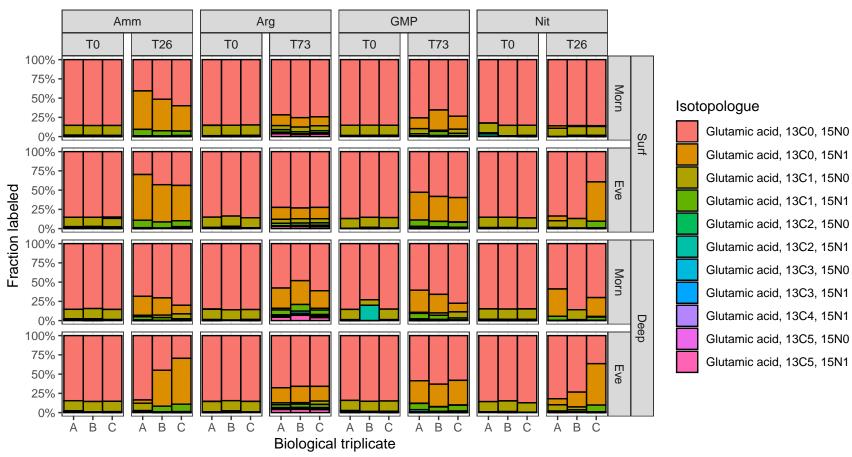


Aspartic acid Amm **GMP** Nit Arg T26 T73 T73 T26 T0 T0 T0 T0 100% 75% Morn 50% -25% -Isotopologue 100% Aspartic acid, 13C0, 15N0 75% -Aspartic acid, 13C0, 15N1 Fraction labeled 50% -Aspartic acid, 13C1, 15N0 25% -Aspartic acid, 13C1, 15N1 0% 100% Aspartic acid, 13C2, 15N0 75% Aspartic acid, 13C2, 15N1 Morn 50% -Aspartic acid, 13C3, 15N1 25% Aspartic acid, 13C4, 15N0 Deep 0% 100% Aspartic acid, 13C4, 15N1 75% -50% -25% -В В В В В

Biological triplicate

Glutamic acid



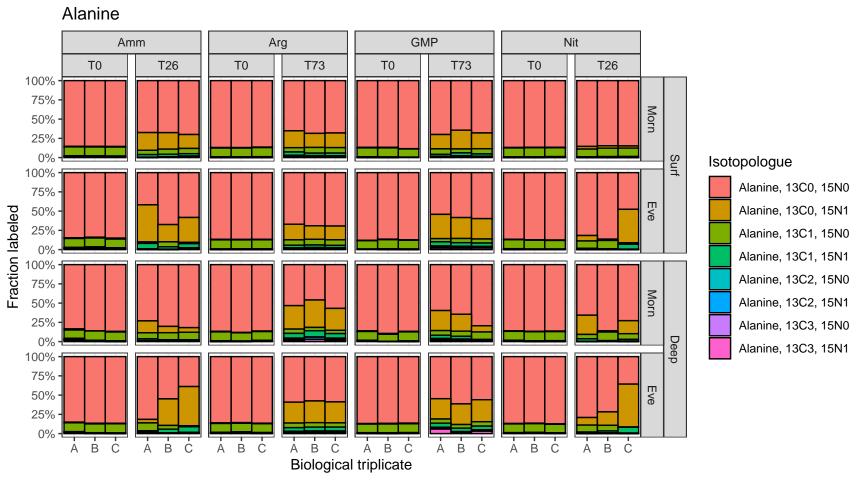
Threonine **GMP** Nit Amm Arg T26 T73 T73 T0 T0 T0 T0 T26 100% 75% -Morn 50% -25% Isotopologue Surf Threonine, 13C0, 15N0 100% Threonine, 13C0, 15N1 75% -Eve Threonine, 13C1, 15N0 Fraction labeled 50% -25% -Threonine, 13C1, 15N1 0% Threonine, 13C2, 15N0 00% Threonine, 13C2, 15N1 75% -Threonine, 13C3, 15N0 50% -25% Threonine, 13C3, 15N1 Deep Threonine, 13C4, 15N0 100% Threonine, 13C4, 15N1 75% -50% -25% -

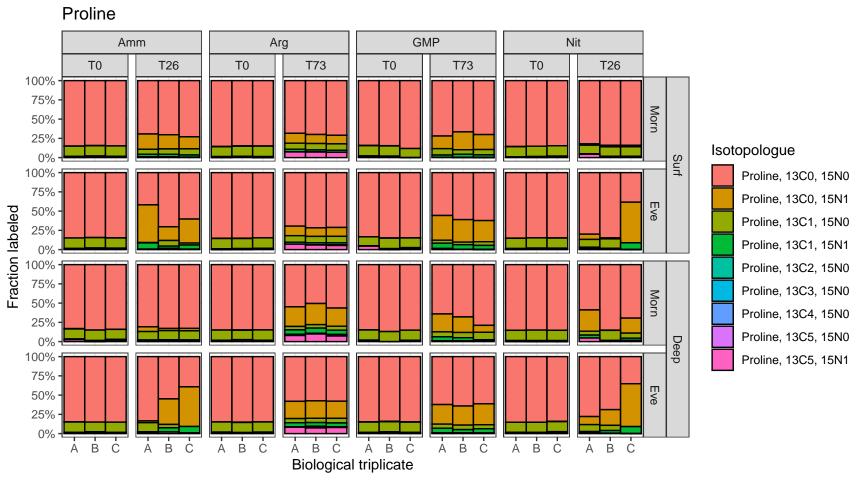
В

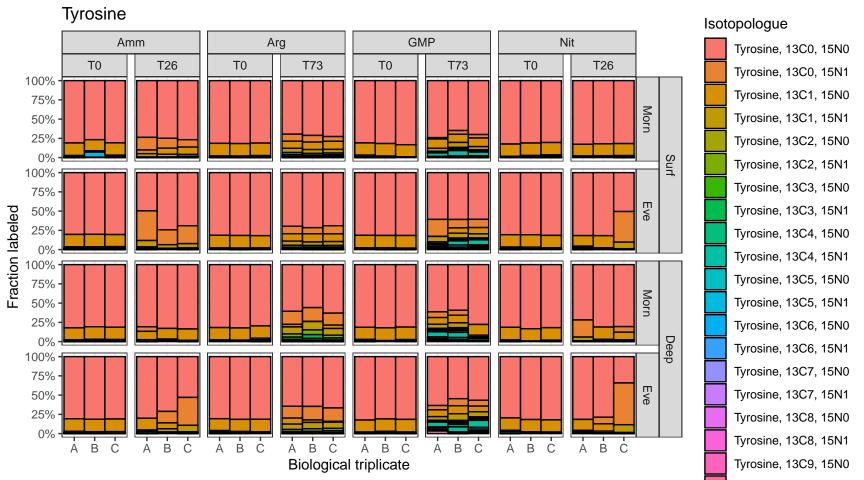
В

В

Biological triplicate



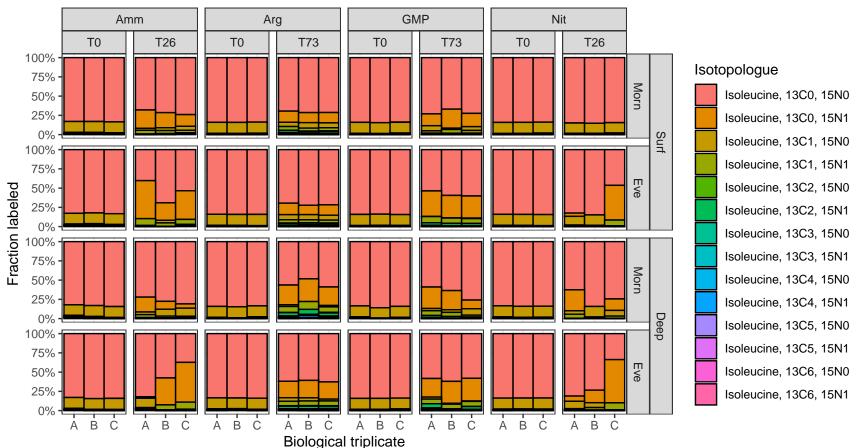




Methionine **GMP** Nit Amm Arg T26 T73 T73 T26 T0 T0 T0 T₀ 100% 75% -Morn 50% -Isotopologue 25% Methionine, 13C0, 15N0 Surf 100% Methionine, 13C0, 15N1 75% -Methionine, 13C1, 15N0 Eve Fraction labeled 50% -Methionine, 13C1, 15N1 25% -Methionine, 13C2, 15N0 0% 00% Methionine, 13C2, 15N1 75% -Methionine, 13C3, 15N0 Morn 50% -Methionine, 13C3, 15N1 25% -Methionine, 13C4, 15N0 100% Methionine, 13C4, 15N1 75% -Methionine, 13C5, 15N1 50% -25% -В В В В Biological triplicate

Valine **GMP** Nit Amm Arg T26 T73 T73 T26 T0 T0 T0 T0 100% 75% -Morn Isotopologue 50% -25% -Valine, 13C0, 15N0 Valine, 13C0, 15N1 100% Valine, 13C1, 15N0 75% -E\e Valine, 13C1, 15N1 Fraction labeled 50% -25% -Valine, 13C2, 15N0 0% Valine, 13C2, 15N1 100% Valine, 13C3, 15N0 75% -Morn 50% -Valine, 13C3, 15N1 25% -Valine, 13C4, 15N0 Valine, 13C4, 15N1 100% Valine, 13C5, 15N0 75% -E\e 50% -Valine, 13C5, 15N1 25% -В В Α Biological triplicate

Isoleucine



Leucine T0

