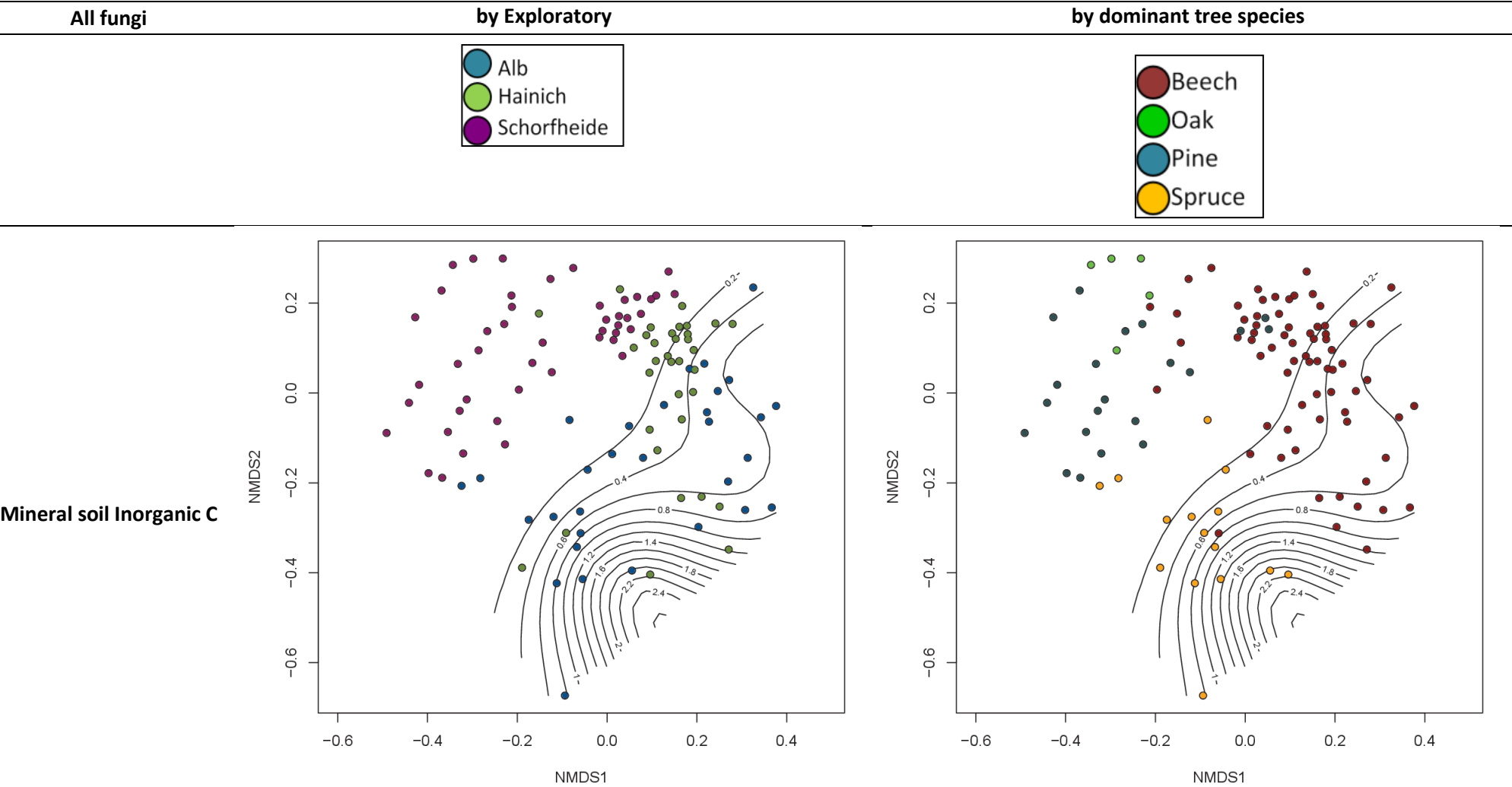
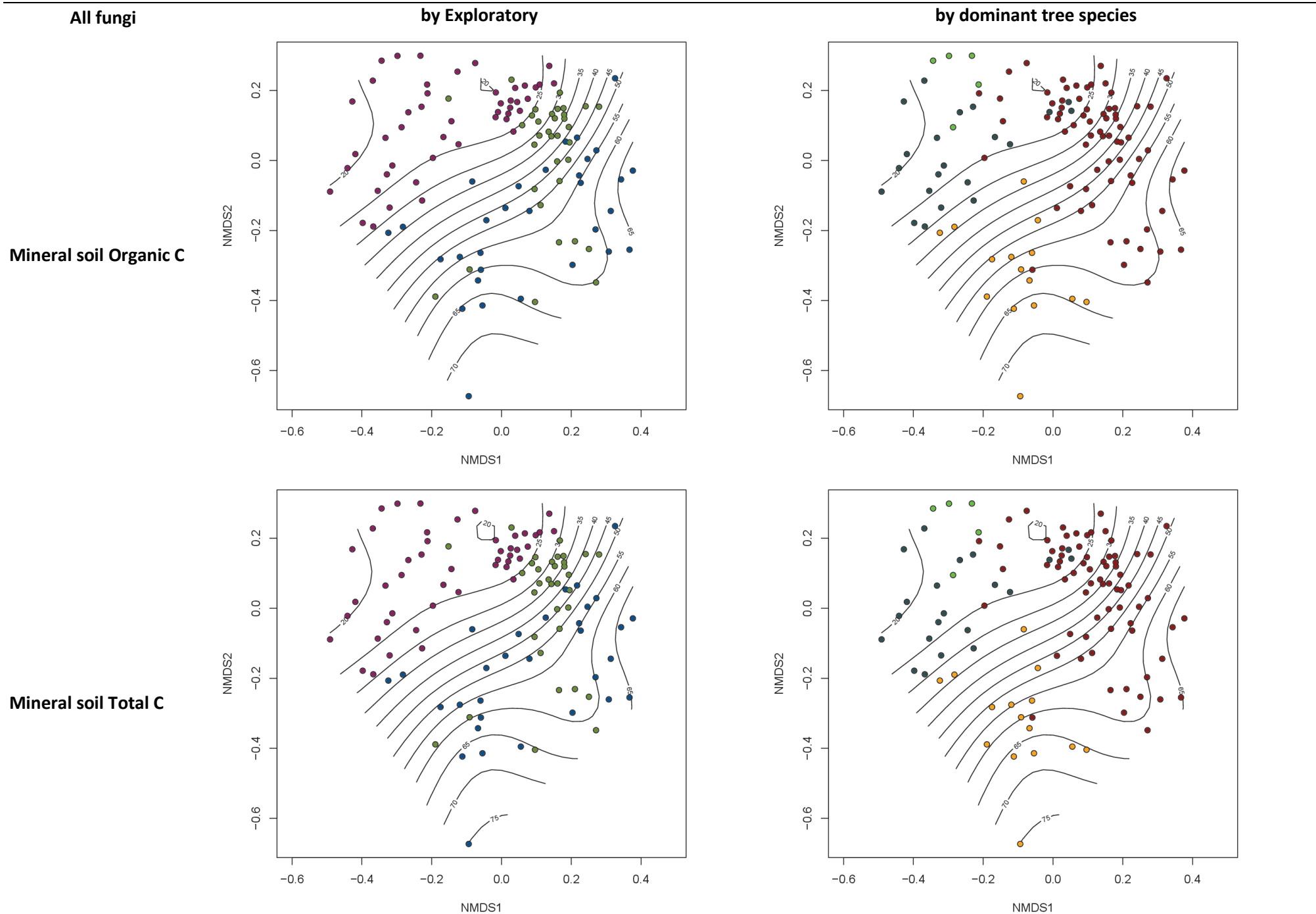


Supplementary Figure S5: NMDS of fungal communities, with ordisurf for different variables. A) All fungi b) Em c) saprophytes d) unknown  
a) All fungi



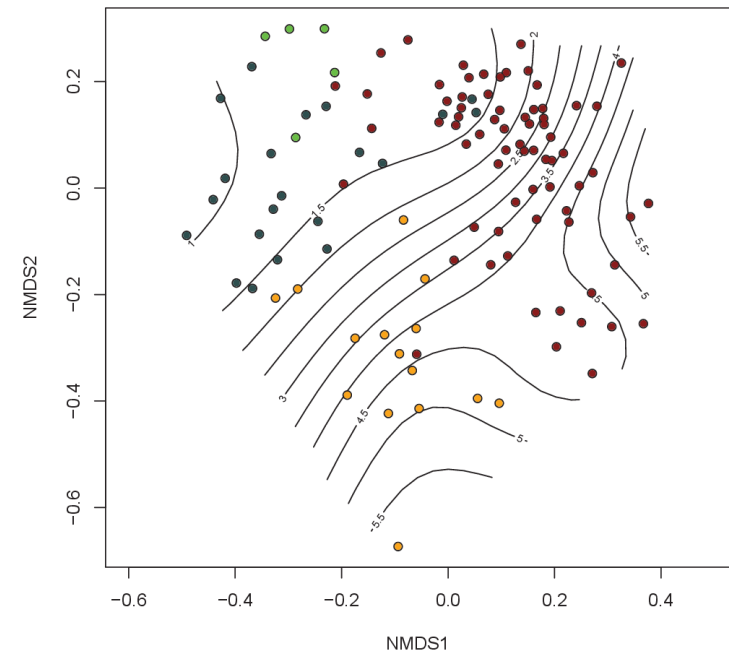
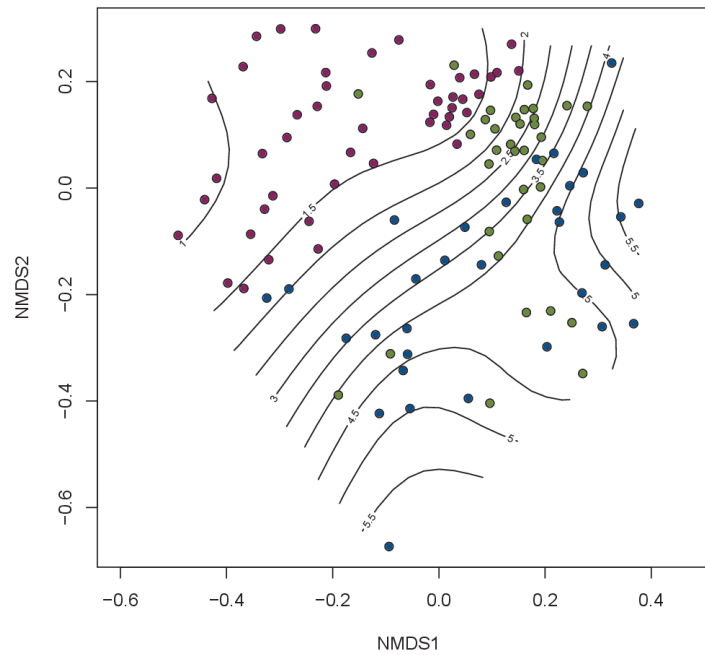


All fungi

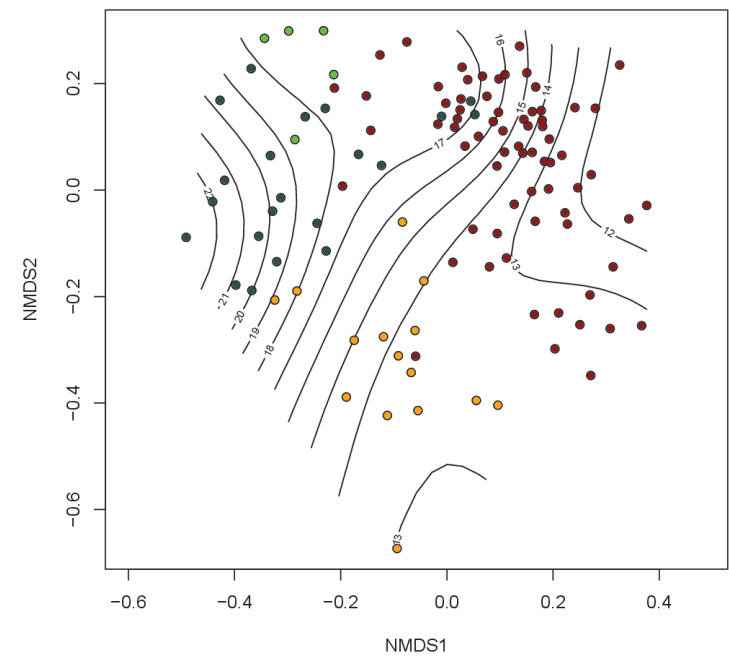
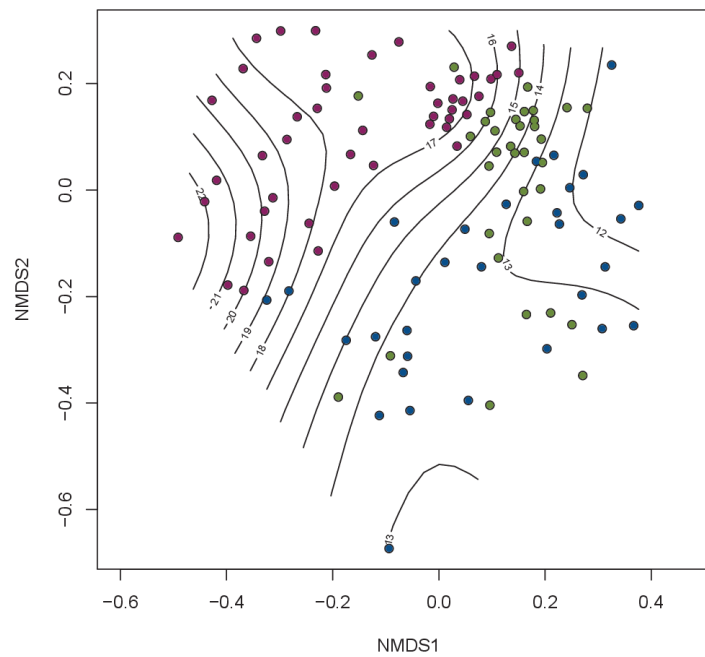
by Exploratory

by dominant tree species

Mineral soil Total N



Mineral soil CN ratio

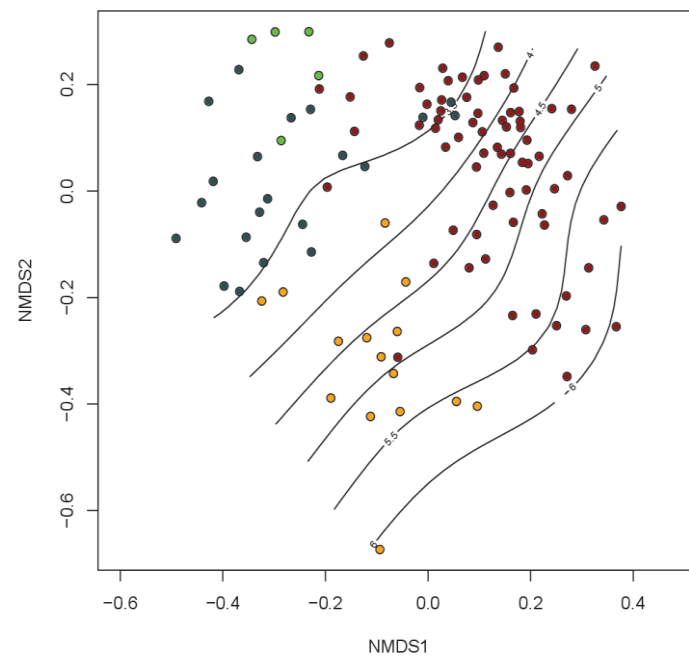
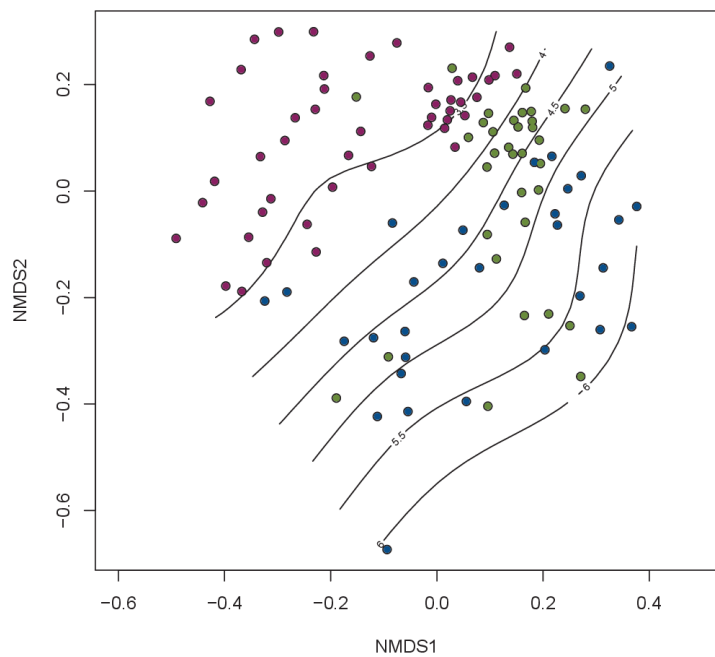


All fungi

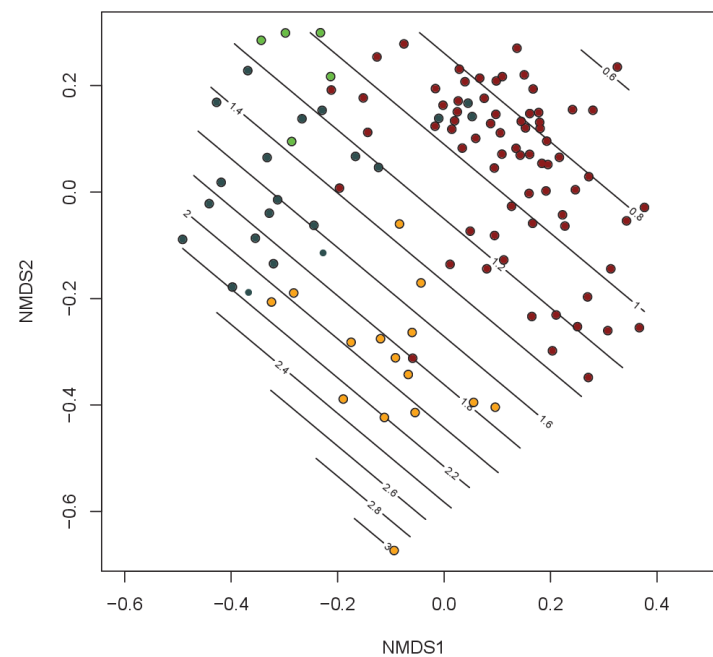
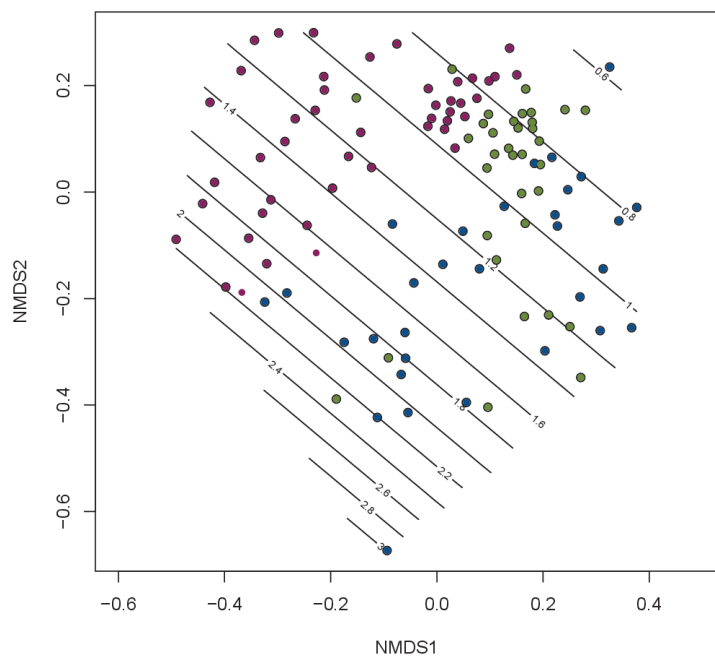
by Exploratory

by dominant tree species

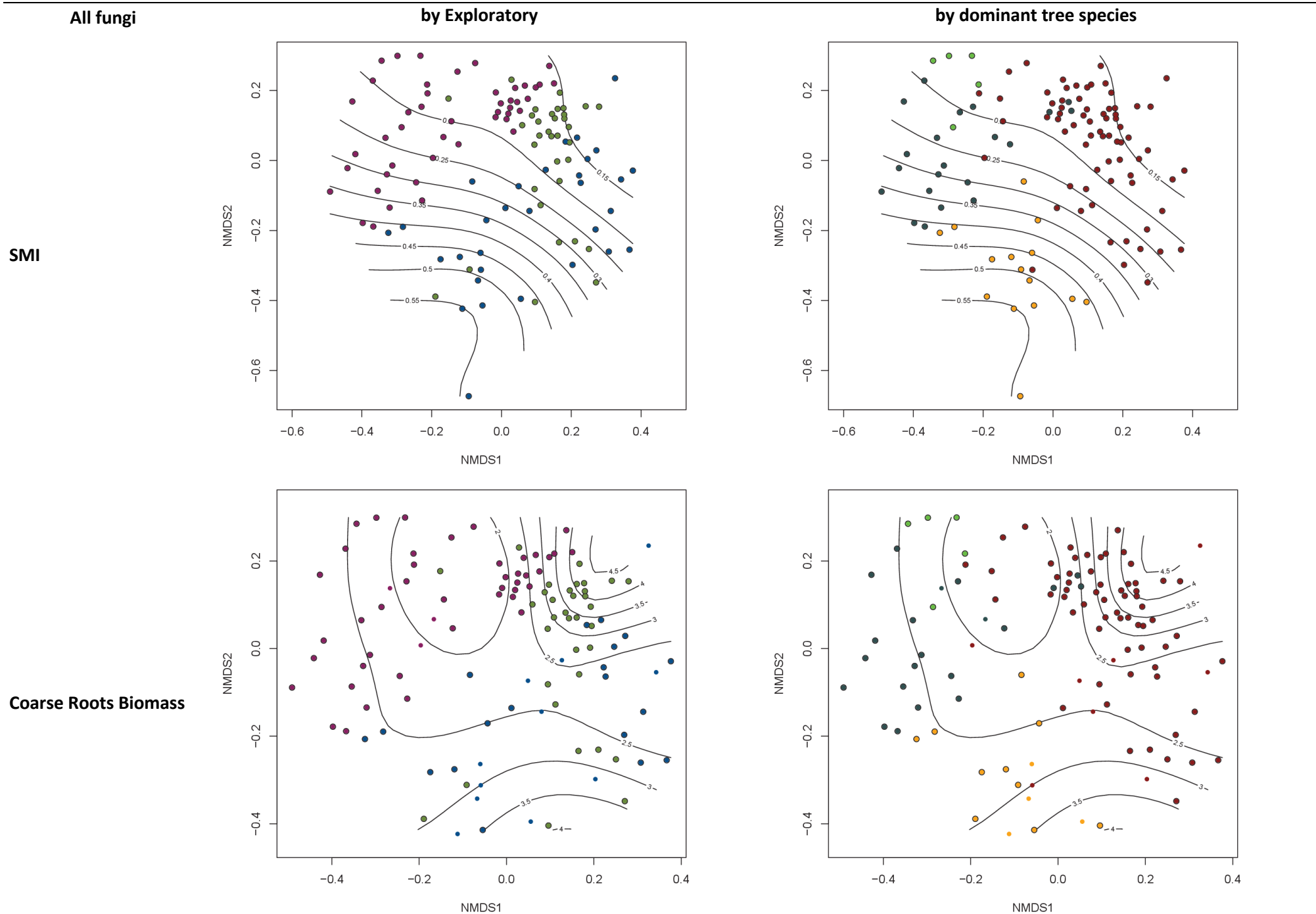
Mineral soil pH 1



ForMI





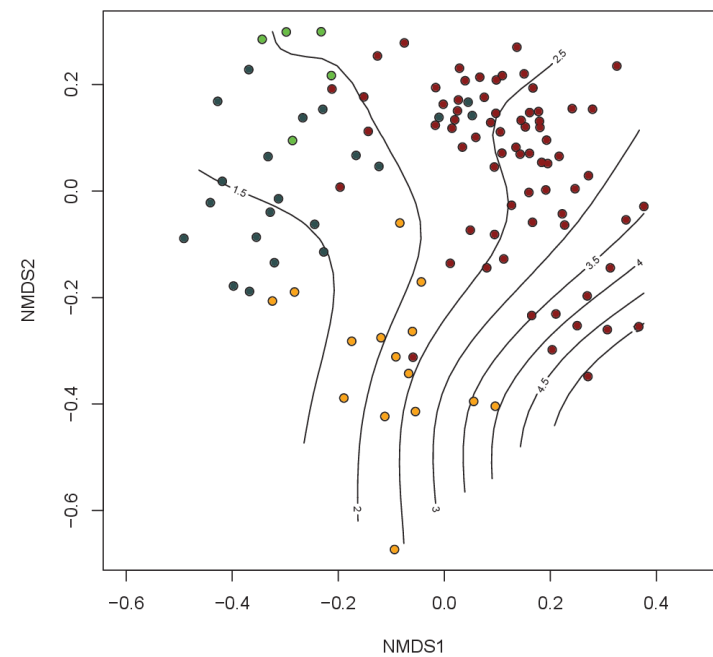
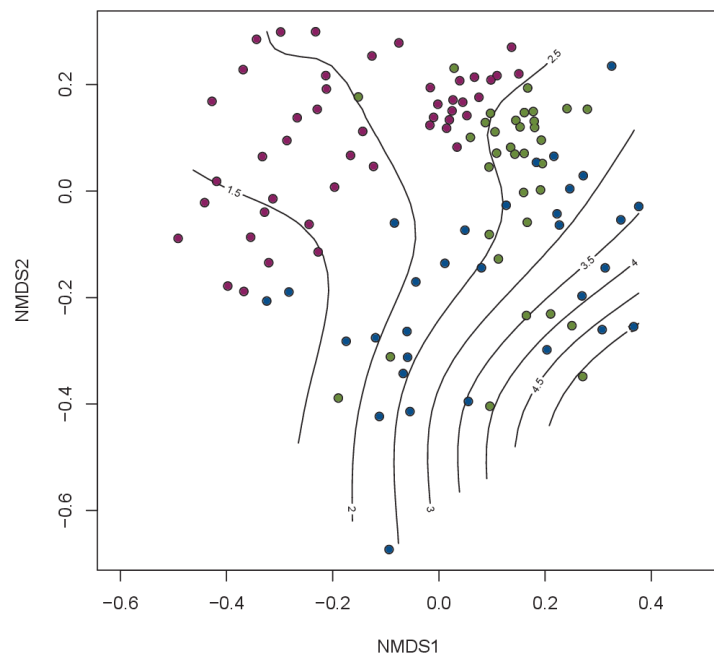


All fungi

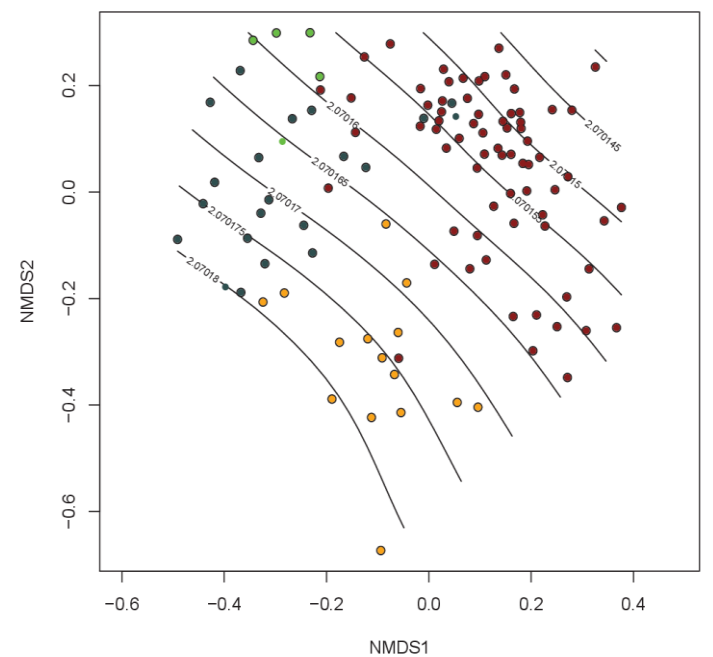
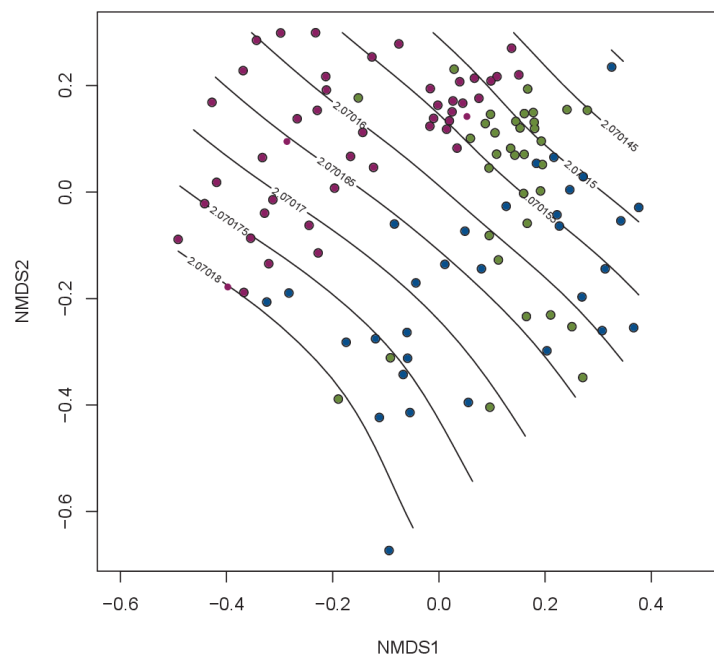
by Exploratory

by dominant tree species

Fine Roots Biomass



Root fructose content

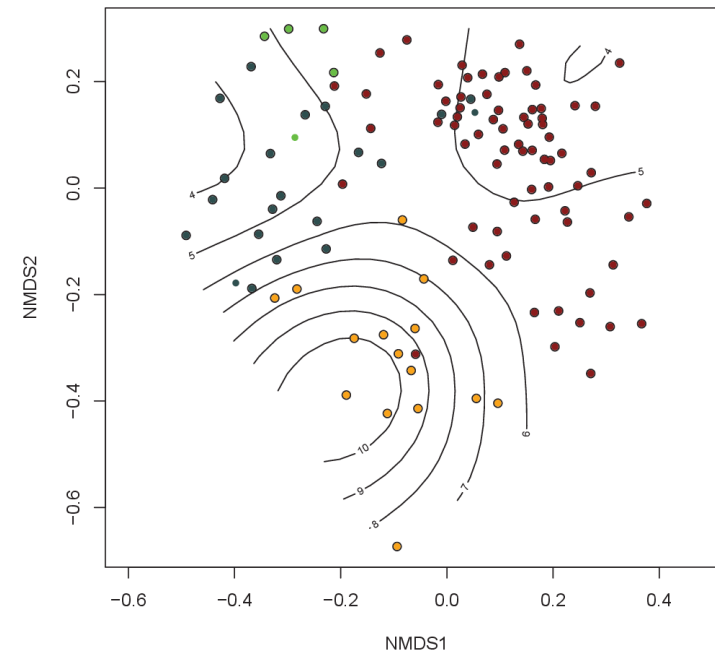
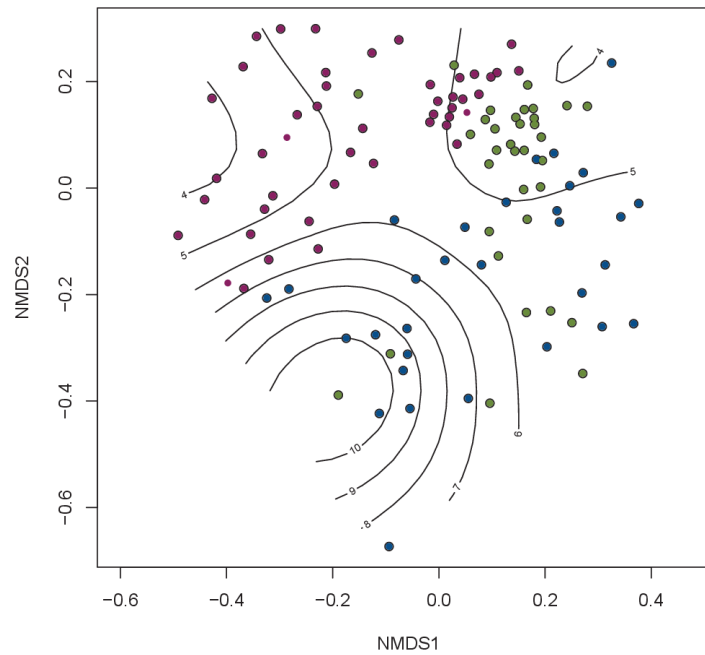


All fungi

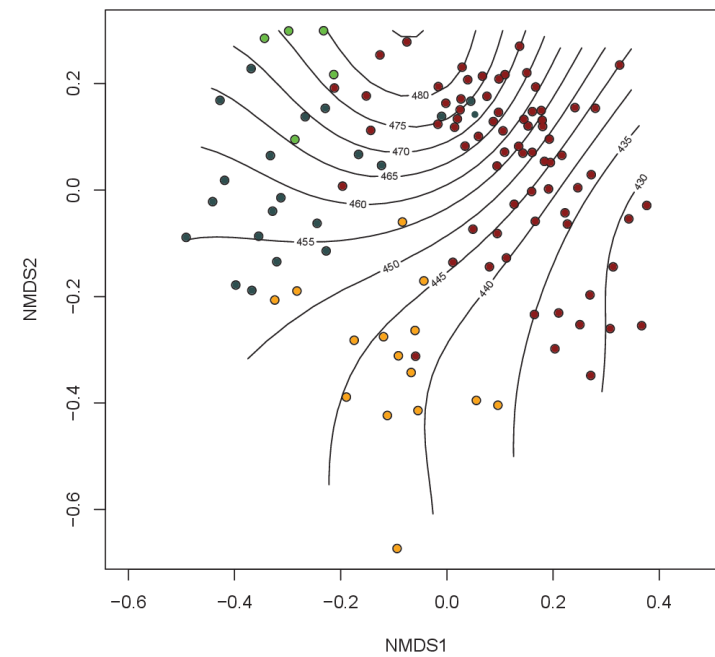
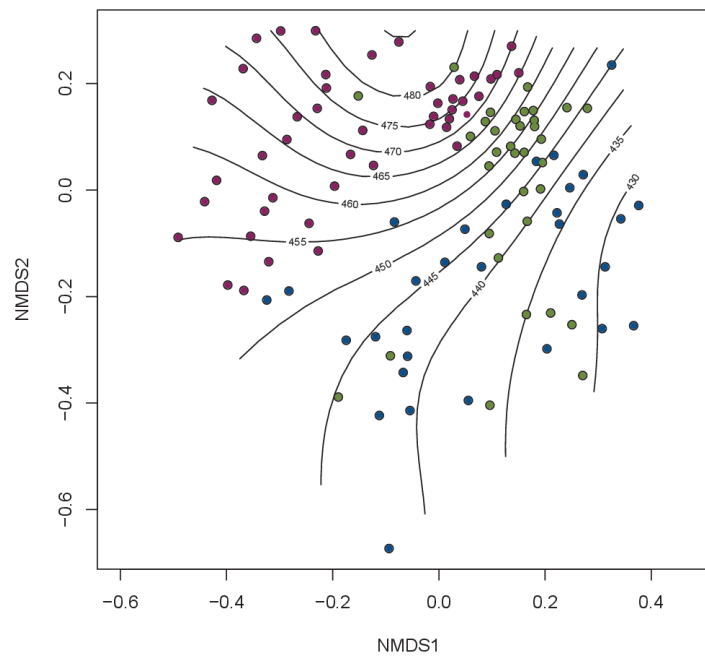
by Exploratory

by dominant tree species

Root glucose content



Root C content

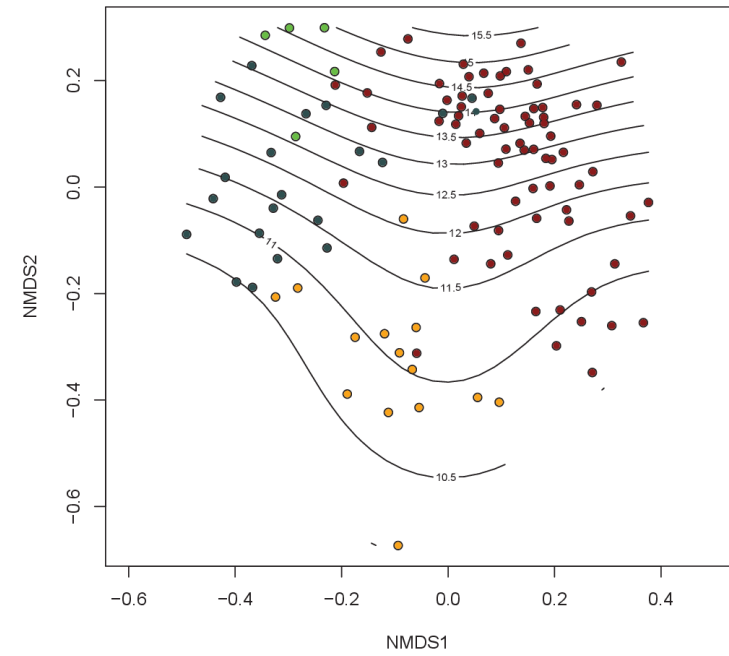
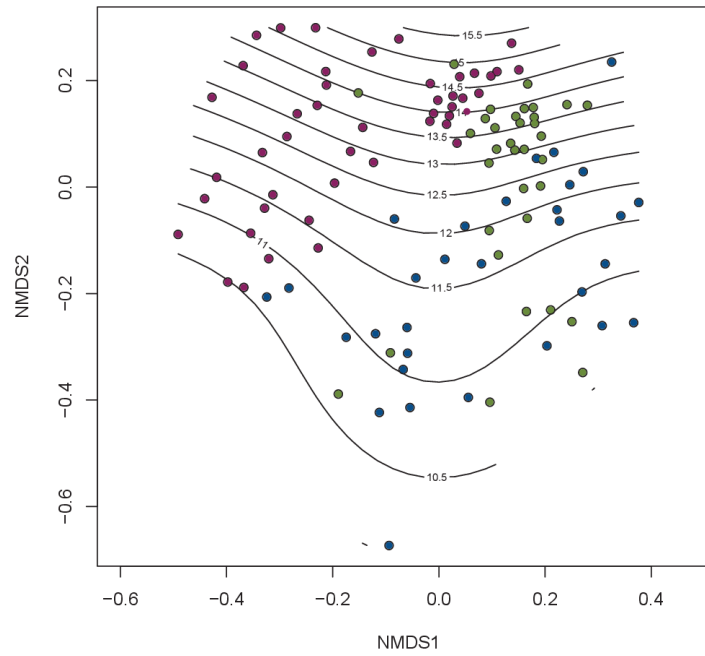


All fungi

by Exploratory

by dominant tree species

Root N content



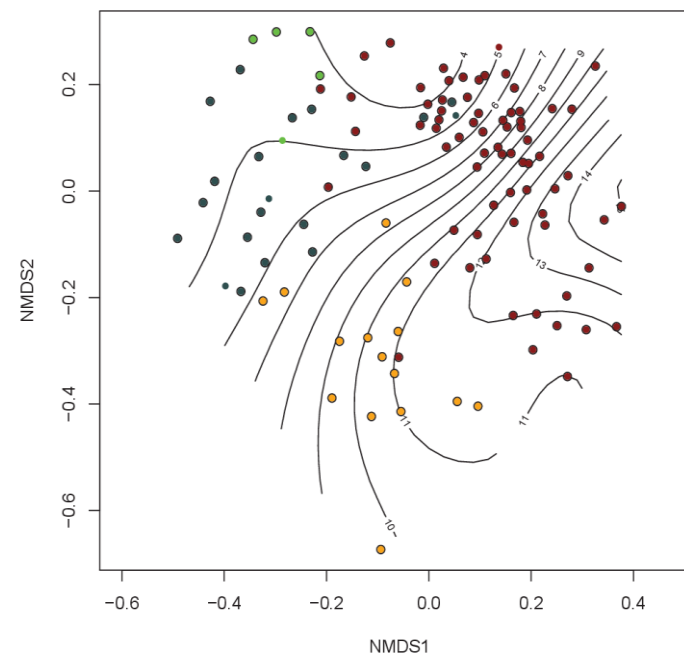
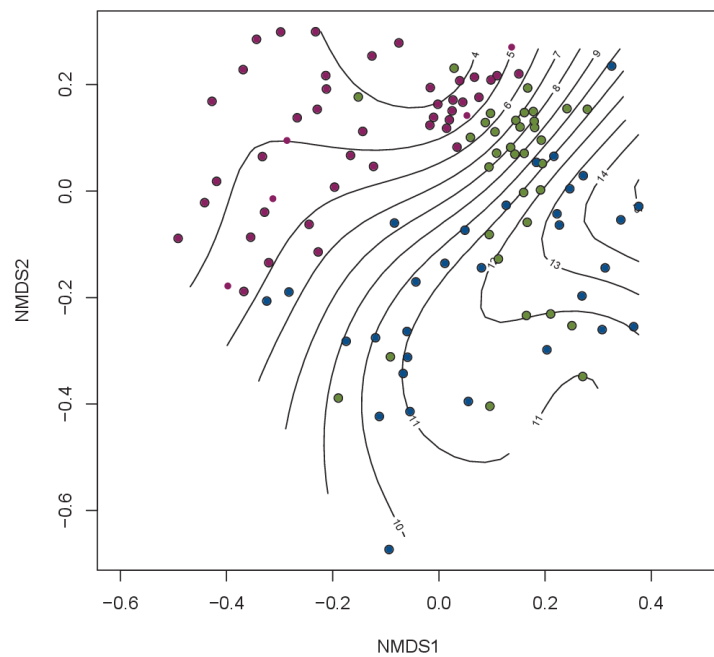
Root CN ratio

All fungi

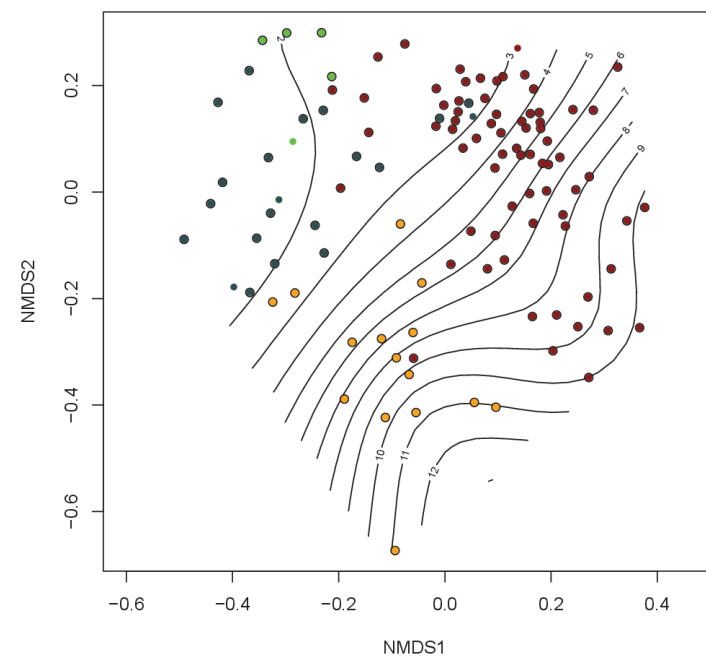
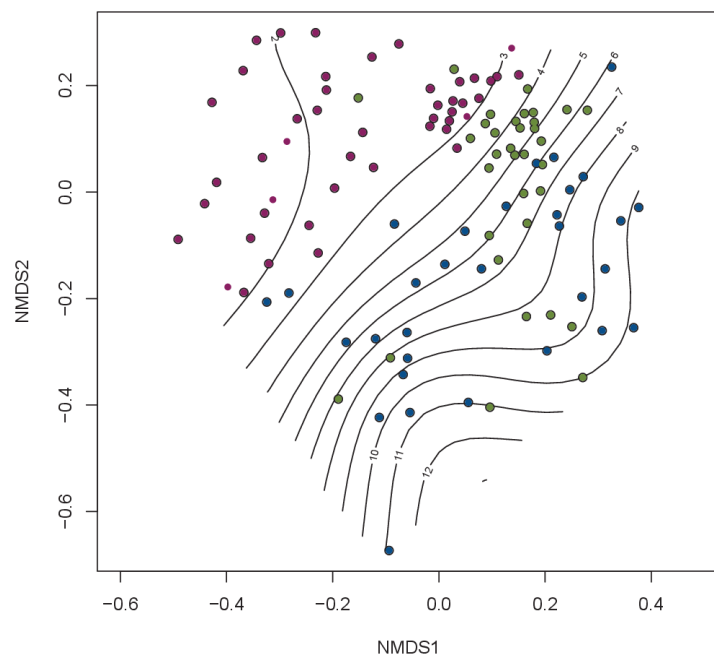
by Exploratory

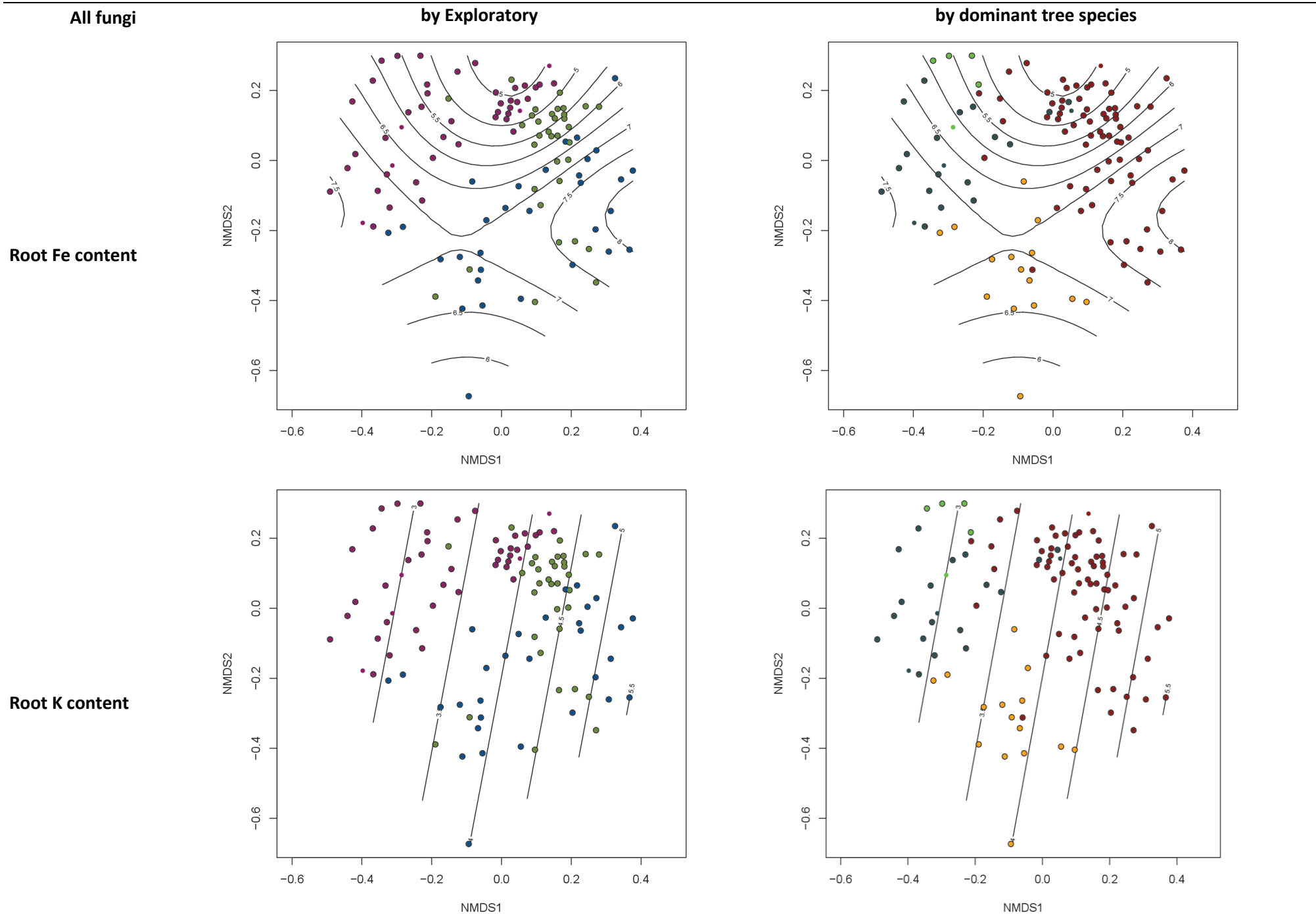
by dominant tree species

Root Al content



Root Ca content





by Exploratory

**by dominant tree species**

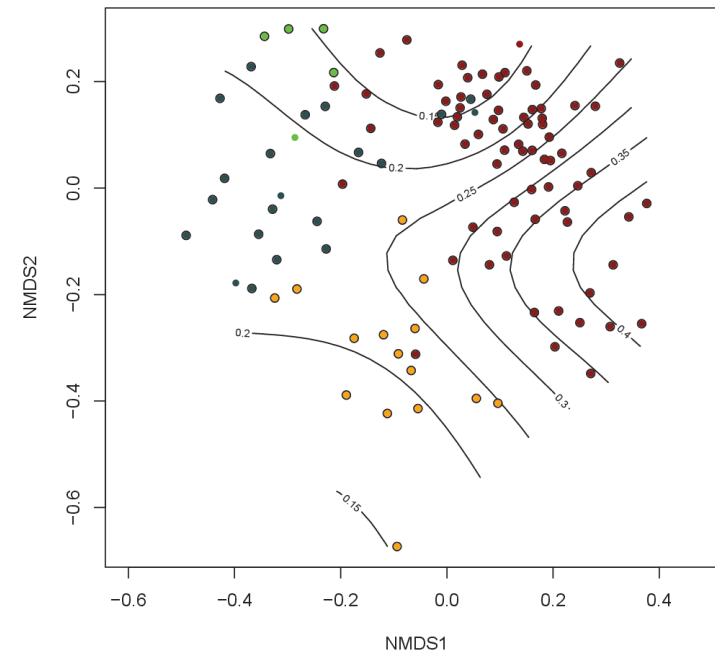
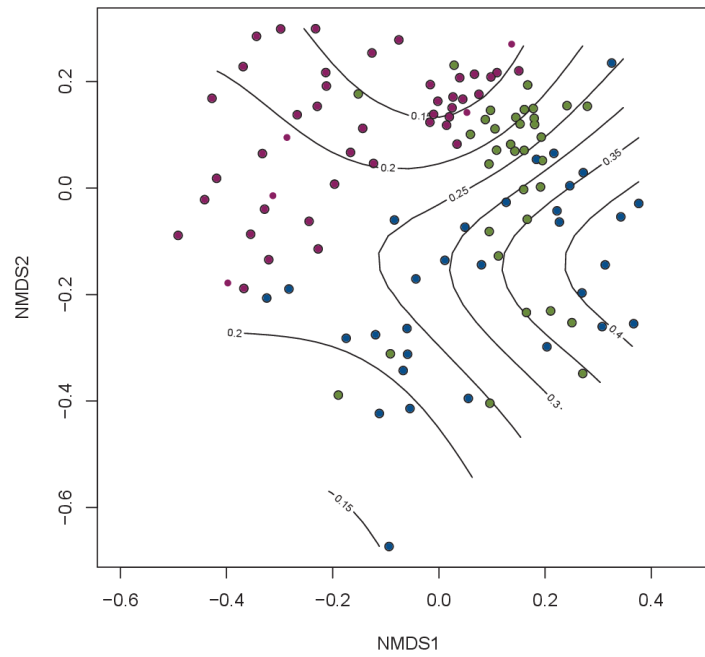
This figure is an NMDS plot showing the first two axes, NMDS1 (x-axis) and NMDS2 (y-axis). The x-axis ranges from -0.6 to 0.4, and the y-axis ranges from -0.6 to 0.2. The plot displays 100 samples, represented by purple and blue dots. The samples are grouped into two main clusters: a purple cluster on the left (NMDS1 < 0) and a blue cluster on the right (NMDS1 > 0). Several curved lines are drawn across the plot, representing the 100 samples. These lines are labeled with values: 0.0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 2.0. The lines generally follow a curved path from the top left towards the bottom right, with some lines forming loops or curves around the clusters.

All fungi

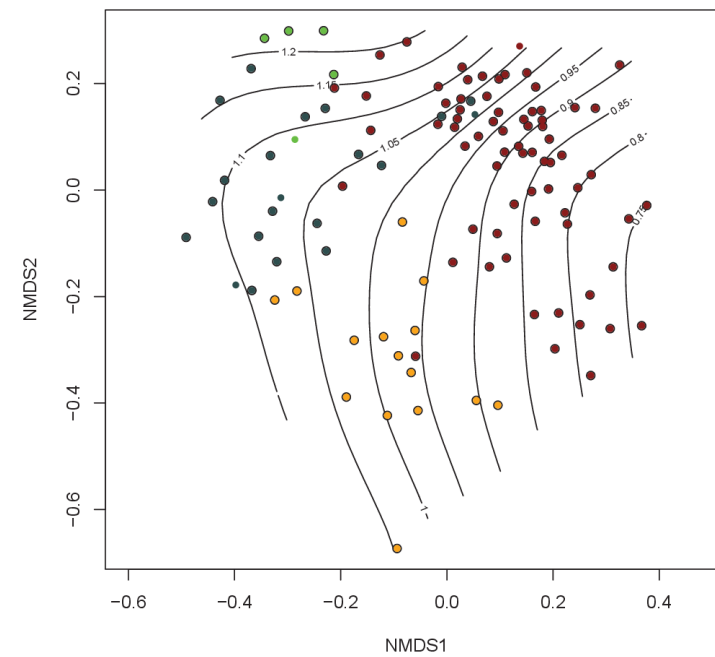
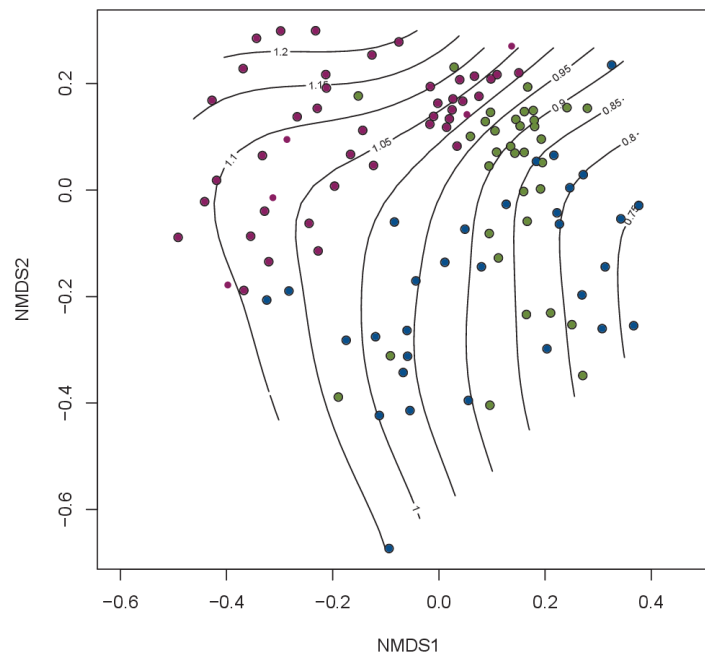
by Exploratory

by dominant tree species

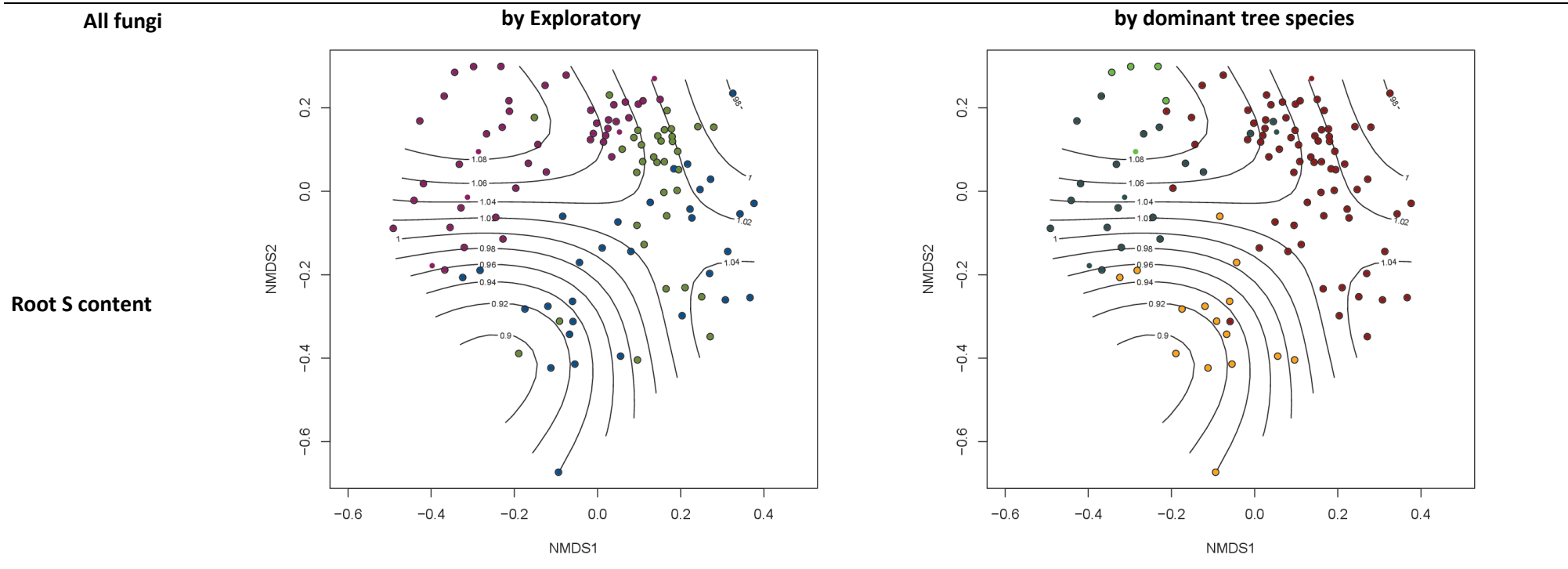
Root Na content



Root P content







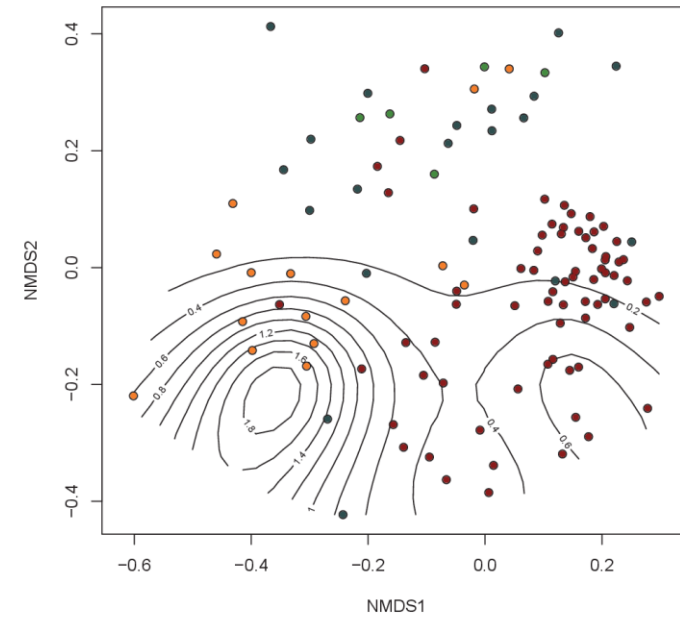
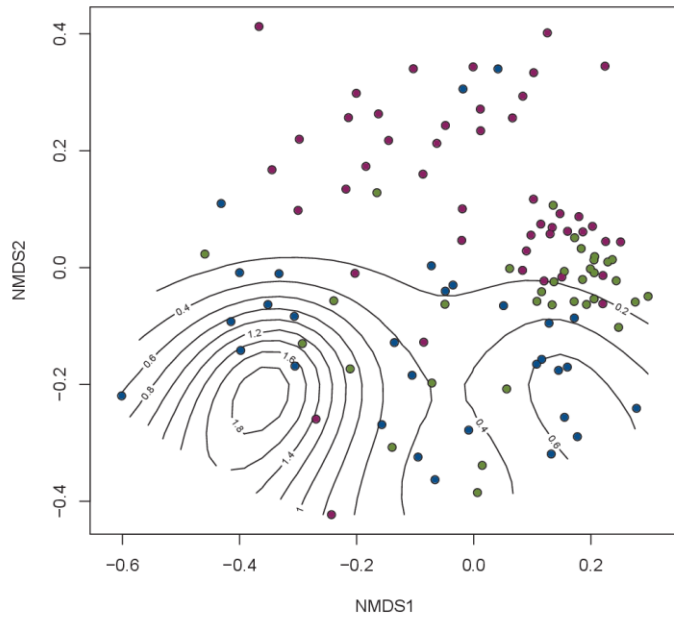
b) EM

EM

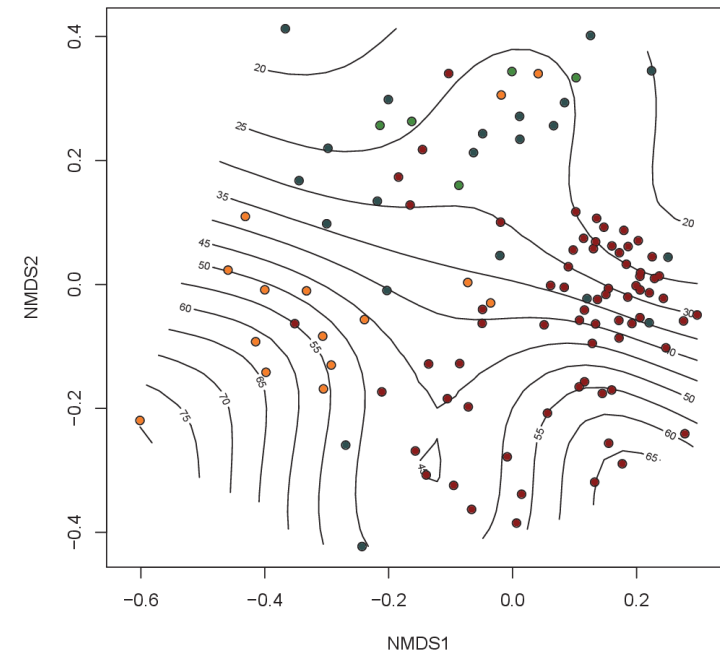
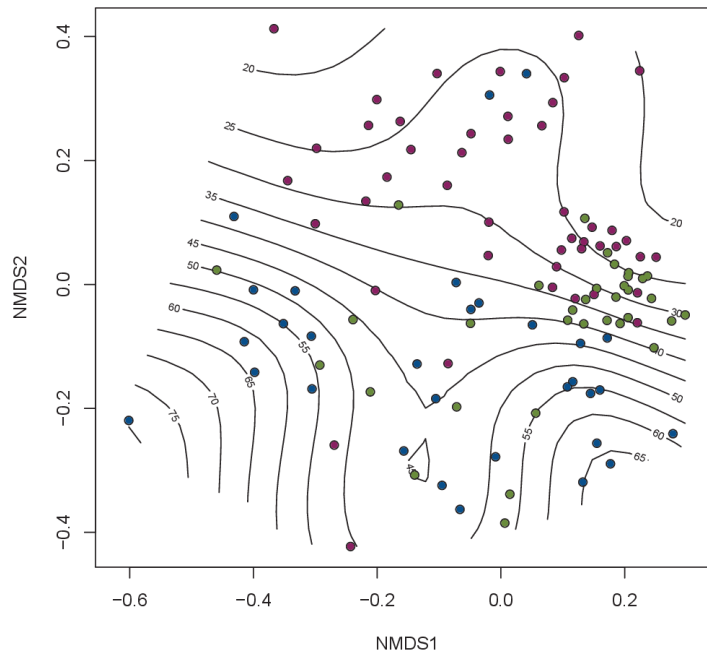
by Exploratory

by dominant tree species

Mineral soil  
Inorganic C



Mineral soil Organic  
C

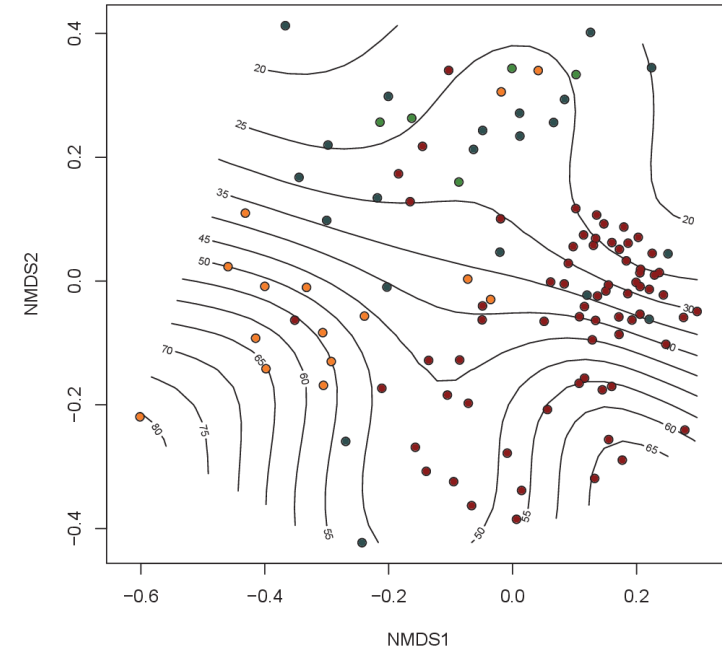
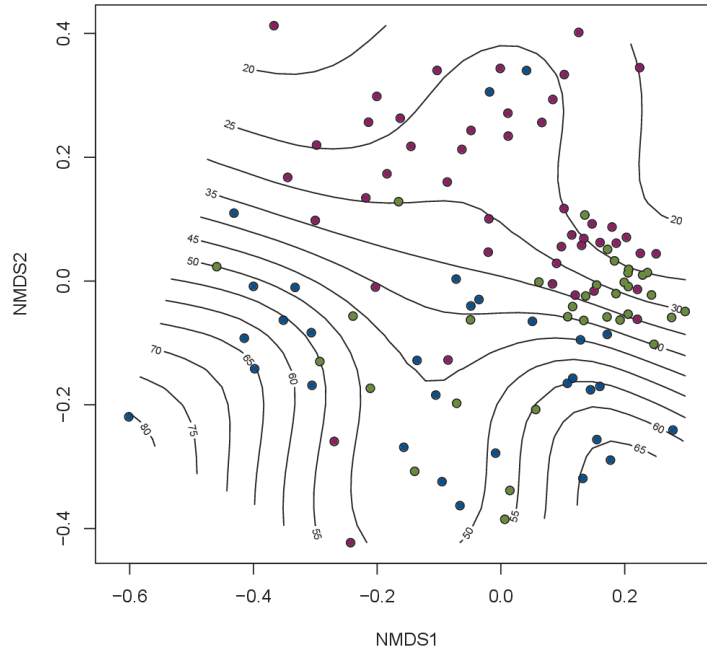


EM

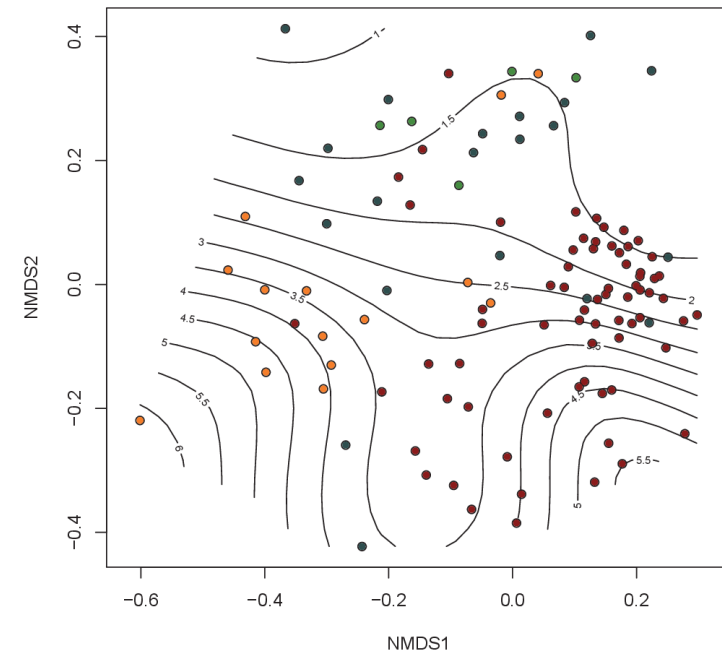
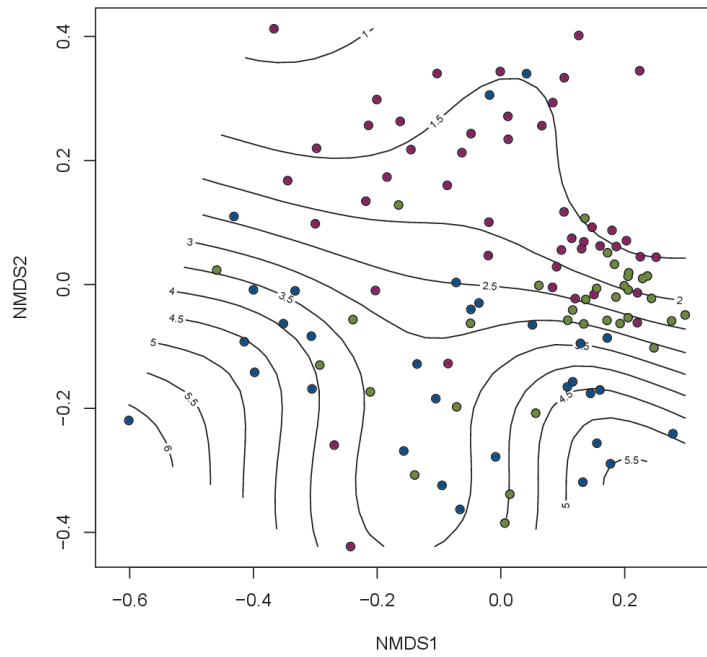
by Exploratory

by dominant tree species

Mineral soil Total C



Mineral soil Total N

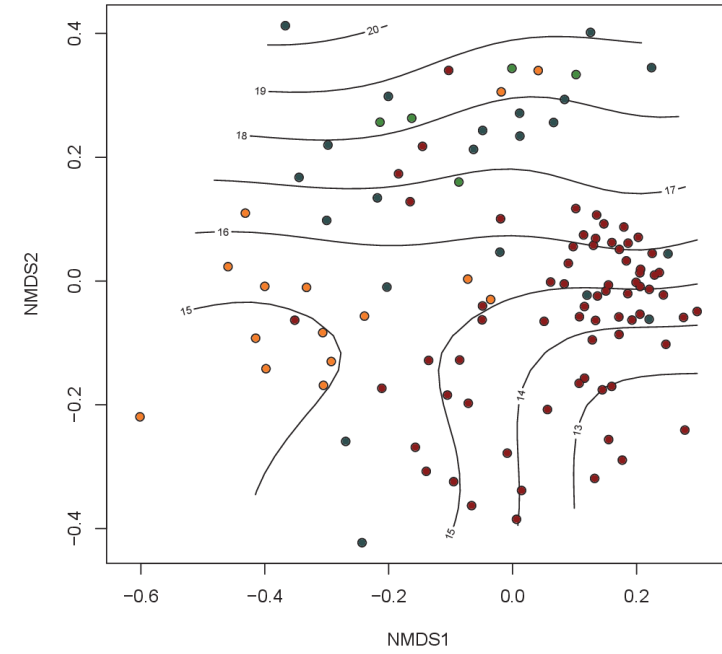
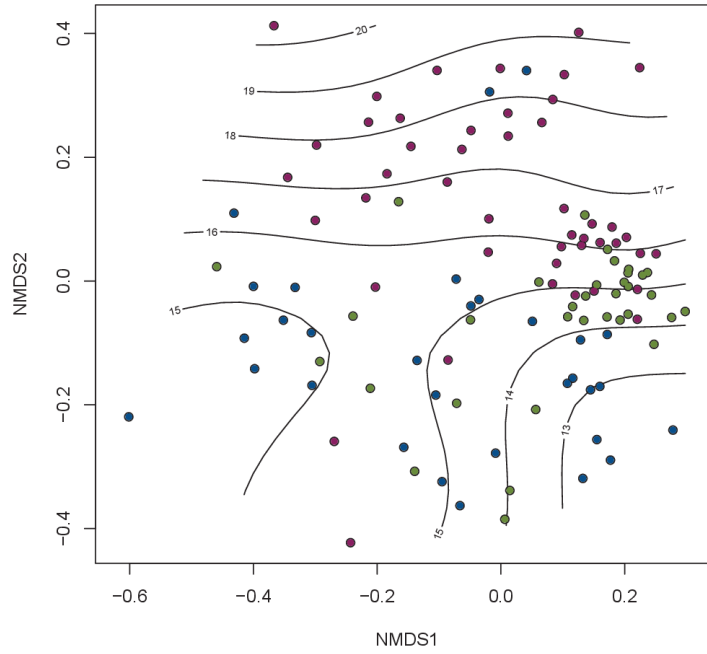


EM

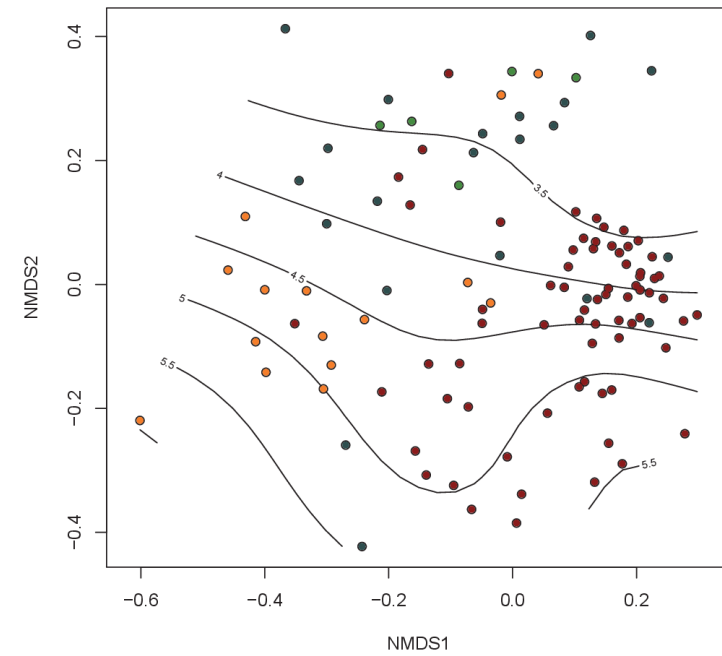
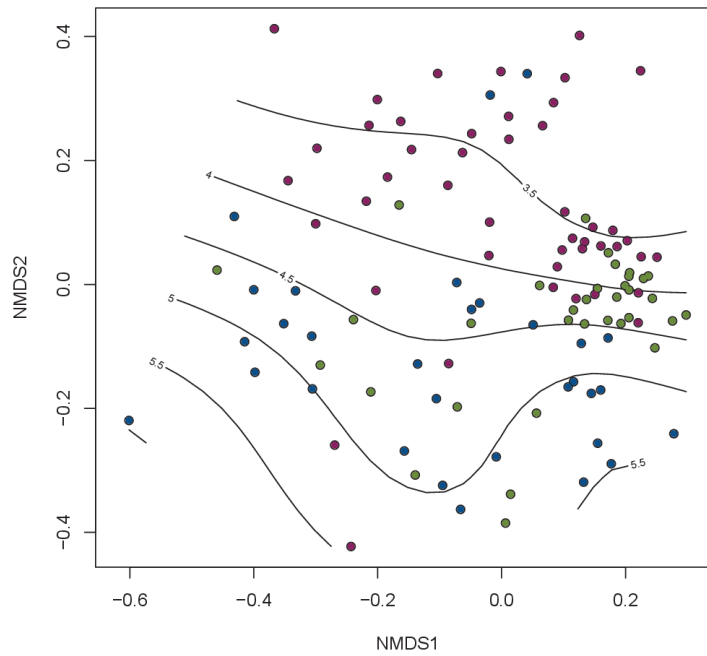
by Exploratory

by dominant tree species

Mineral soil CN  
ratio



Mineral soil pH 1

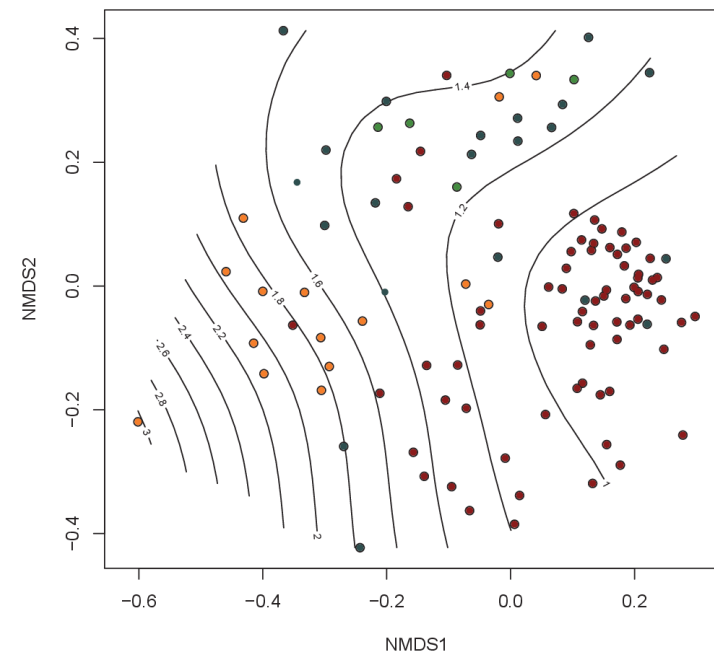
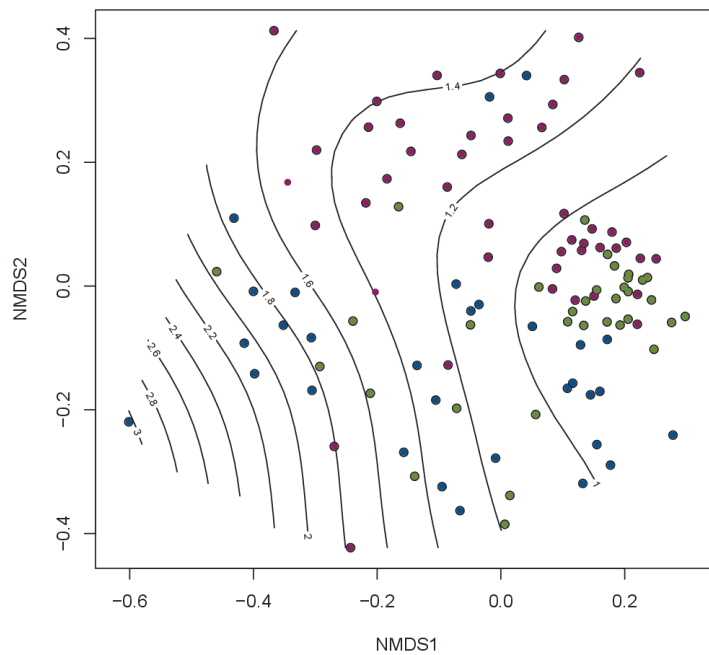


EM

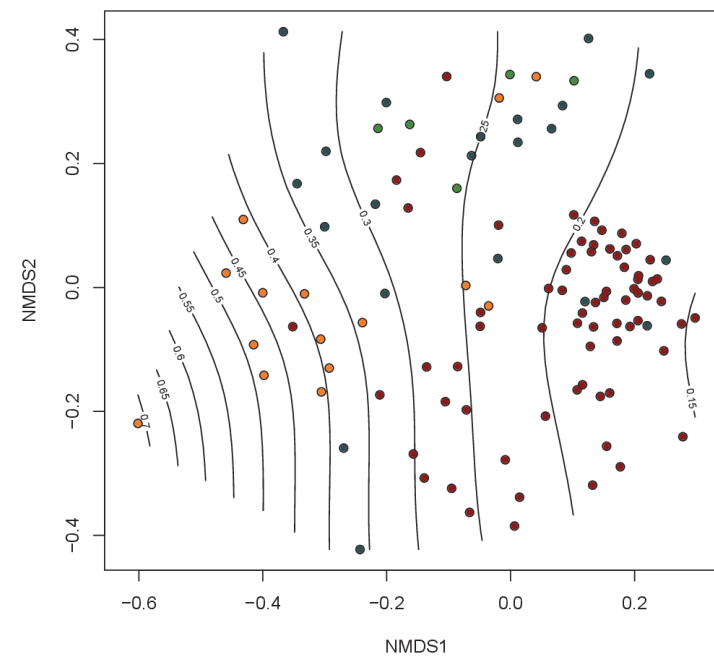
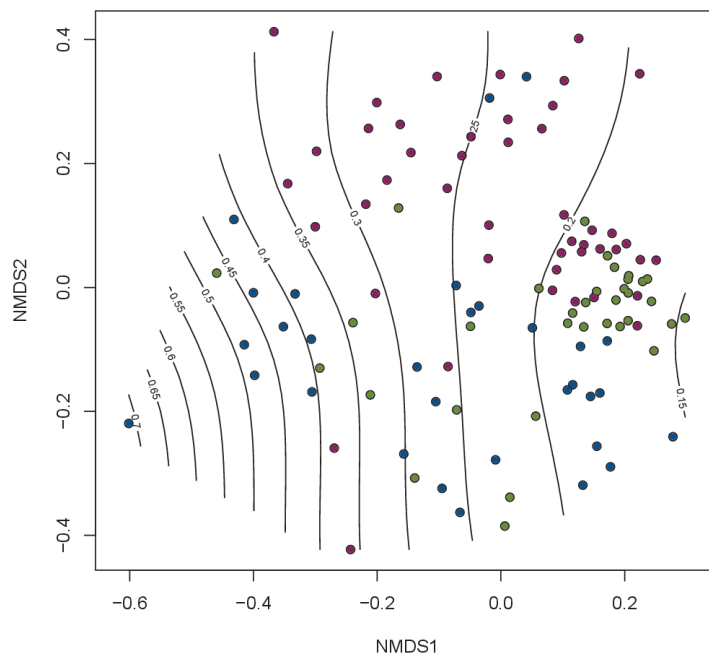
by Exploratory

by dominant tree species

ForMI



SMI

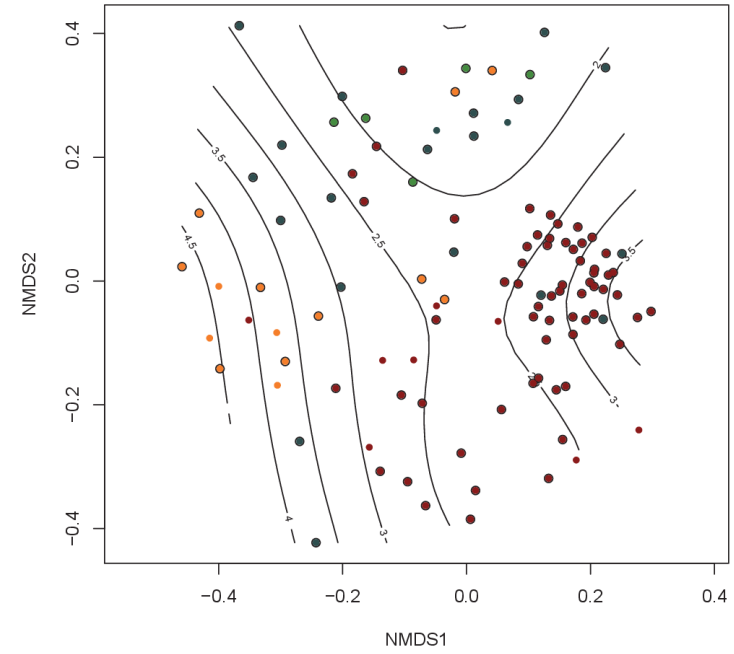
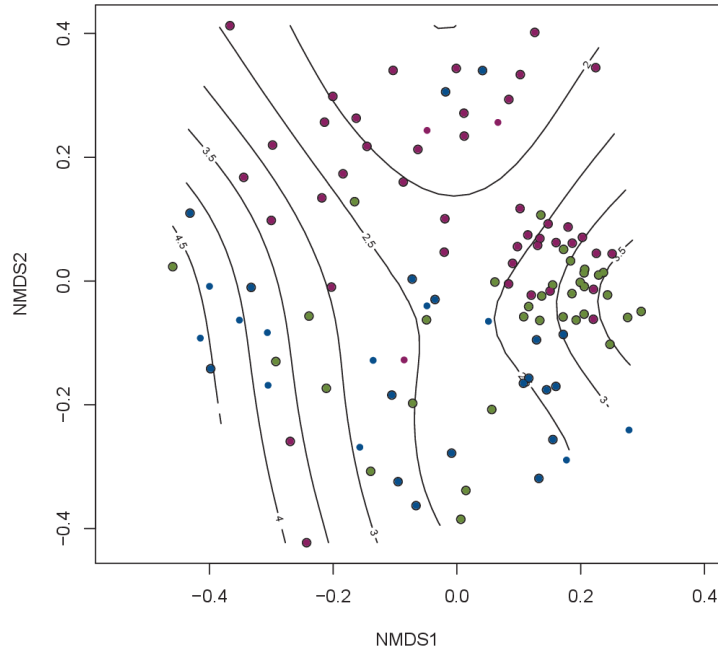


EM

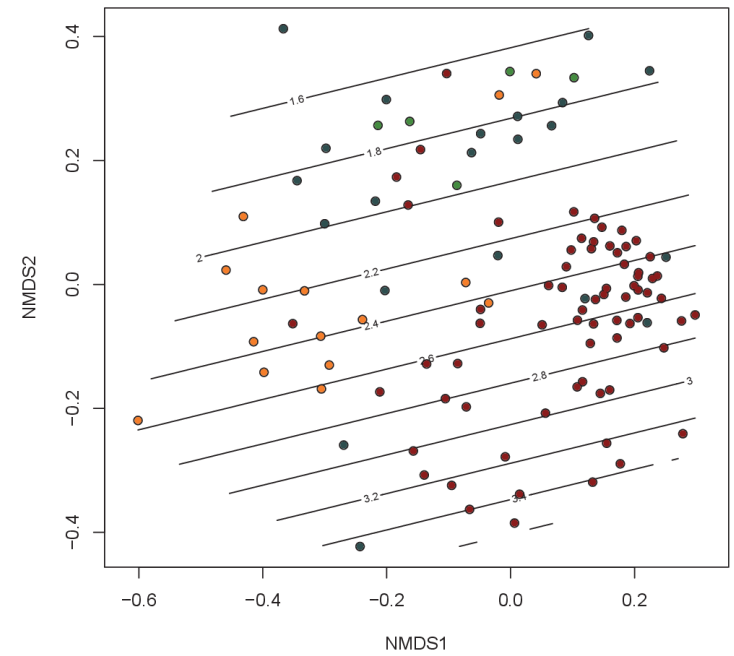
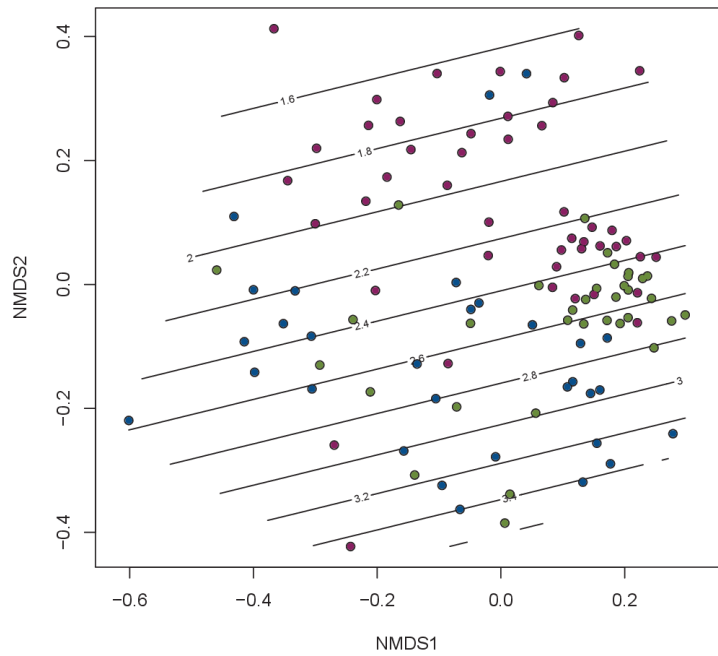
by Exploratory

by dominant tree species

Coarse Roots  
Biomass



Fine Roots Biomass

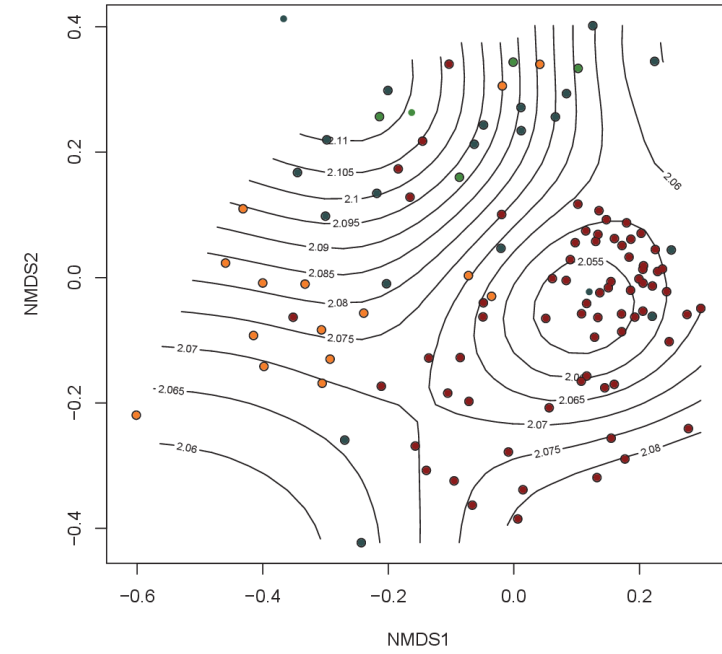
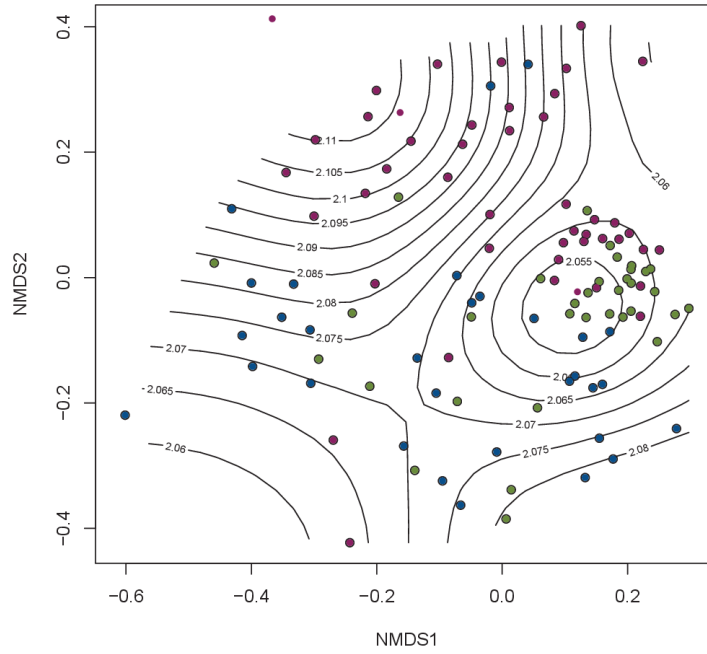


EM

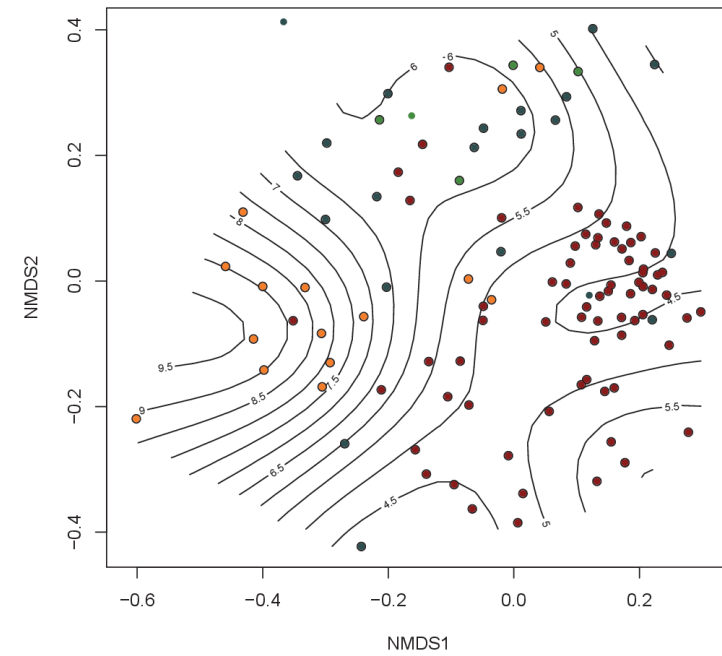
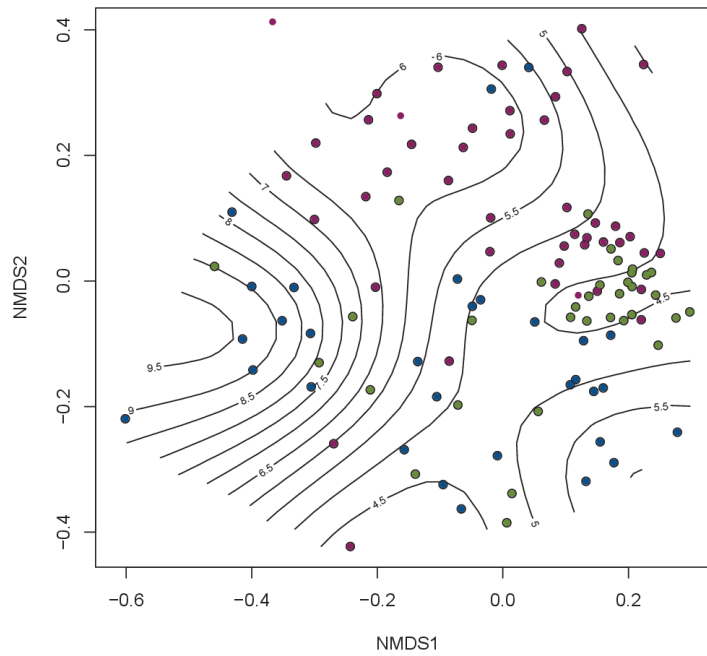
by Exploratory

by dominant tree species

Root fructose  
content



Root glucose  
content

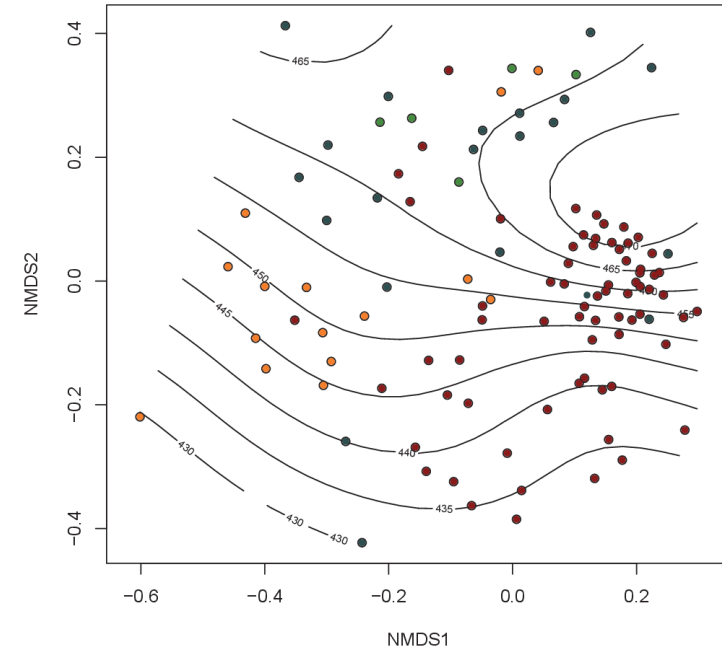
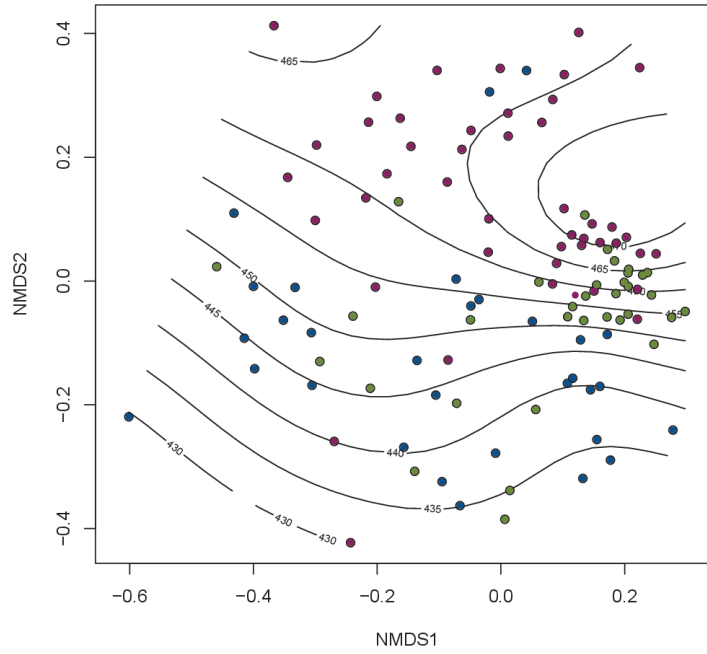


EM

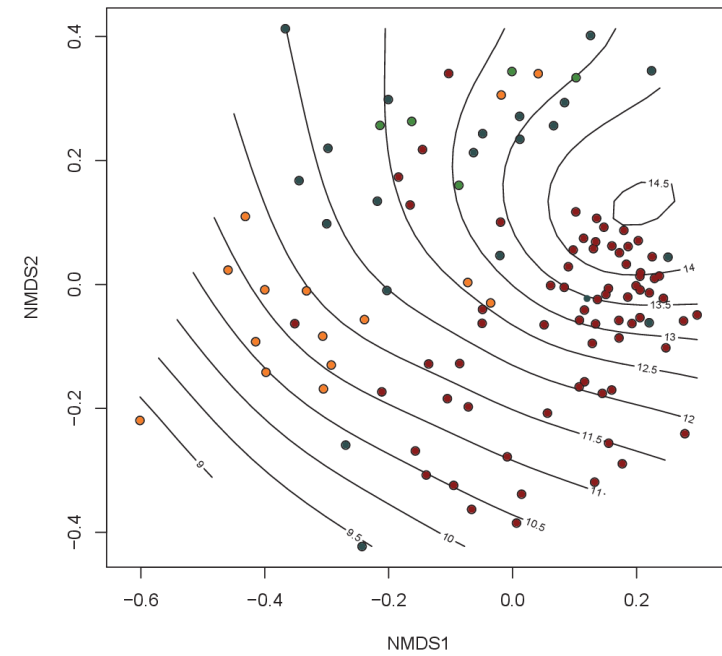
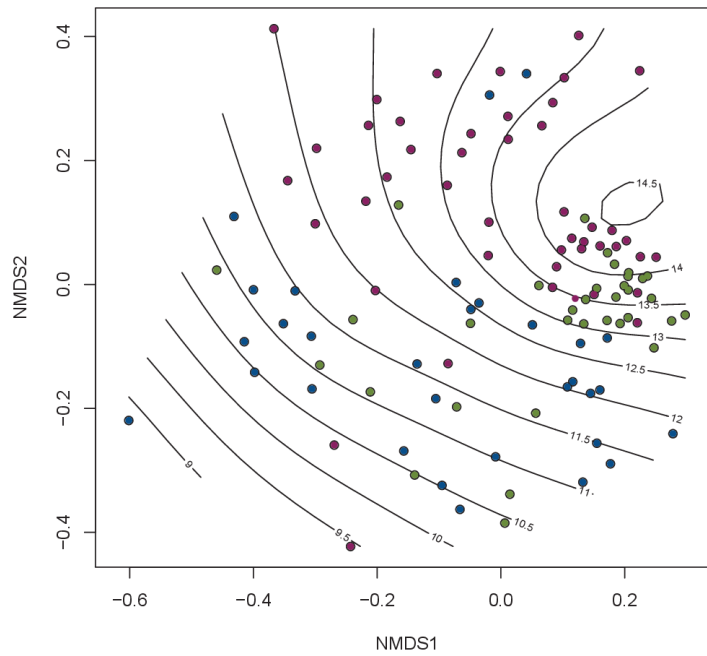
by Exploratory

by dominant tree species

Root C content



Root N content



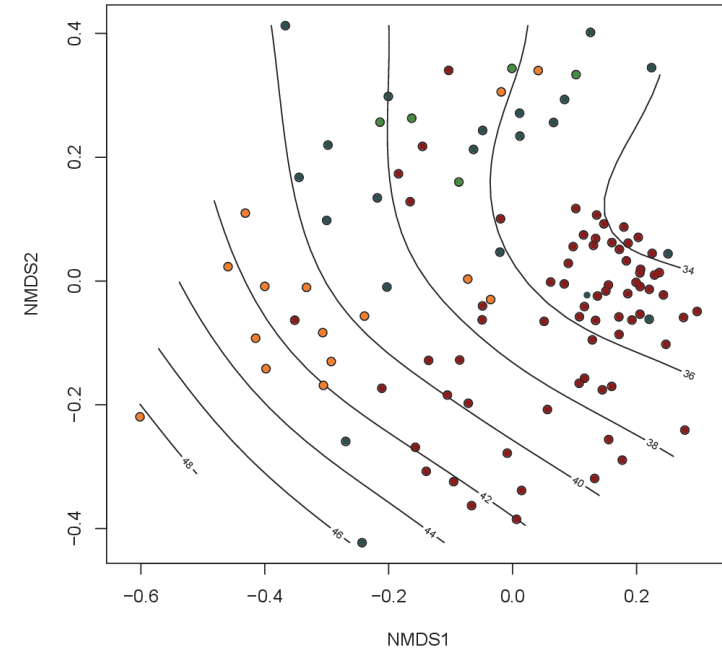
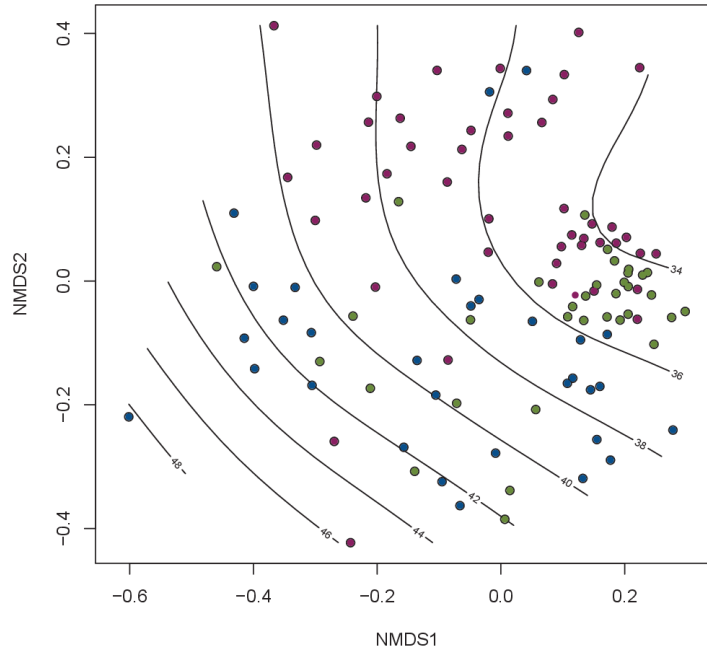


EM

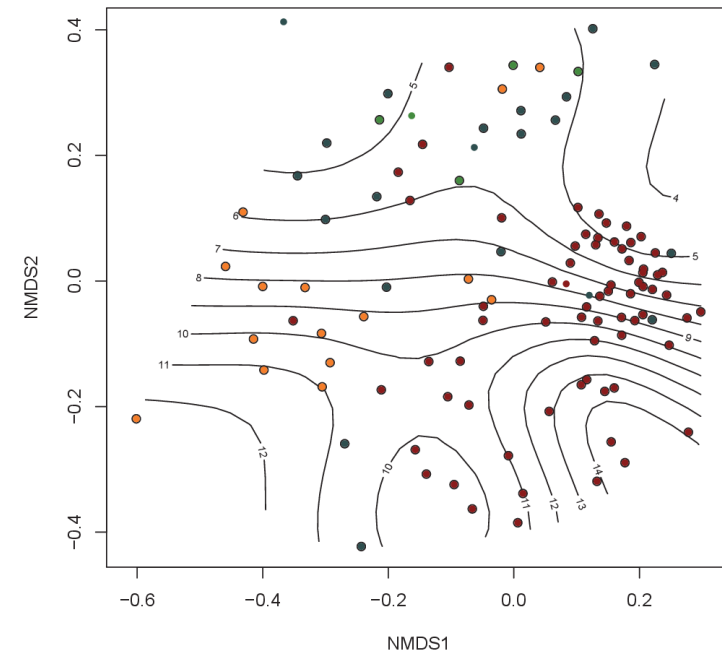
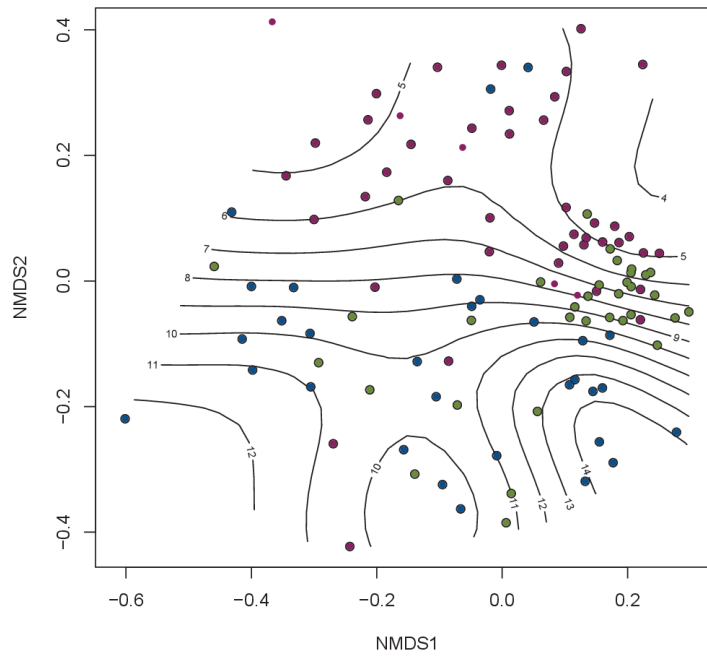
by Exploratory

by dominant tree species

Root CN ratio



Root AI content

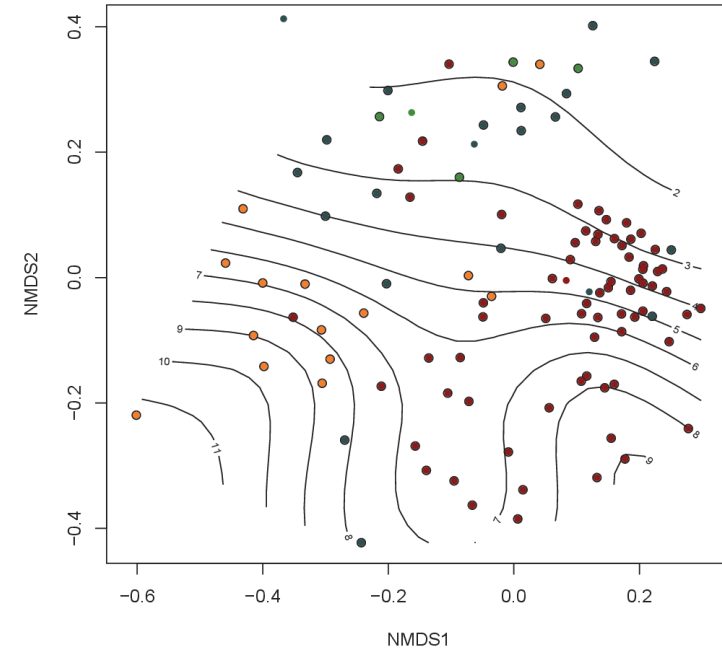
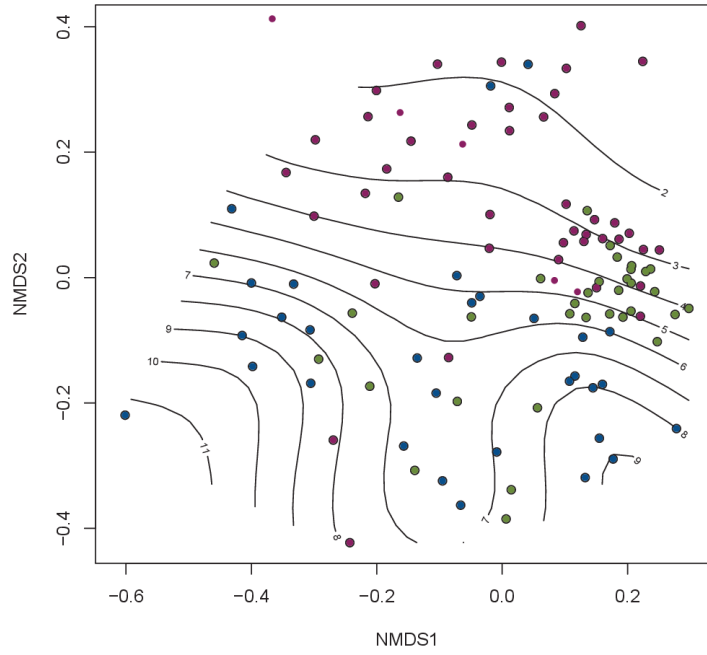


EM

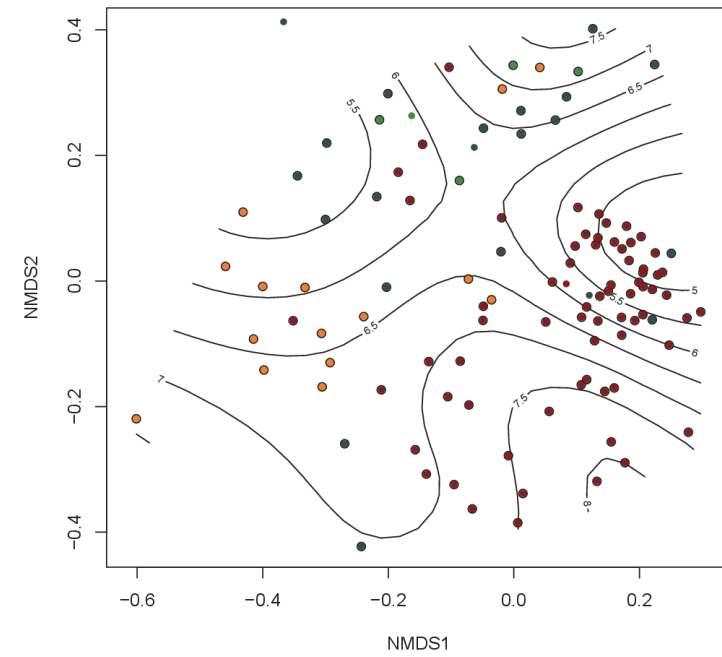
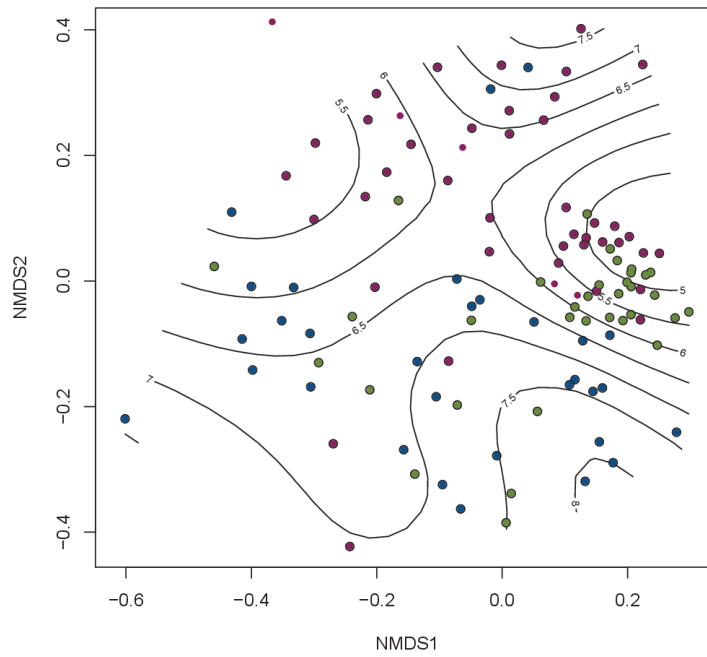
by Exploratory

by dominant tree species

Root Ca content



Root Fe content

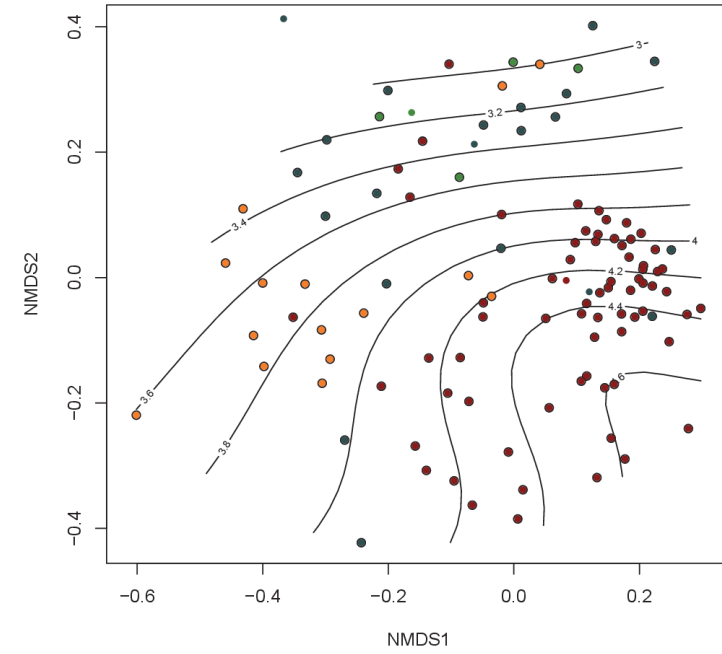
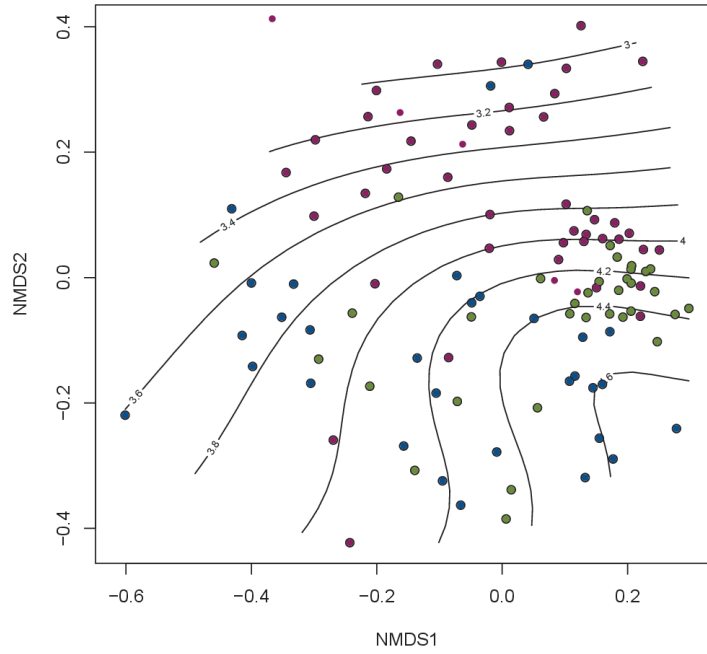


EM

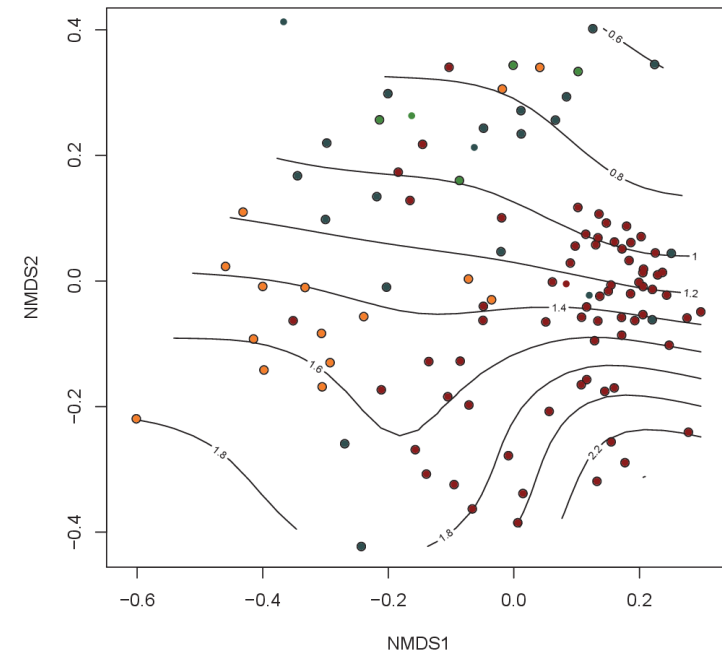
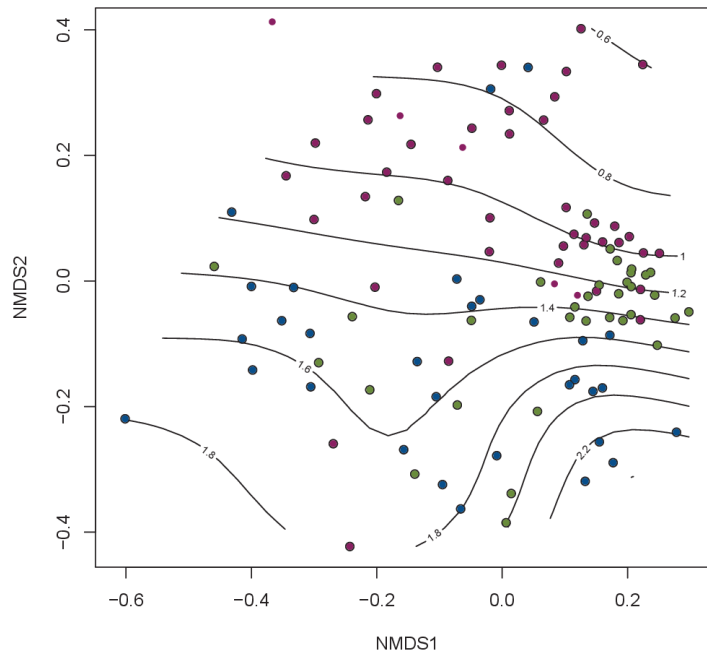
by Exploratory

by dominant tree species

Root K content



Root Mg content

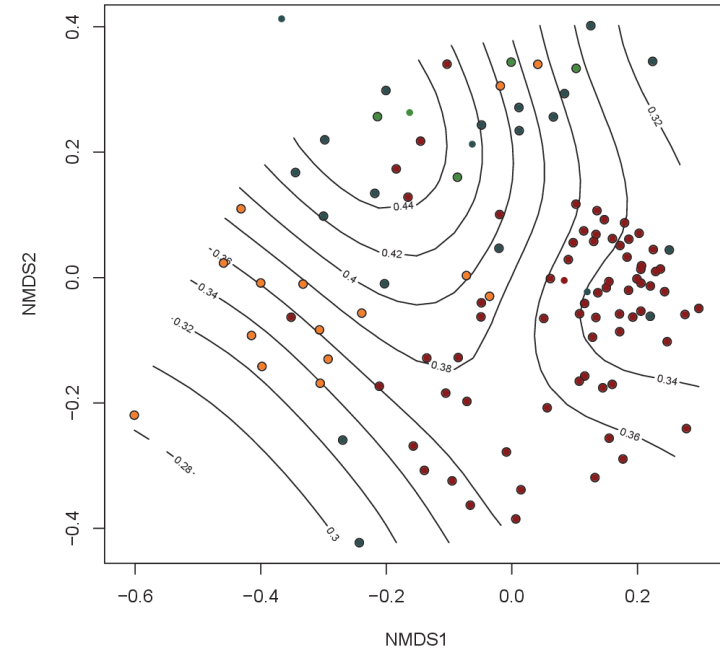
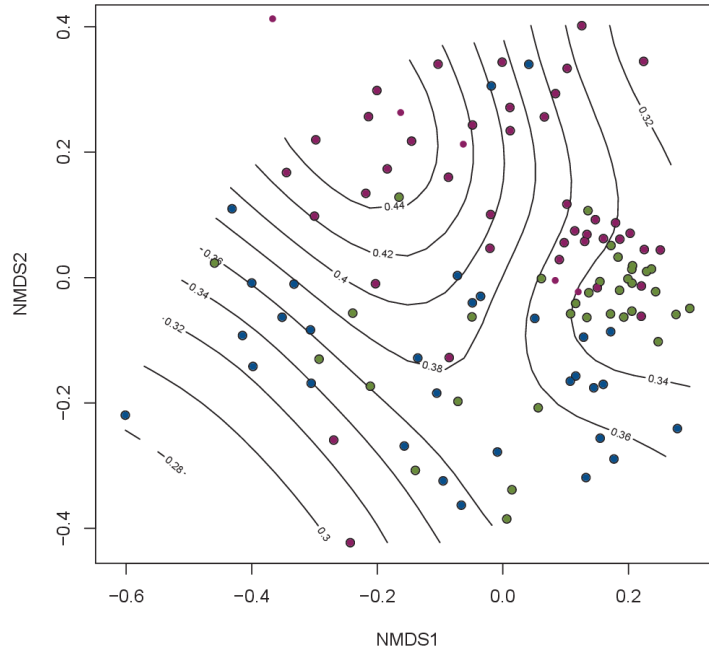


EM

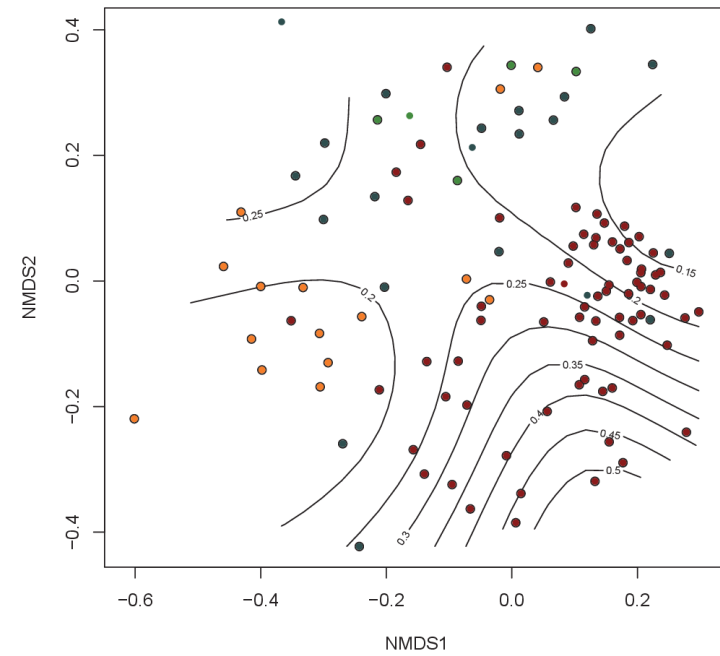
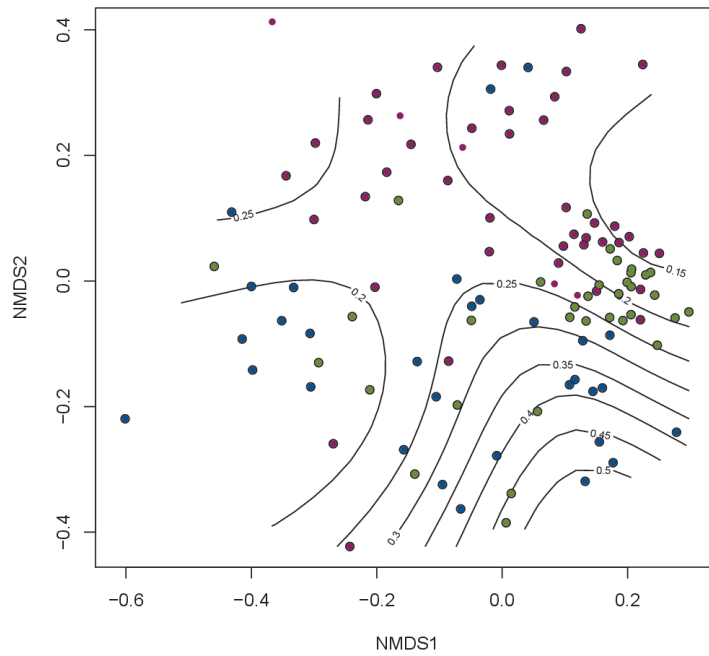
by Exploratory

by dominant tree species

Root Mn content



Root Na content

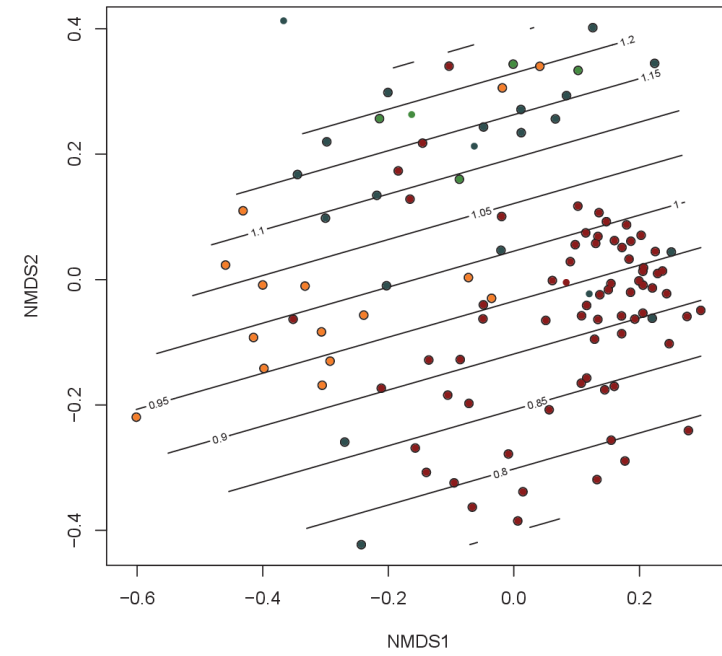
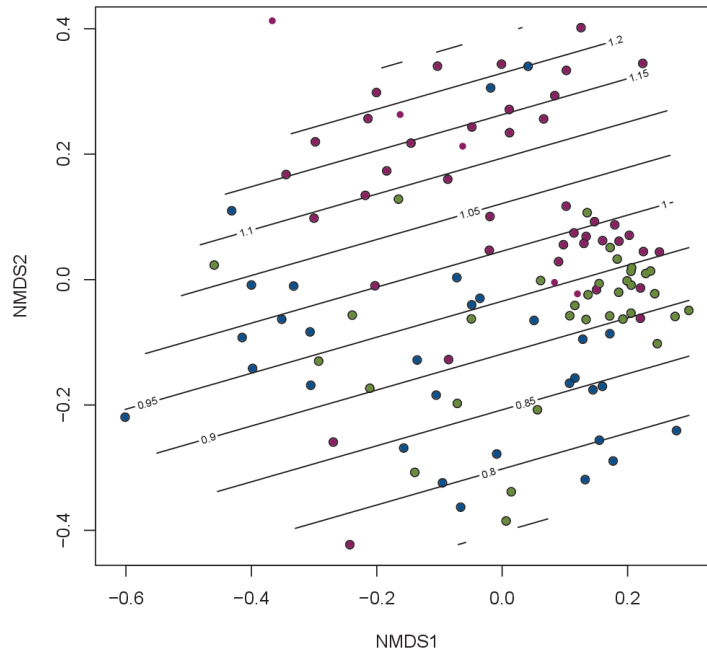


EM

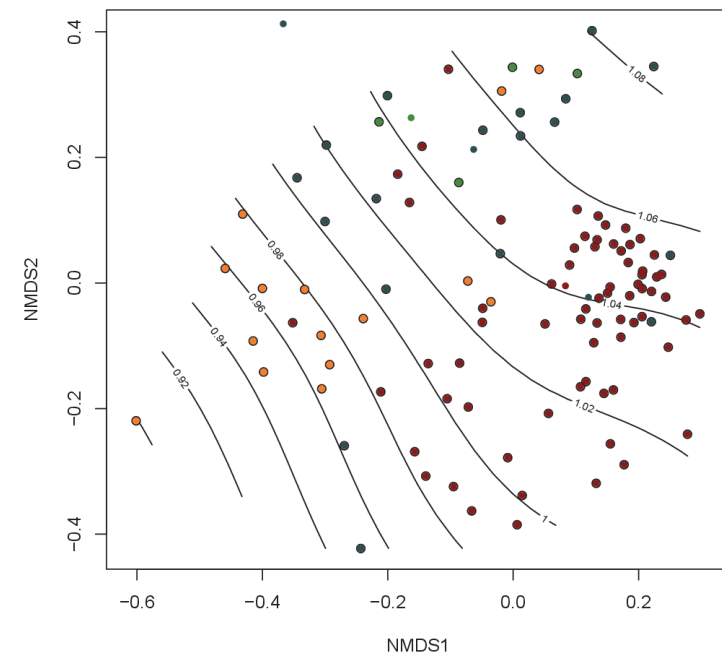
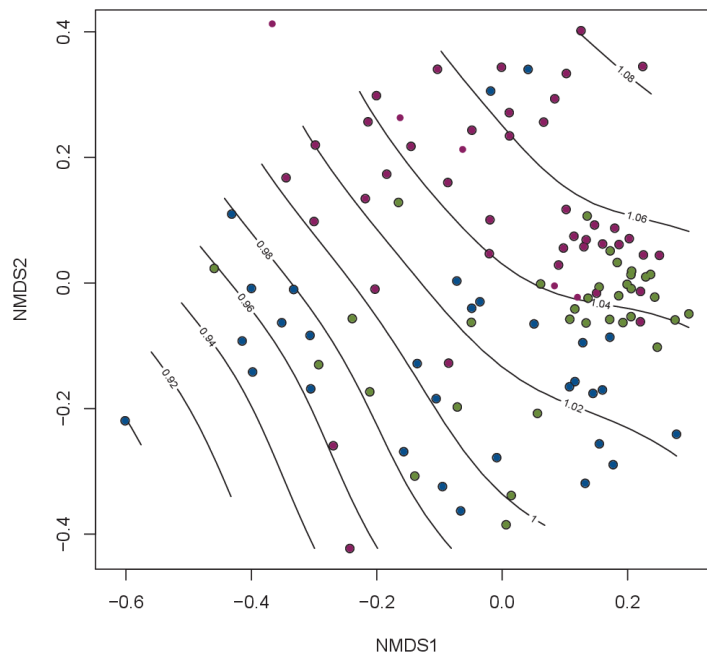
by Exploratory

by dominant tree species

Root P content



Root S content



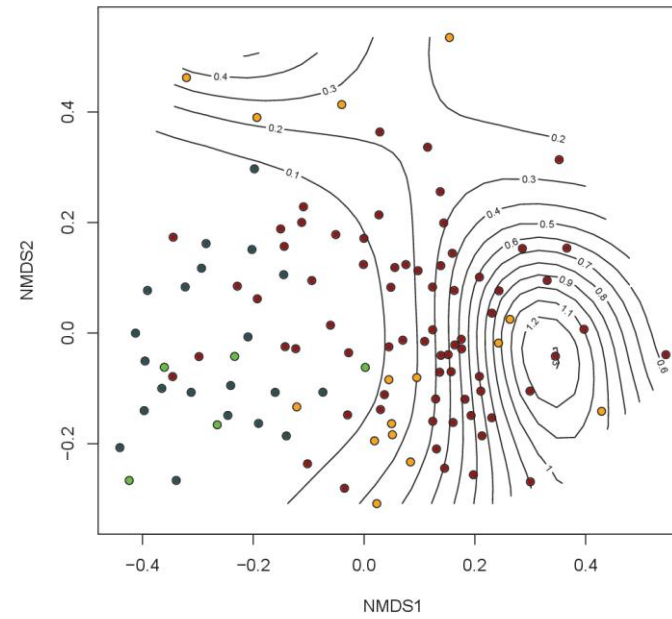
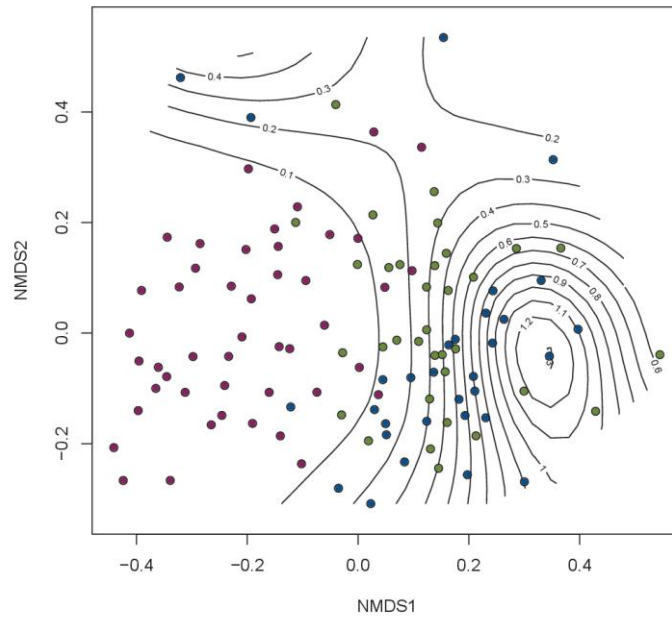
c) Saprophytic

Saprophytic

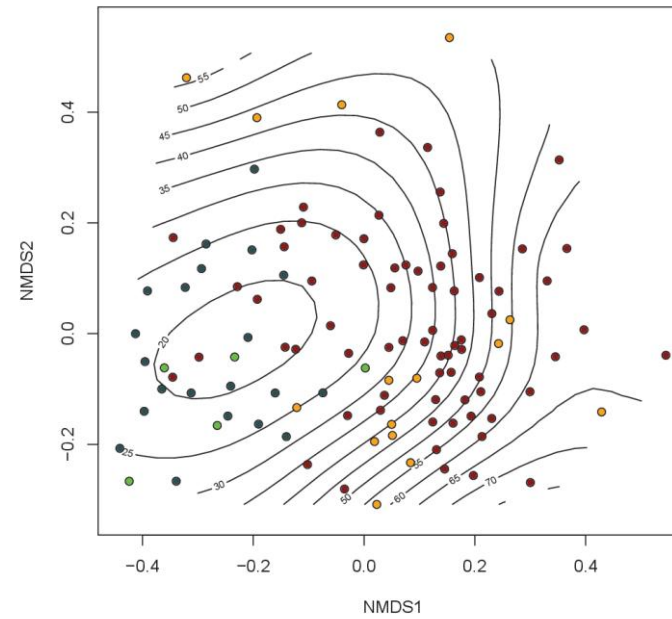
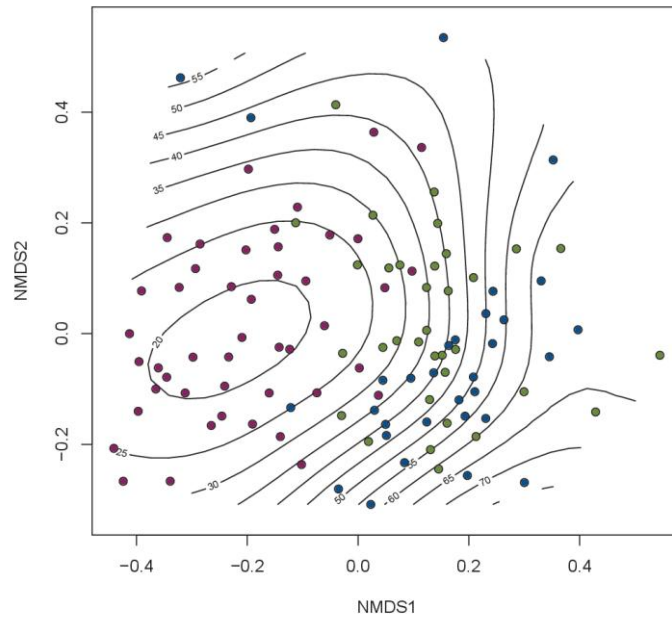
by Exploratory

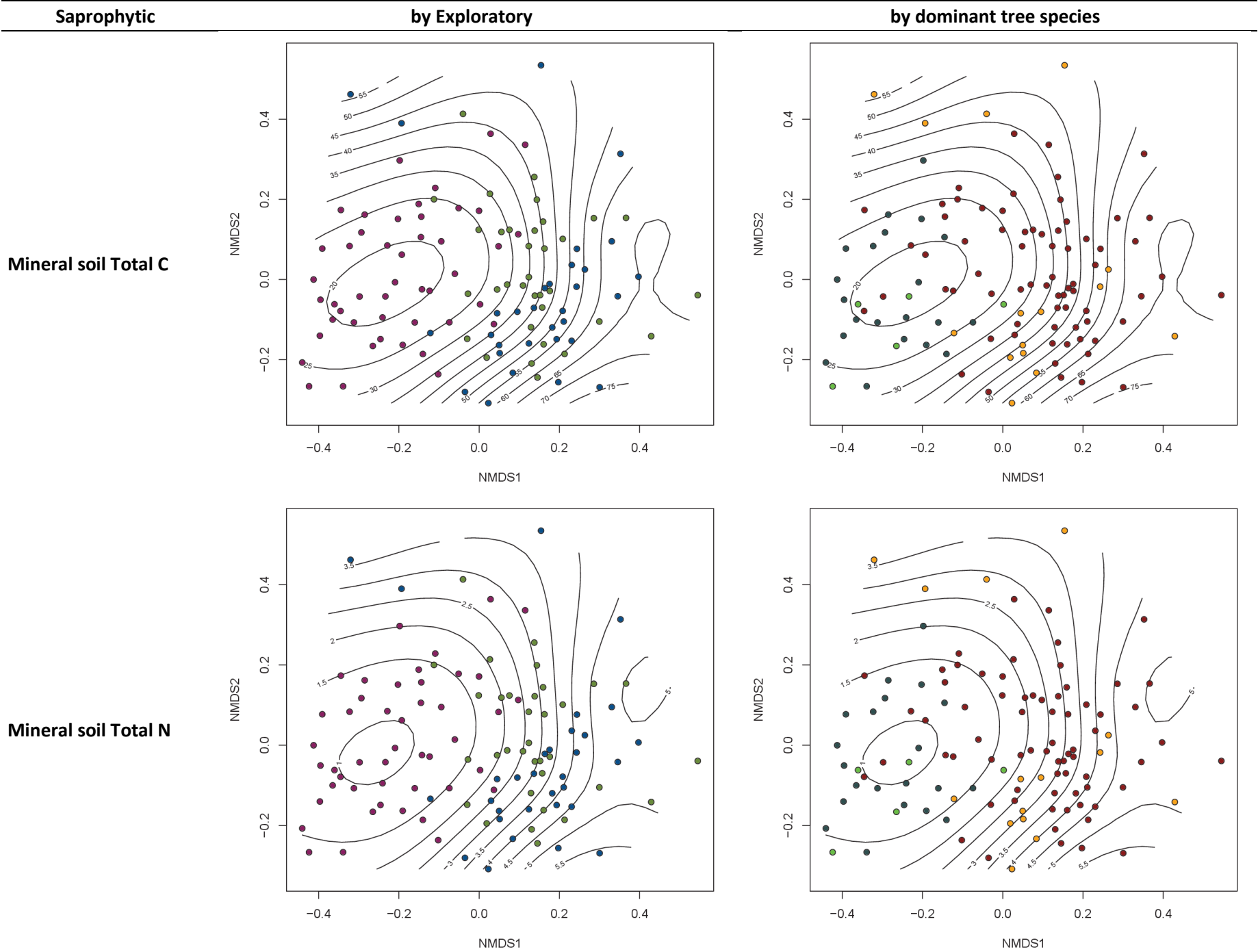
by dominant tree species

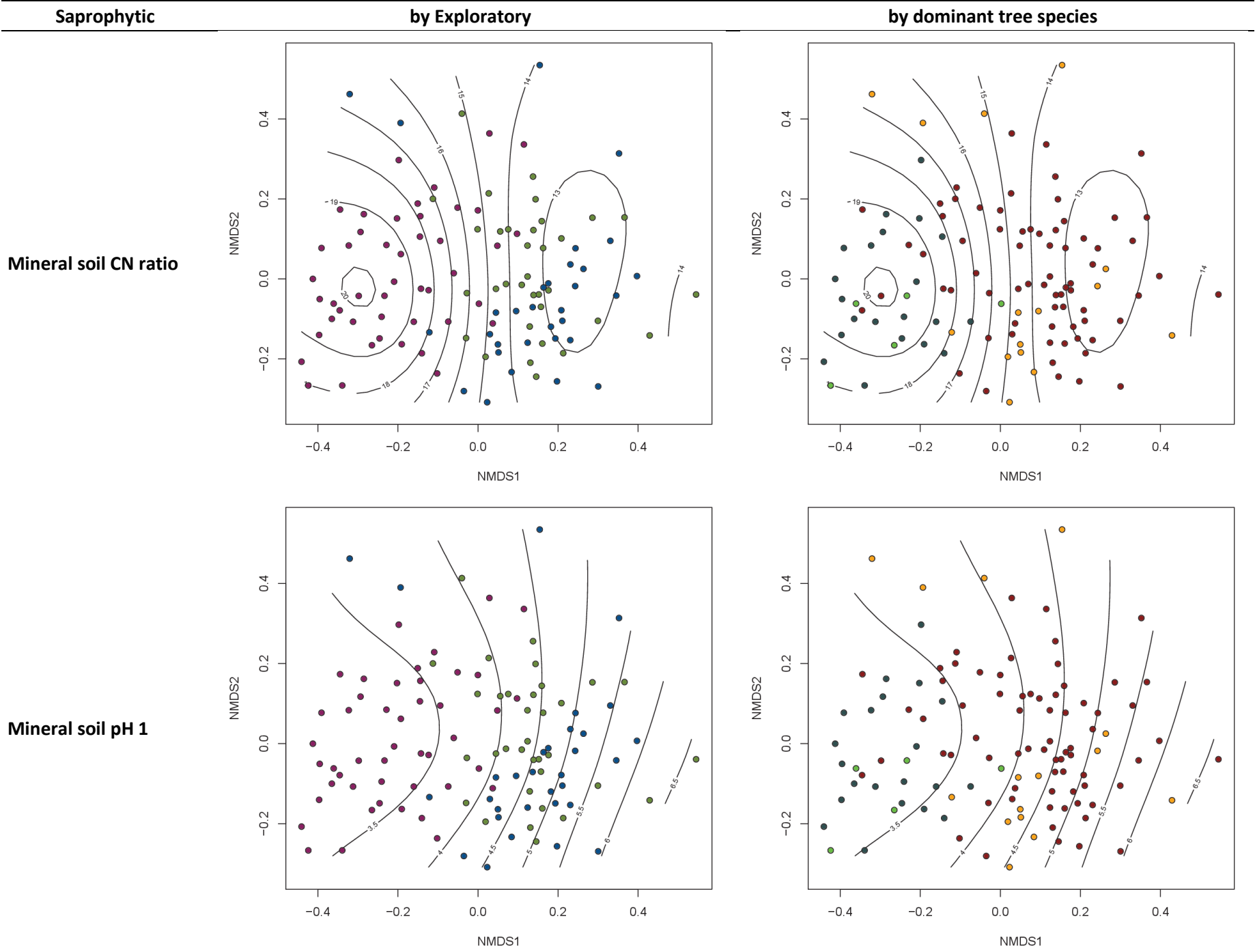
Mineral soil Inorganic C



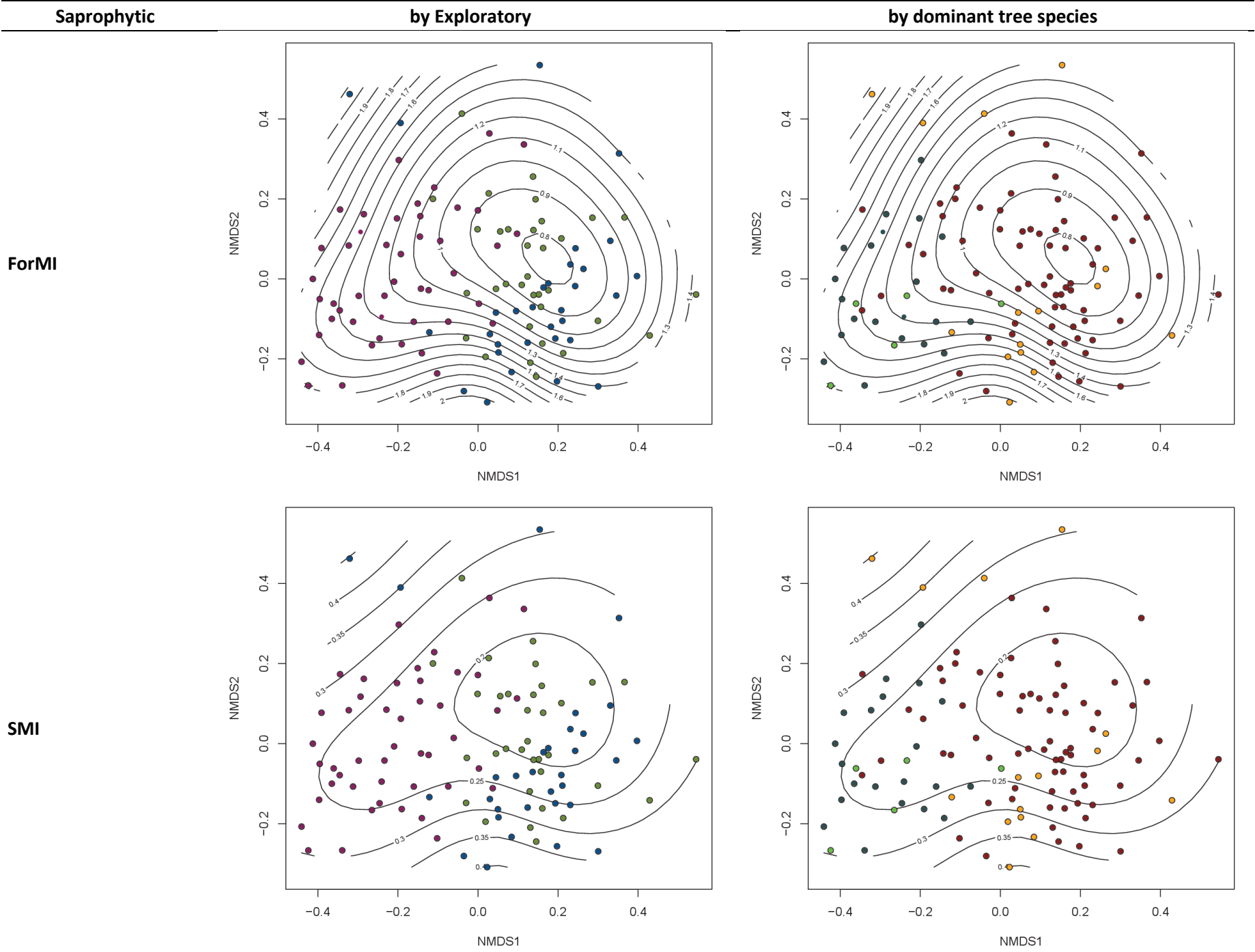
Mineral soil Organic C

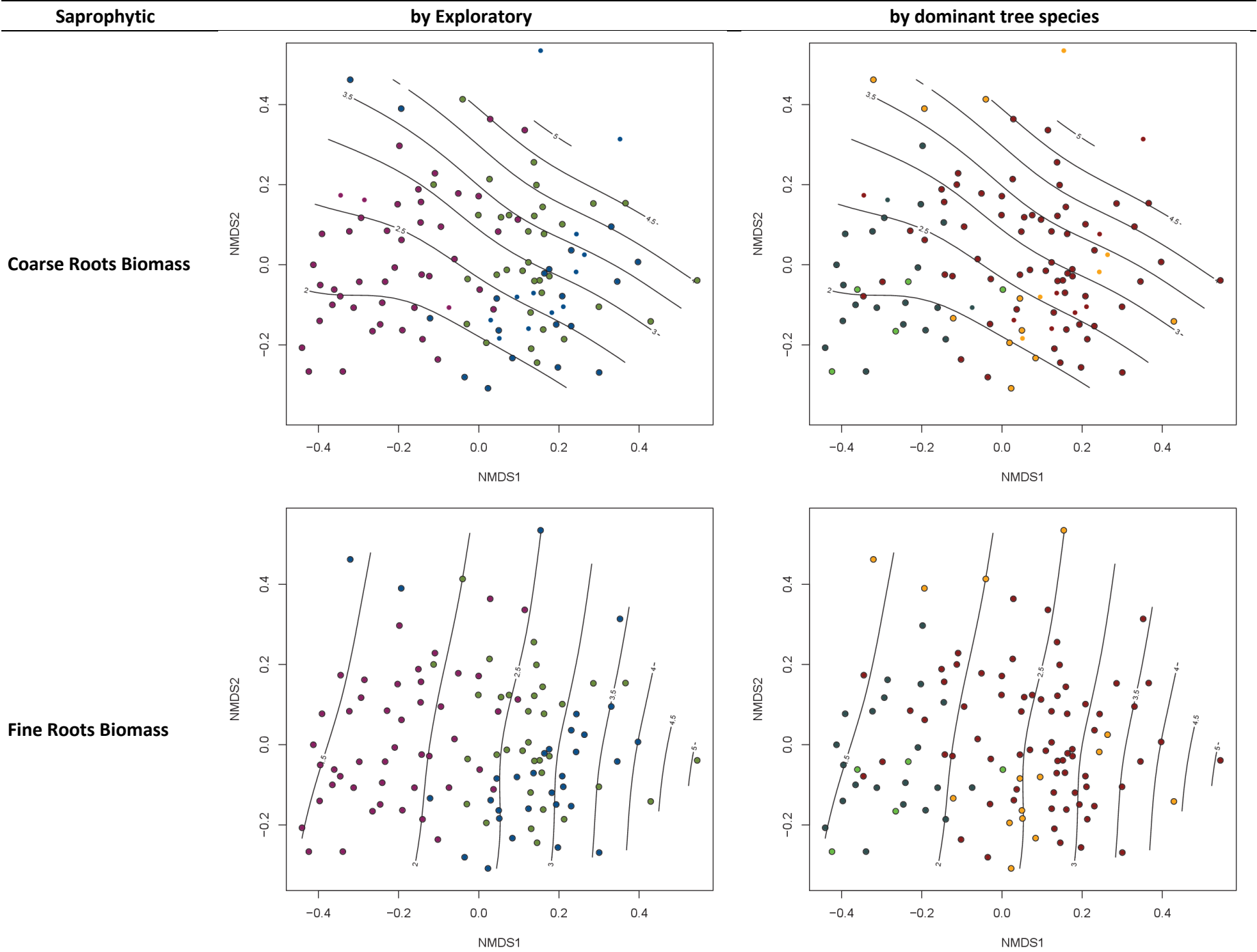




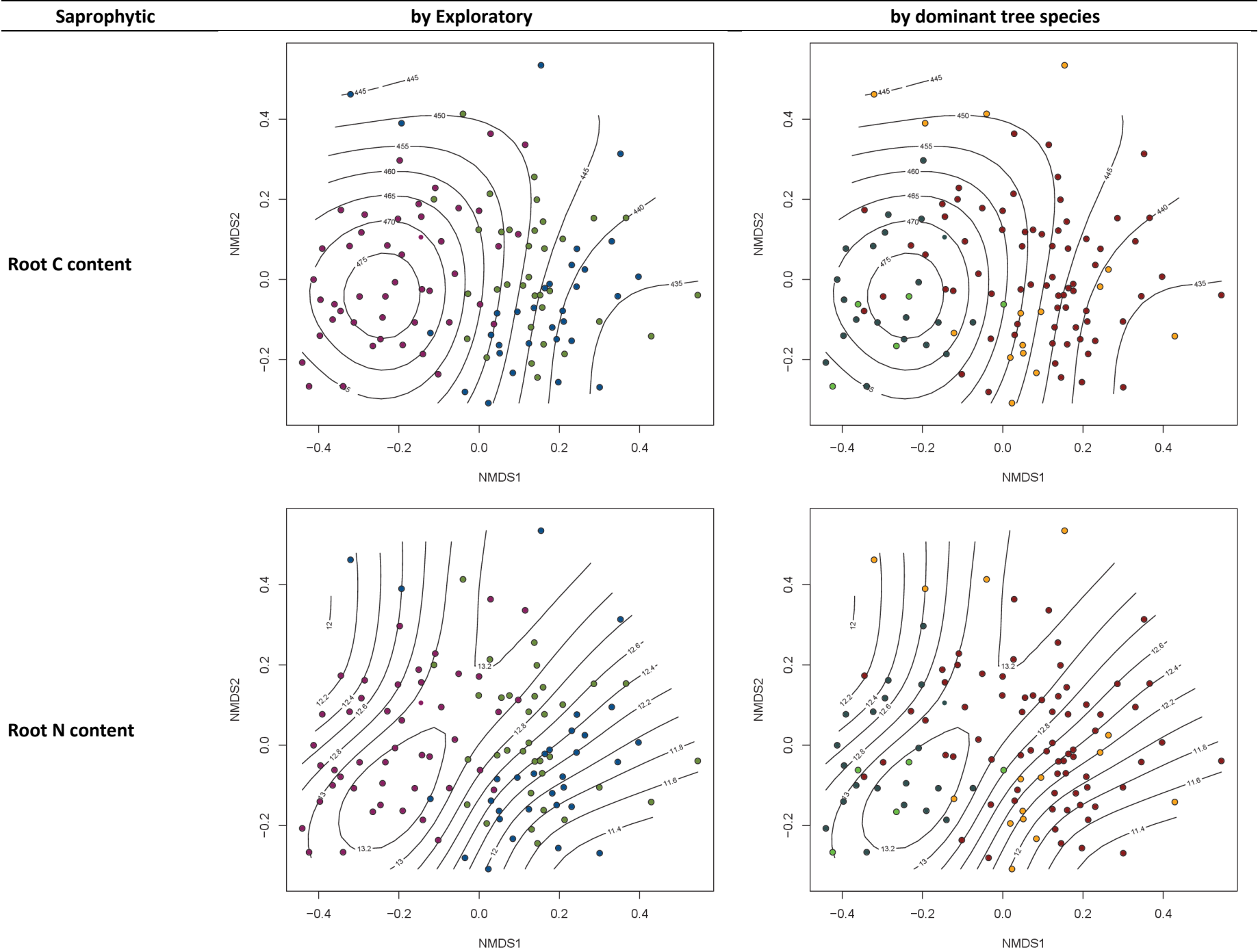


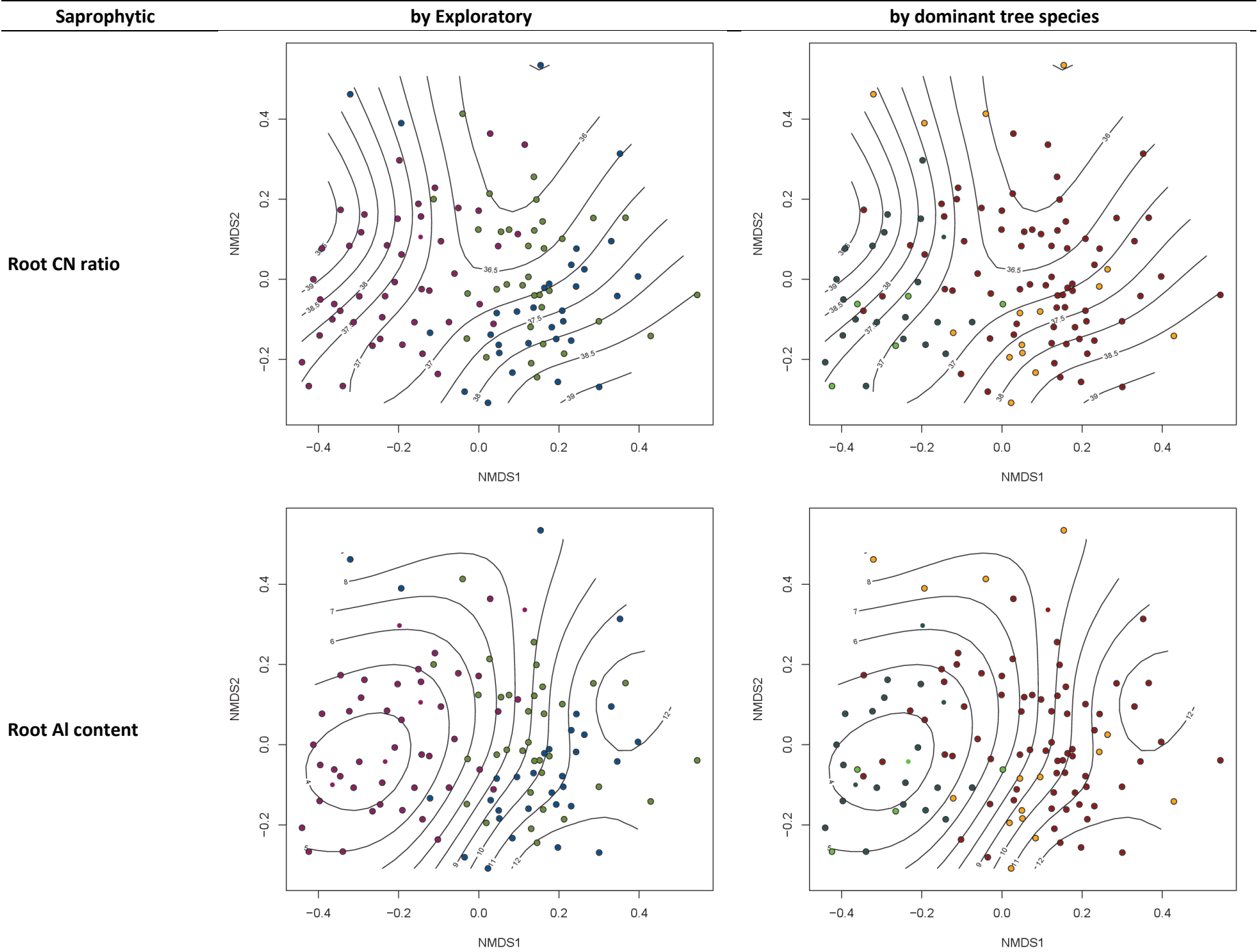


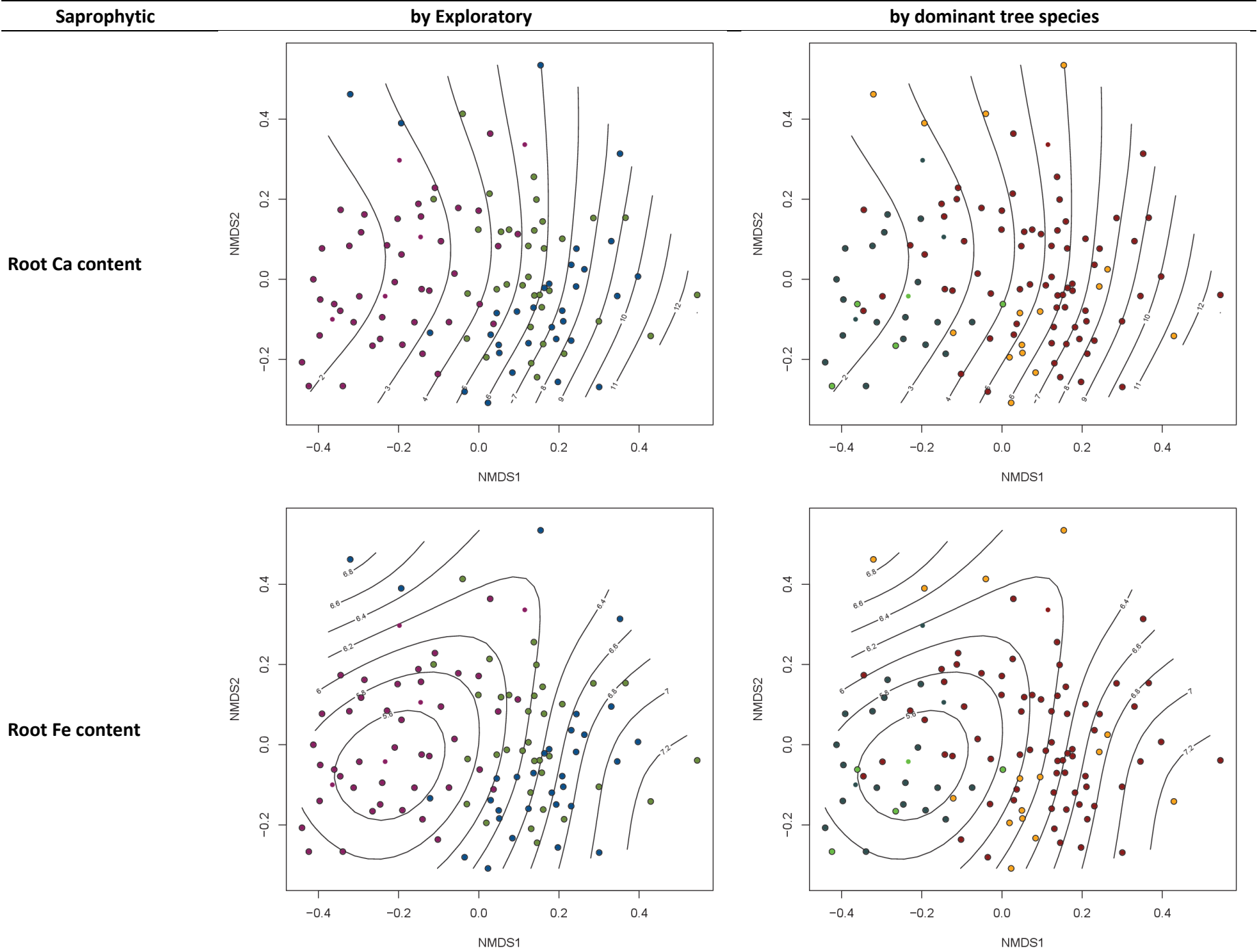


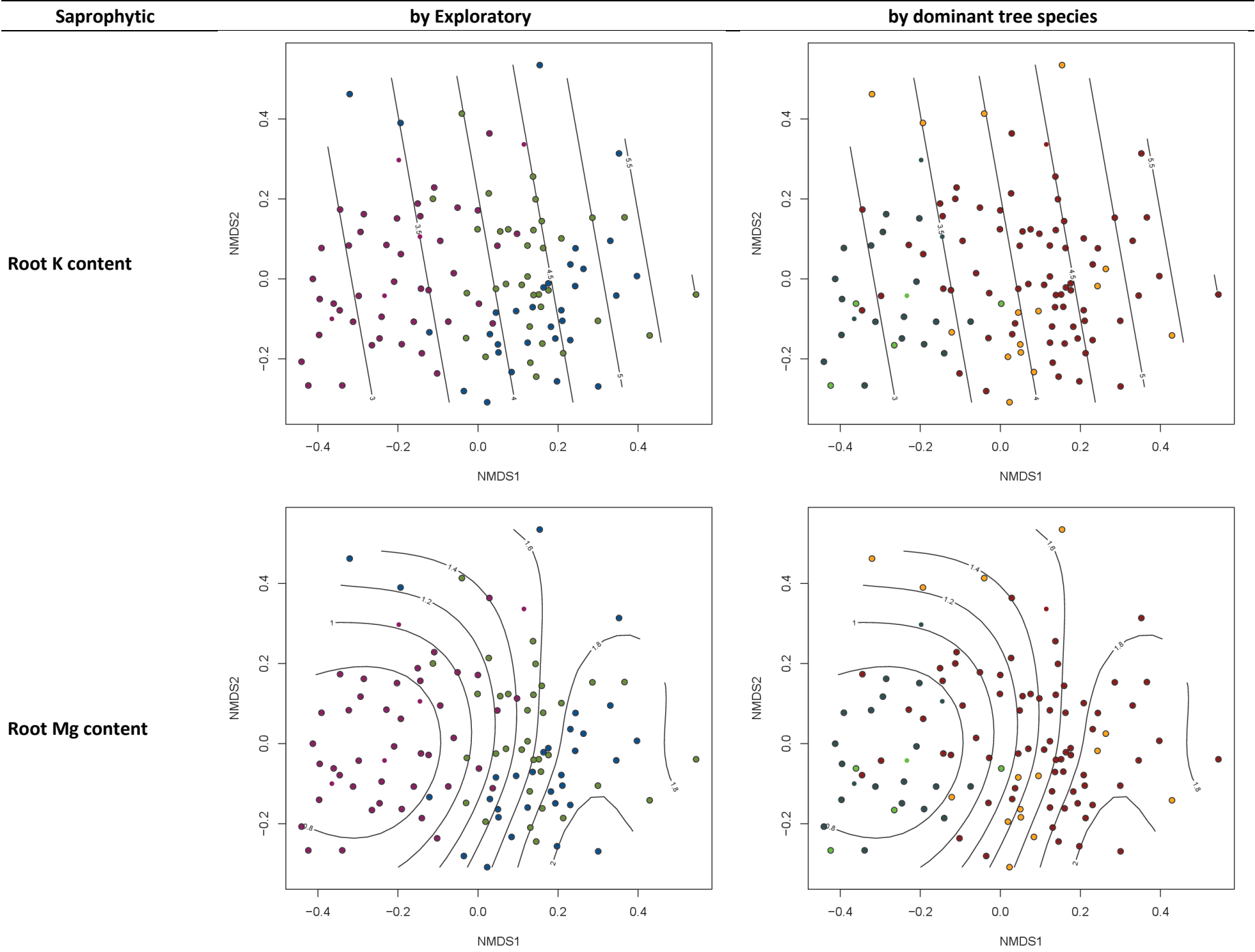


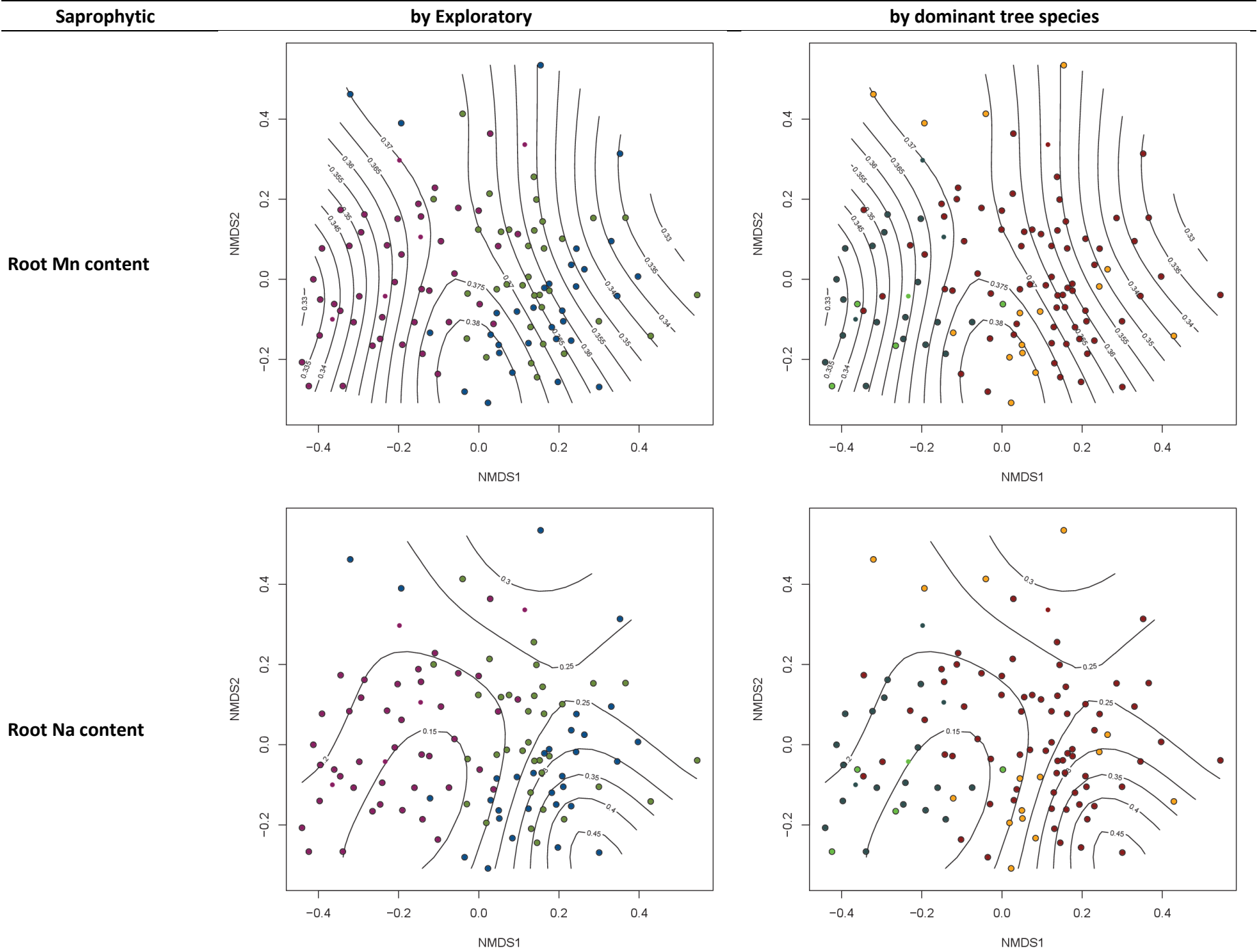
by dominant tree species













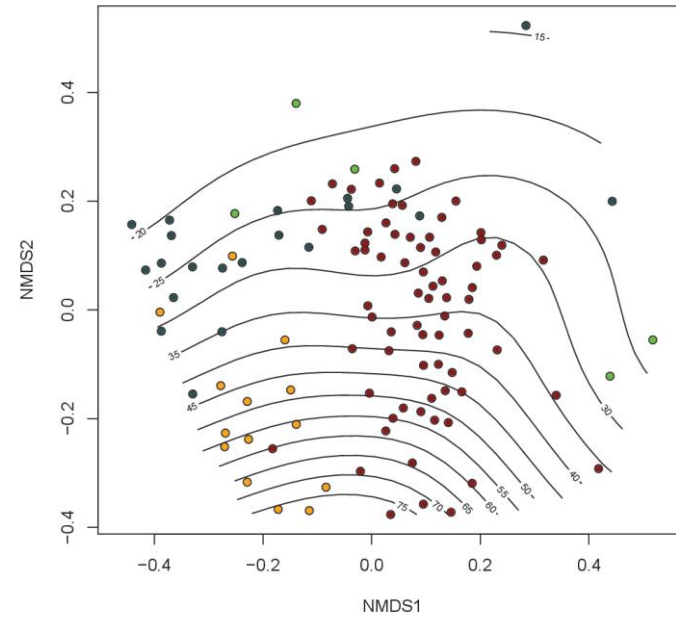
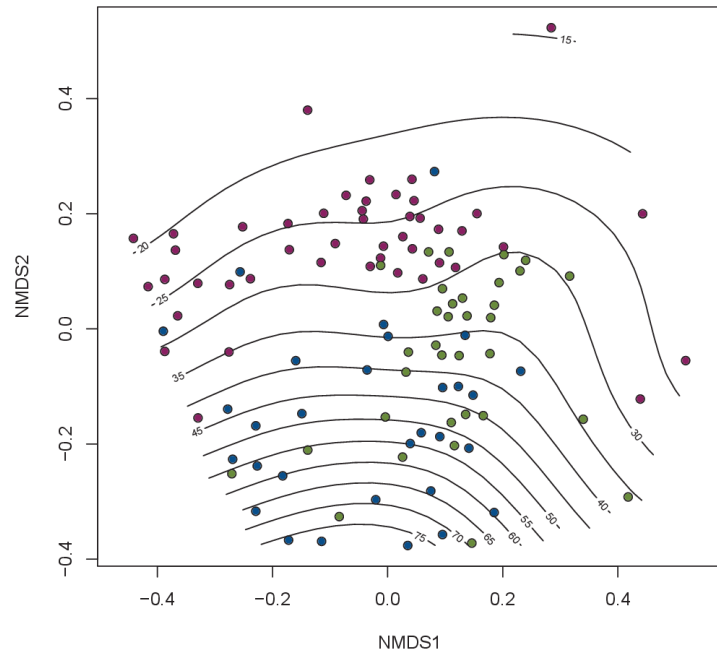
**by dominant tree species**

The figure is an NMDS plot with NMDS1 on the x-axis and NMDS2 on the y-axis. The x-axis ranges from -0.4 to 0.4, and the y-axis ranges from -0.2 to 0.4. Several curved lines are drawn across the plot, representing different levels of a variable, labeled 1, 1.05, 0.95, 0.9, 0.85, and 0.8. The lines are roughly parallel and curve upwards from left to right. Data points are scattered across the plot, with colors ranging from dark blue to purple. The points are distributed across the plot area, with some clusters and some outliers.

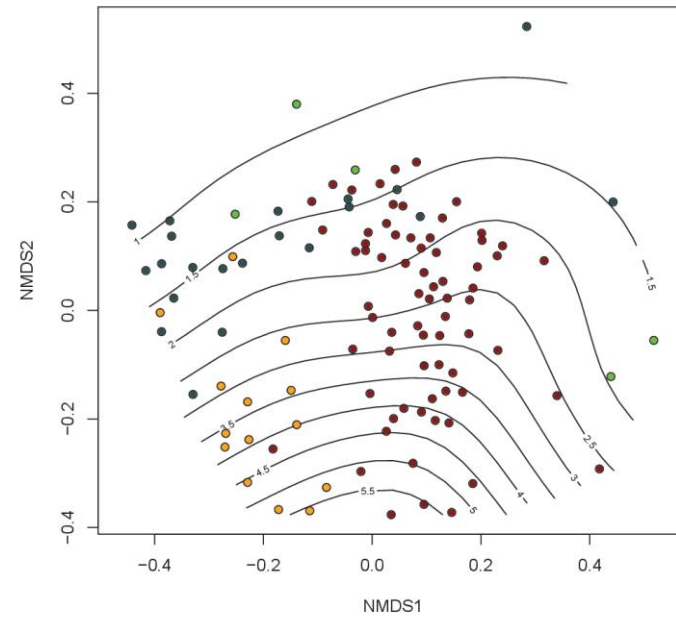
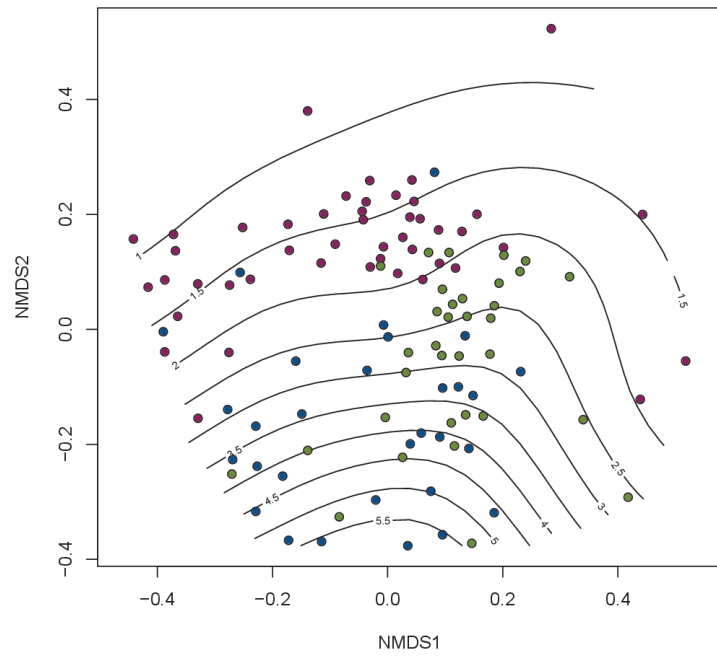
Figure 1 is a scatter plot showing the relationship between NMDS1 (X-axis) and NMDS2 (Y-axis). The X-axis ranges from -0.4 to 0.4, and the Y-axis ranges from -0.2 to 0.4. Data points are colored by group: black, green, orange, and red. Curved lines are overlaid on the plot, representing different levels of a third variable, with labels ranging from 0.8 to 1.2. The lines are roughly parallel and curve upwards from left to right. The data points are distributed across the plot, with some groups (like red) appearing more frequently in certain regions.

by dominant tree species

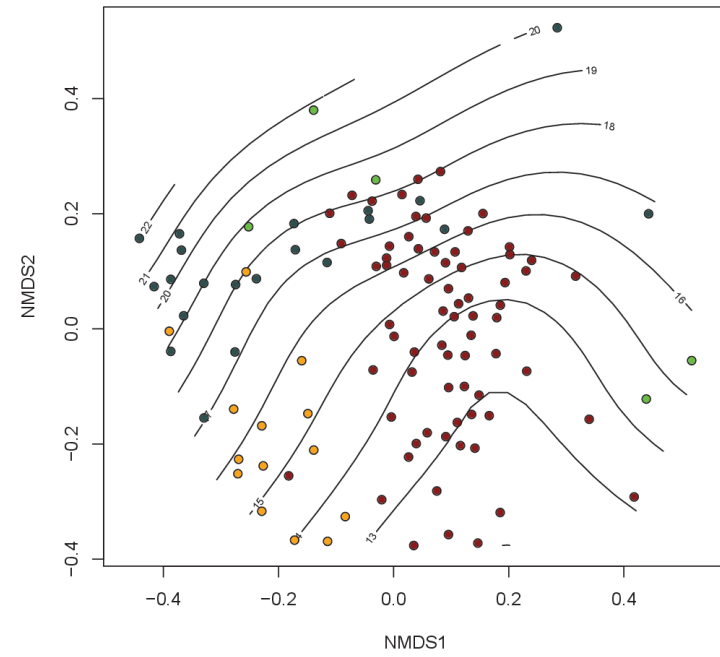
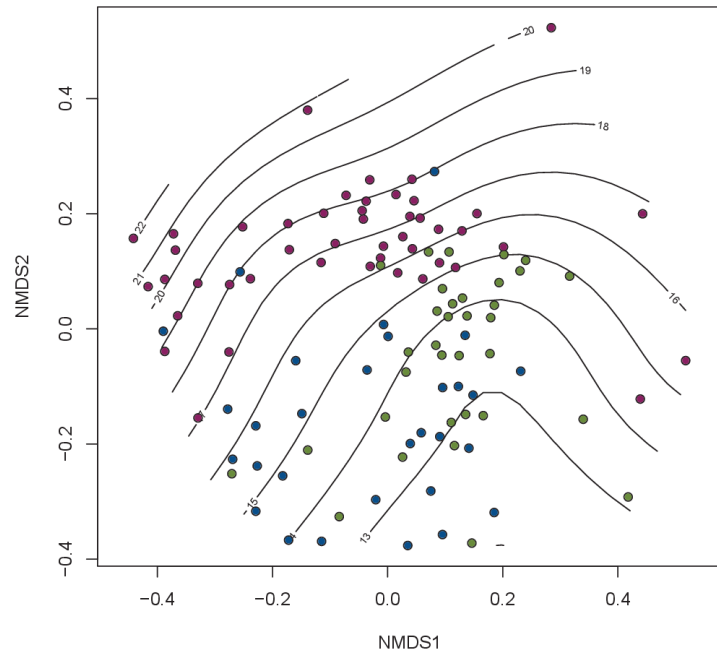
Mineral soil Total C



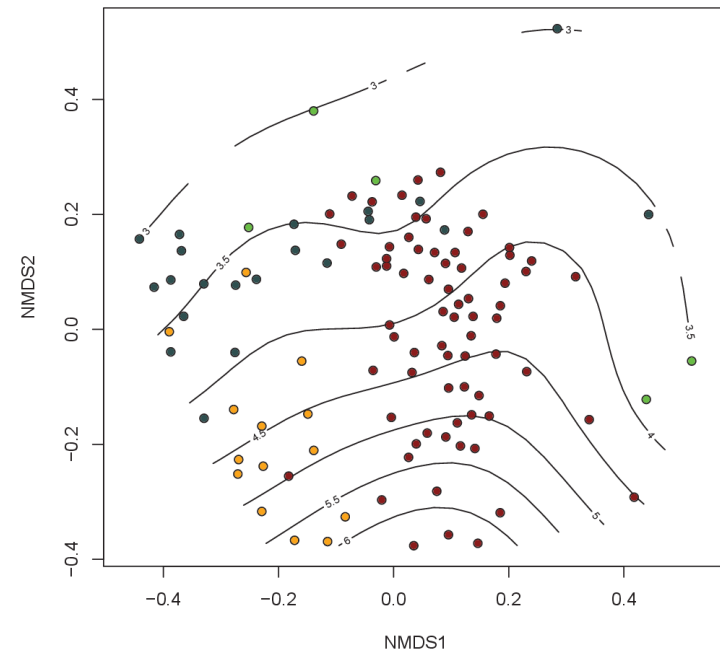
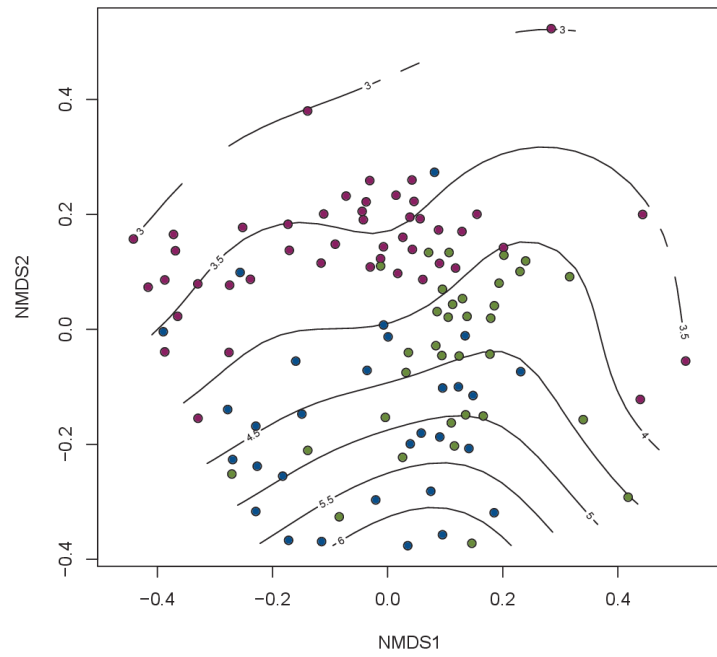
Mineral soil Total N



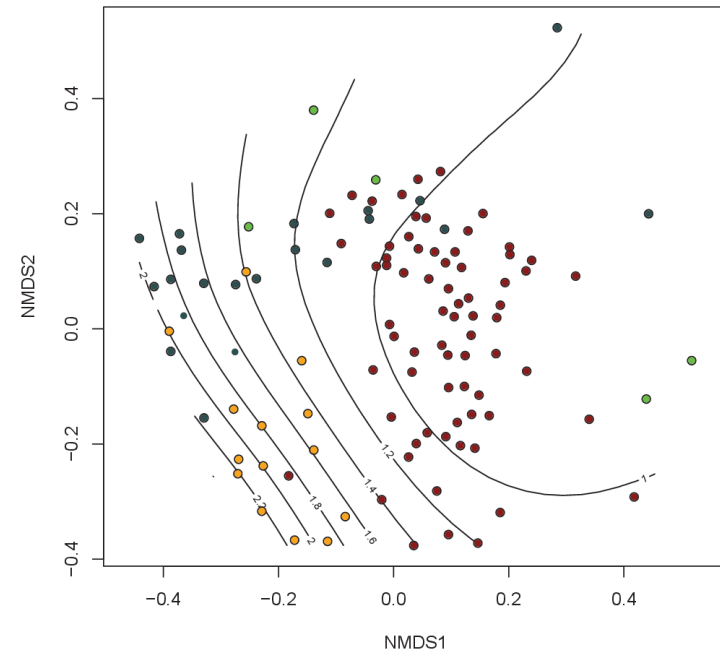
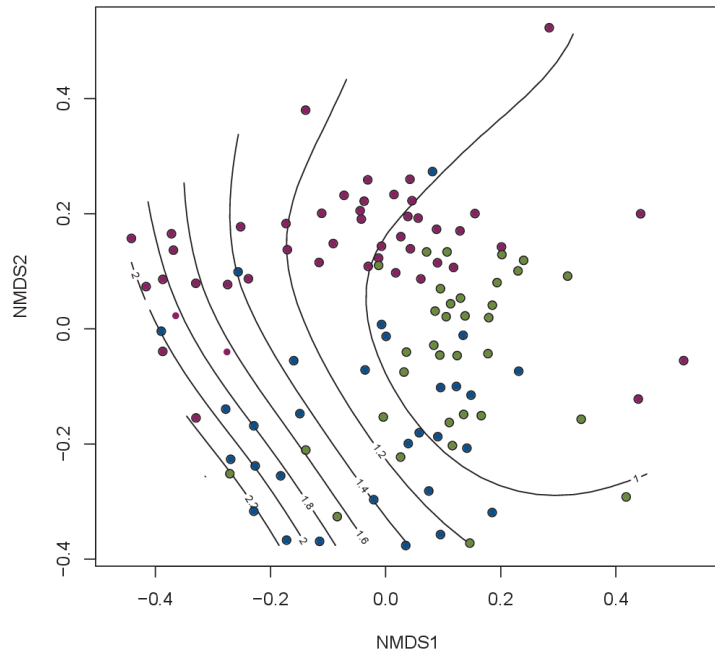
Mineral soil CN ratio



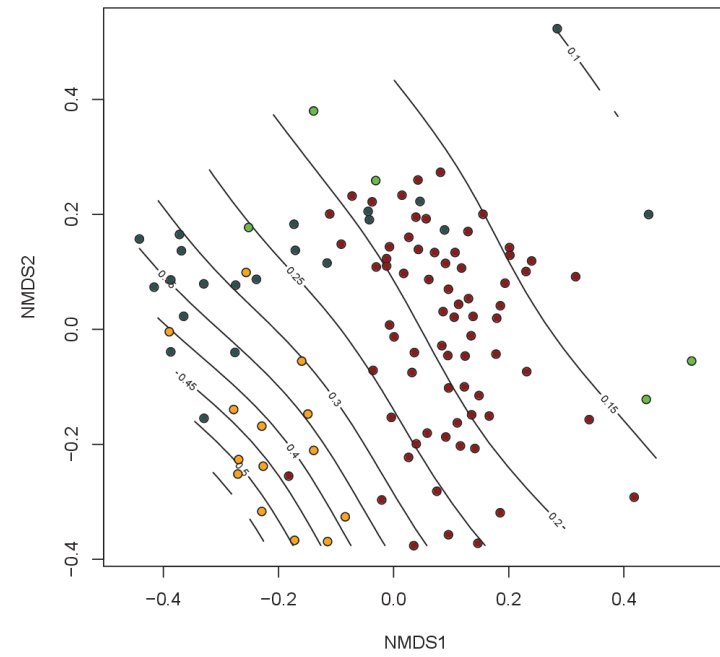
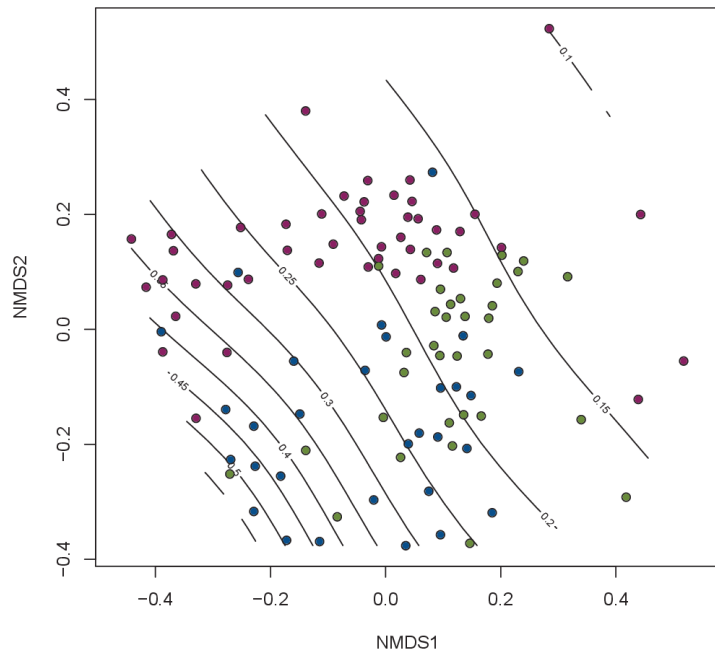
Mineral soil pH 1



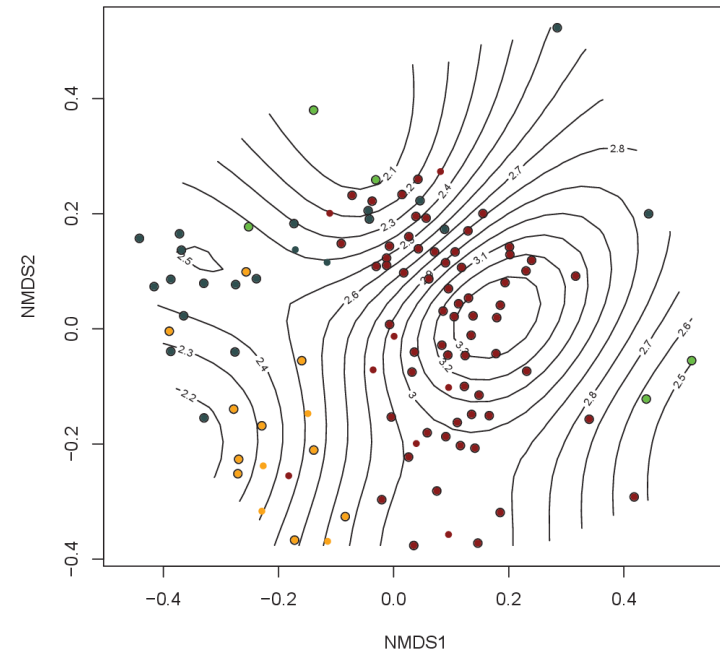
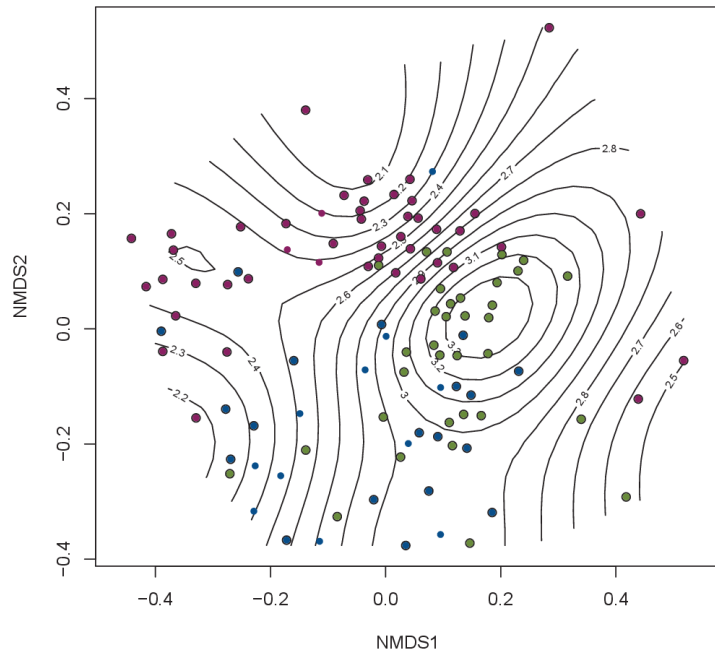
ForMI



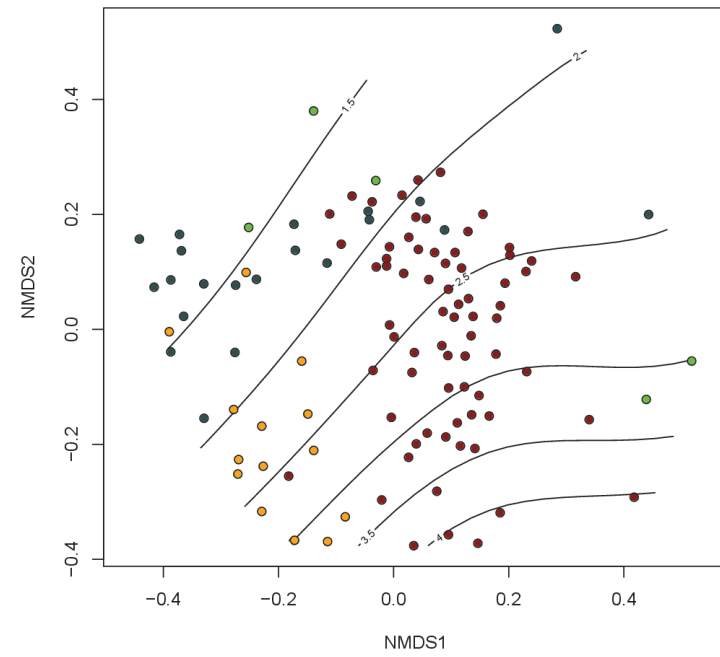
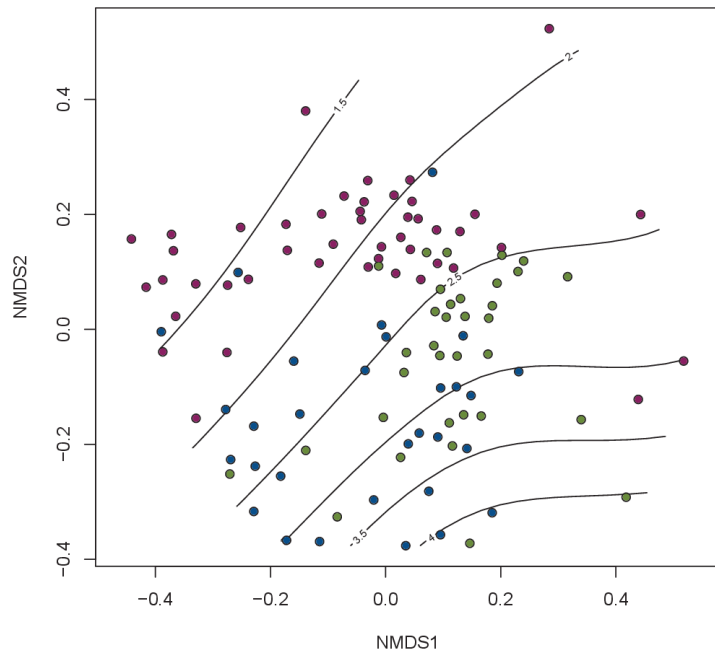
SMI



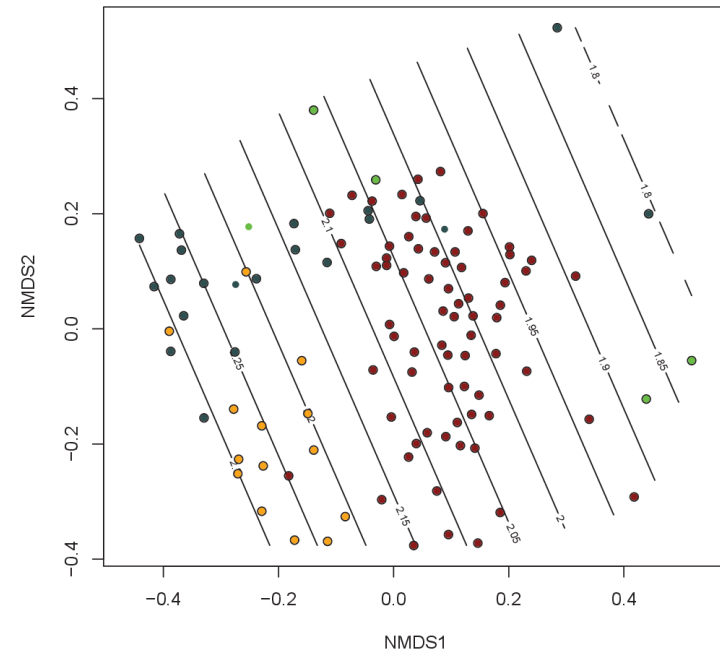
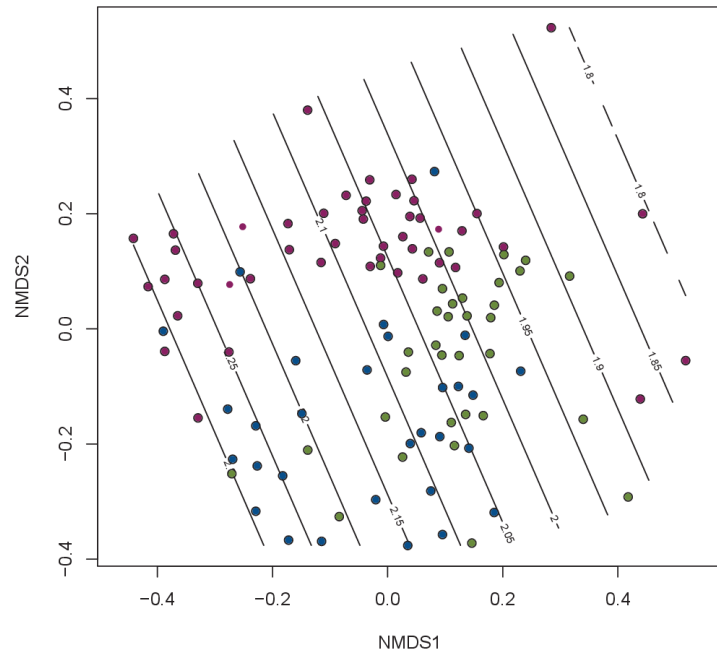
**Coarse Roots Biomass**



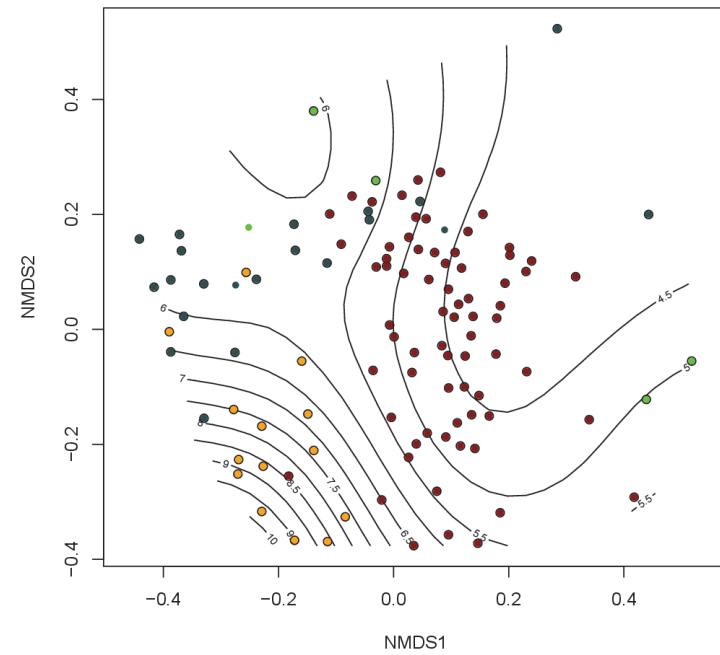
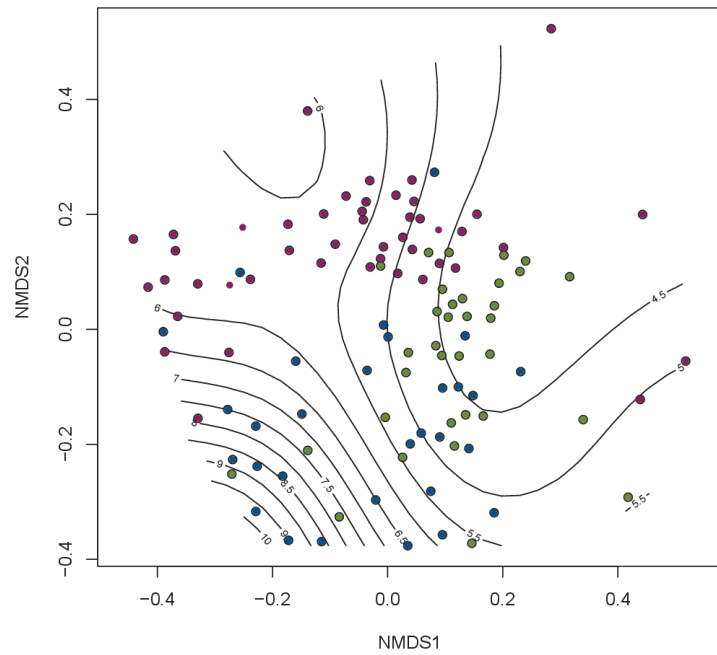
**Fine Roots Biomass**



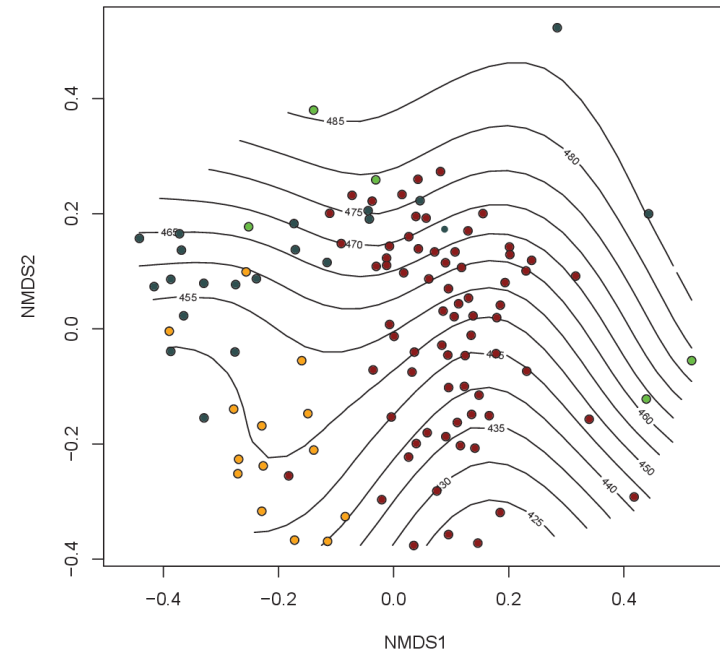
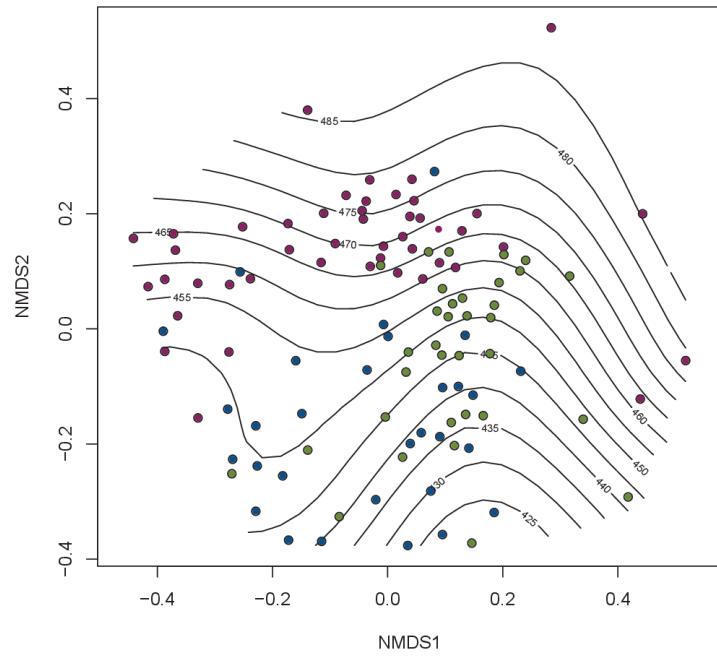
Root fructose content



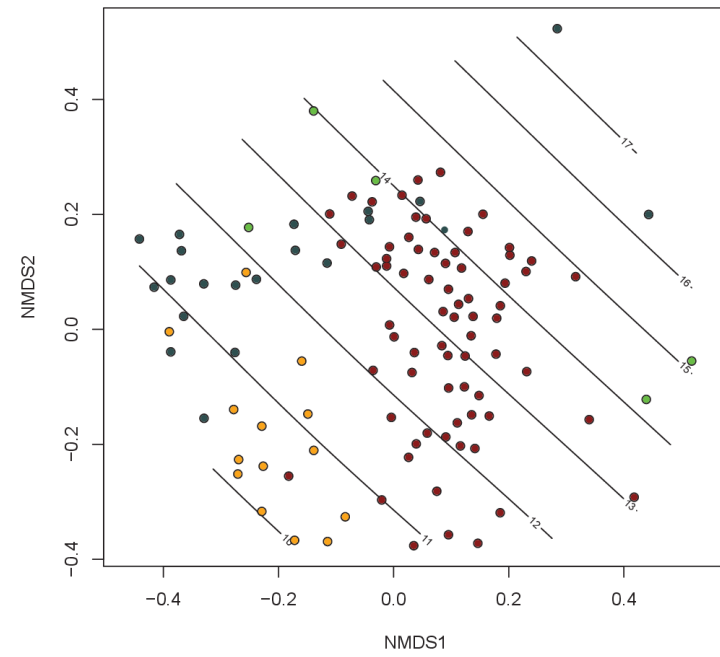
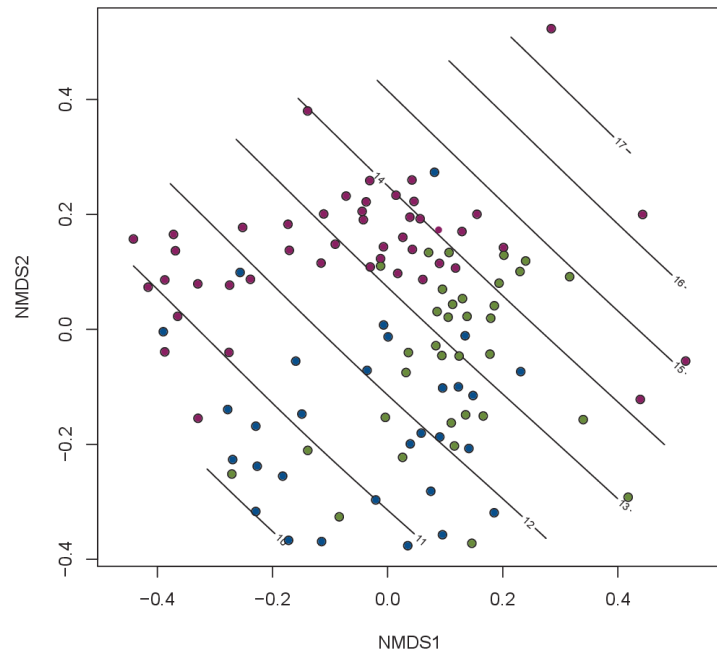
Root glucose content



Root C content

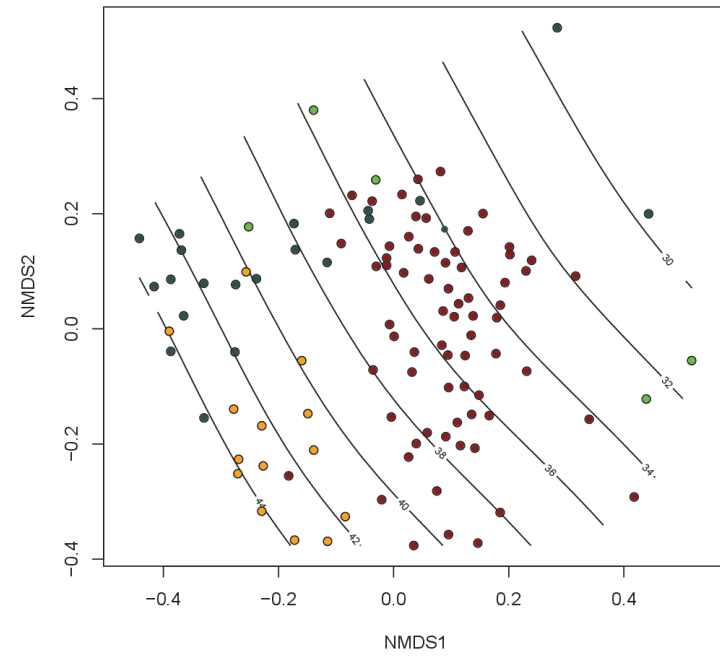
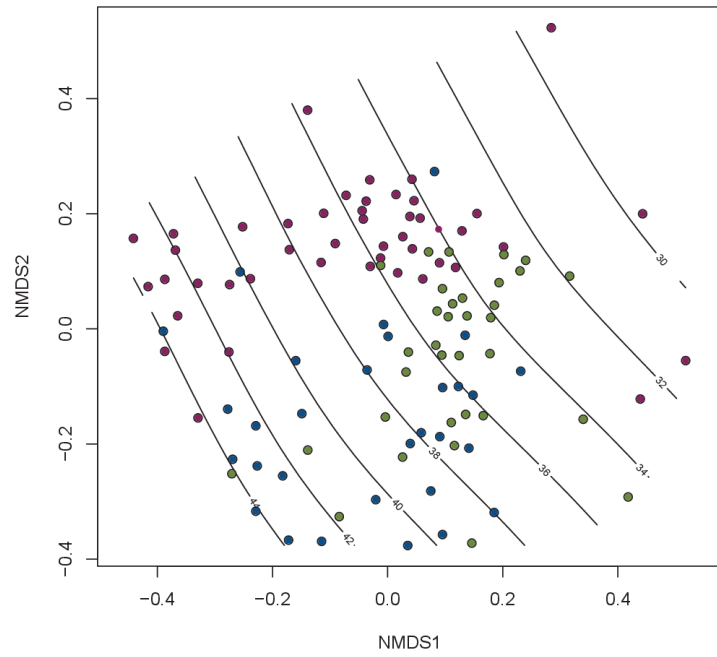


Root N content

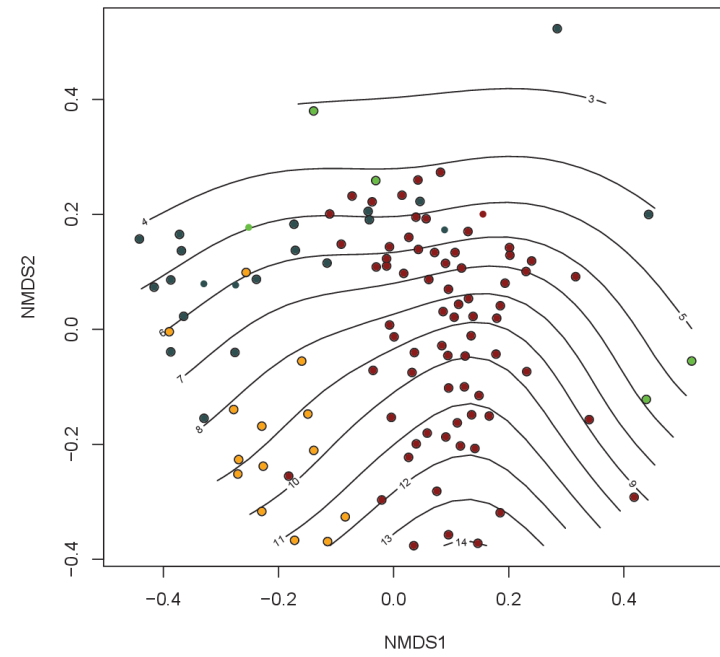
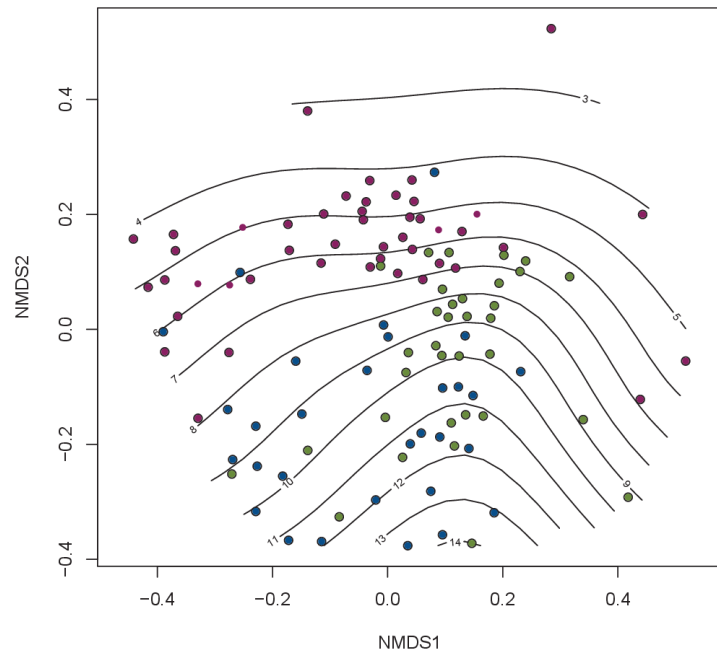




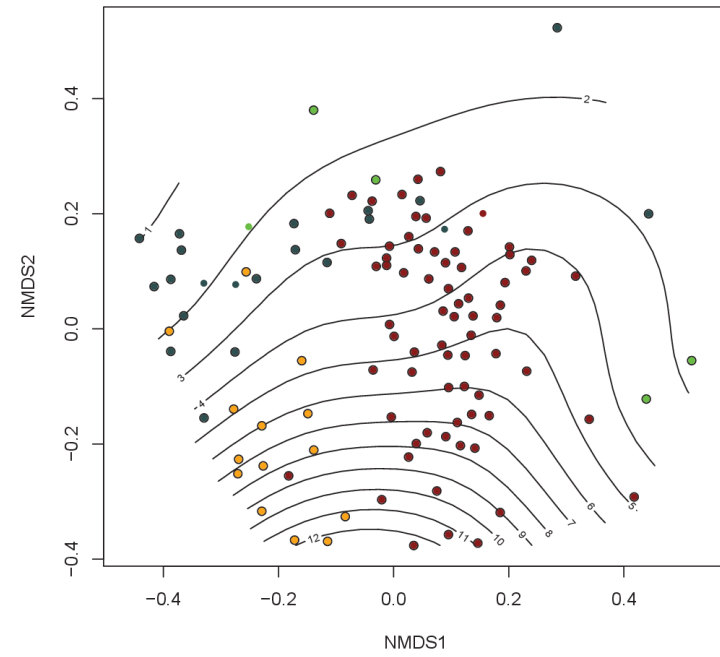
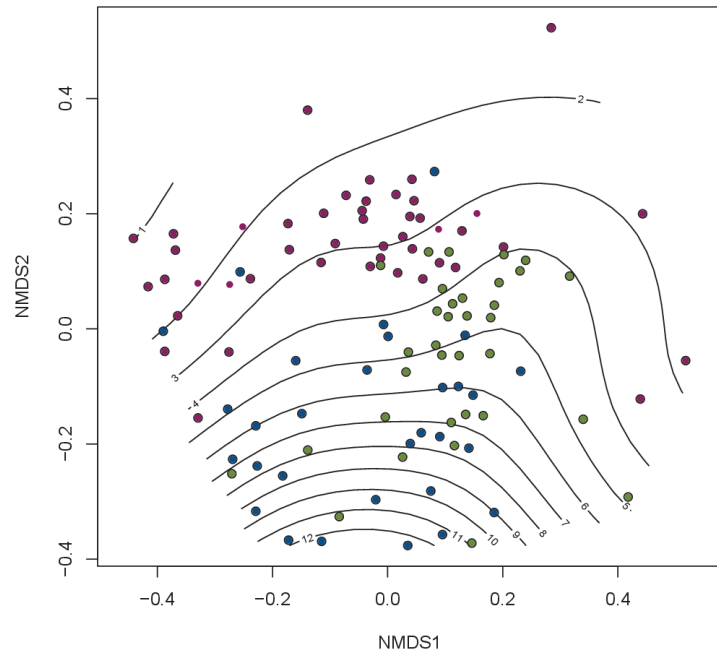
Root CN ratio



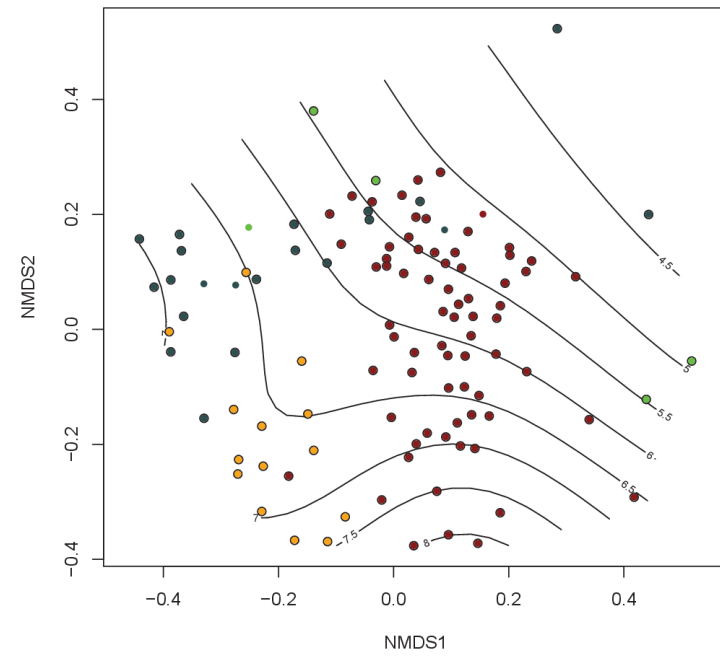
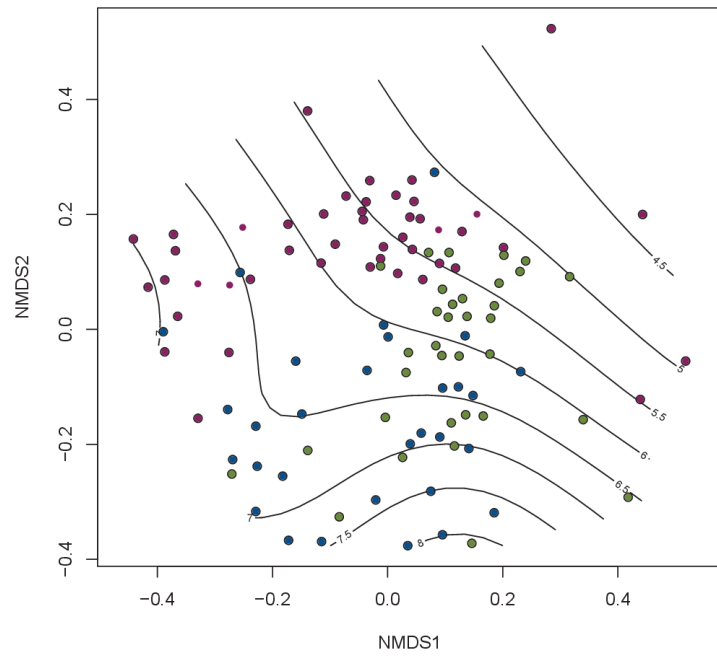
Root Al content



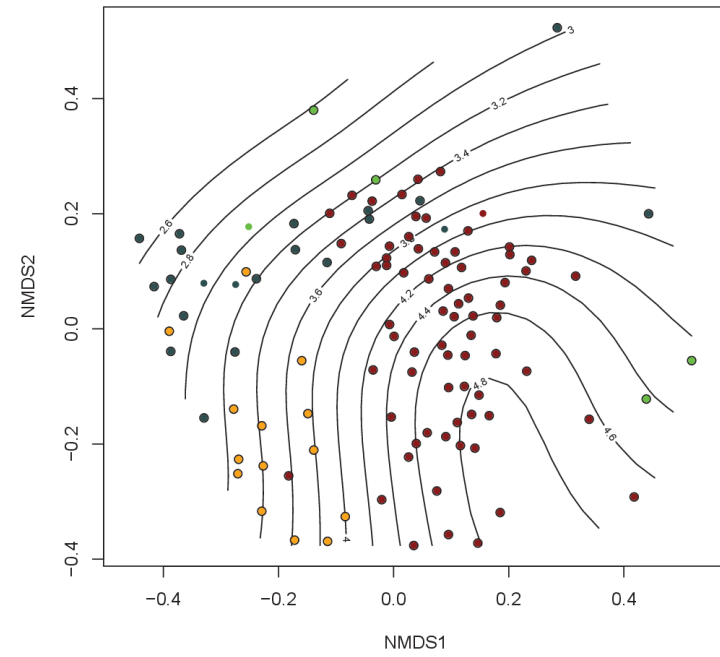
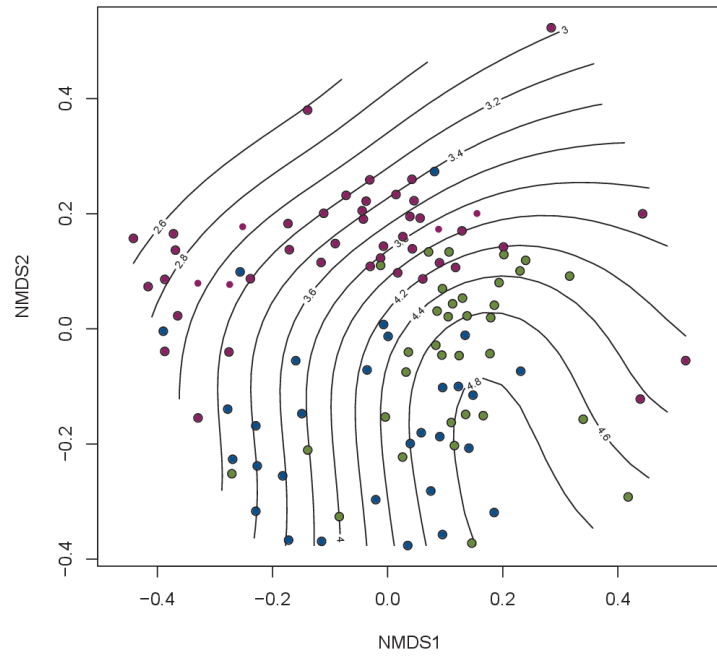
Root Ca content



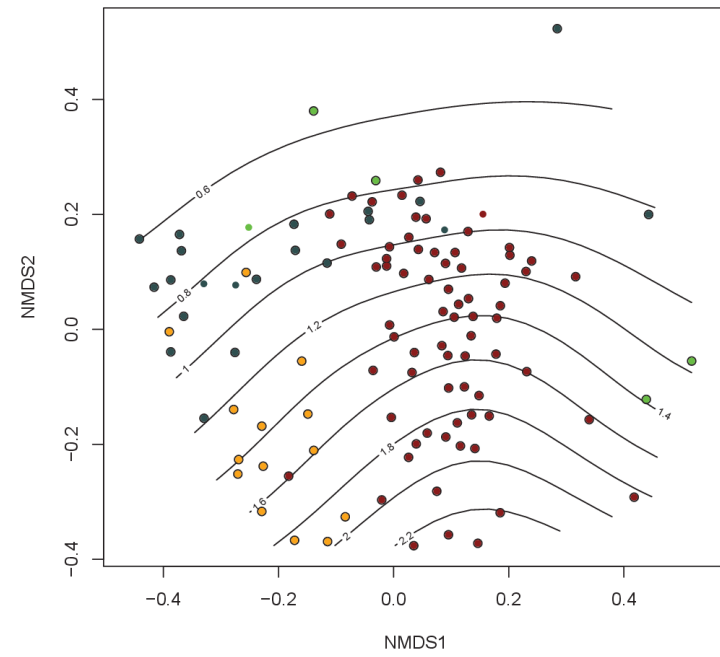
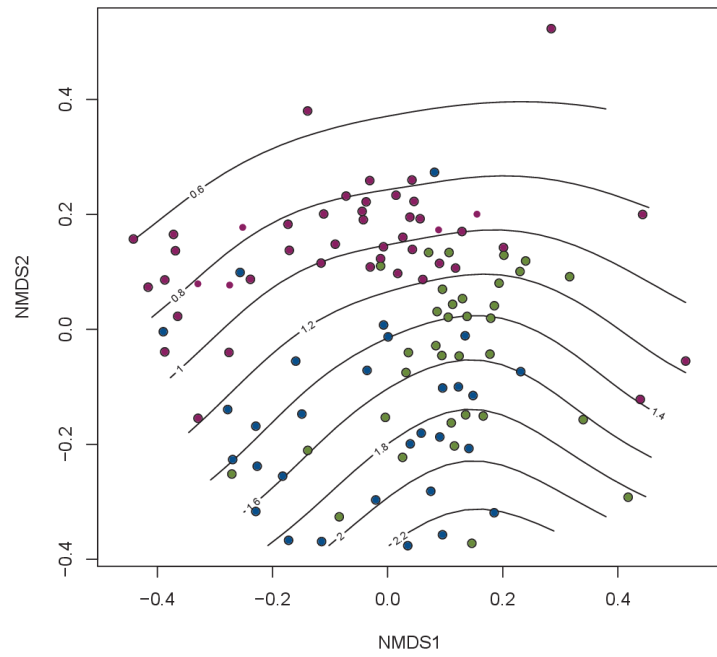
Root Fe content



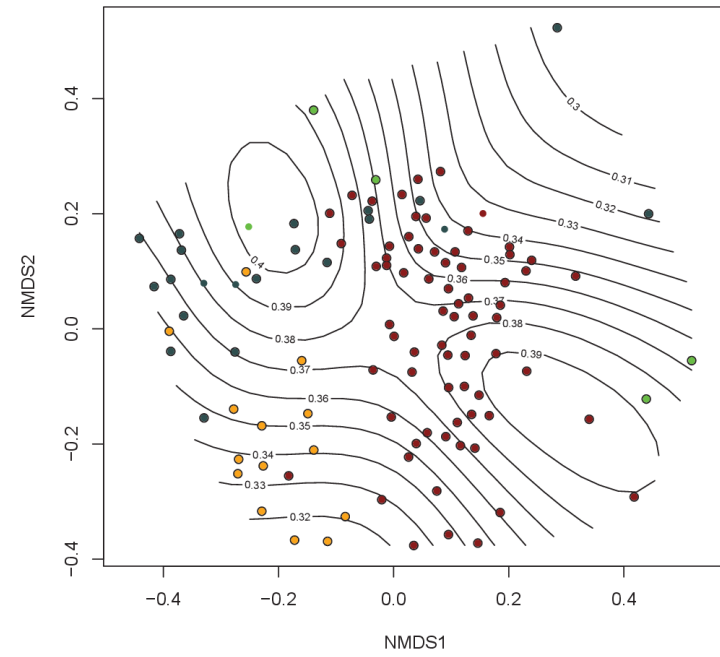
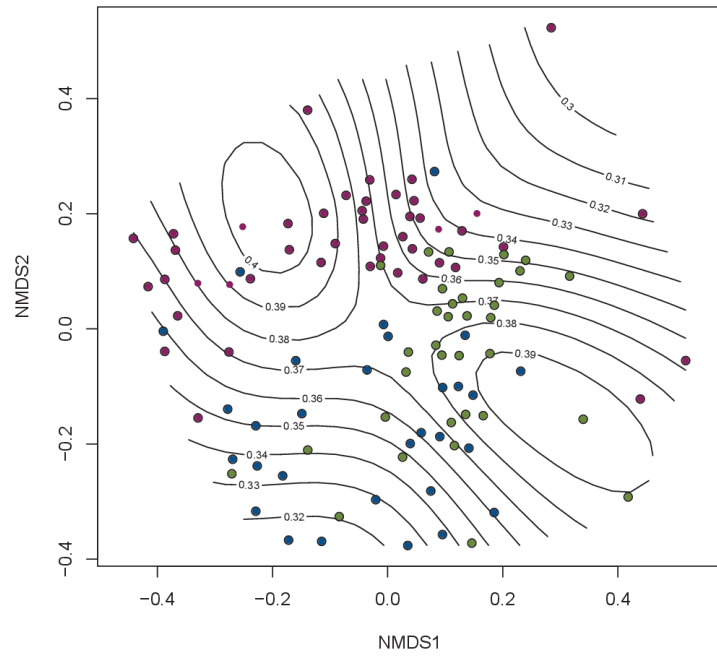
Root K content



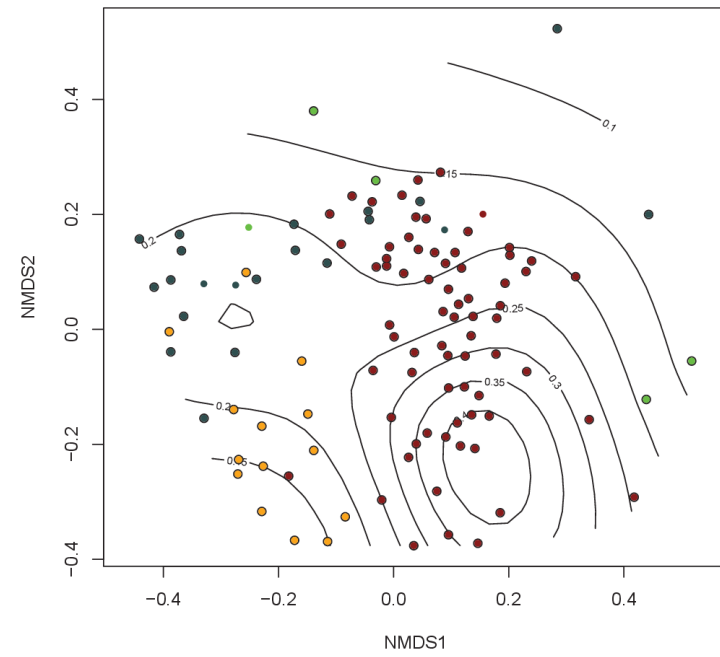
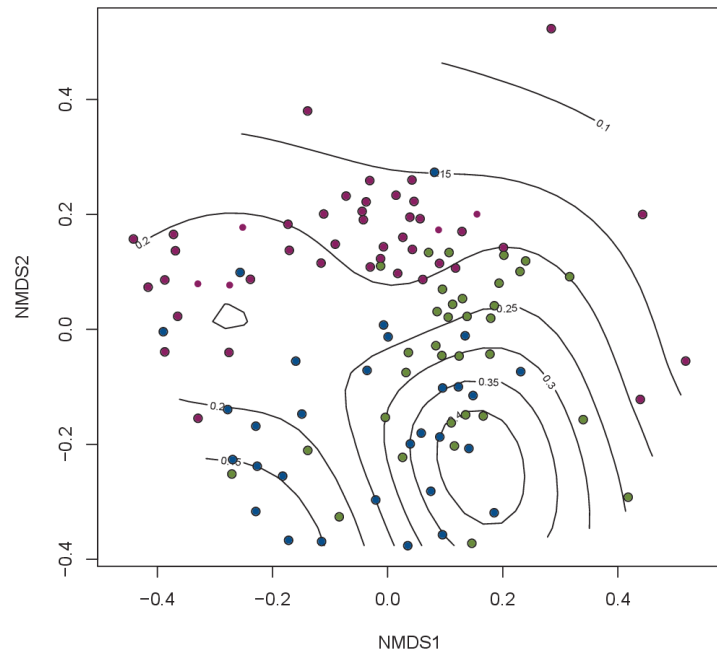
Root Mg content



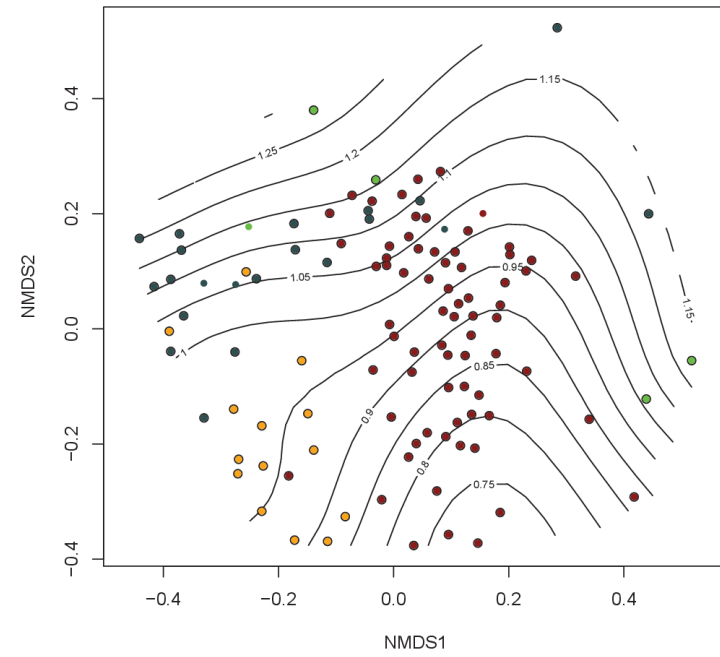
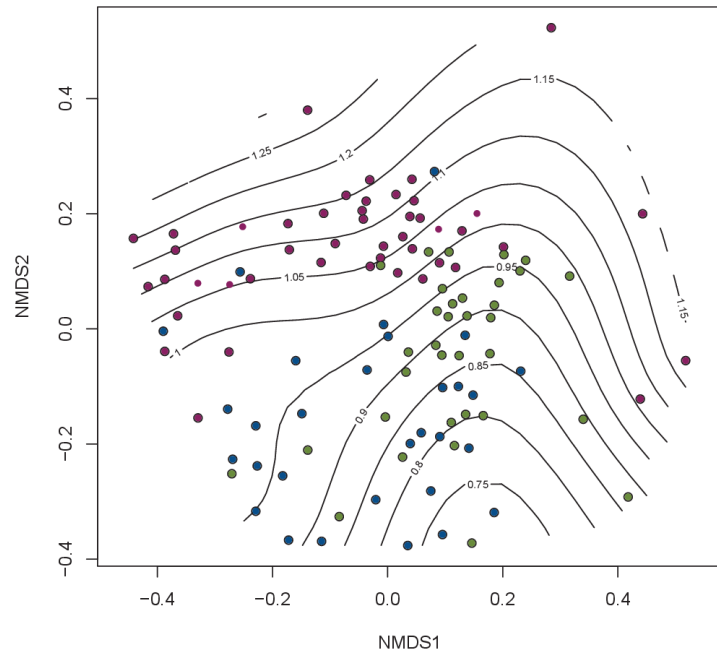
Root Mn content



Root Na content



Root P content



Root S content

