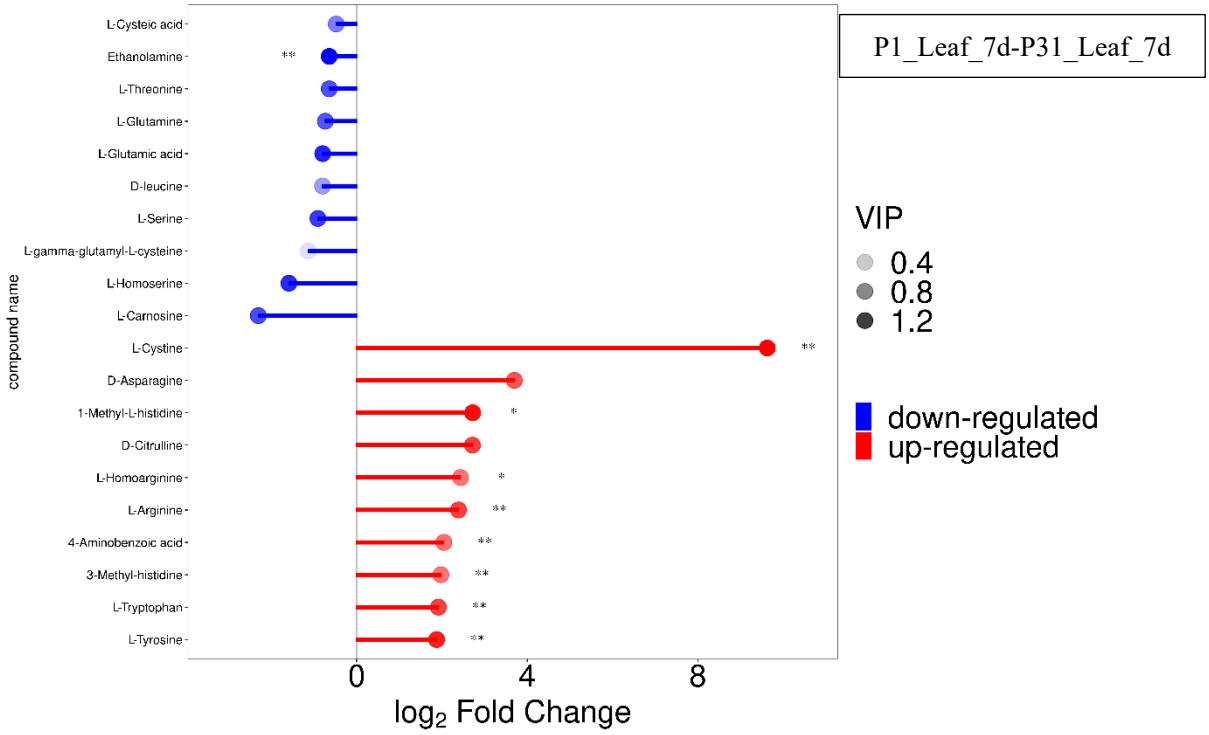
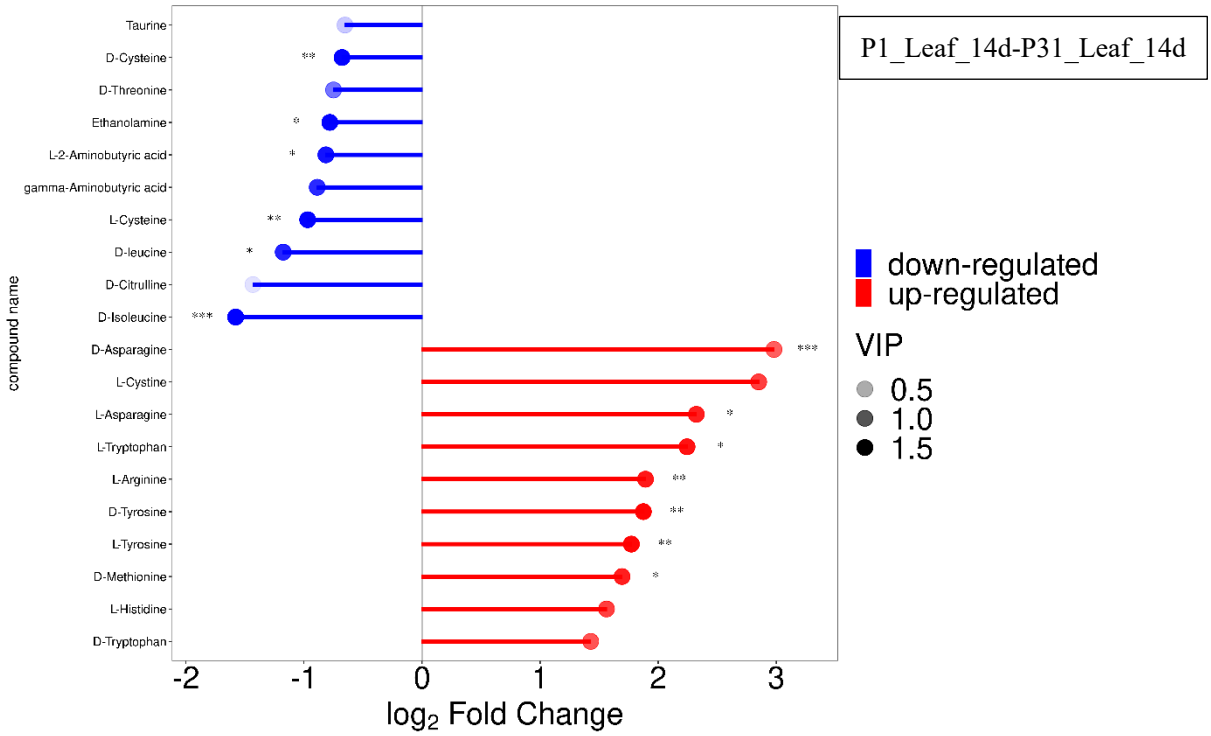
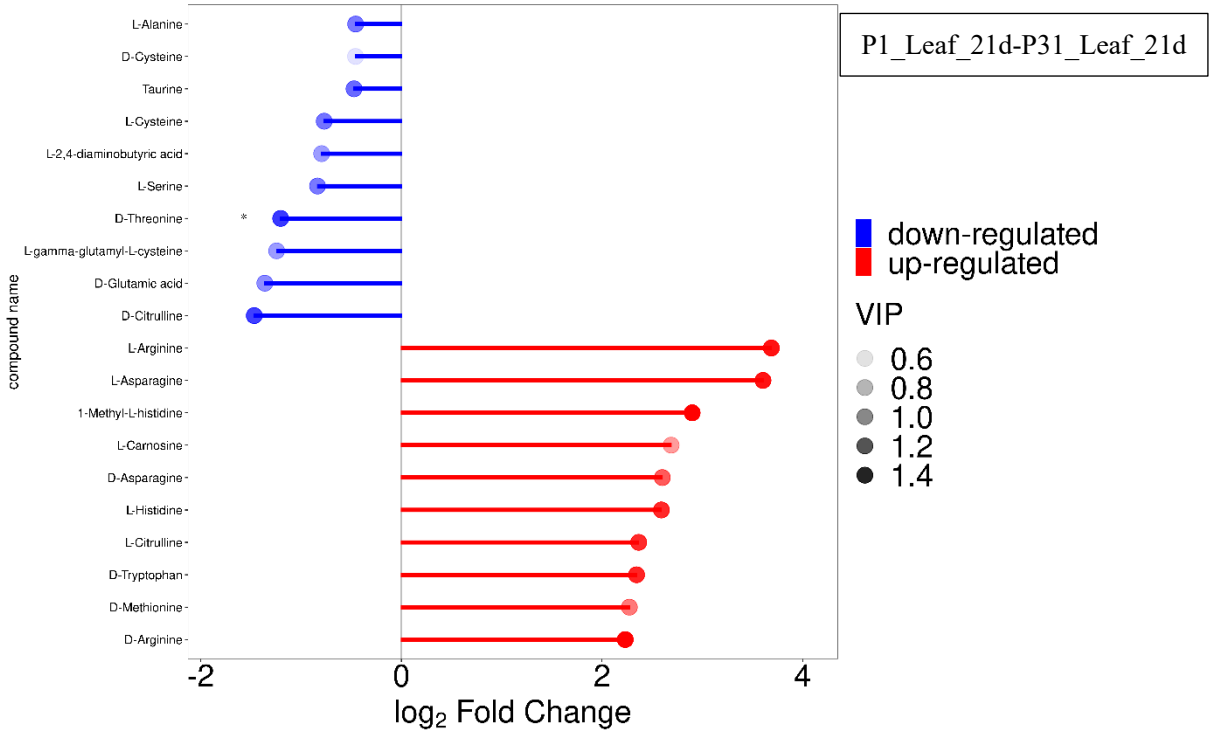
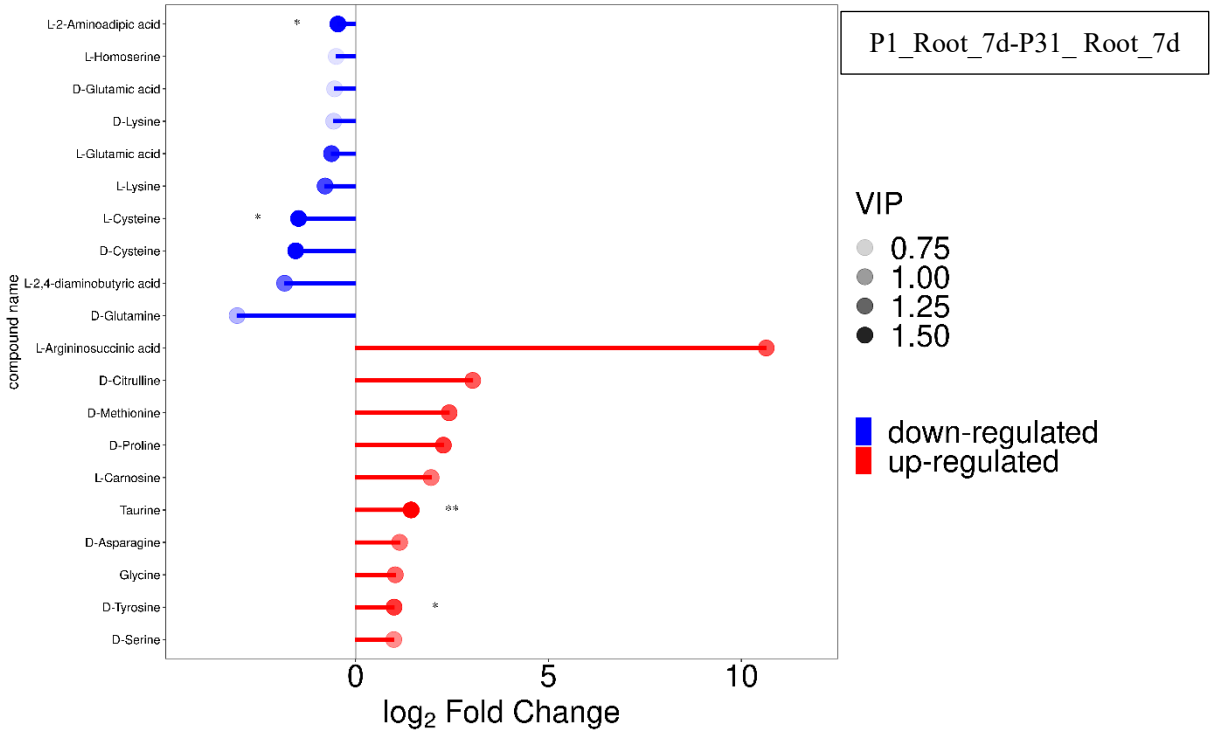
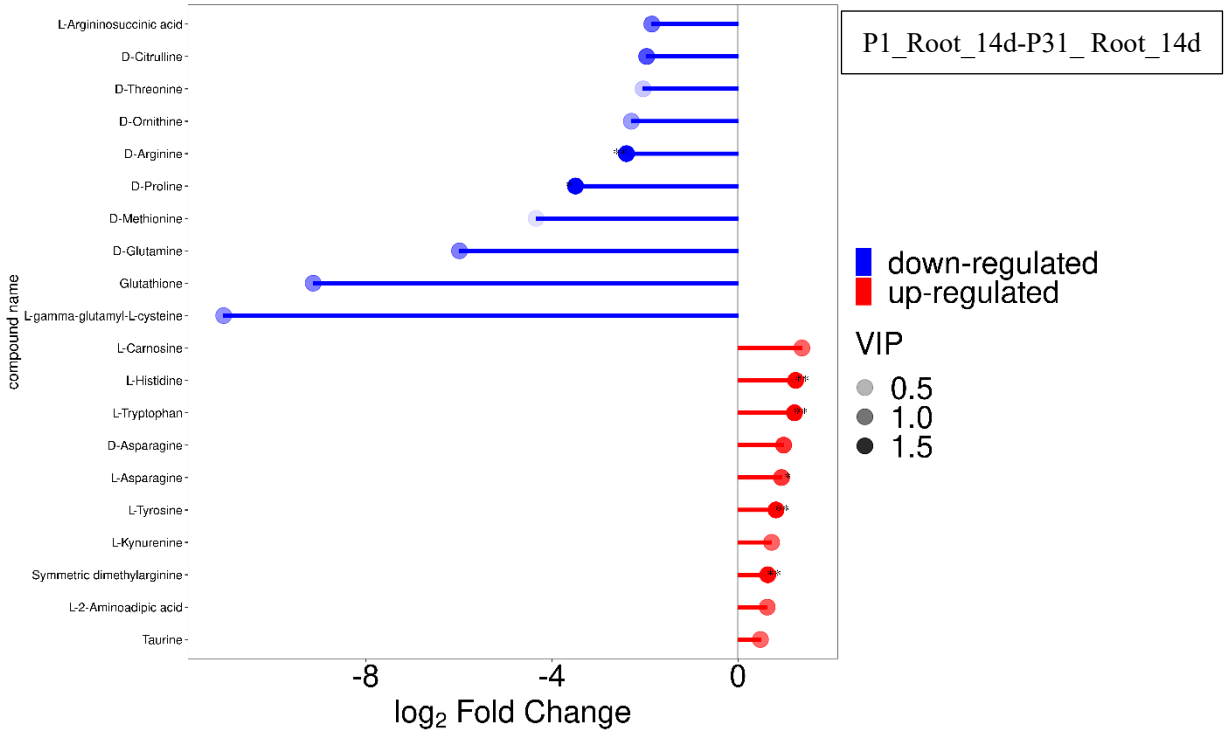
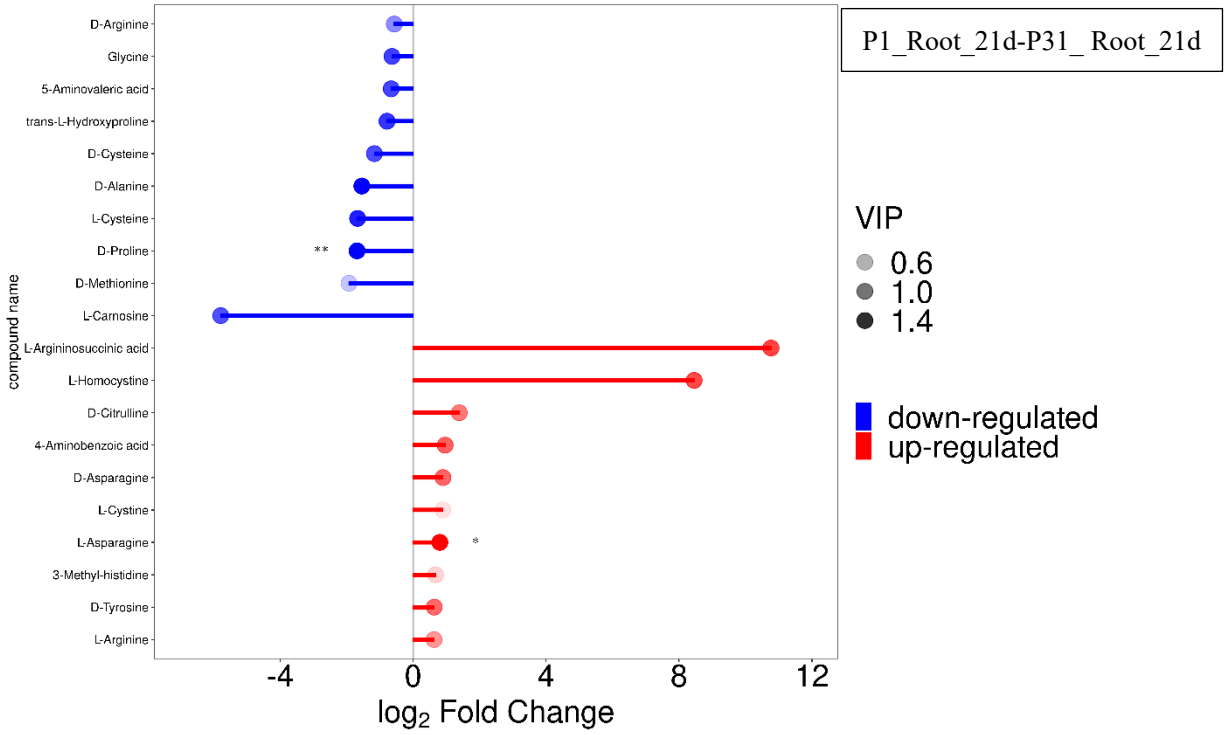

P1_Leaf_7d-P31_Leaf_7d
L-Cysteic acid
Ethanolamine
L-Threonine
L-Glutamine
L-Glutamic acid
D-leucine
L-Serine
L-gamma-glutamyl-L-cysteine
L-Homoserine
L-Carnosine
L-Cystine
D-Asparagine
1-Methyl-L-histidine
D-Citrulline
L-Homoarginine
L-Arginine
4-Aminobenzoic acid
3-Methyl-histidine
L-Tryptophan
L-Tyrosine
compound name
0
4
8
log2 Fold Change
VIP
0.4
0.8
1.2
down-regulated
up-regulated

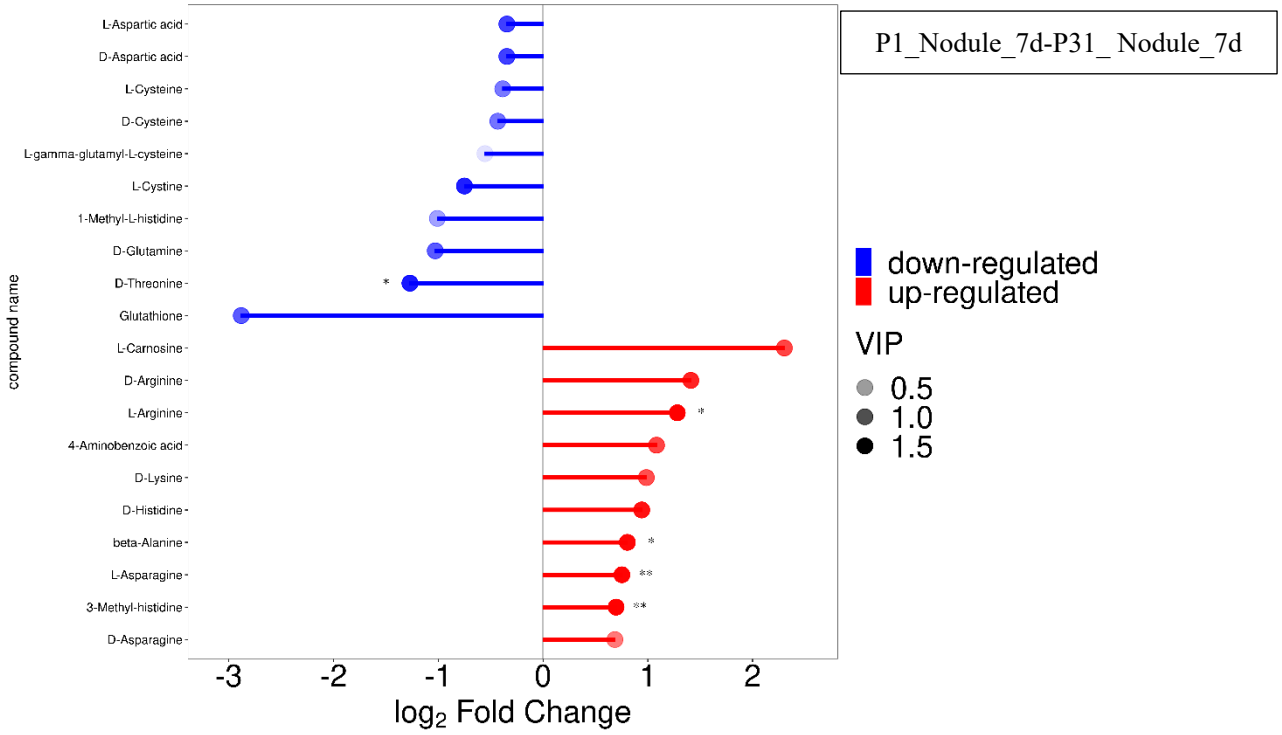

P1_Leaf_14d-P31_Leaf_14d
Taurine
D-Cysteine
D-Threonine
Ethanolamine
L-2-Aminobutyric acid
gamma-Aminobutyric acid
L-Cysteine
D-leucine
D-Citrulline
D-Isoleucine
D-Asparagine
L-Cystine
L-Asparagine
L-Tryptophan
L-Arginine
D-Tyrosine
L-Tyrosine
D-Methionine
L-Histidine
D-Tryptophan
compound name
-2
-1
0
1
2
3
log2 Fold Change
down-regulated
up-regulated
VIP
0.5
1.0
1.5

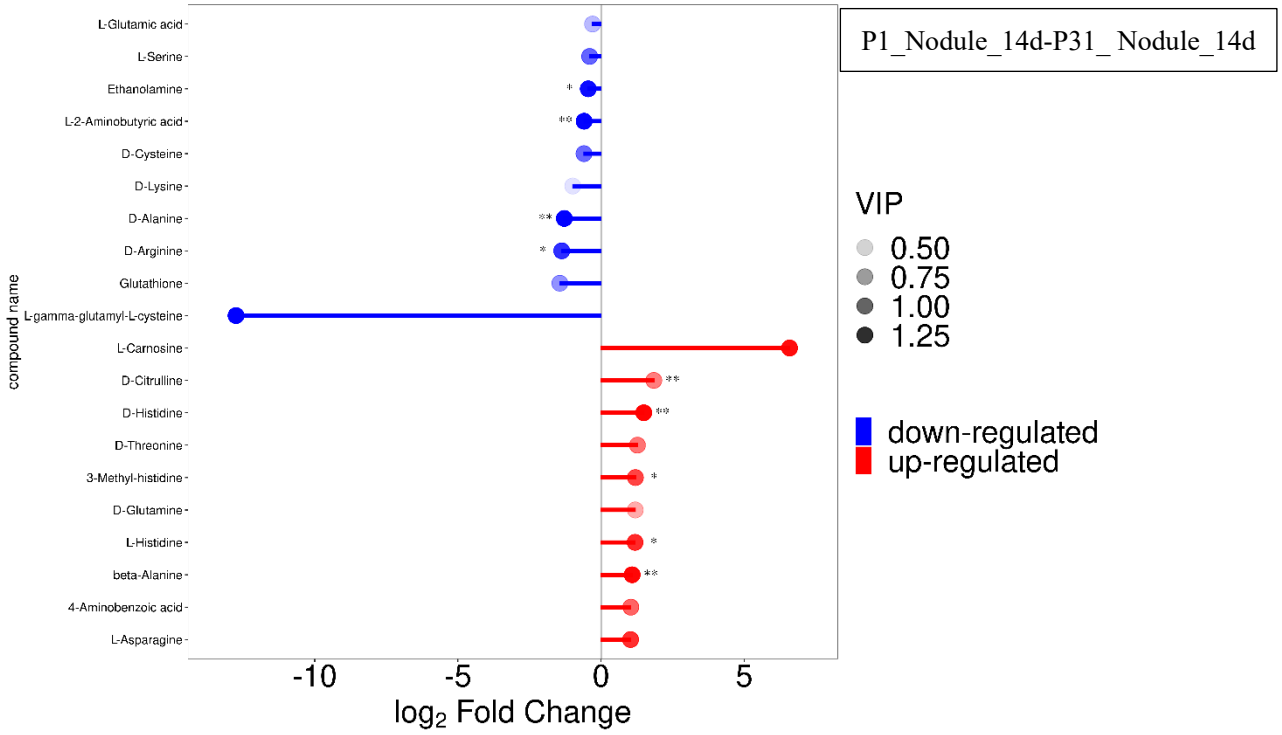

P1_Leaf_21d-P31_Leaf_21d
L-Alanine
D-Cysteine
Taurine
L-Cysteine
L-2,4-diaminobutyric acid
L-Serine
D-Threonine
L-gamma-glutamyl-L-cysteine
D-Glutamic acid
D-Citrulline
L-Arginine
L-Asparagine
1-Methyl-L-histidine
L-Carnosine
D-Asparagine
L-Histidine
L-Citrulline
D-Tryptophan
D-Methionine
D-Arginine
compound name
-2
0
2
4
log2 Fold Change
down-regulated
up-regulated
VIP
0.6
0.8
1.0
1.2
1.4

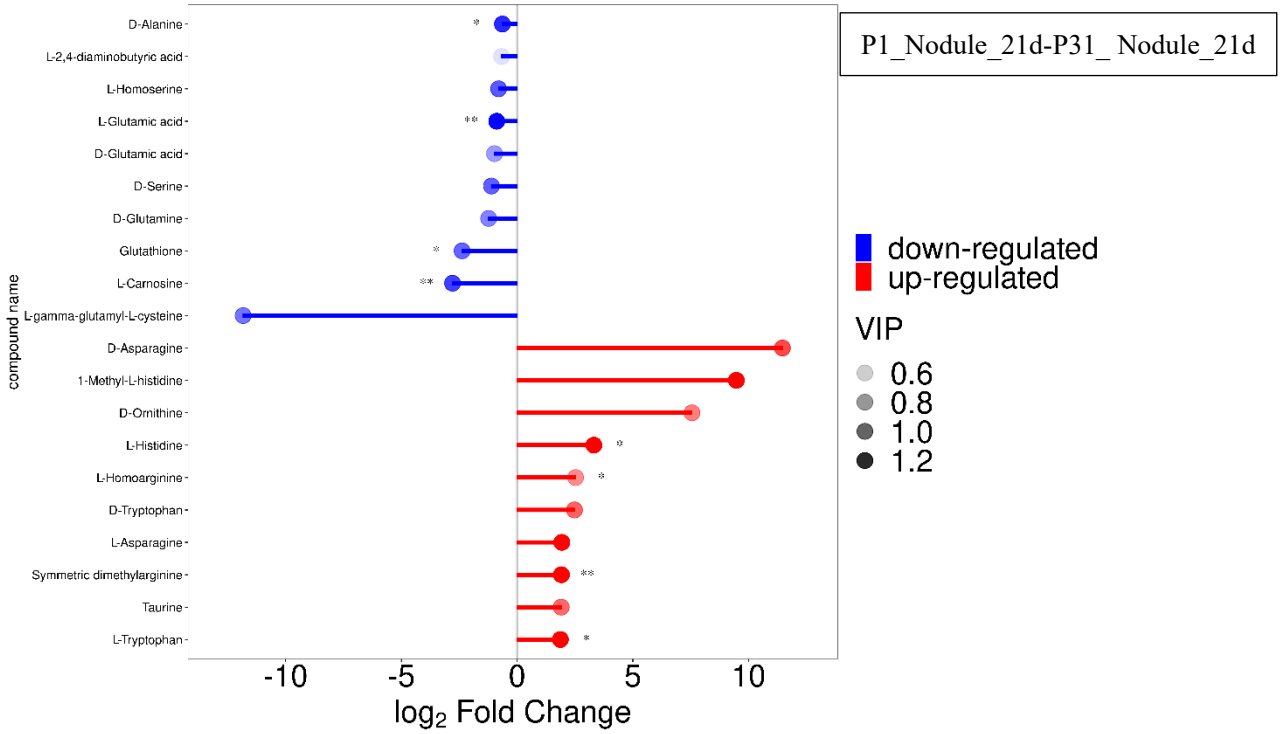

P1_Root_7d-P31_ Root_7d
L-2-Aminoadipic acid
L-Homoserine
D-Glutamic acid
D-Lysine
L-Glutamic acid
L-Lysine
L-Cysteine
D-Cysteine
L-2,4-diaminobutyric acid
D-Glutamine
L-Argininosuccinic acid
D-Citrulline
D-Methionine
D-Proline
L-Carnosine
Taurine
D-Asparagine
Glycine
D-Tyrosine
D-Serine
compound name
0
5
10
log2 Fold Change
VIP
0.75
1.00
1.25
1.50
down-regulated
up-regulated


P1_Root_14d-P31_ Root_14d
L-Argininosuccinic acid
D-Citrulline
D-Threonine
D-Ornithine
D-Arginine
D-Proline
D-Methionine
D-Glutamine
Glutathione
L-gamma-glutamyl-L-cysteine
L-Carnosine
L-Histidine
L-Tryptophan
D-Asparagine
L-Asparagine
L-Tyrosine
L-Kynurenine
Symmetric dimethylarginine
L-2-Aminoadipic acid
Taurine
compound name
-8
-4
0
log2 Fold Change
down-regulated
up-regulated
VIP
0.5
1.0
1.5


P1_Root_21d-P31_ Root_21d
D-Arginine
Glycine
5-Aminovaleric acid
trans-L-Hydroxyproline
D-Cysteine
D-Alanine
L-Cysteine
D-Proline
D-Methionine
L-Carnosine
L-Argininosuccinic acid
L-Homocystine
D-Citrulline
4-Aminobenzoic acid
D-Asparagine
L-Cystine
L-Asparagine
3-Methyl-histidine
D-Tyrosine
L-Arginine
compound name
-4
0
4
8
12
log2 Fold Change
VIP
0.6
1.0
1.4
down-regulated
up-regulated


P1_Nodule_7d-P31_ Nodule_7d
L-Aspartic acid
D-Aspartic acid
L-Cysteine
D-Cysteine
L-gamma-glutamyl-L-cysteine
L-Cystine
1-Methyl-L-histidine
D-Glutamine
D-Threonine
Glutathione
L-Carnosine
D-Arginine
L-Arginine
4-Aminobenzoic acid
D-Lysine
D-Histidine
beta-Alanine
L-Asparagine
3-Methyl-histidine
D-Asparagine
compound name
-3
-2
-1
0
1
2
log2 Fold Change
down-regulated
up-regulated
VIP
0.5
1.0
1.5


P1_Nodule_14d-P31_ Nodule_14d
L-Glutamic acid
L-Serine
Ethanolamine
L-2-Aminobutyric acid
D-Cysteine
D-Lysine
D-Alanine
D-Arginine
Glutathione
L-gamma-glutamyl-L-cysteine
L-Carnosine
D-Citrulline
D-Histidine
D-Threonine
3-Methyl-histidine
D-Glutamine
L-Histidine
beta-Alanine
4-Aminobenzoic acid
L-Asparagine
compound name
-10
-5
0
5
log2 Fold Change
VIP
0.50
0.75
1.00
1.25
down-regulated
up-regulated



The abscissa shows the change multiple after logarithmic transformation, the shade of the dot represents the VIP value, and * represents the significance.

(Note: * 0.01<p<0.05, ** 0.001<p<0.01, *** p<0.001)