri 2
L. crispatus 1
L. crispatus 2
L. iners
L. jensenii 1
L. jensenii 2
L. fermentum
L. rhamnosus1
L. rhamnosus 2

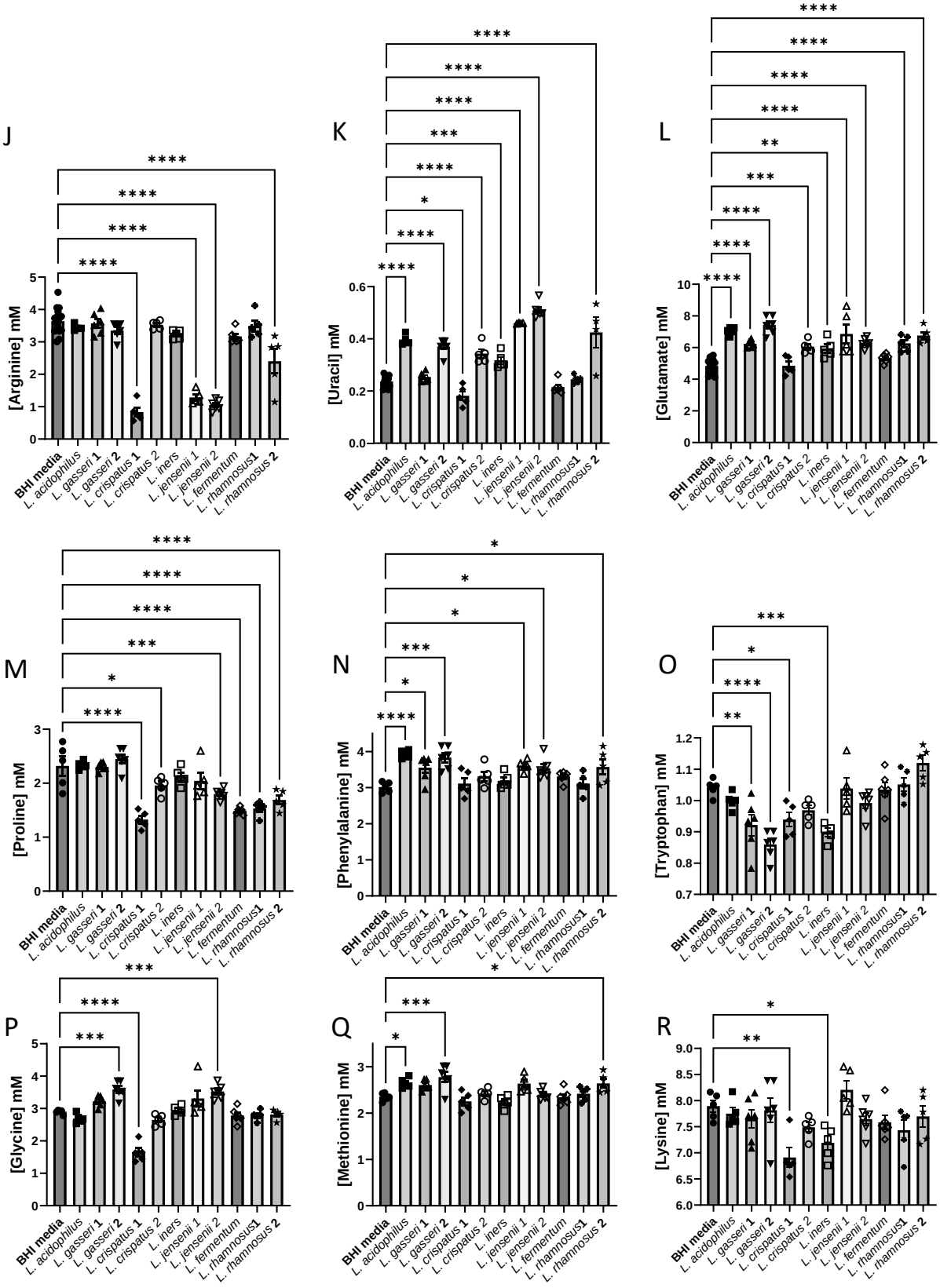

D
[Asparagine] mM
0
1
2
3
****
*
BHI media
L. acidophilus
L. gasseri 1
L. gasseri 2
L. crispatus 1
L. crispatus 2
L. iners
L. jensenii 1
L. jensenii 2
L. fermentum
L. rhamnosus1
L. rhamnosus 2

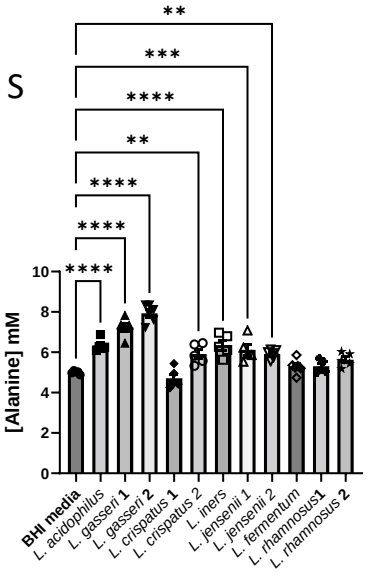

E
[Fumarate] mM
0.00
0.05
0.10
0.15
****
***
BHI media
L. acidophilus
L. gasseri 1
L. gasseri 2
L. crispatus 1
L. crispatus 2
L. iners
L. jensenii 1
L. jensenii 2
L. fermentum
L. rhamnosus1
L. rhamnosus 2

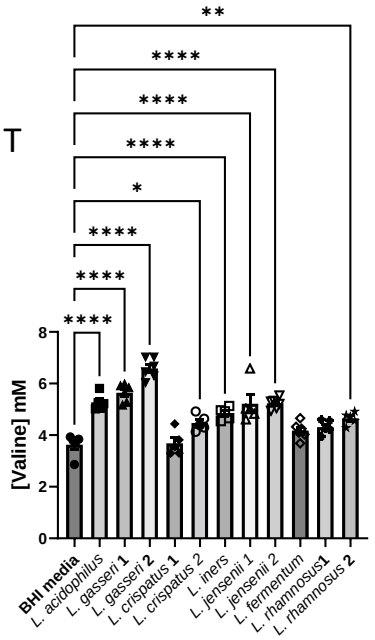

F
[Choline] mM
0.0
0.1
0.2
0.3
0.4
*
**
***
BHI media
L. acidophilus
L. gasseri 1
L. gasseri 2
L. crispatus 1
L. crispatus 2
L. iners
L. jensenii 1
L. jensenii 2
L. fermentum
L. rhamnosus1
L. rhamnosus 2

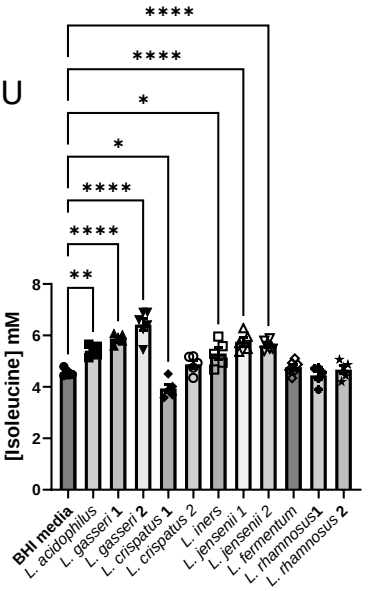

G
[Leucine] mM
0
5
10
*
BHI media
L. acidophilus
L. gasseri 1
L. gasseri 2
L. crispatus 1
L. crispatus 2
L. iners
L. jensenii 1
L. jensenii 2
L. fermentum
L. rhamnosus1
L. rhamnosus 2


H
[Betaine] mM
0.0
0.2
0.4
0.6
0.8
*
****
BHI media
L. acidophilus
L. gasseri 1
L. gasseri 2
L. crispatus 1
L. crispatus 2
L. iners
L. jensenii 1
L. jensenii 2
L. fermentum
L. rhamnosus1
L. rhamnosus 2


J
[Arginine] mM
K
[Uracil] mM
L
[Glutamate] mM
M
[Proline] mM
N
[Phenylalanine] mM
O
[Tryptophan] mM
P
[Glycine] mM
Q
[Methionine] mM
R
[Lysine] mM
BHI media
L. acidophilus
L. gasseri 1
L. gasseri 2
L. crispatus 1
L. crispatus 2
L. iners
L. jensenii 1
L. jensenii 2
L. fermentum
L. rhamnosus1
L. rhamnosus 2


S
[Alanine] mM
0
2
4
6
8
10
****
****
****
**
****
***
**
BHI media
L. acidophilus
L. gasseri 1
L. gasseri 2
L. crispatus 1
L. crispatus 2
L. iners
L. jensenii 1
L. jensenii 2
L. fermentum
L. rhamnosus1
L. rhamnosus 2


T
[Valine] mM
0
2
4
6
8
****
****
****
*
****
****
****
**
BHI media
L. acidophilus
L. gasseri 1
L. gasseri 2
L. crispatus 1
L. crispatus 2
L. iners
L. jensenii 1
L. jensenii 2
L. fermentum
L. rhamnosus1
L. rhamnosus 2


U
[Isoleucine] mM
0
2
4
6
8
**
****
****
*
*
****
****
BHI media
L. acidophilus
L. gasseri 1
L. gasseri 2
L. crispatus 1
L. crispatus 2
L. iners
L. jensenii 1
L. jensenii 2
L. fermentum
L. rhamnosus1
L. rhamnosus 2