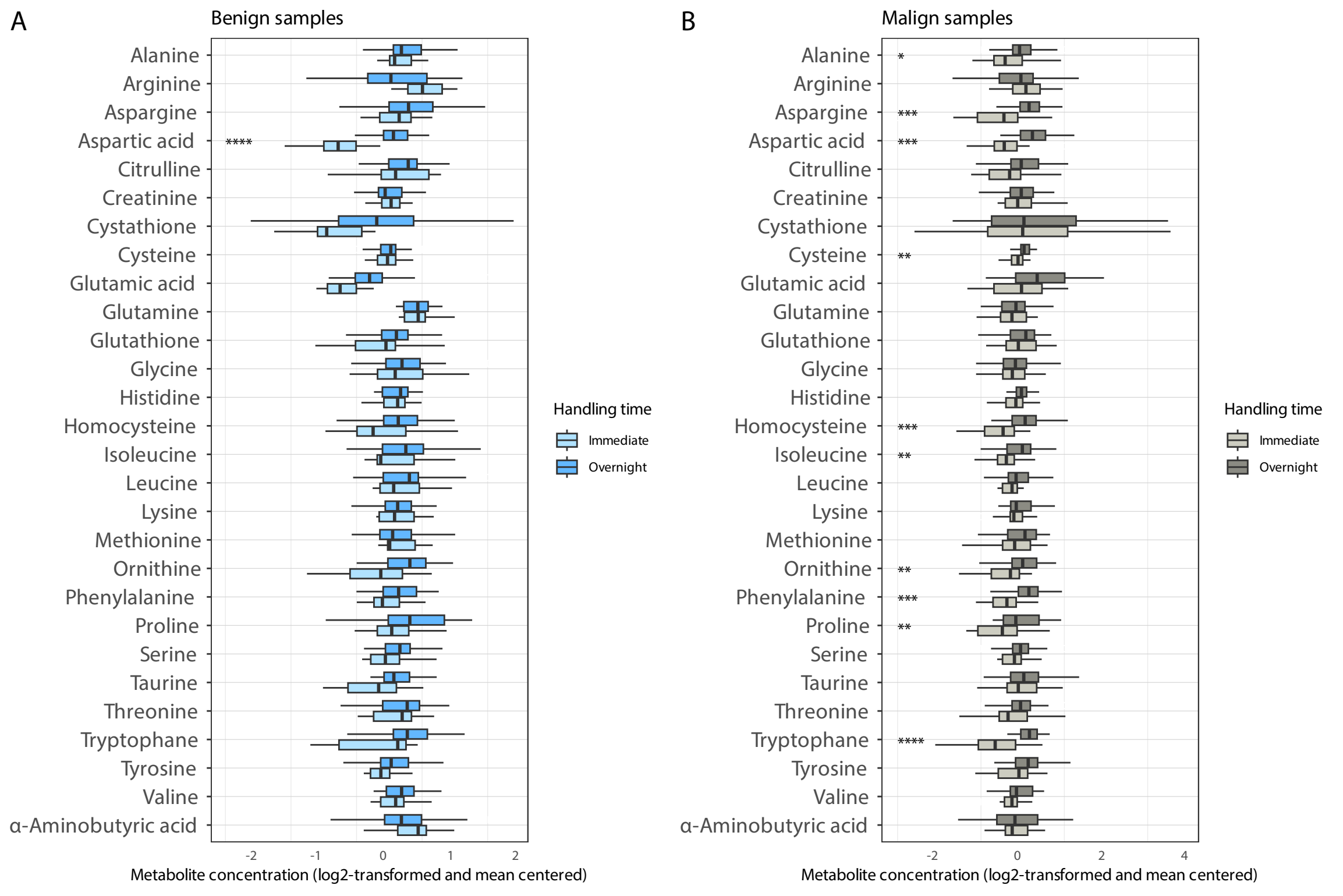
A
Benign samples
Alanine
Arginine
Aspargine
Aspartic acid
Citrulline
Creatinine
Cystathione
Cysteine
Glutamic acid
Glutamine
Glutathione
Glycine
Histidine
Homocysteine
Isoleucine
Leucine
Lysine
Methionine
Ornithine
Phenylalanine
Proline
Serine
Taurine
Threonine
Tryptophane
Tyrosine
Valine
α-Aminobutyric acid
****
-2
-1
0
1
2
Metabolite concentration (log2-transformed and mean centered)
Handling time
Immediate
Overnight
B
Malign samples
*
***
***
**
***
**
**
***
**
****
-2
0
2
4
Metabolite concentration (log2-transformed and mean centered)
Handling time
Immediate
Overnight