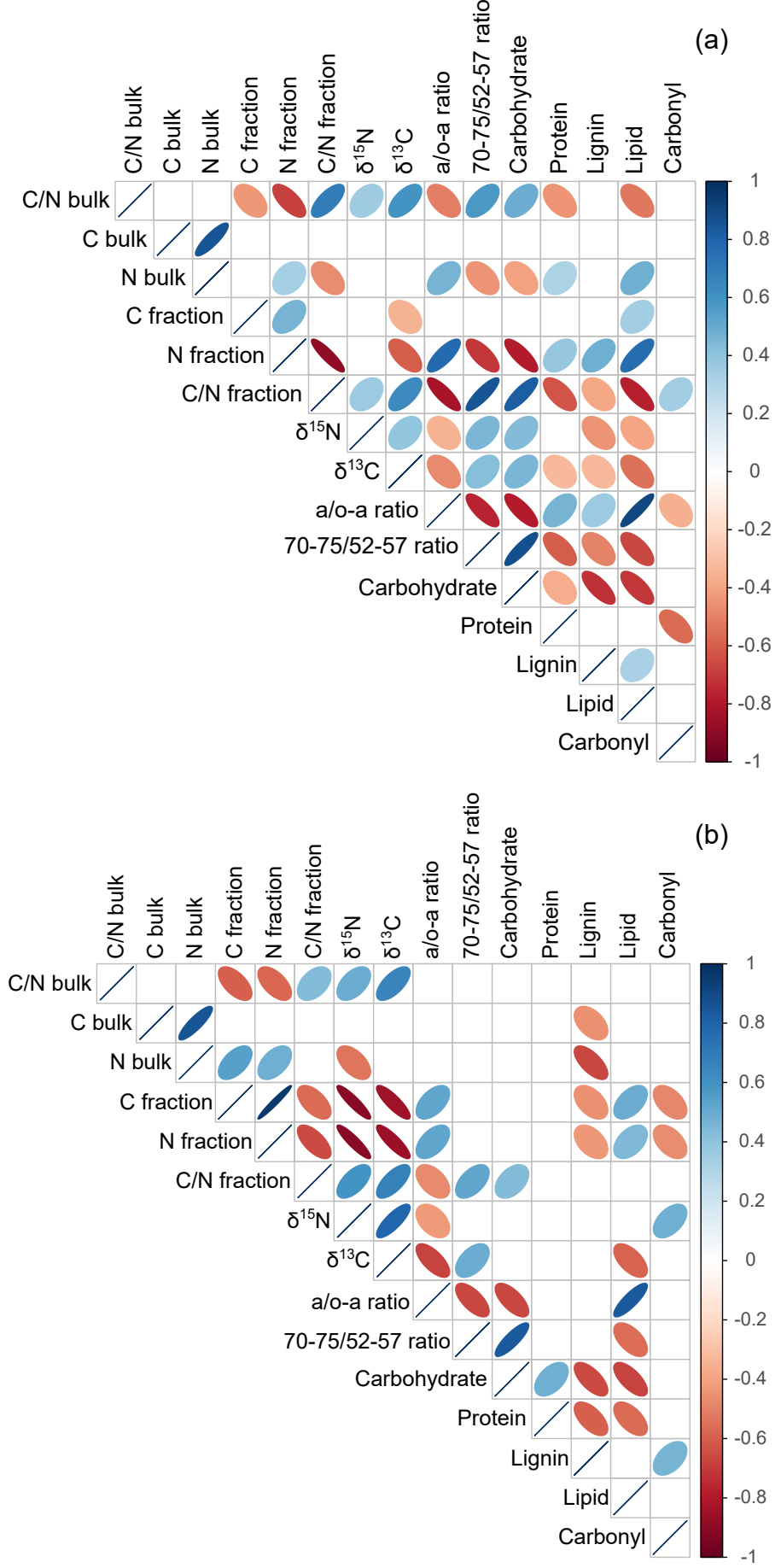
(a)
C/N bulk
C bulk
N bulk
C fraction
N fraction
C/N fraction
δ15N
δ13C
a/o-a ratio
70-75/52-57 ratio
Carbohydrate
Protein
Lignin
Lipid
Carbonyl
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
(b)
C/N bulk
C bulk
N bulk
C fraction
N fraction
C/N fraction
δ15N
δ13C
a/o-a ratio
70-75/52-57 ratio
Carbohydrate
Protein
Lignin
Lipid
Carbonyl
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1