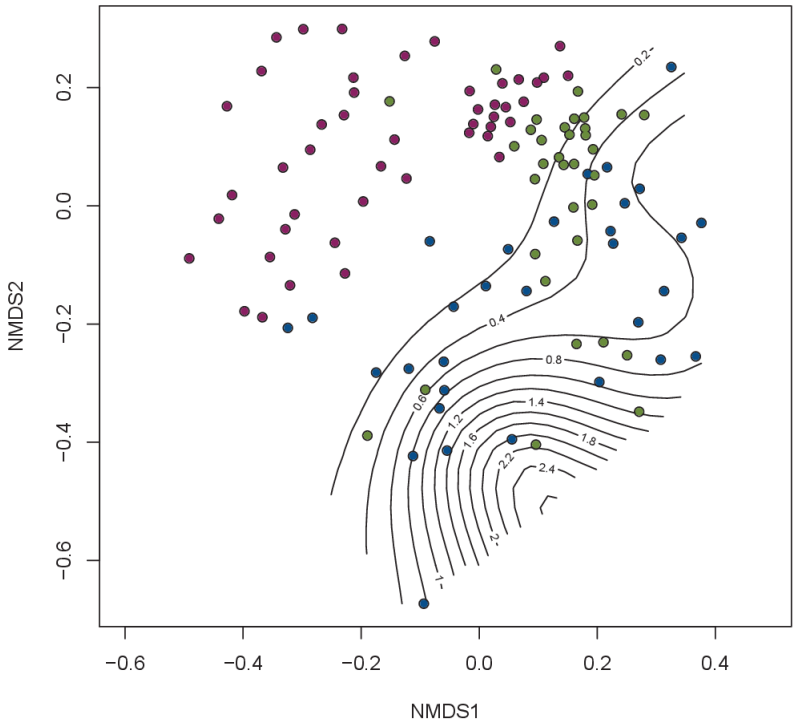
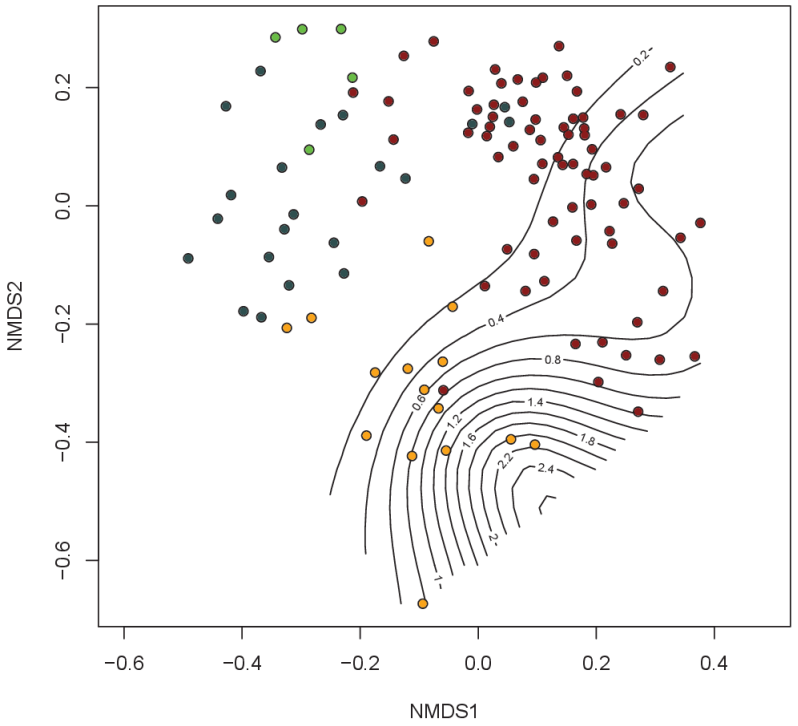
Supplementary Figure S5: NMDS of fungal communities, with ordisurf for different variables. A) All fungi b) Em c) saprophytes d) unknown

a) All fungi

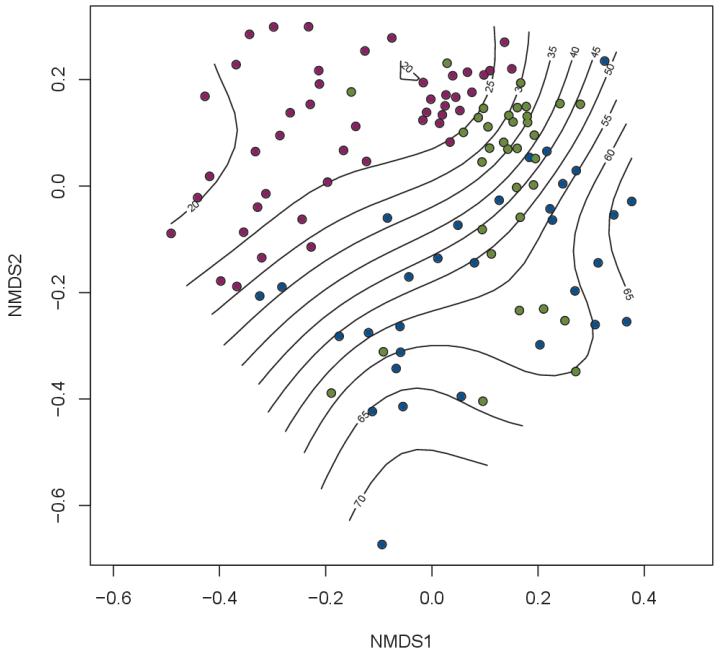
All fungi	by Exploratory	by dominant tree species
Mineral soil Inorganic C		

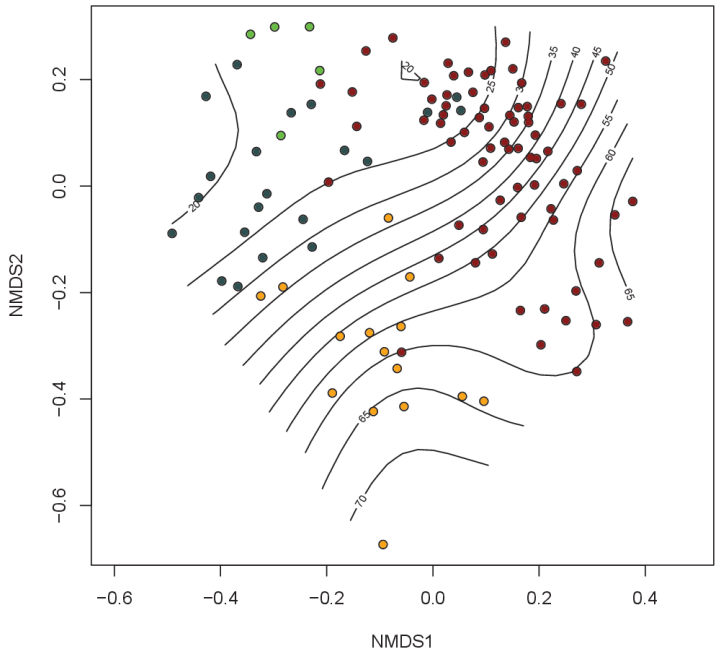
All fungi

by Exploratory

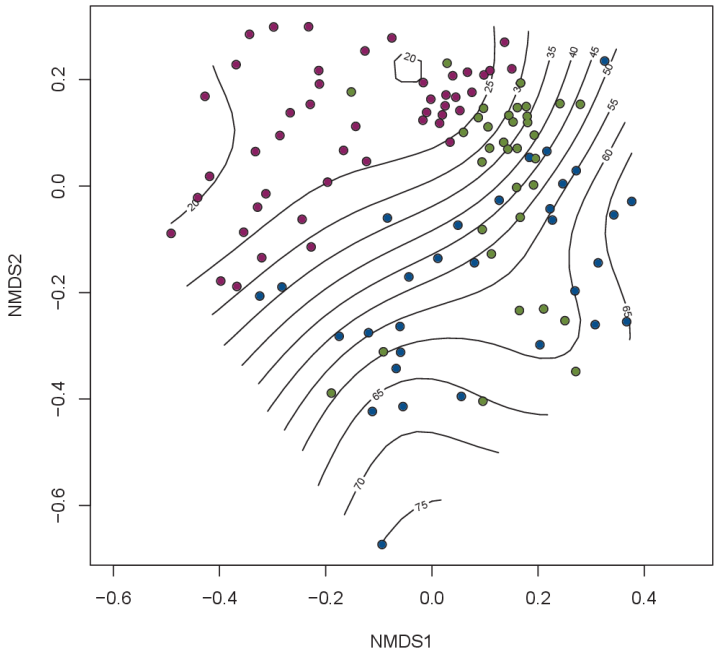
by dominant tree species

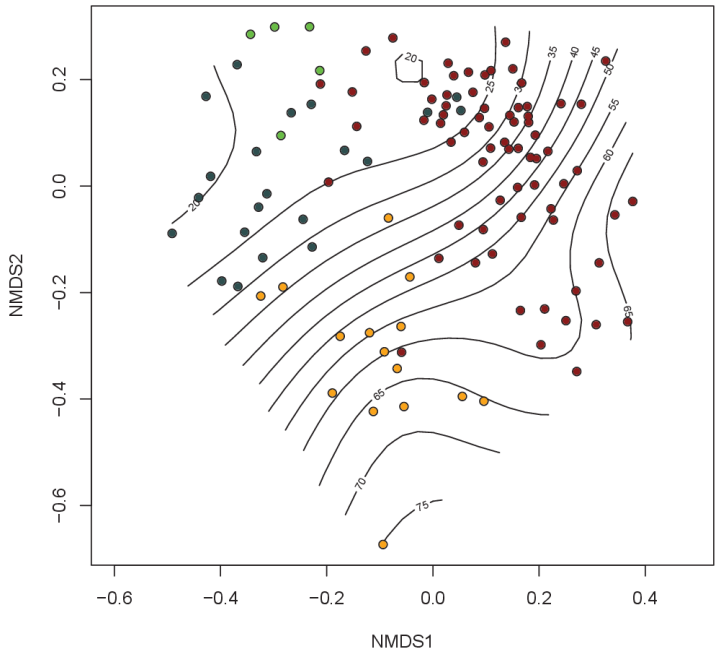
Mineral soil Organic C





Mineral soil Total C



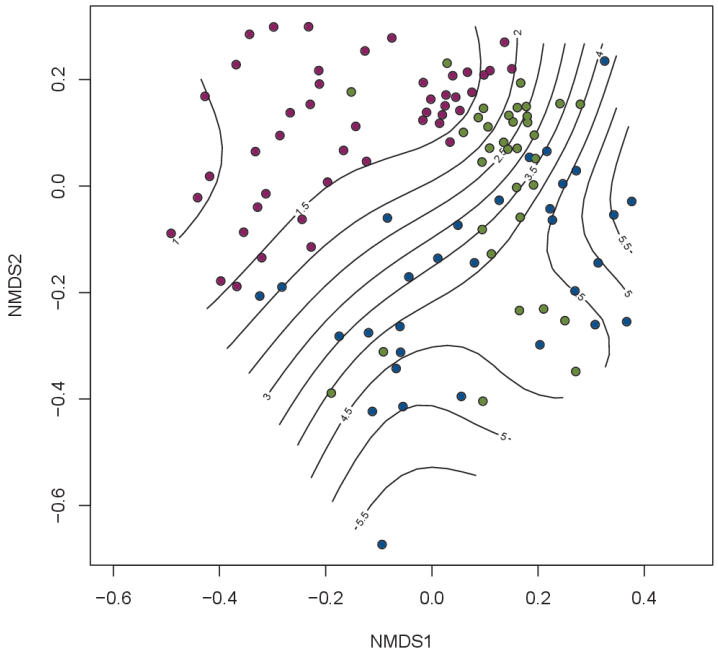


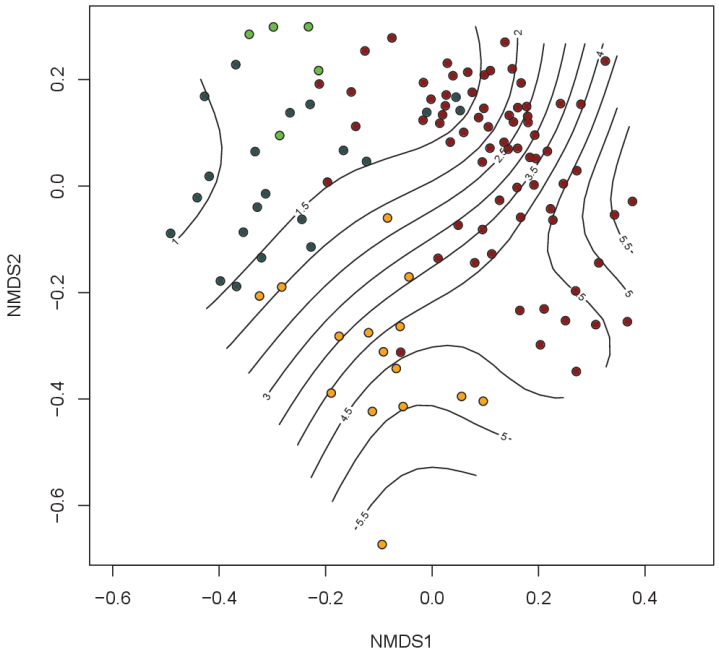
All fungi

by Exploratory

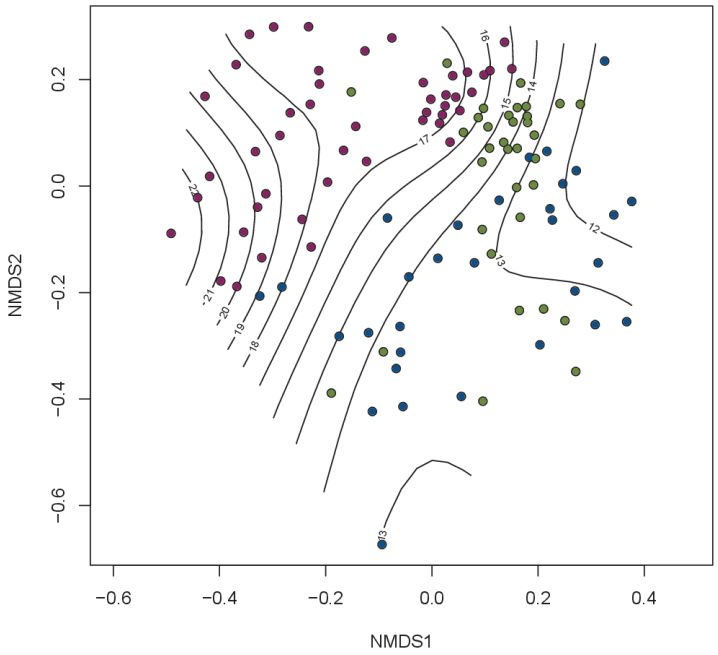
by dominant tree species

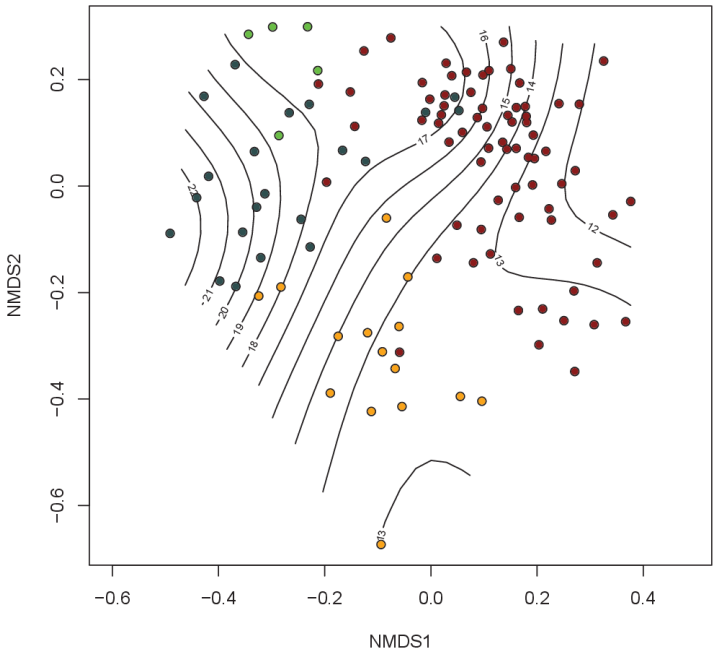
Mineral soil Total N





Mineral soil CN ratio



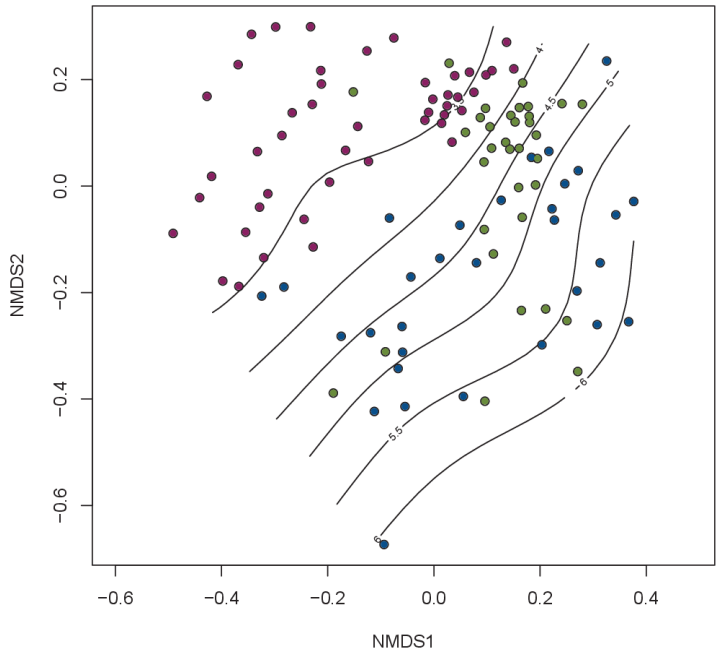


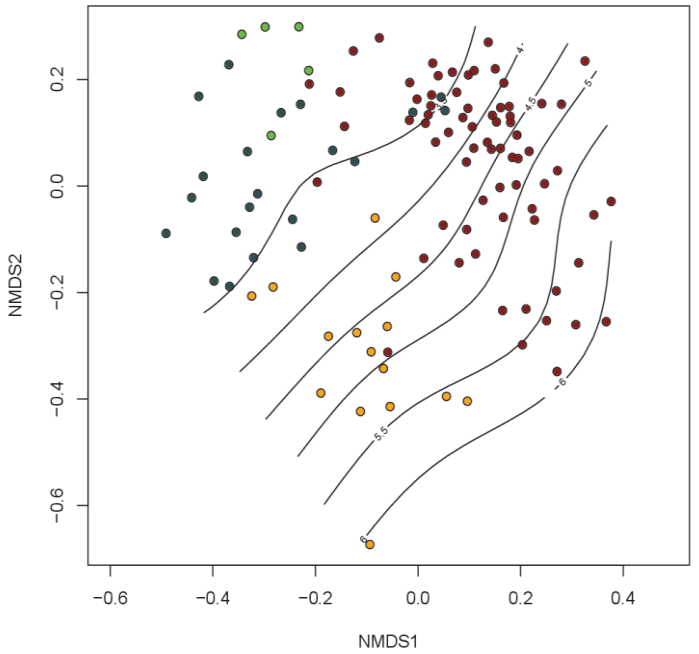
All fungi

by Exploratory

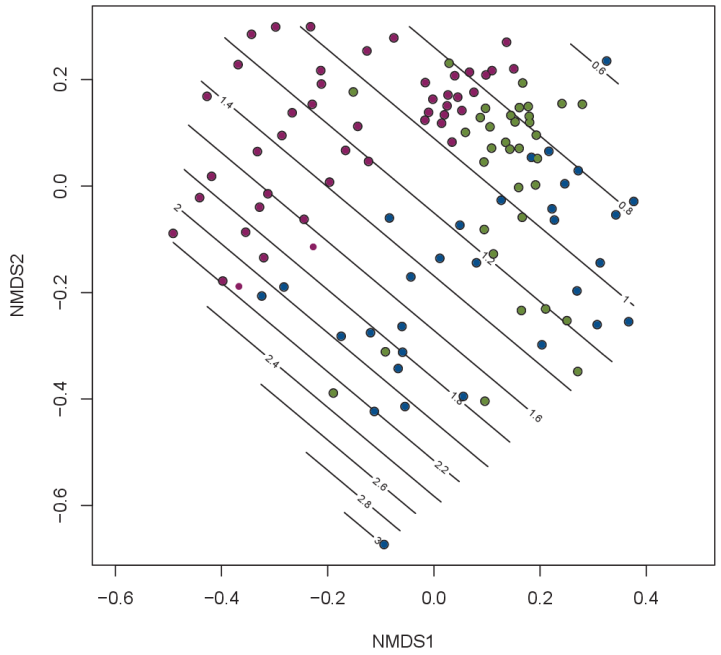
by dominant tree species

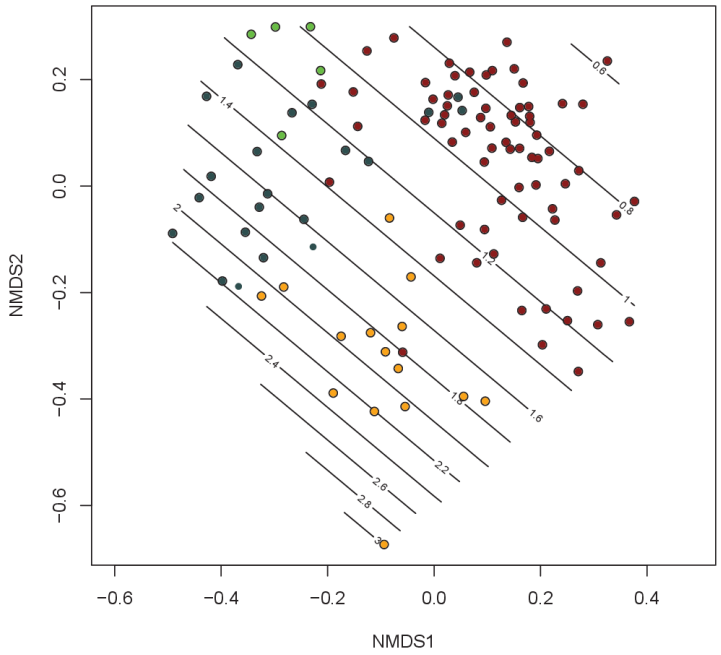
Mineral soil pH 1





ForMI



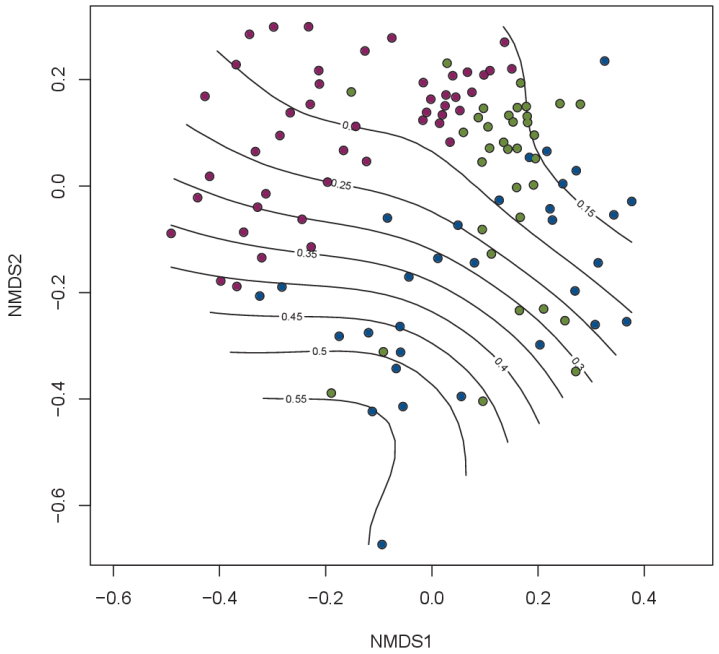


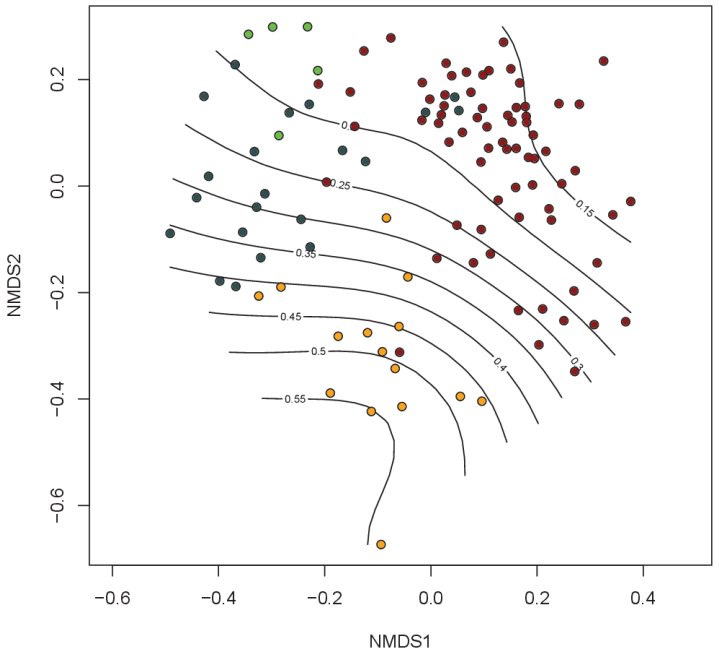
All fungi

by Exploratory

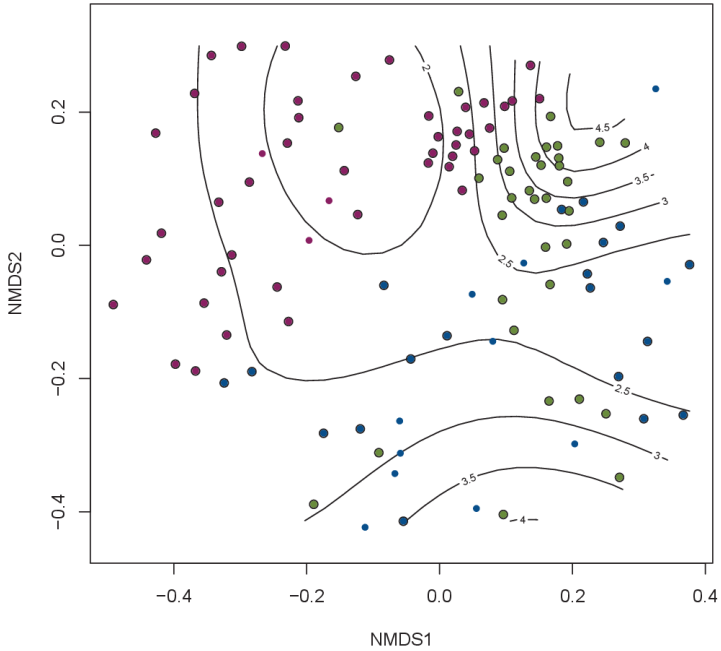
by dominant tree species

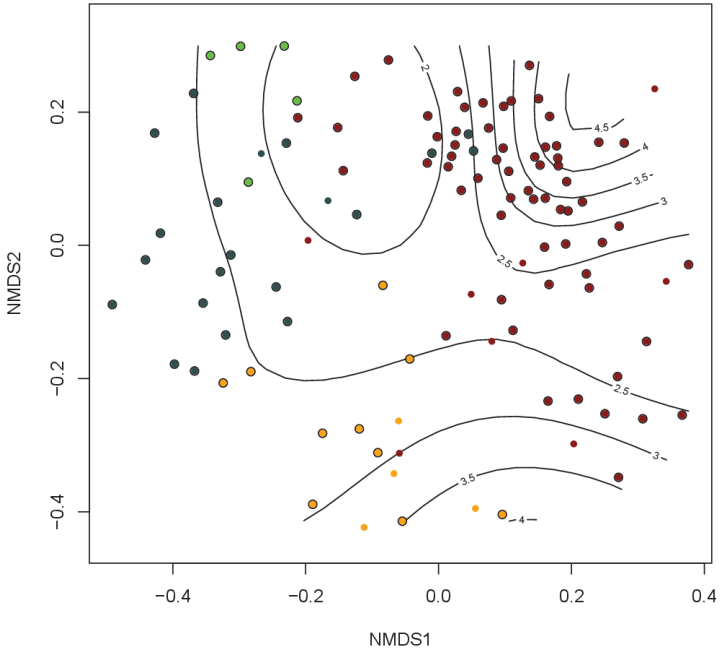
SMI





Coarse Roots Biomass



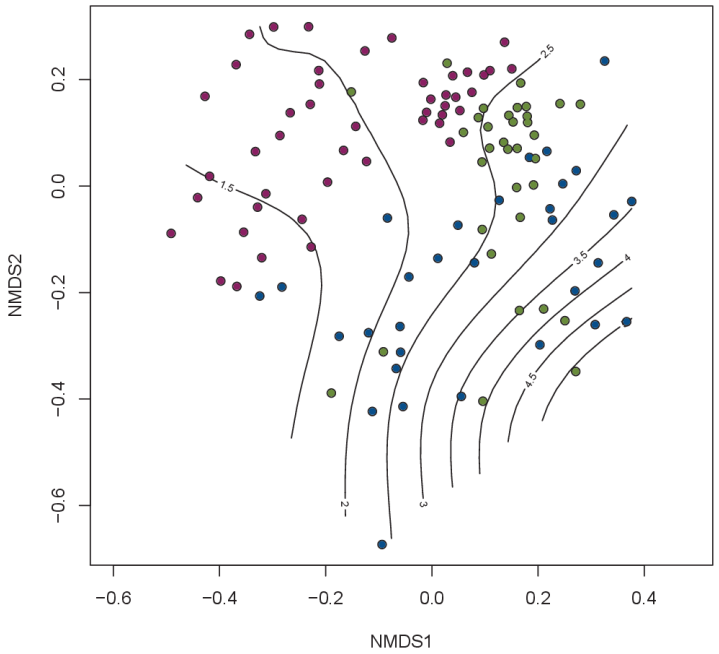


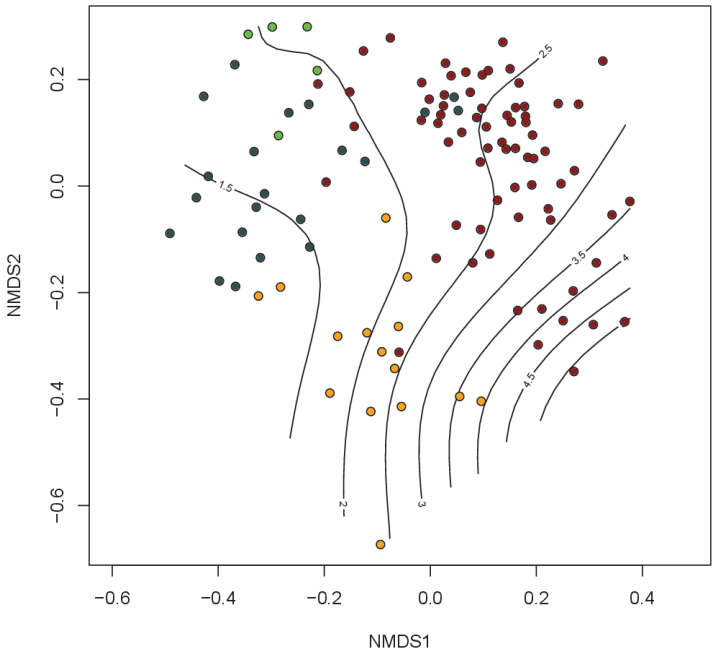
All fungi

by Exploratory

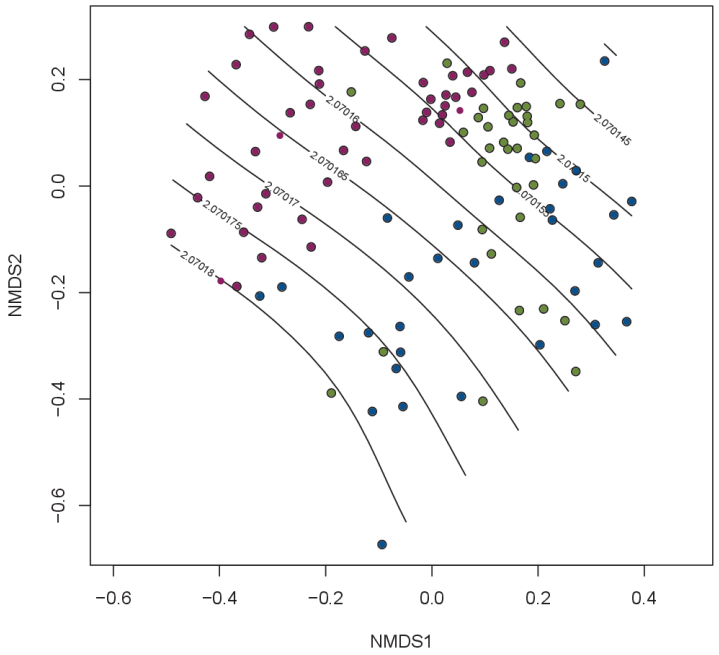
by dominant tree species

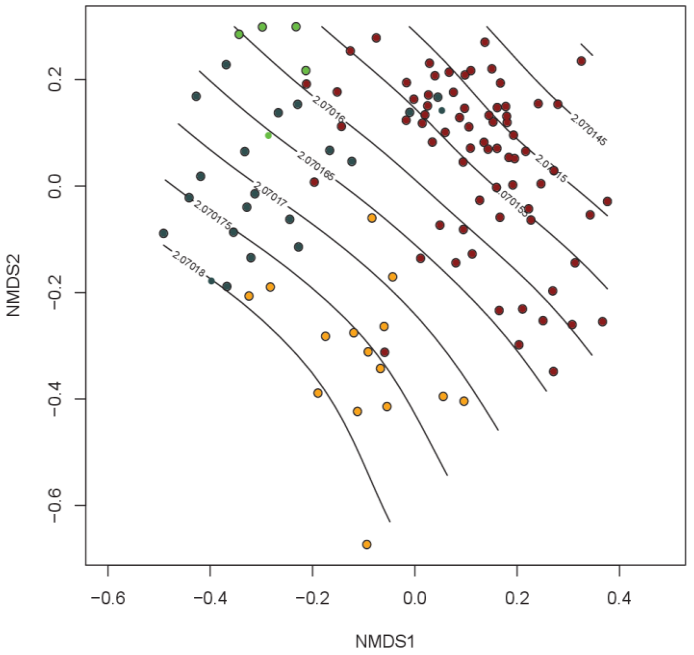
Fine Roots Biomass





Root fructose content



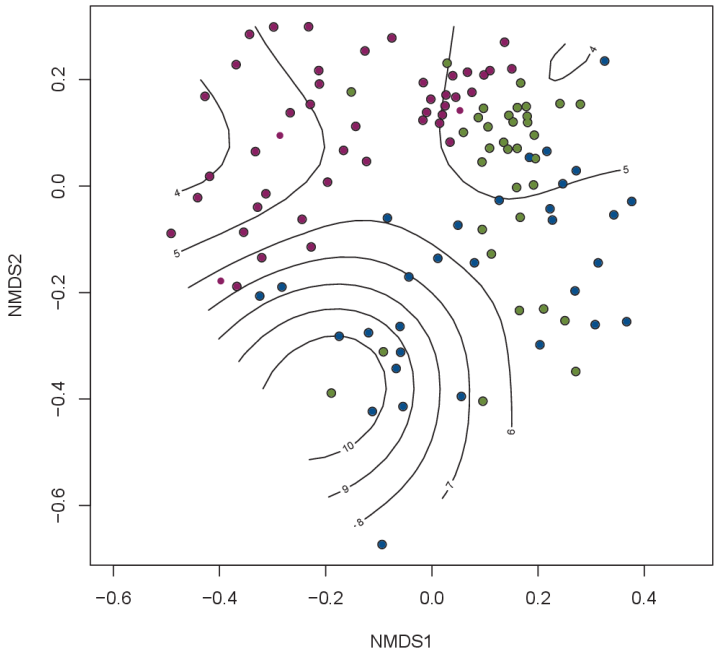


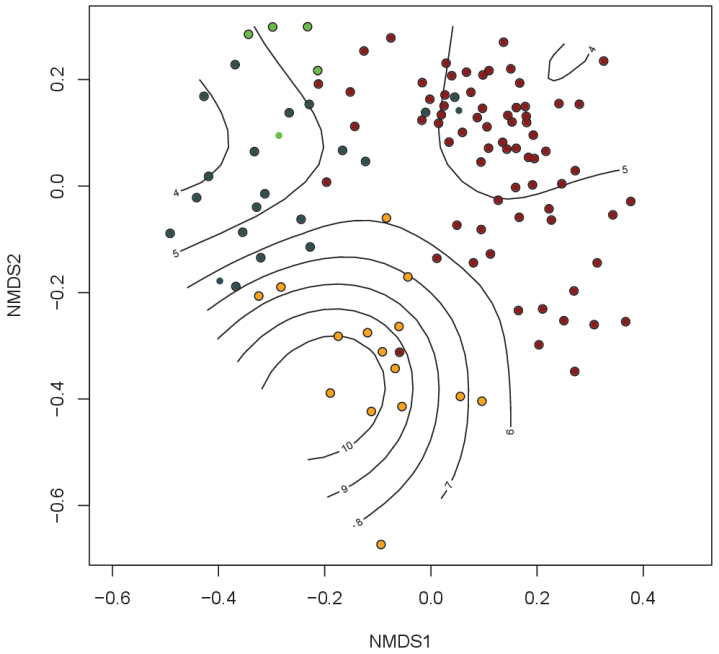
All fungi

by Exploratory

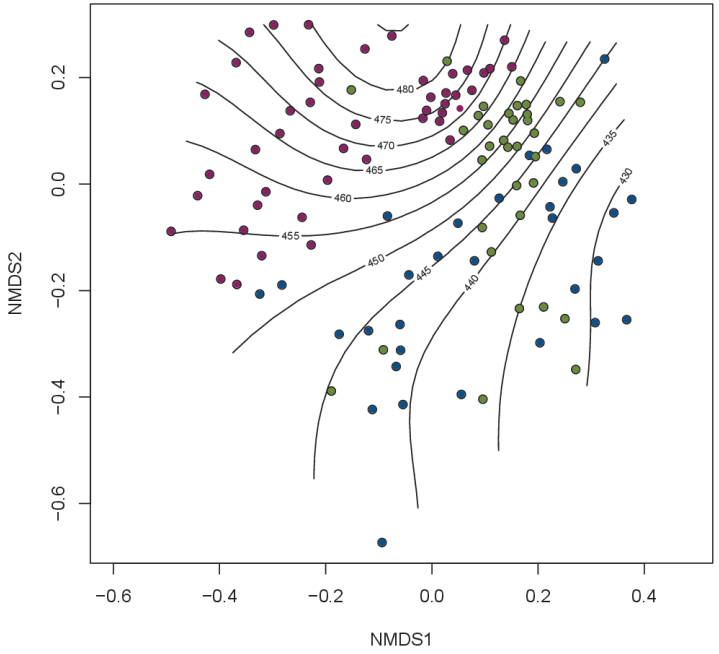
by dominant tree species

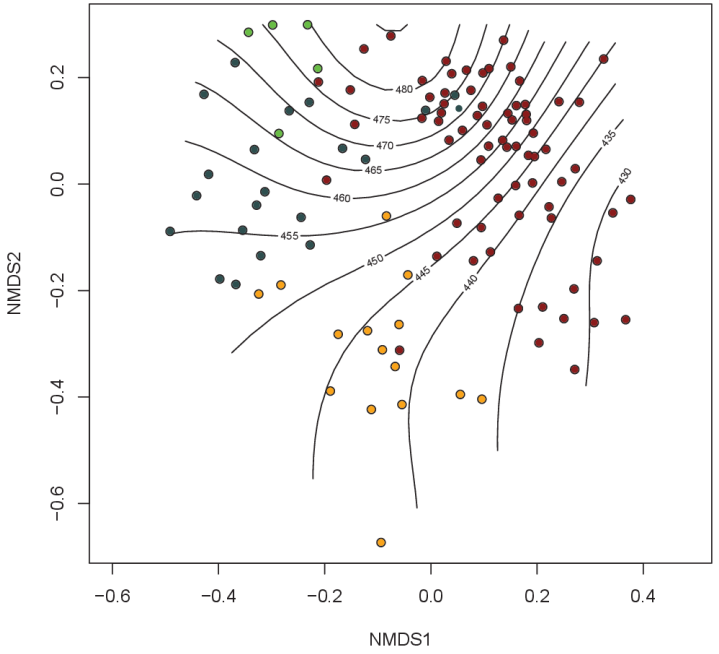
Root glucose content





Root C content



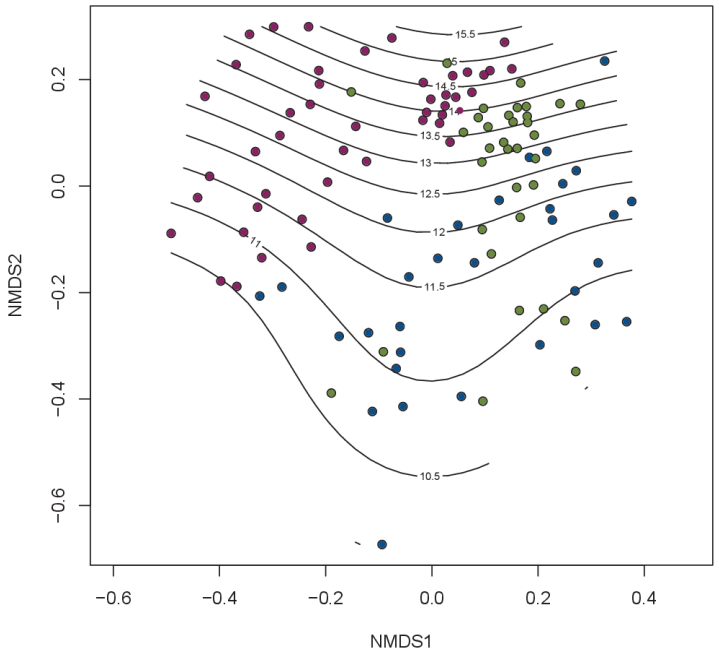


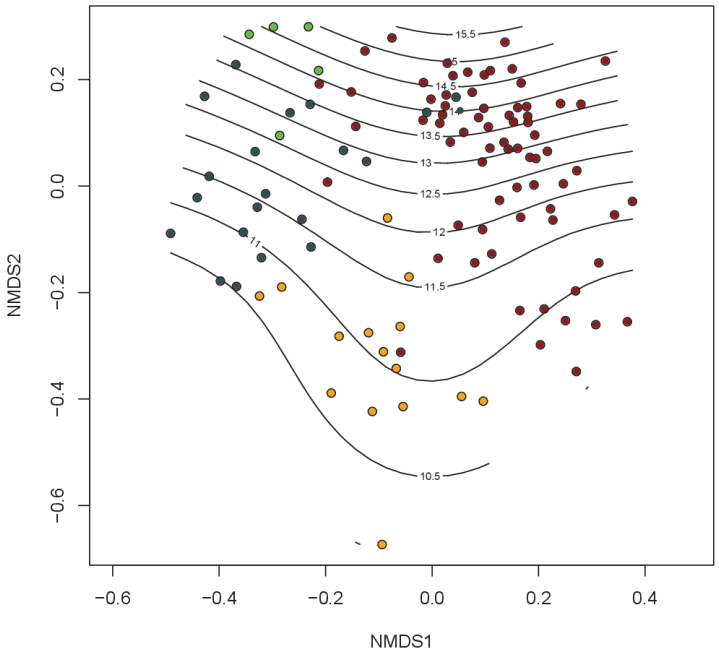
All fungi

by Exploratory

by dominant tree species

Root N content





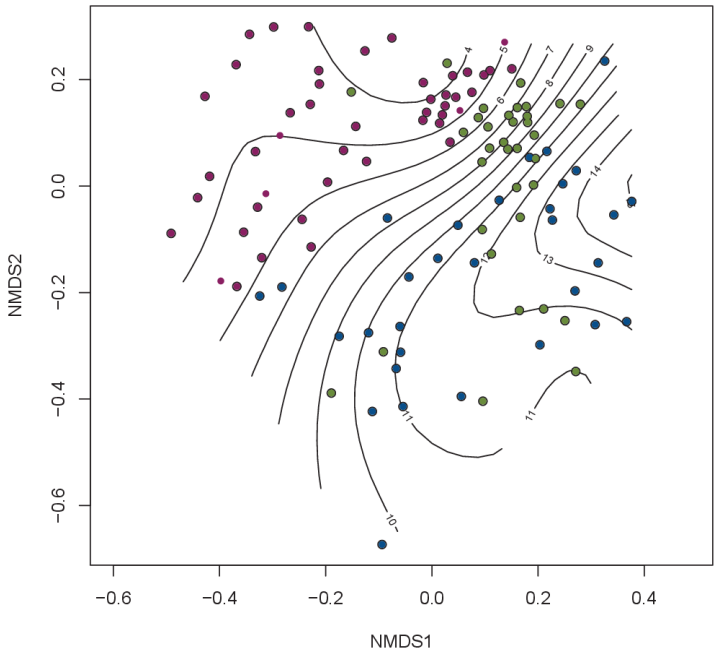
Root CN ratio

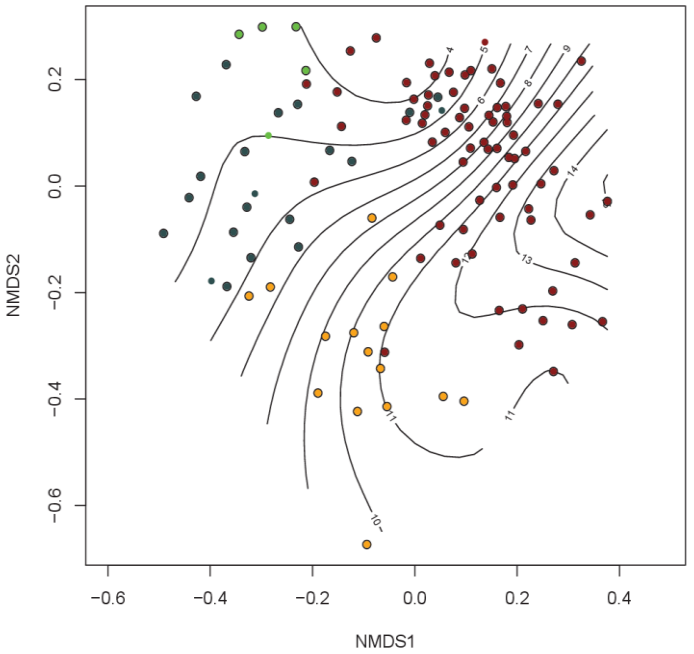
All fungi

by Exploratory

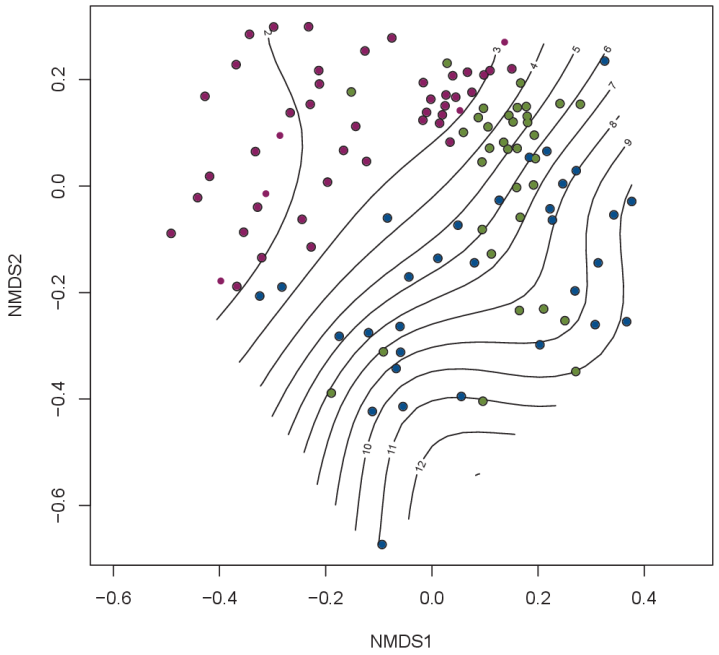
by dominant tree species

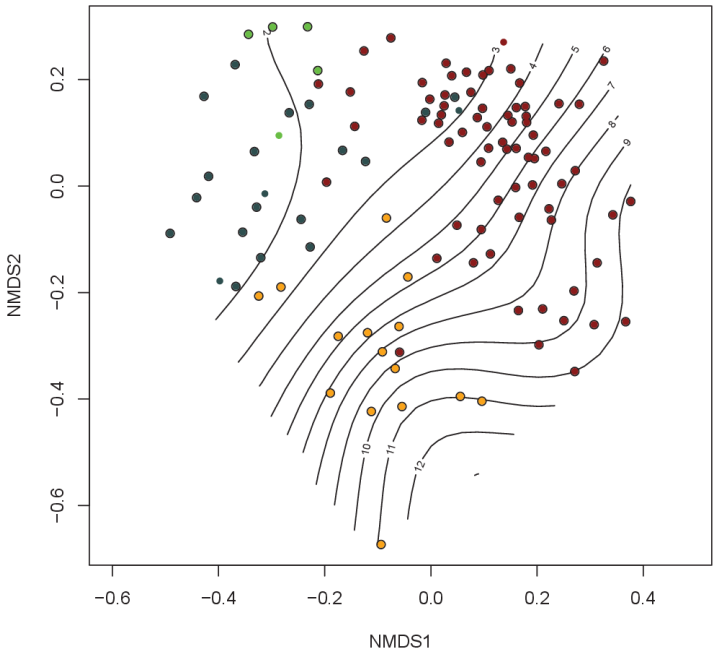
Root Al content





Root Ca content



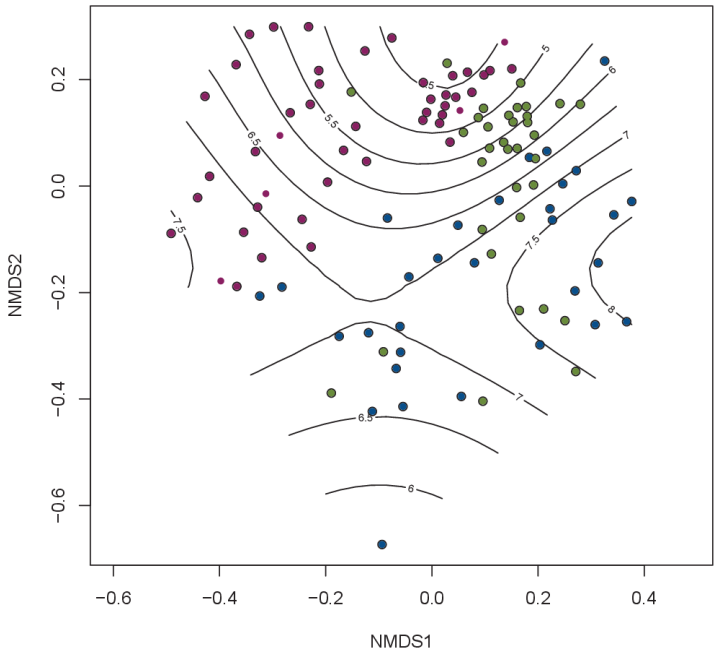


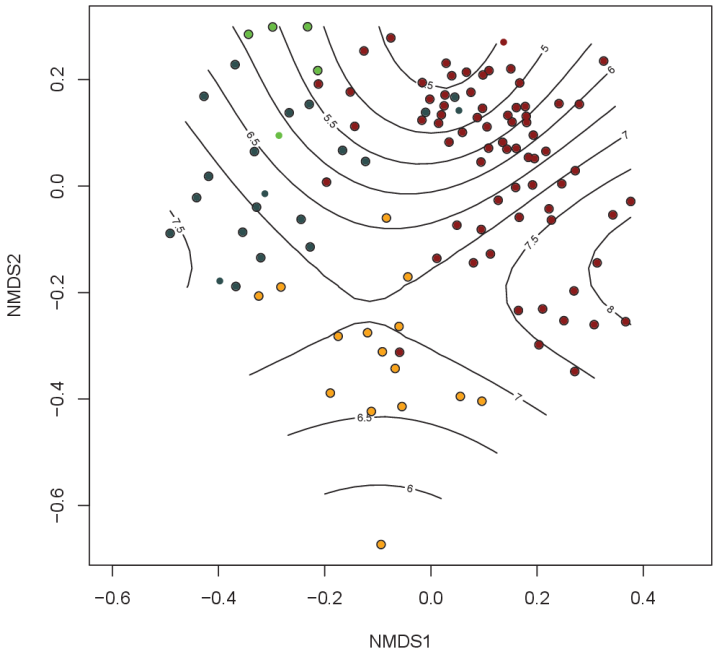
All fungi

by Exploratory

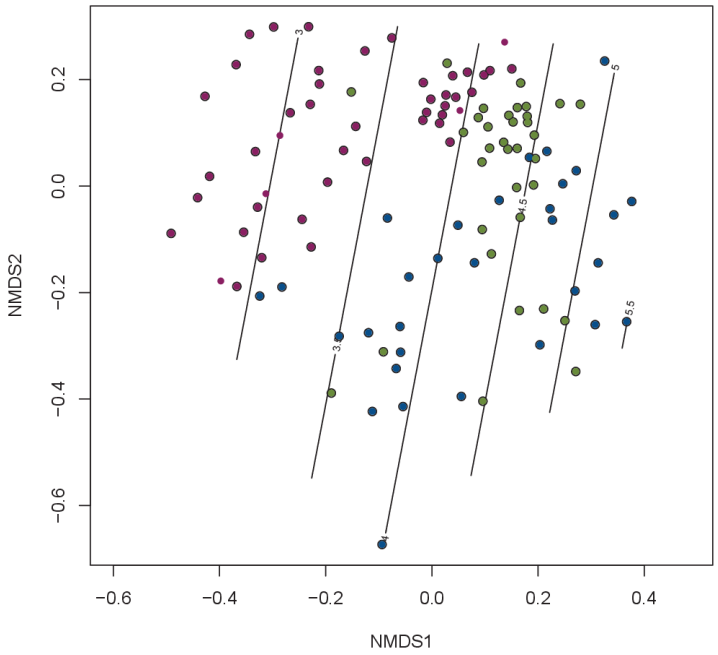
by dominant tree species

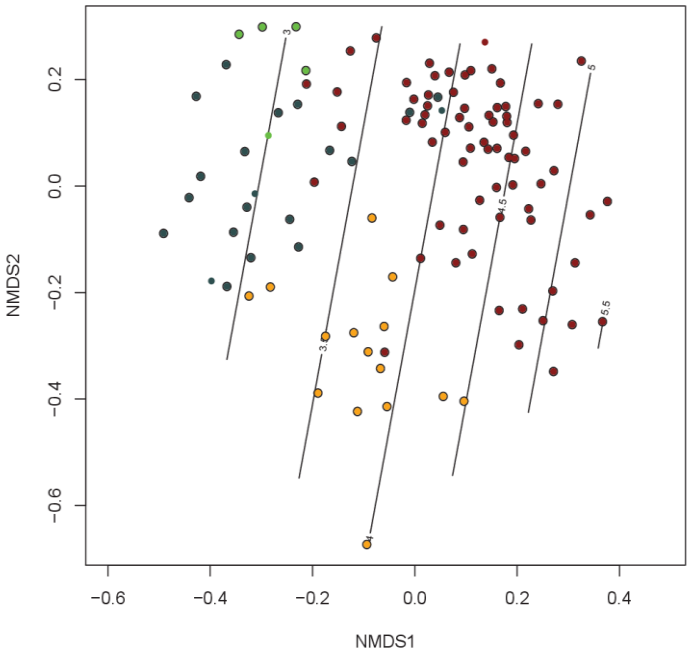
Root Fe content





Root K content



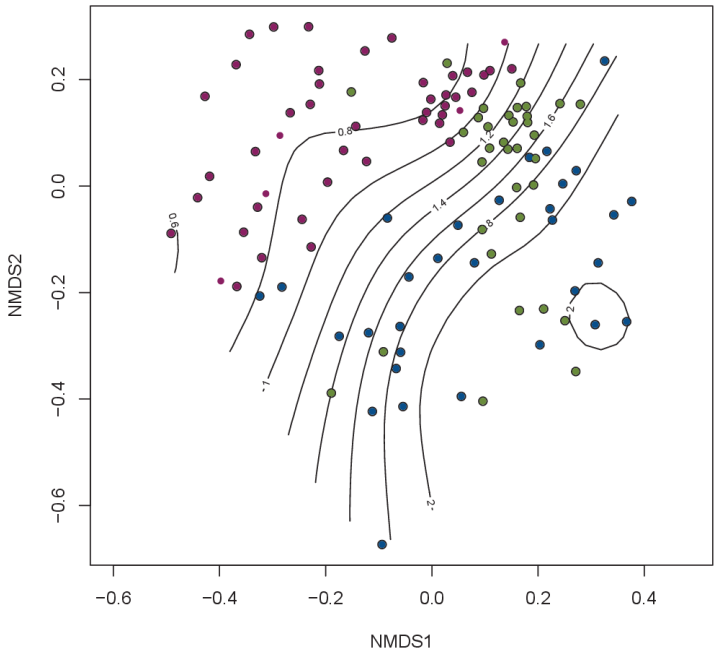


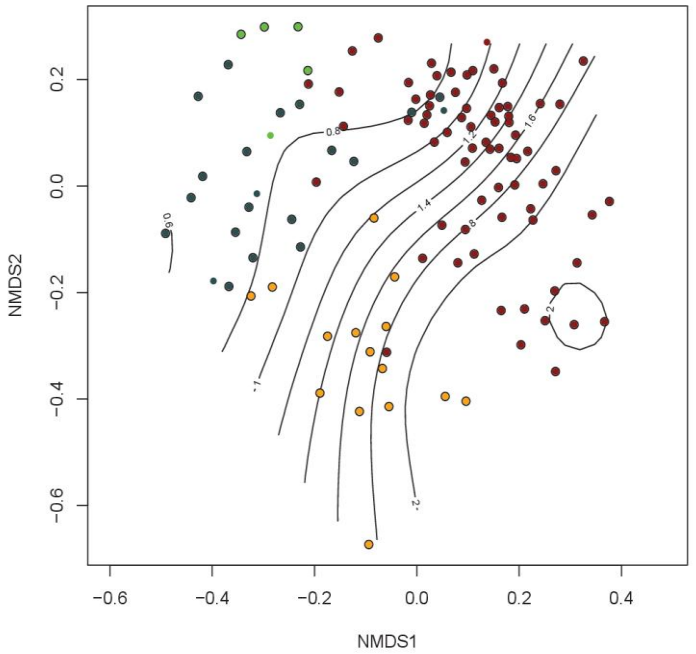
All fungi

by Exploratory

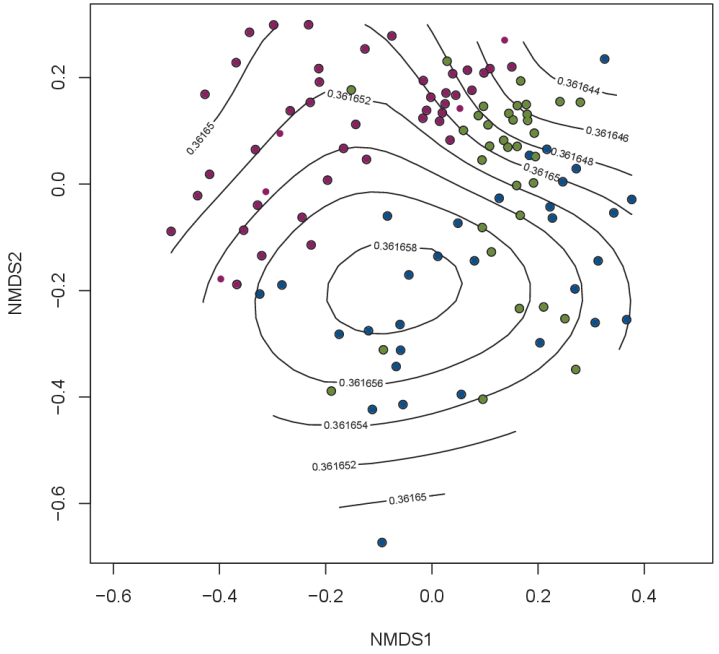
by dominant tree species

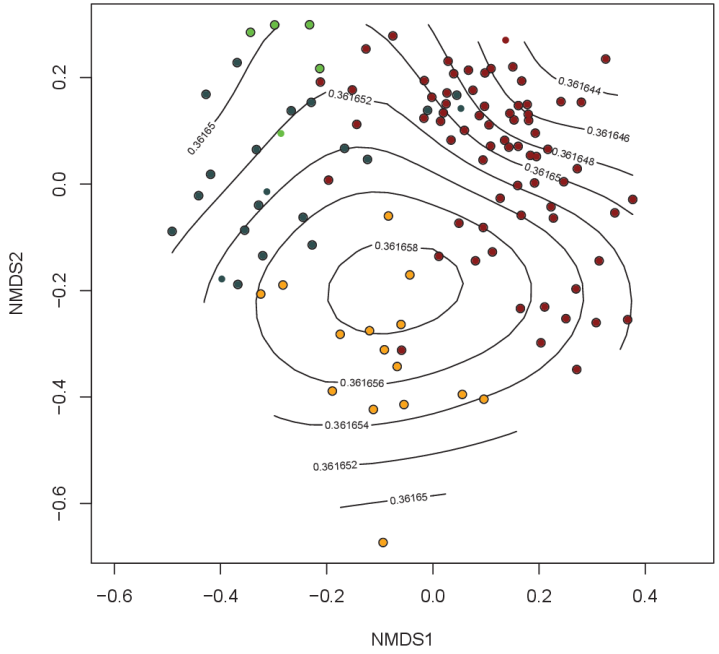
Root Mg content





Root Mn content



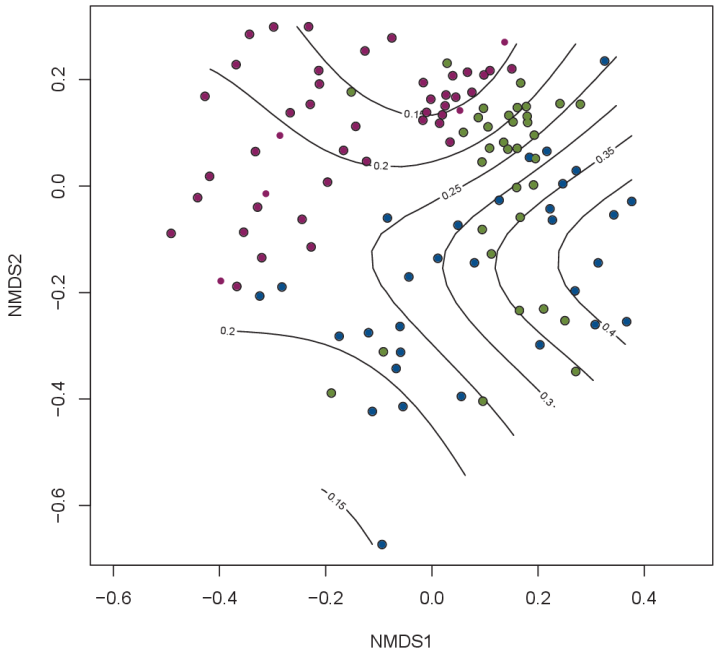


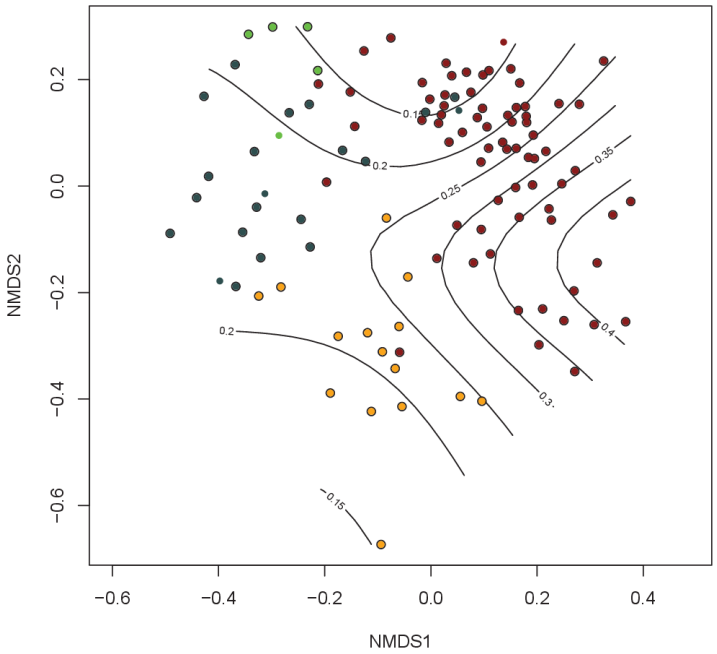
All fungi

by Exploratory

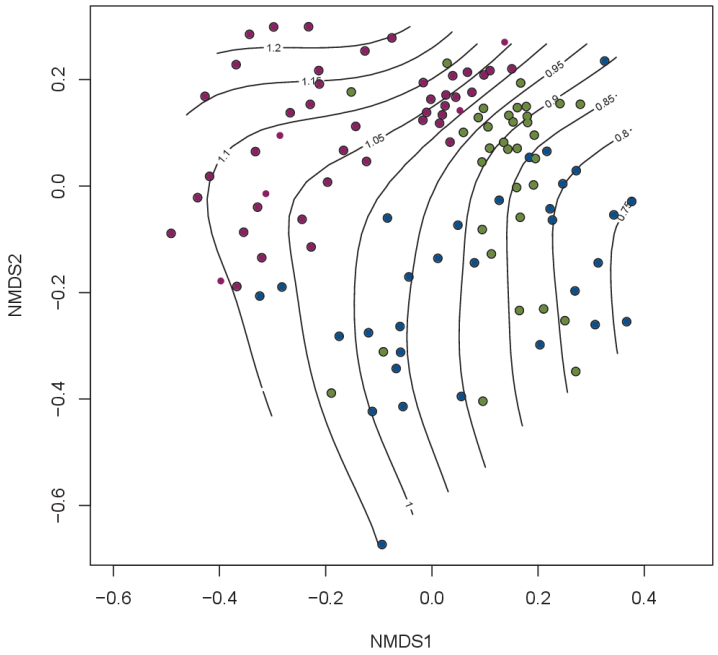
by dominant tree species

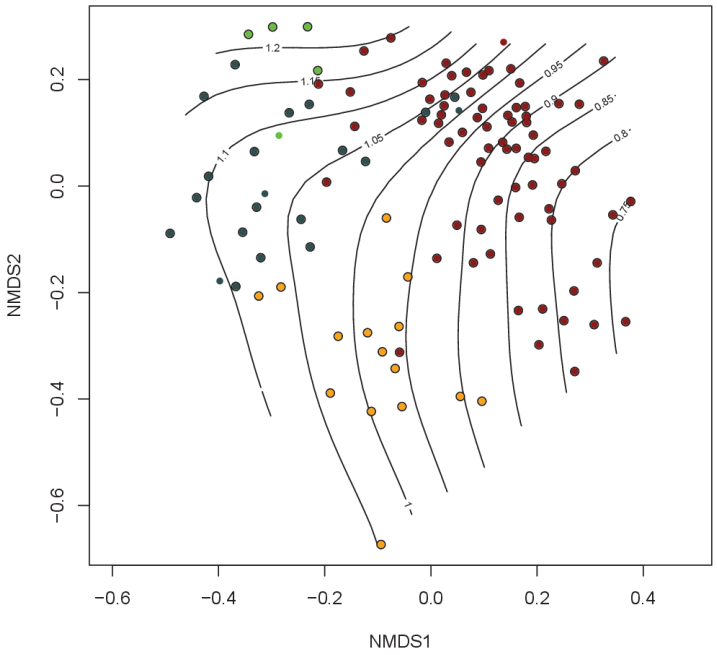
Root Na content





Root P content

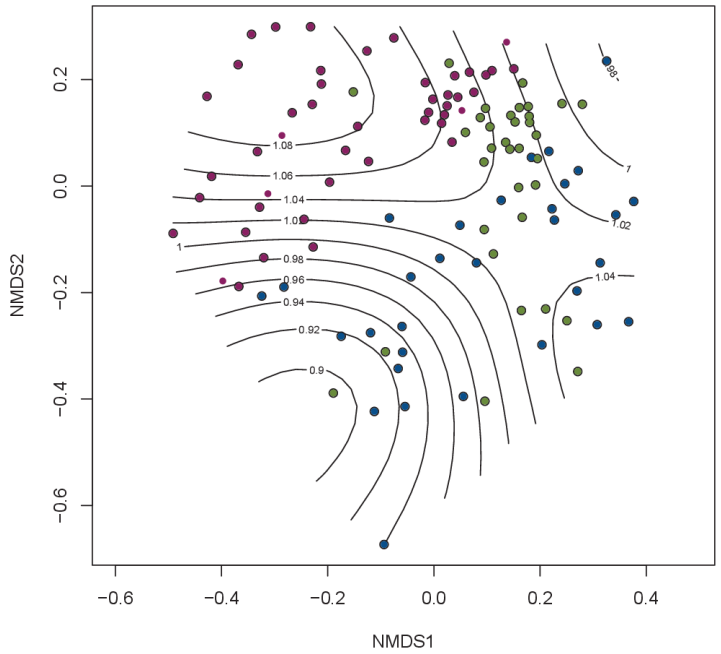




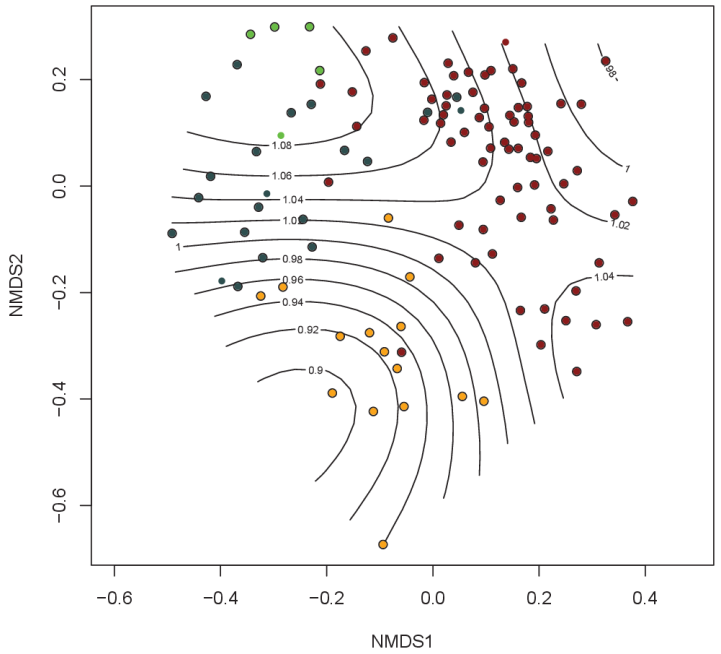
All fungi

Root S content

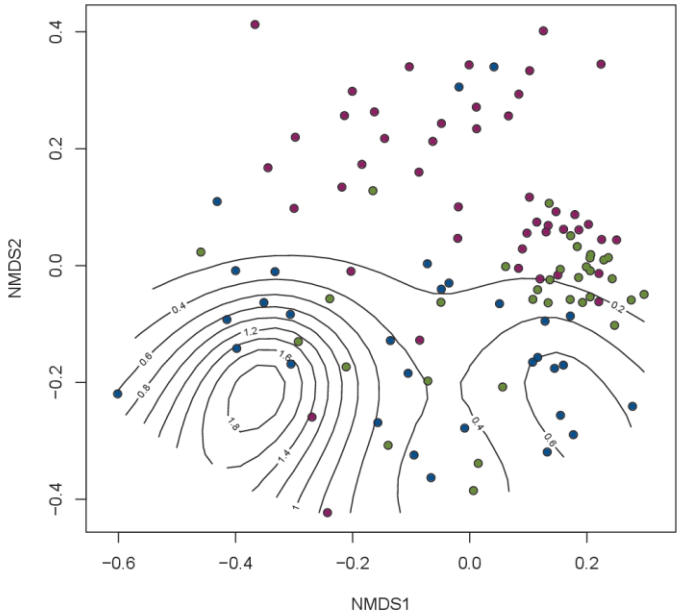
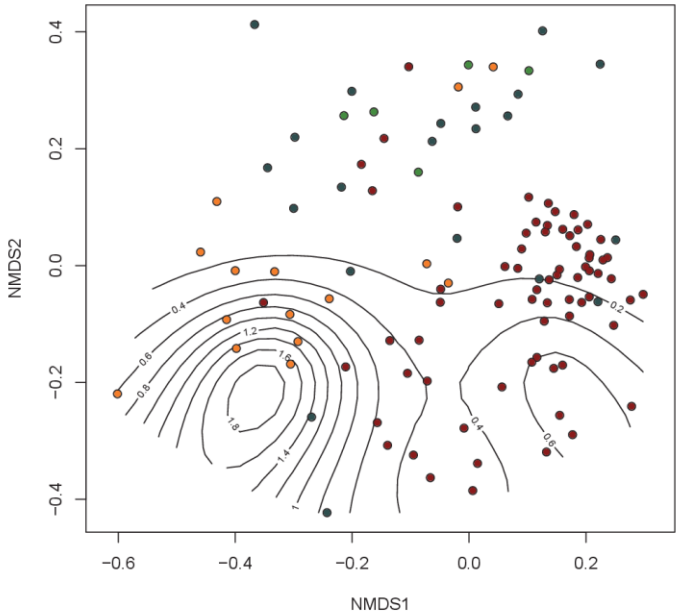
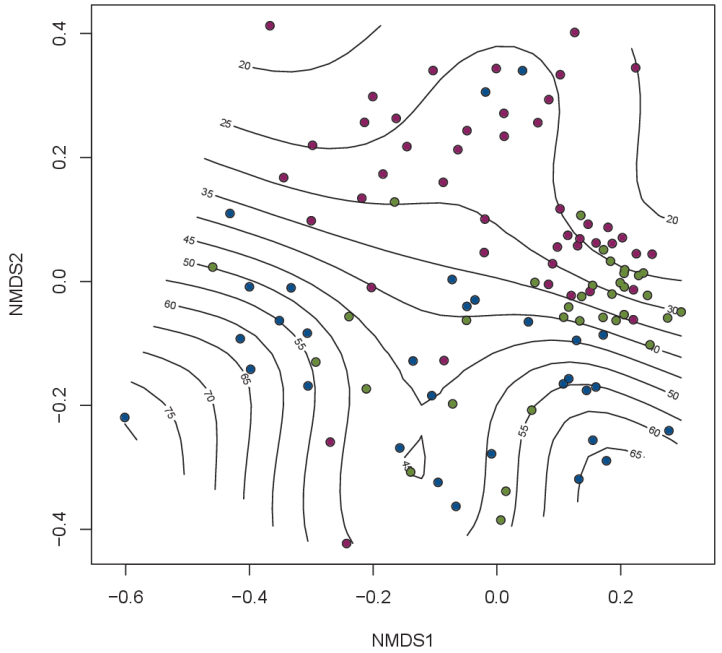
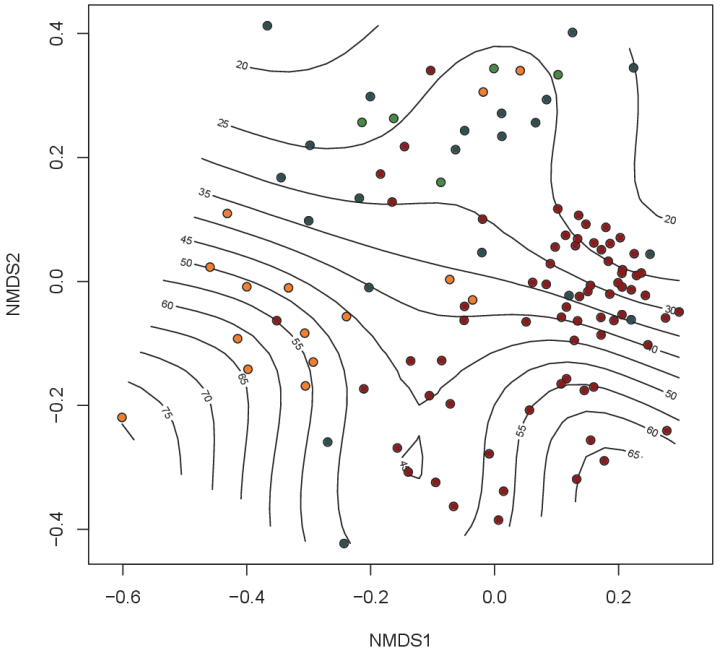
by Exploratory

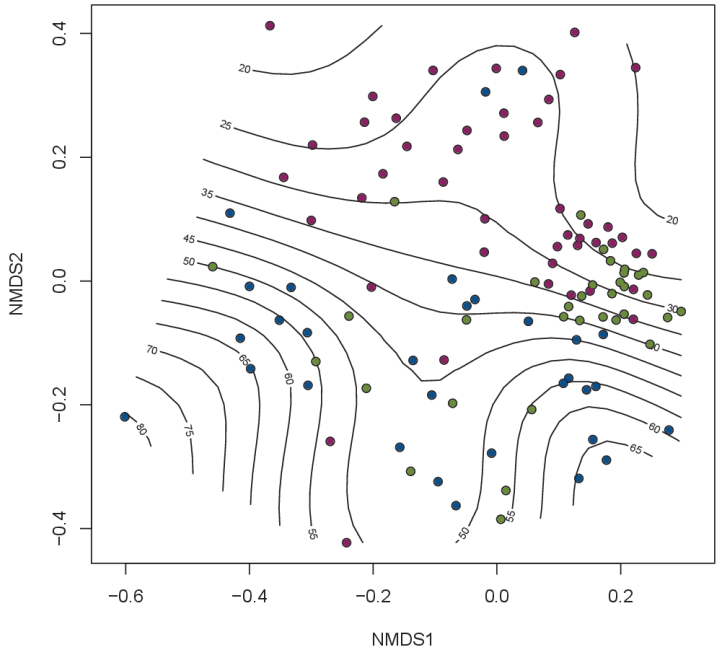
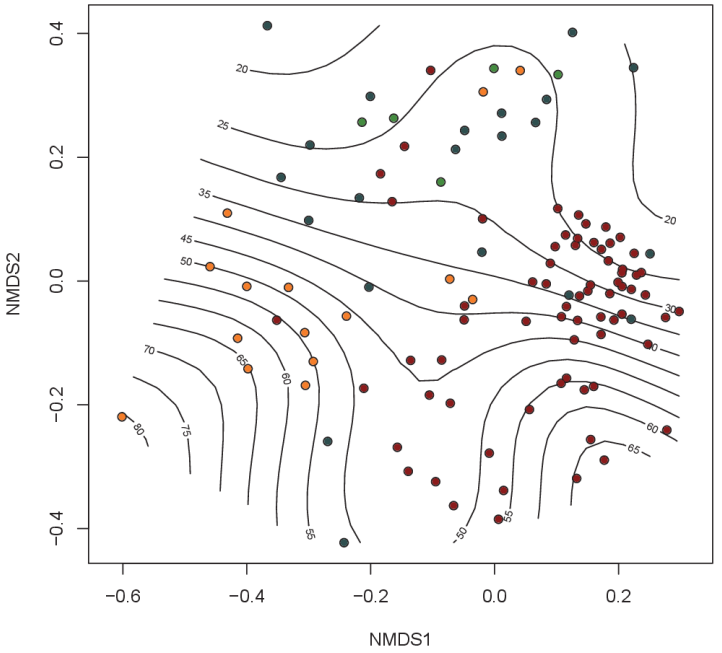
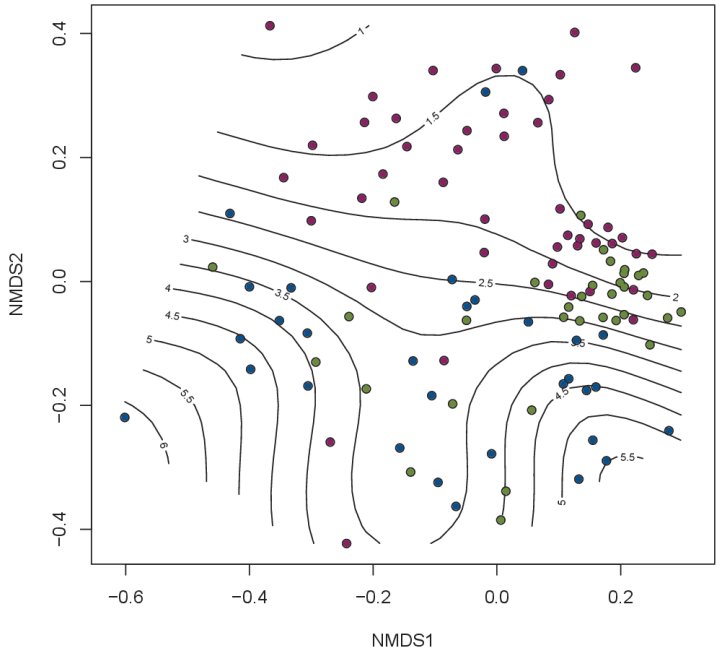
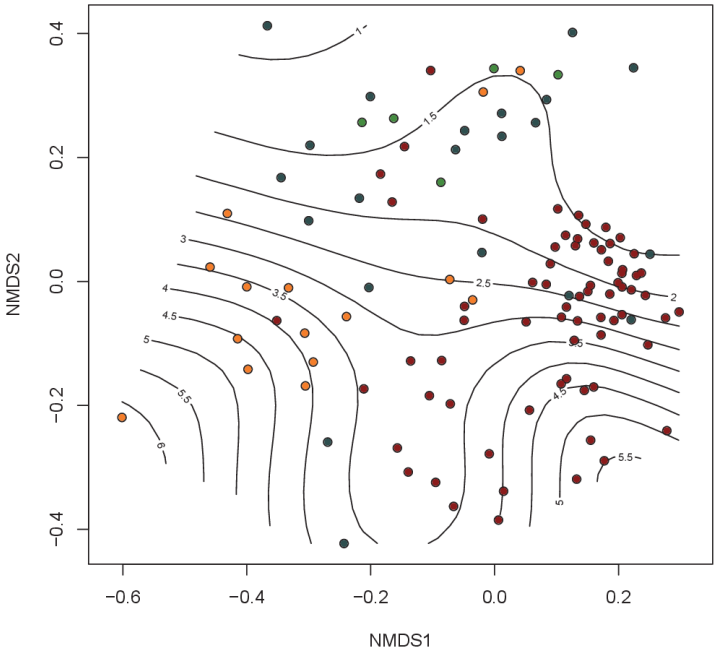


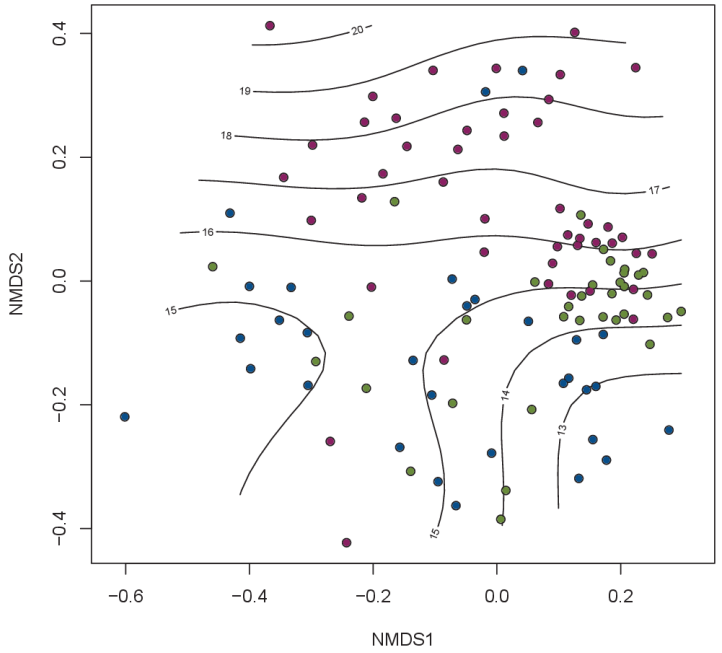
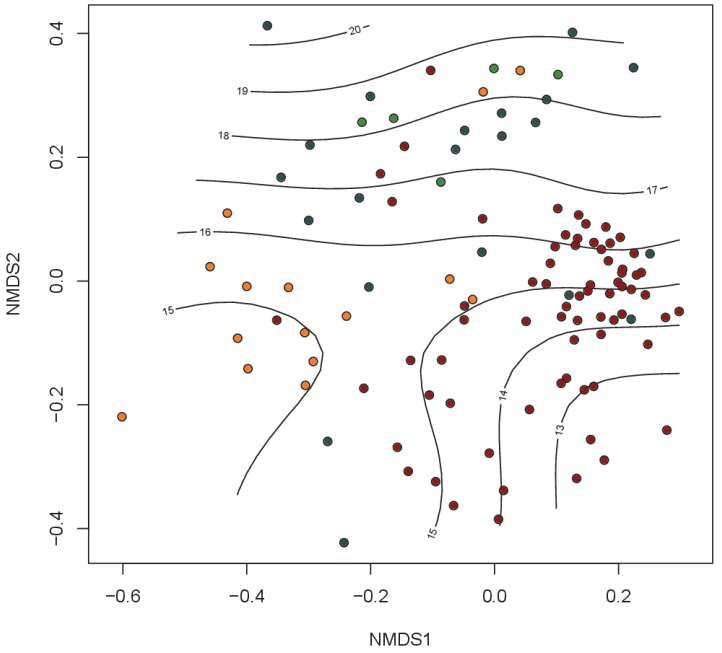
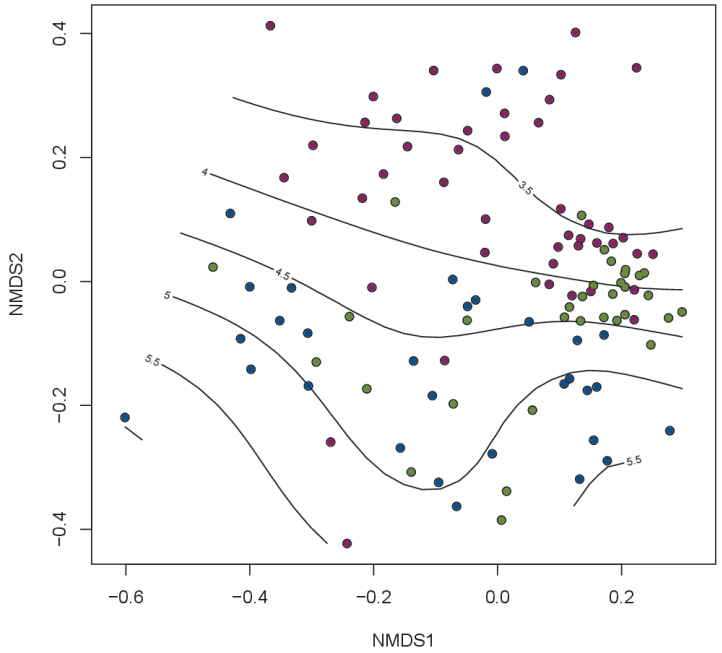
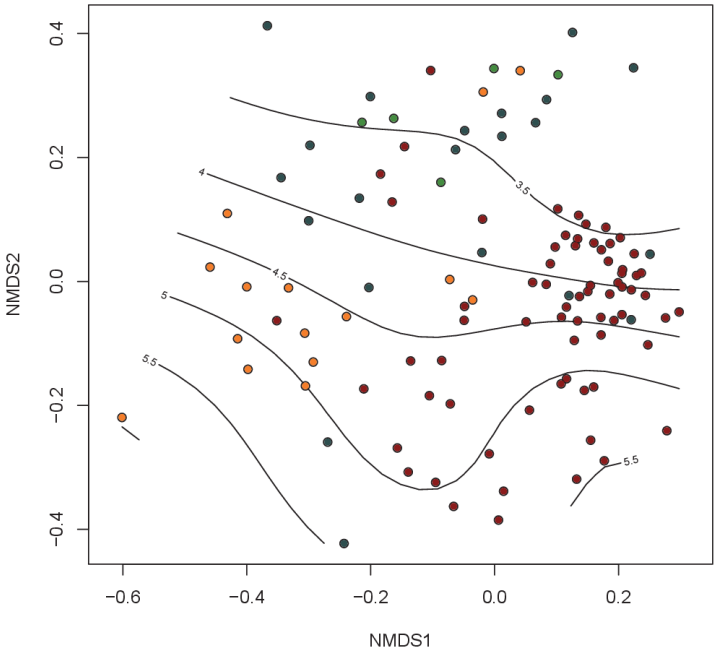
by dominant tree species

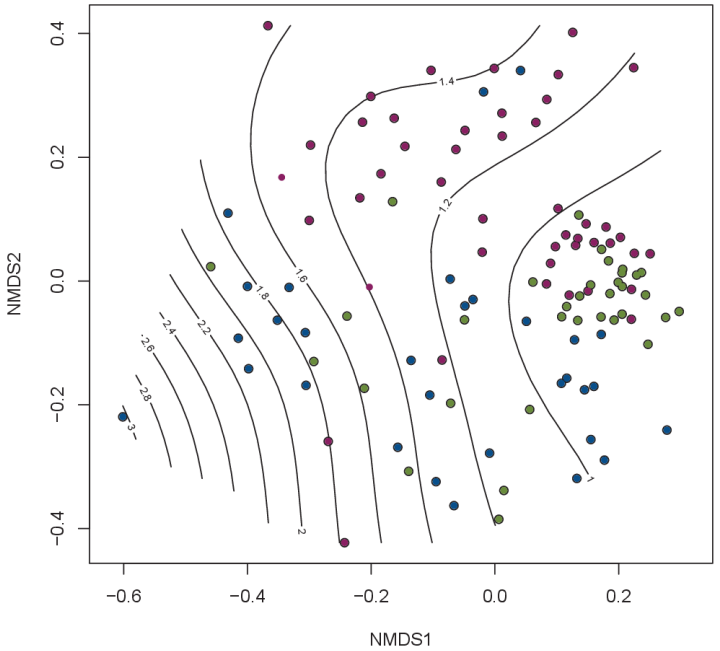
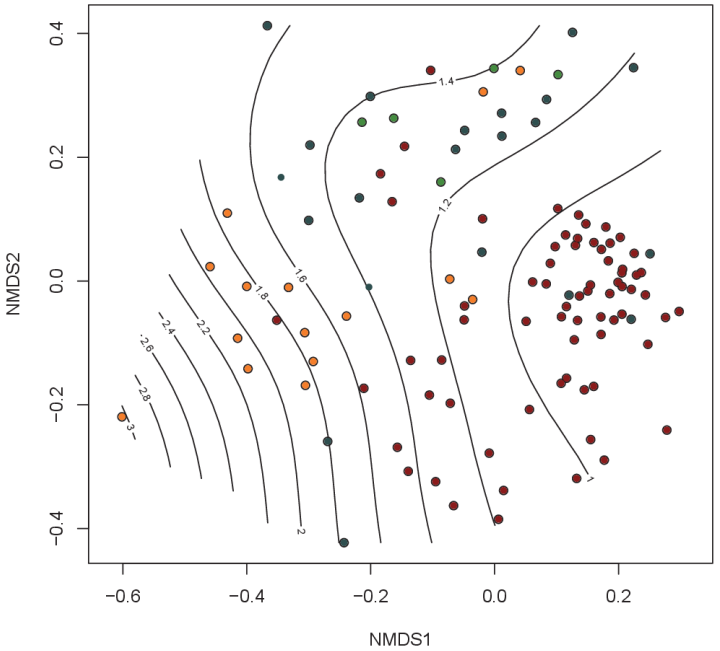
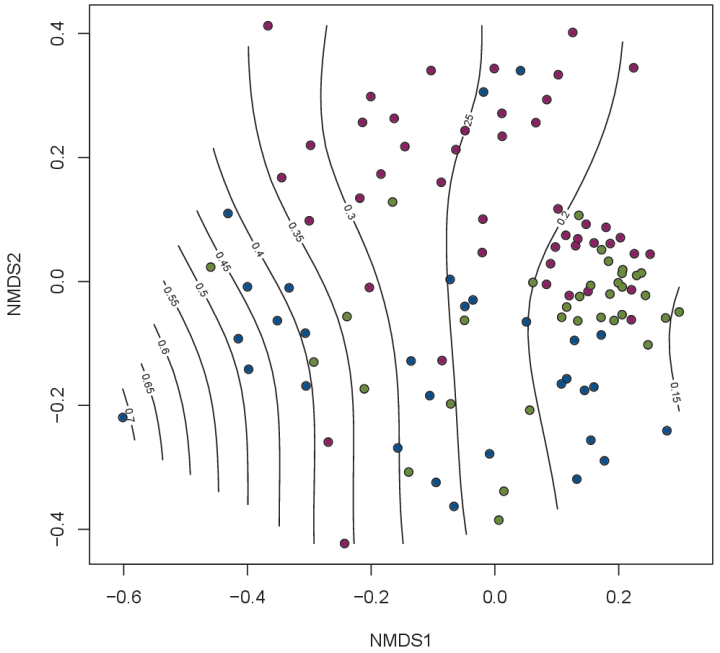
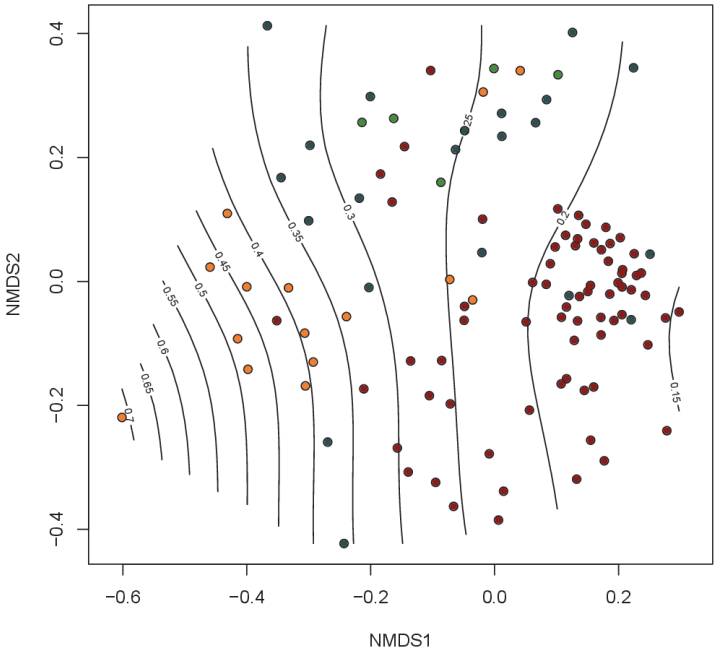


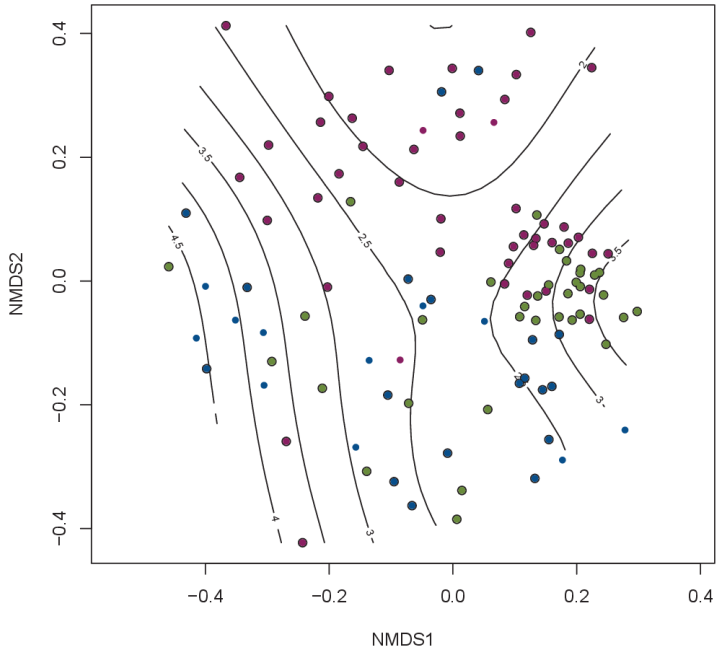
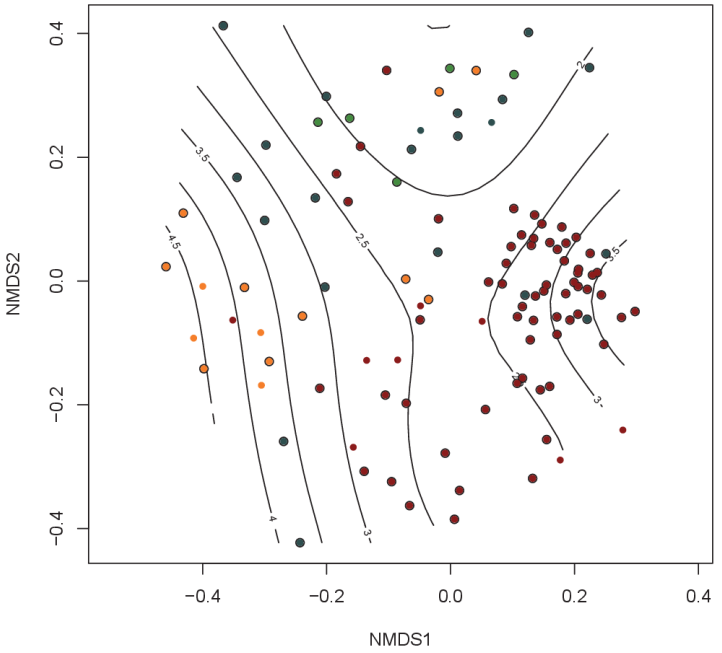
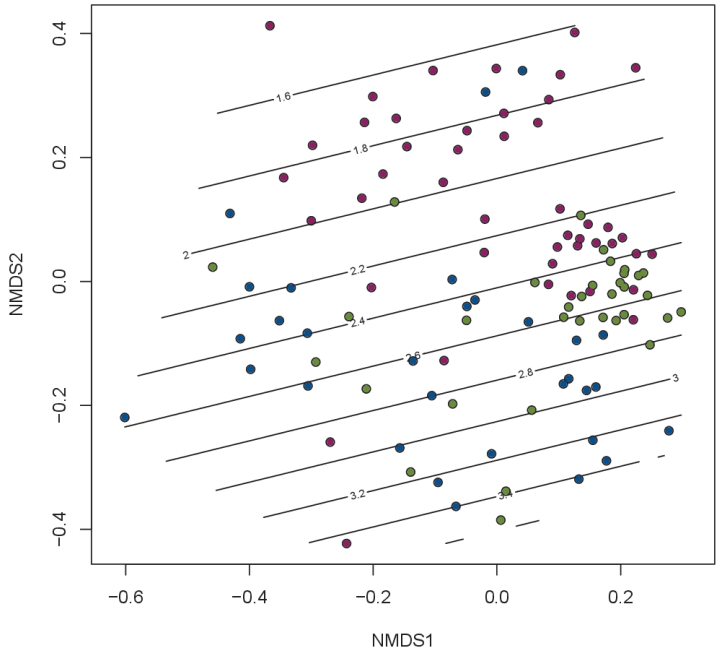
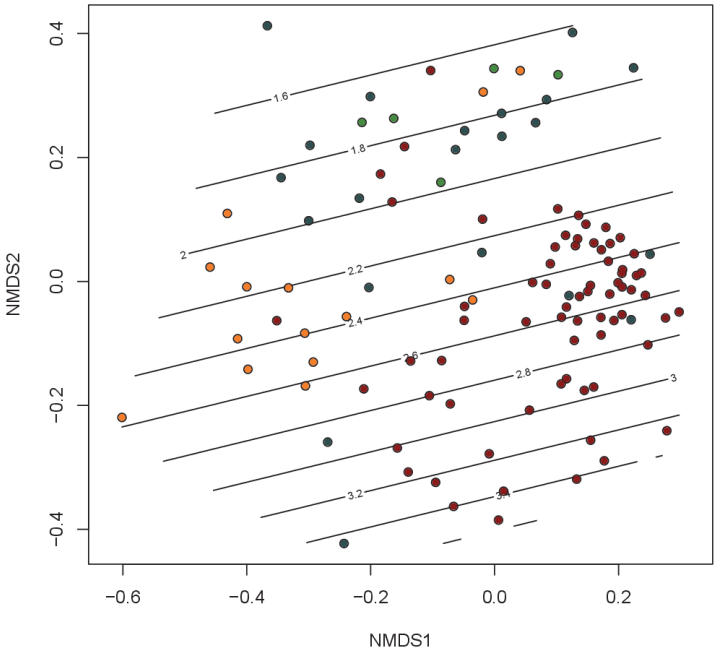
b) EM

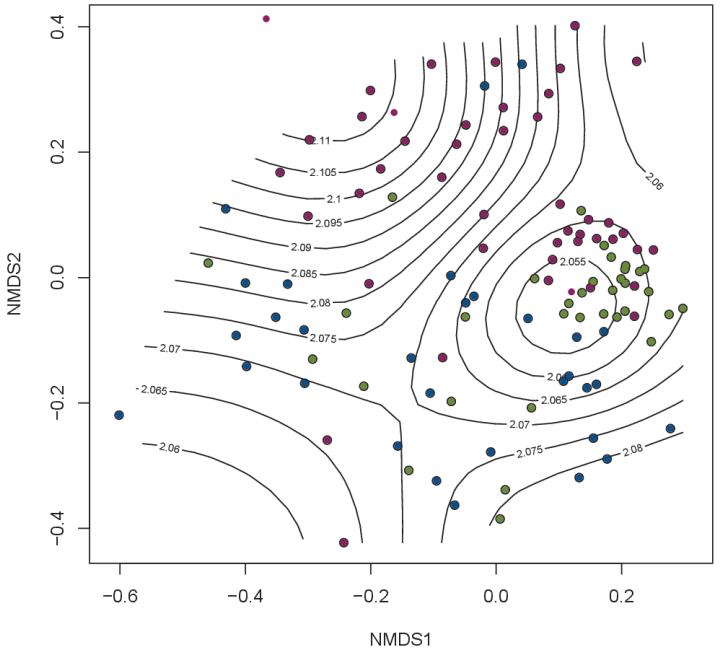
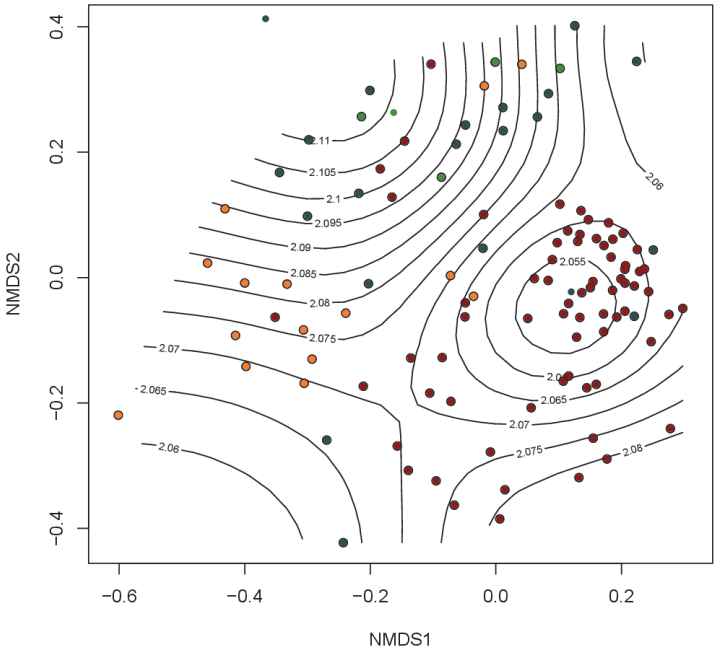
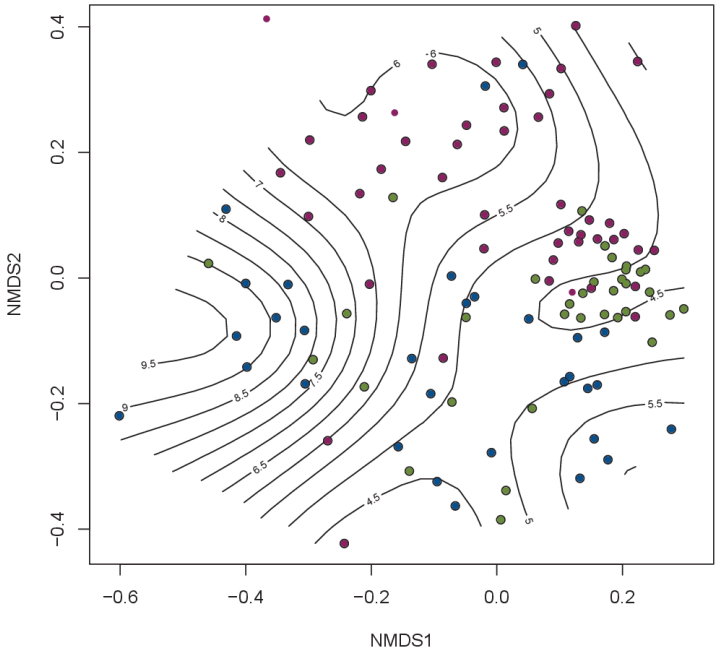
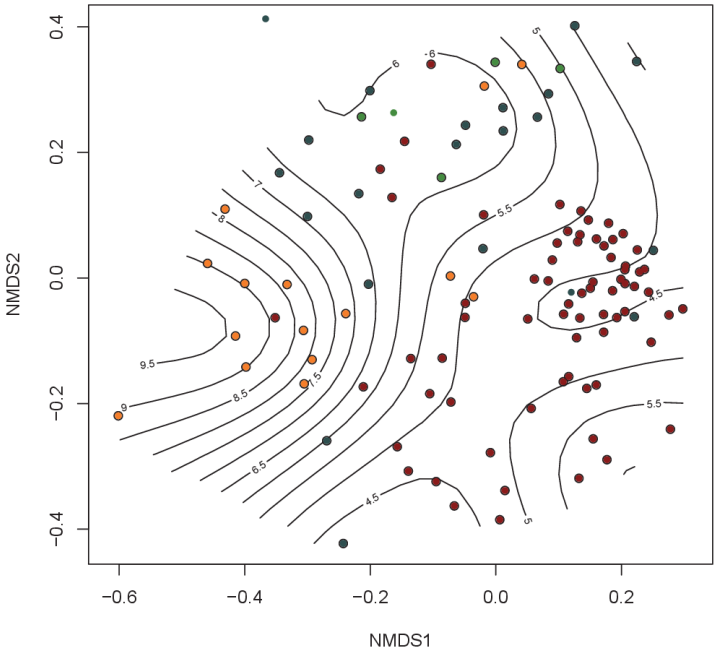
EM	by Exploratory	by dominant tree species
Mineral soil Inorganic C		
Mineral soil Organic C		

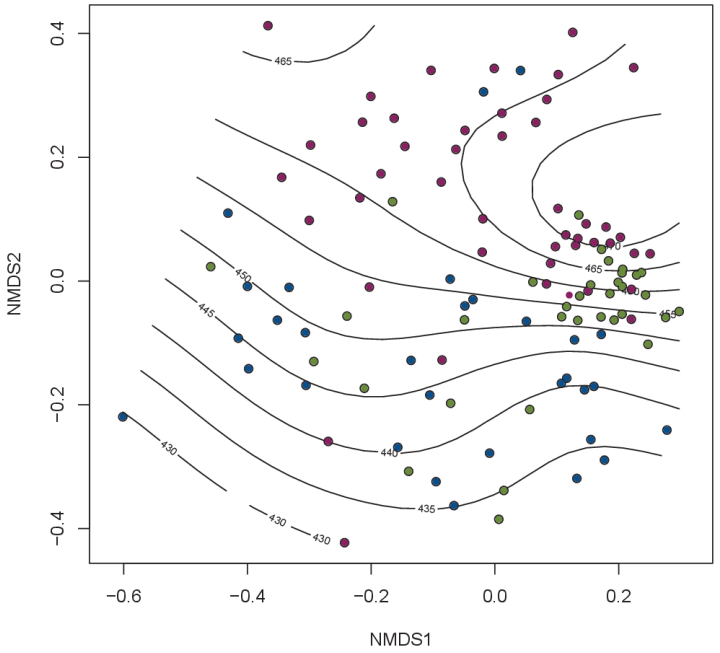
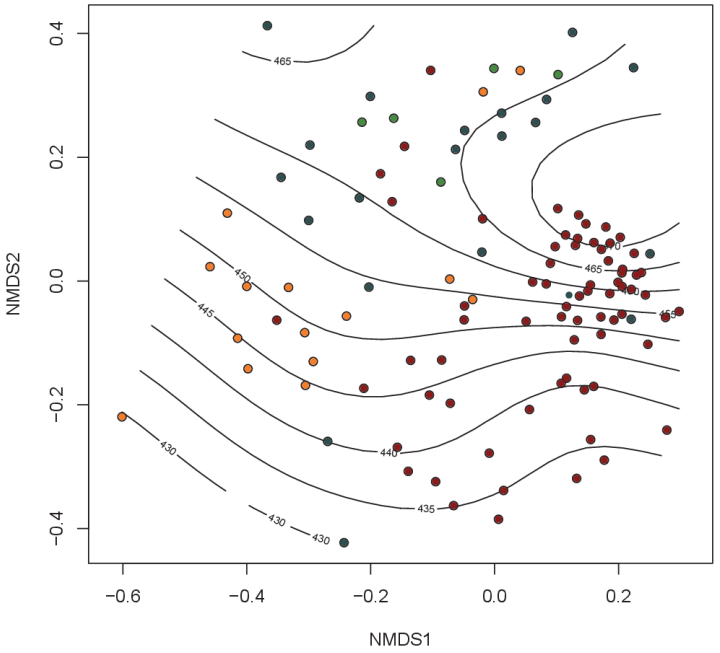
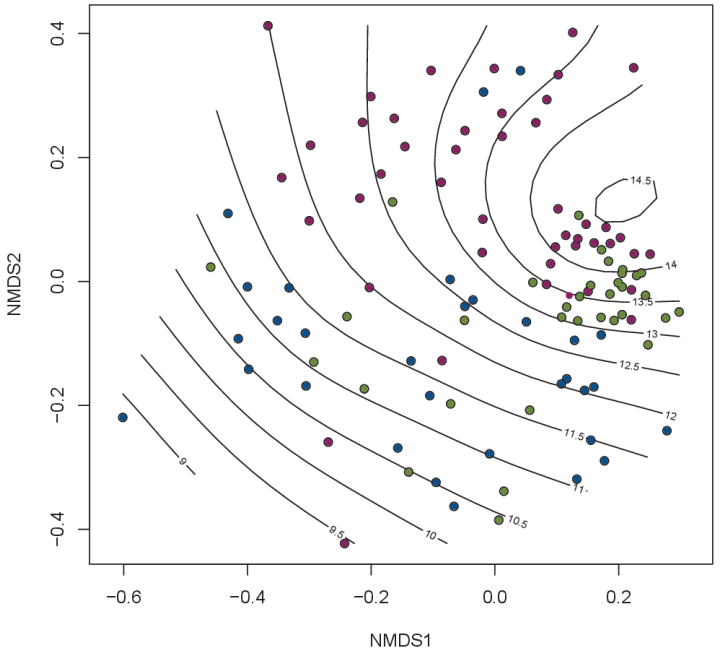
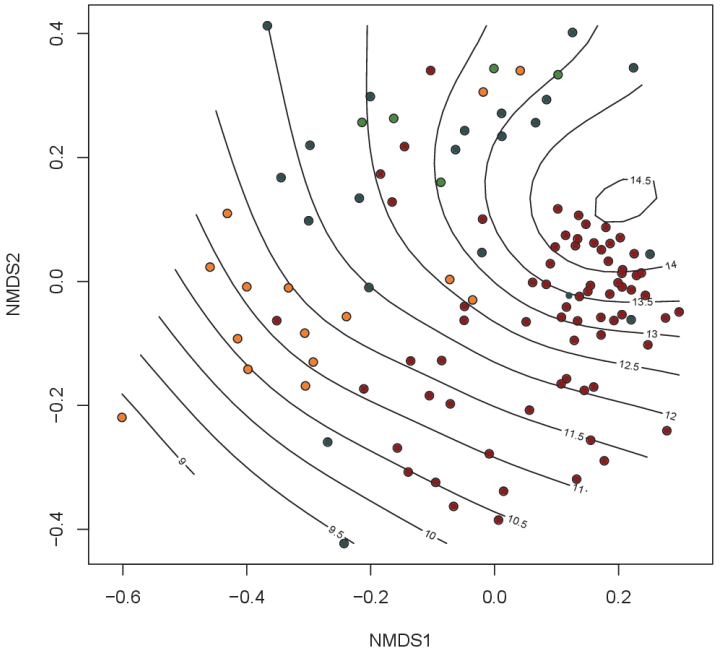
EM	by Exploratory	by dominant tree species
Mineral soil Total C		
Mineral soil Total N		

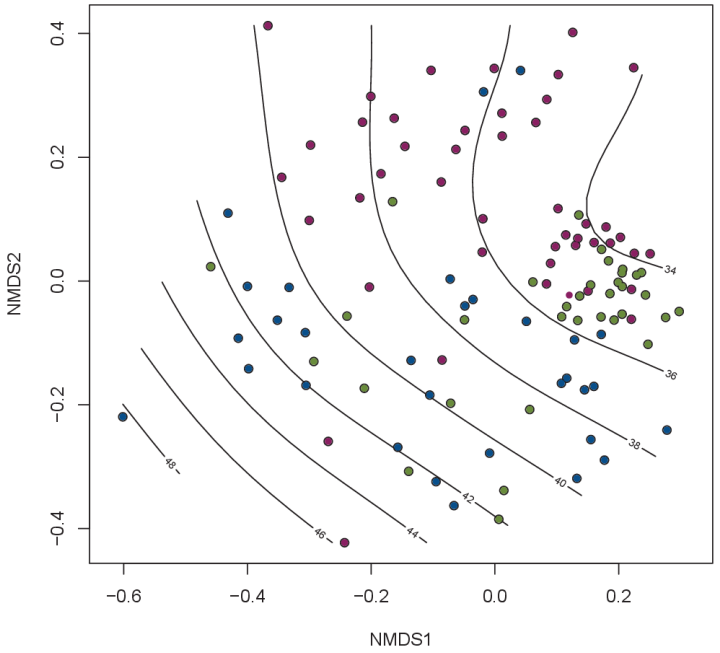
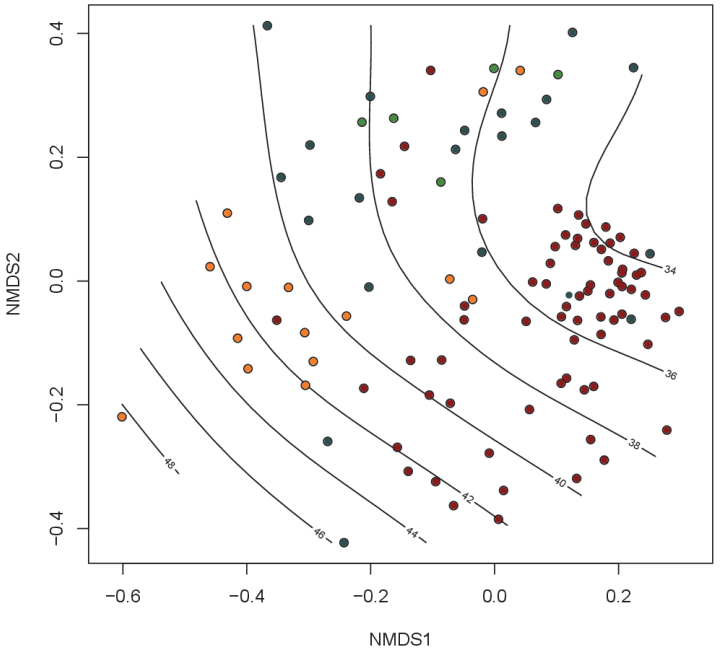
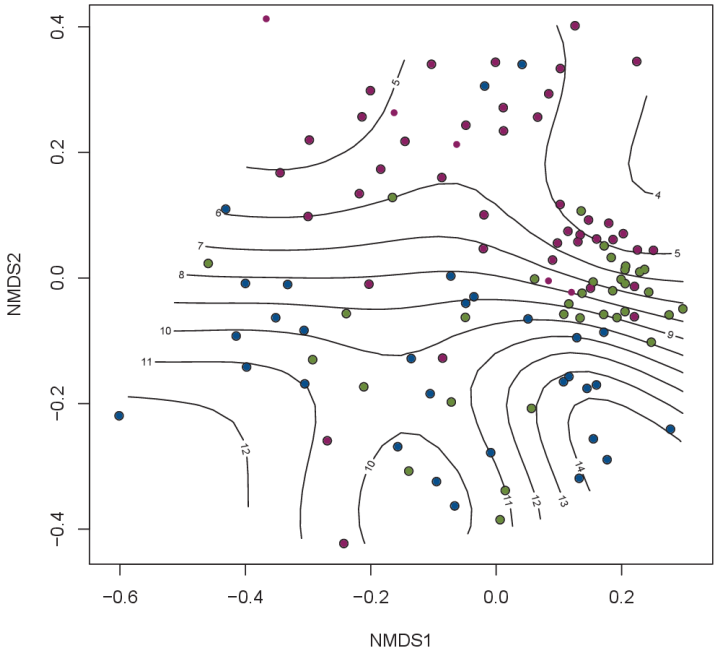
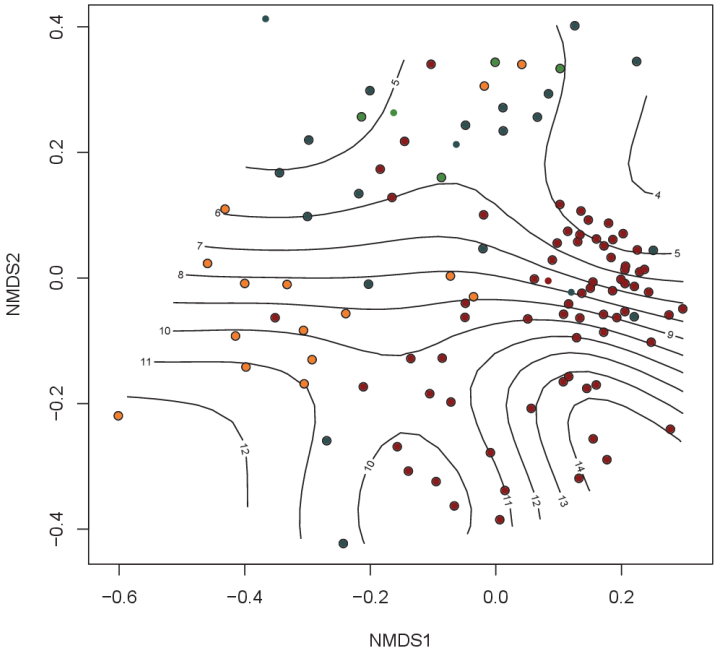
EM	by Exploratory	by dominant tree species
Mineral soil CN ratio		
Mineral soil pH 1		

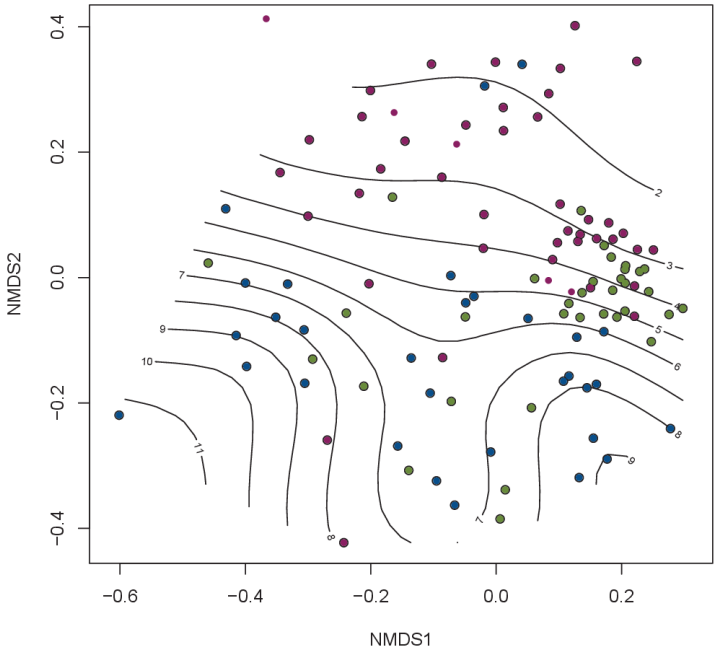
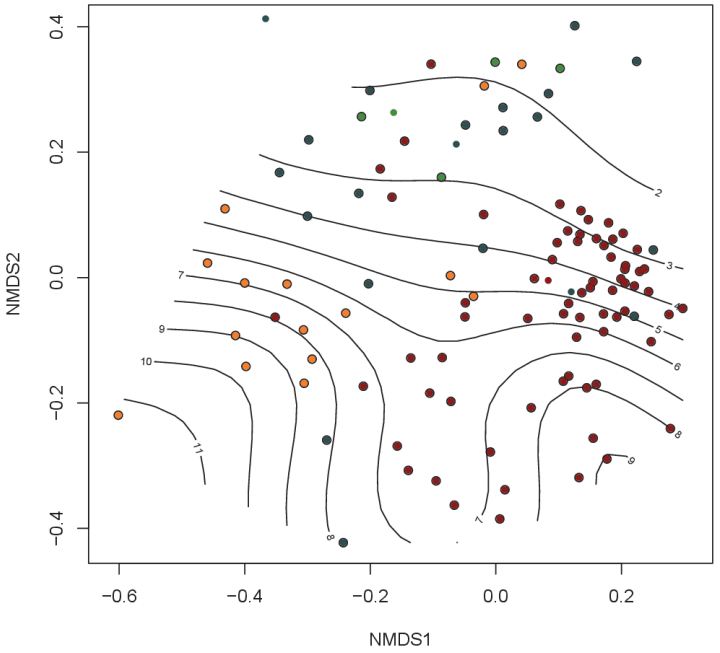
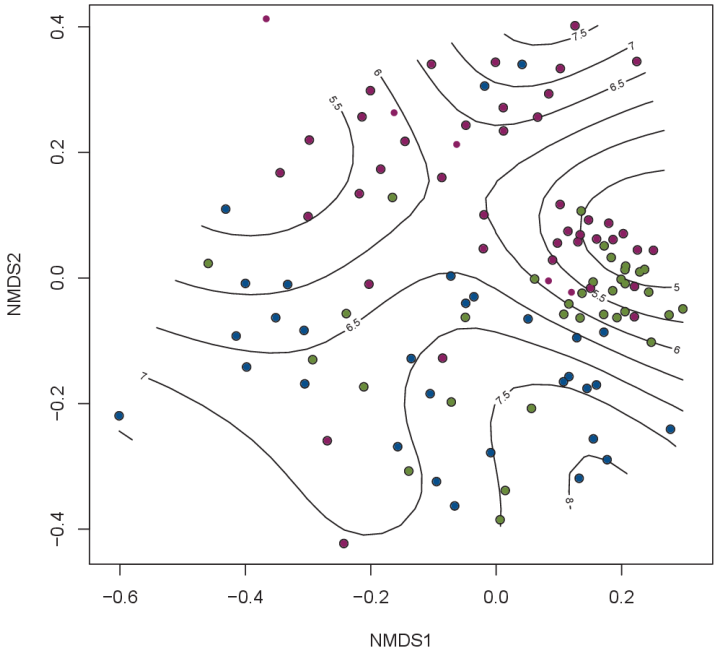
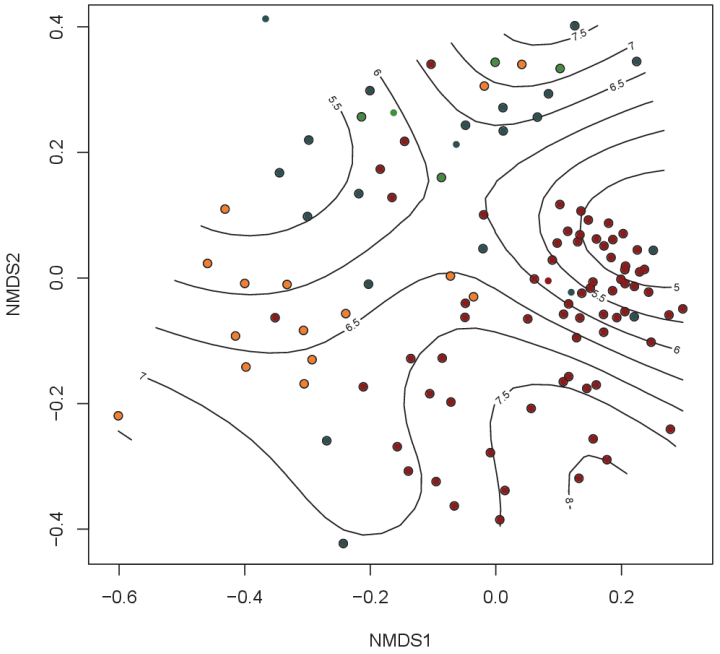
EM	by Exploratory	by dominant tree species
ForMI		
SMI		

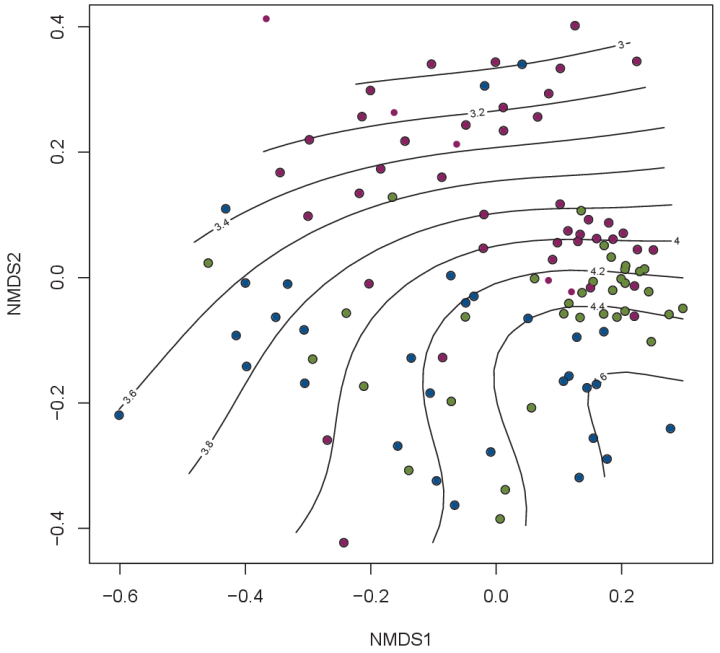
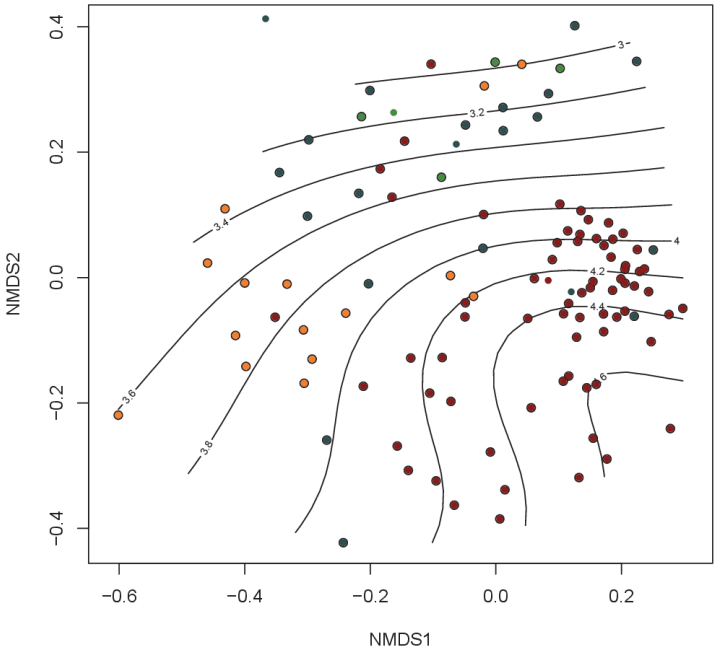
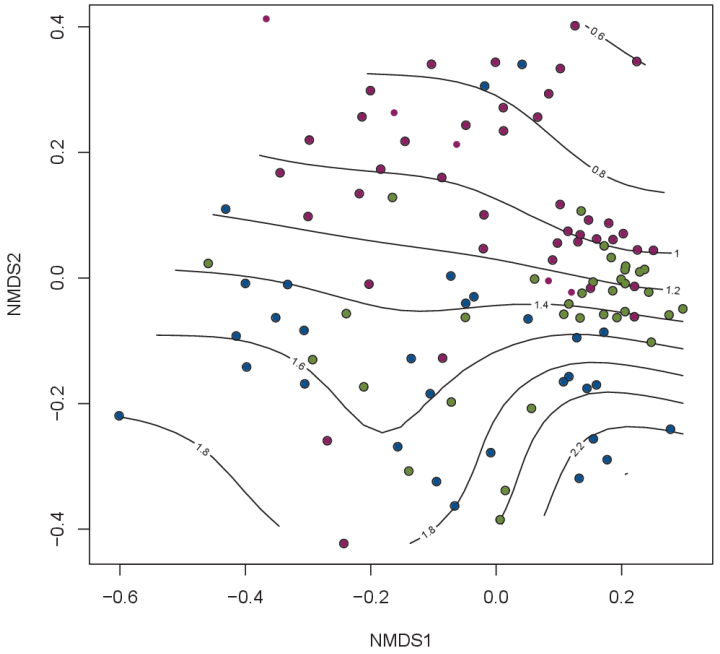
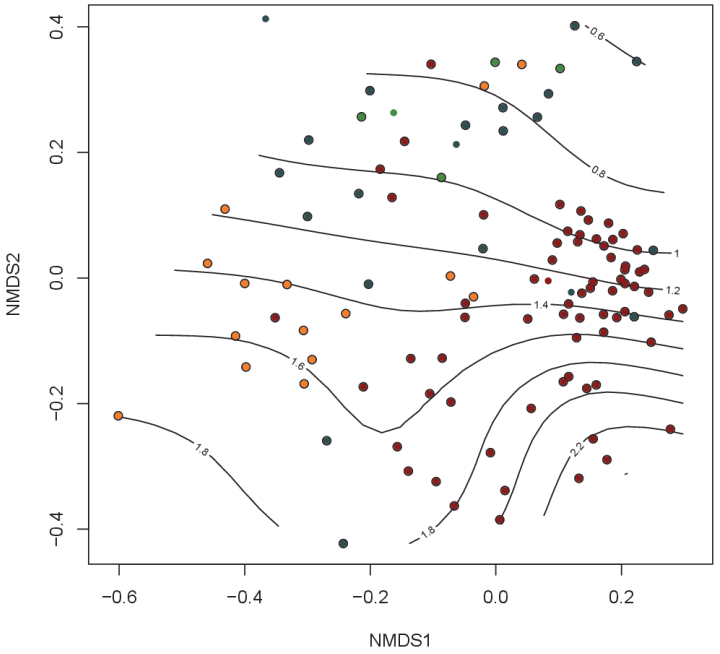
EM	by Exploratory	by dominant tree species
Coarse Roots Biomass		
Fine Roots Biomass		

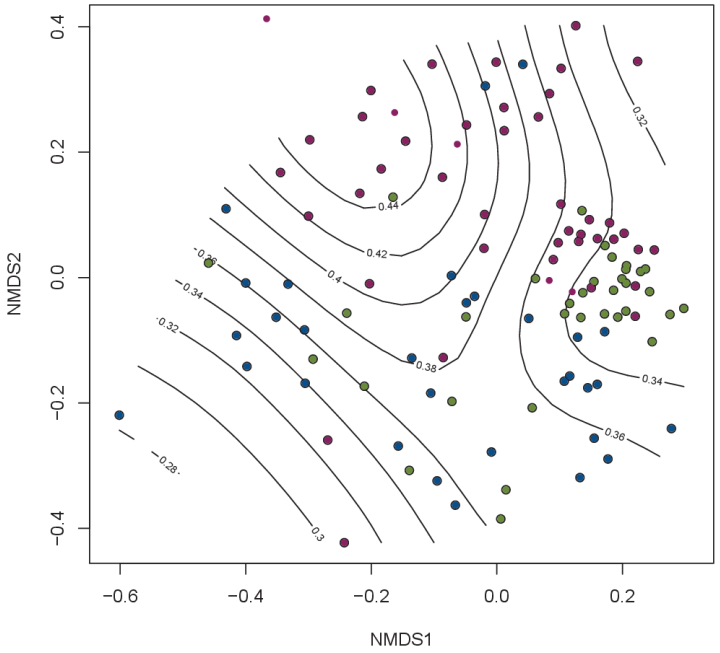
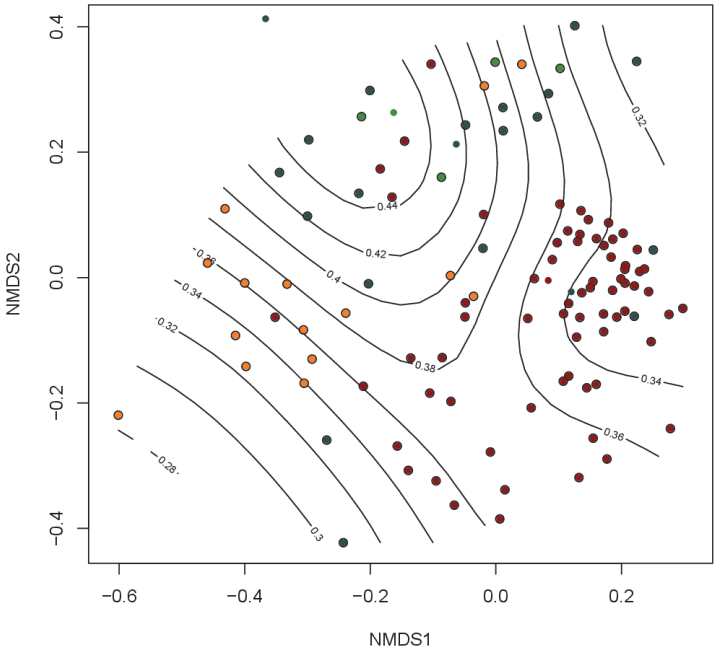
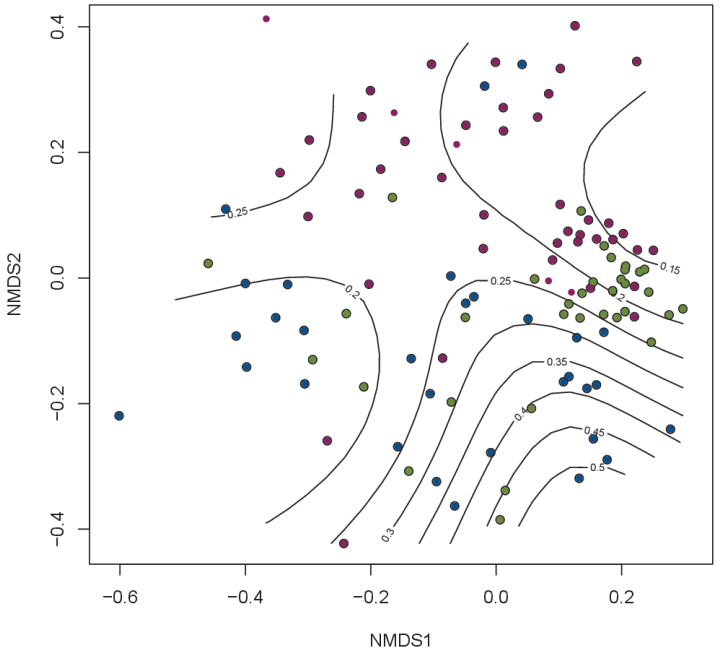
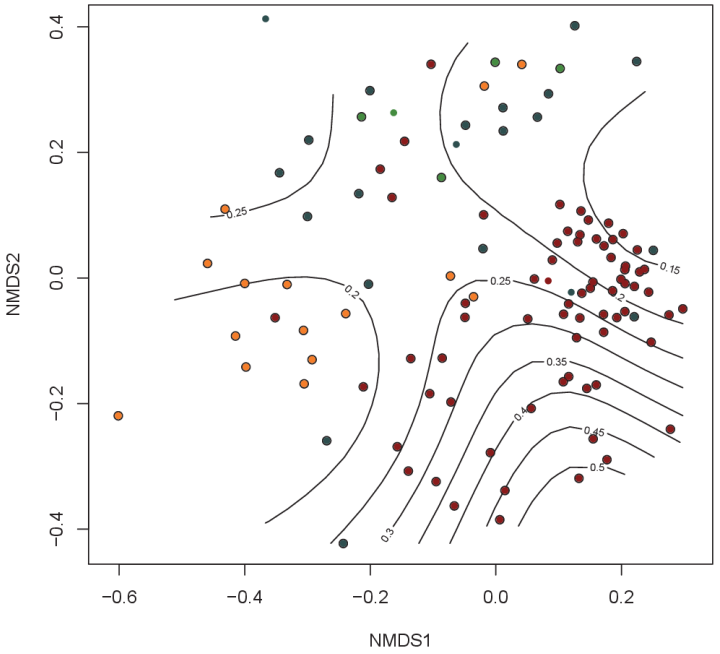
EM	by Exploratory	by dominant tree species
Root fructose content		
Root glucose content		

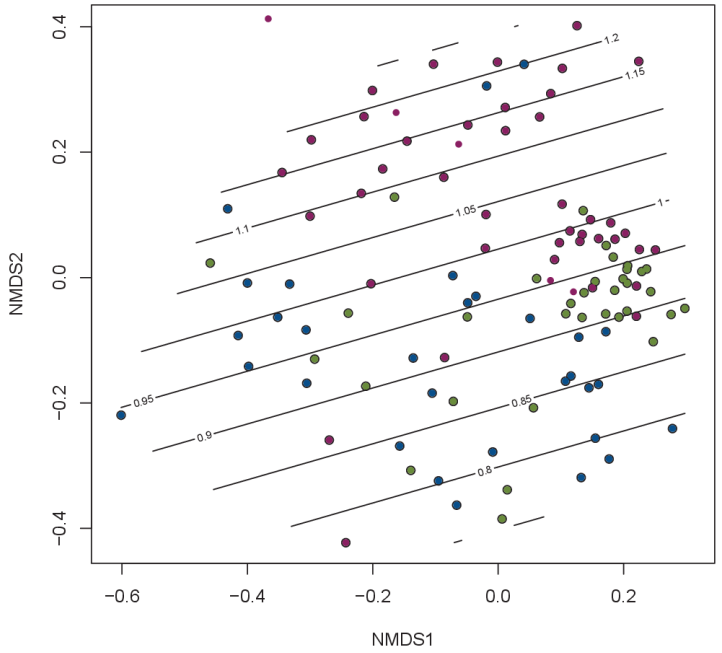
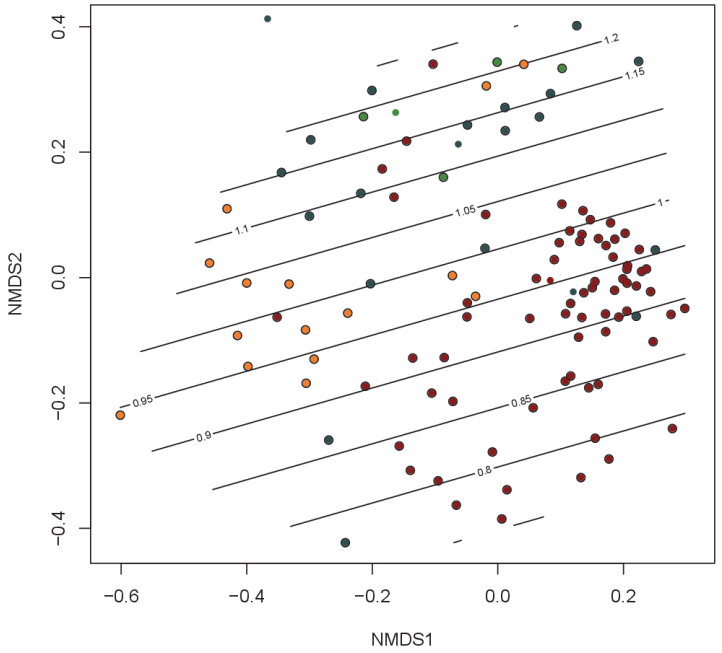
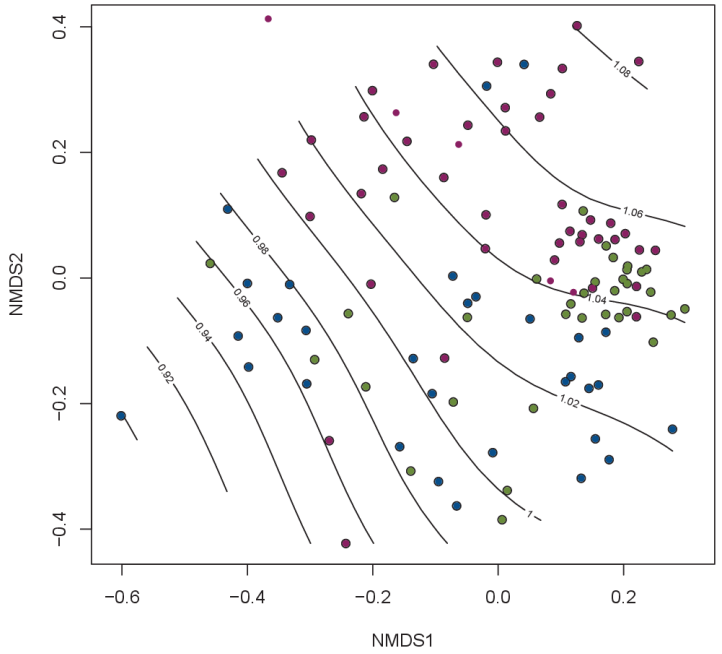
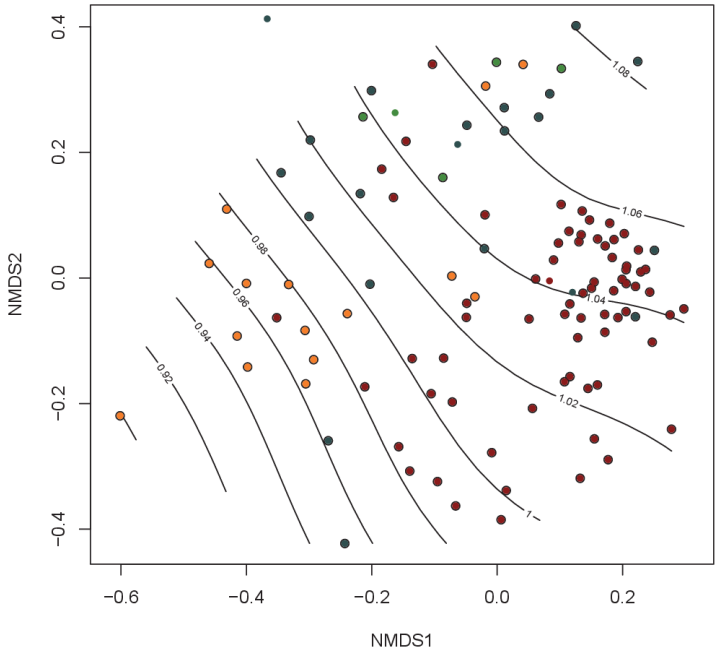
EM	by Exploratory	by dominant tree species
Root C content		
Root N content		

EM	by Exploratory	by dominant tree species
Root CN ratio		
Root Al content		

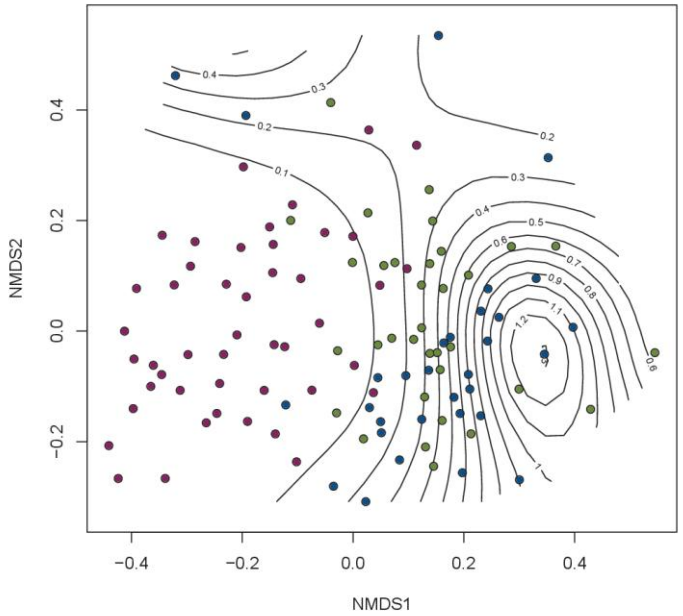
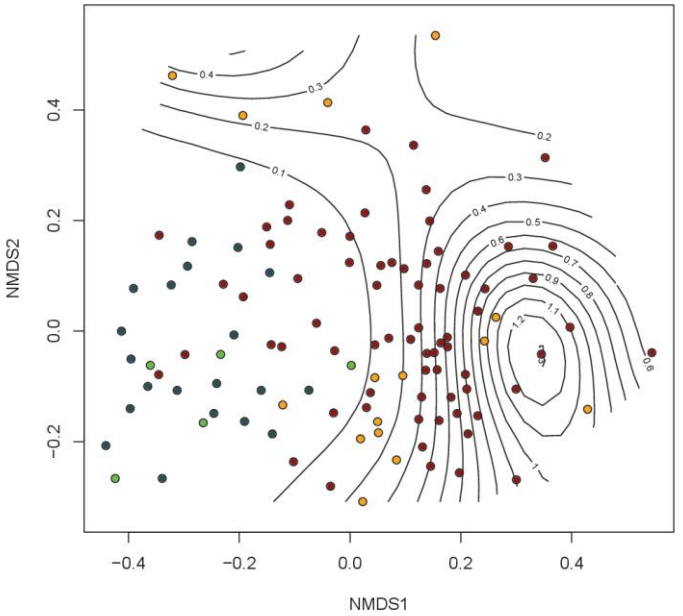
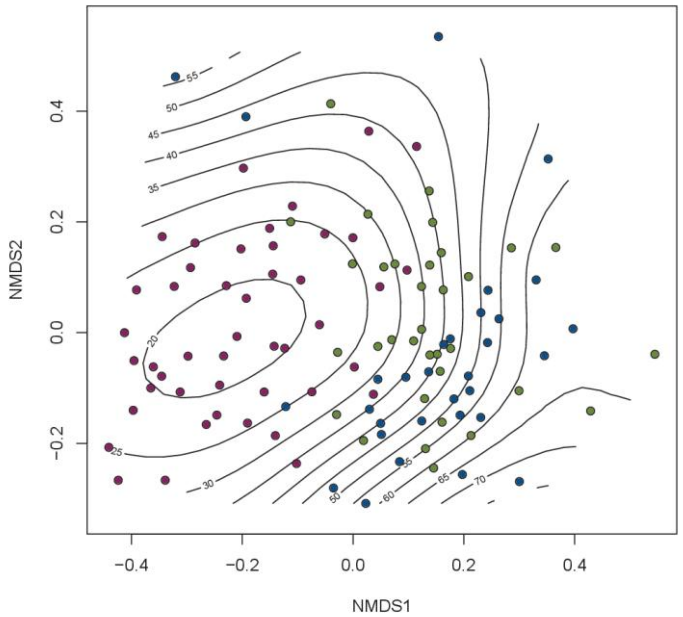
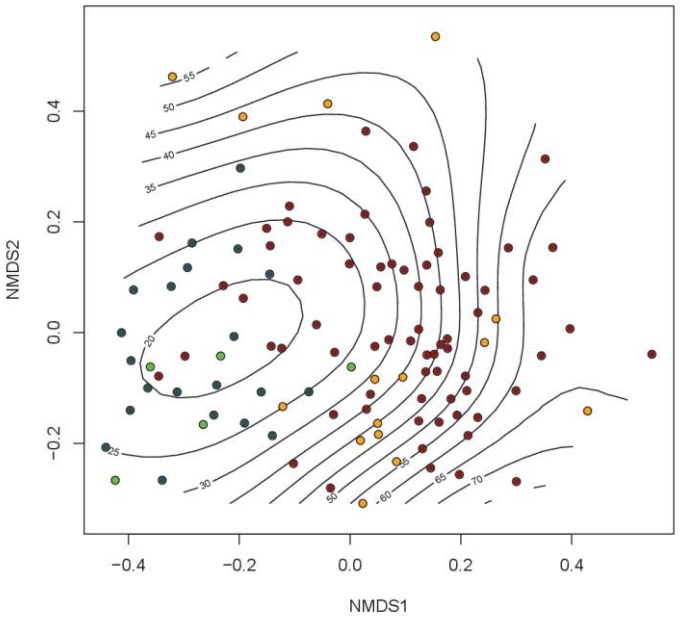
EM	by Exploratory	by dominant tree species
Root Ca content		
Root Fe content		

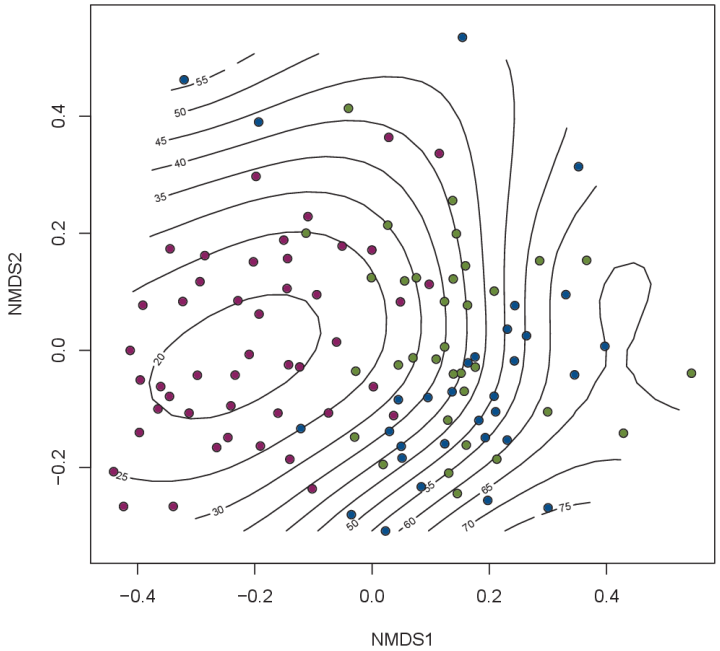
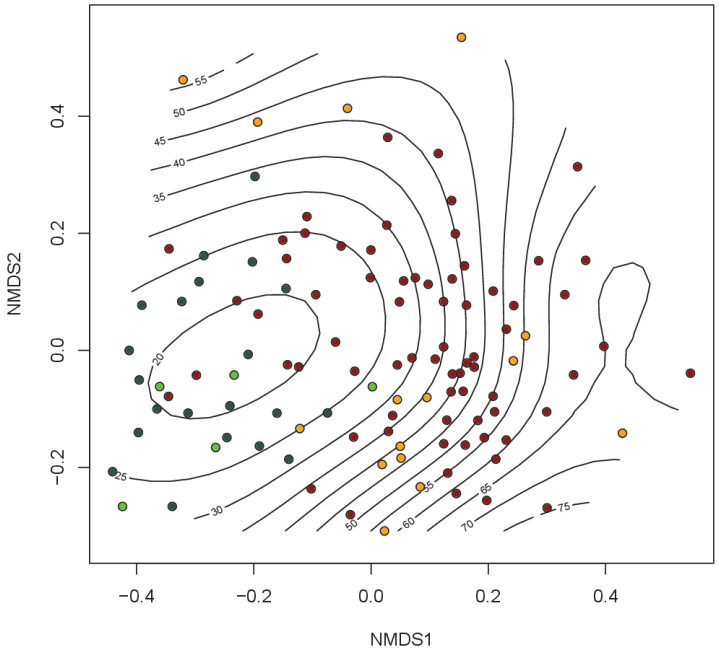
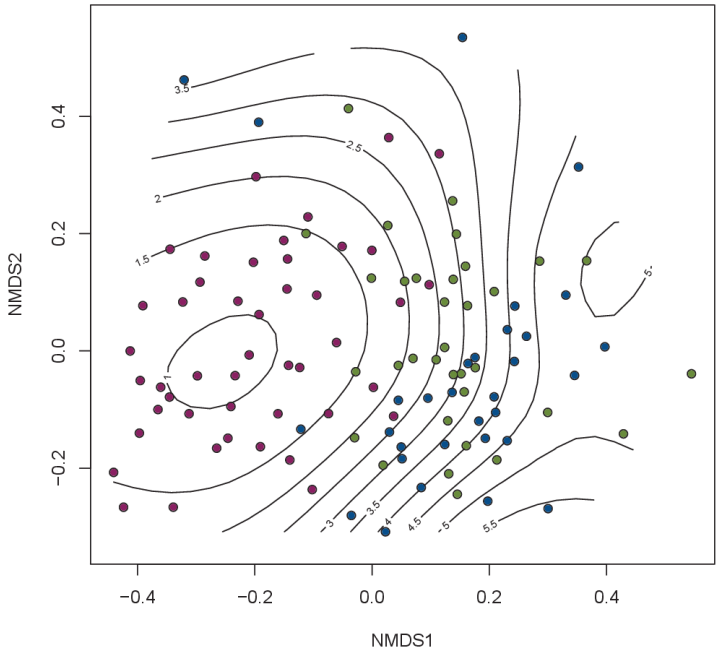
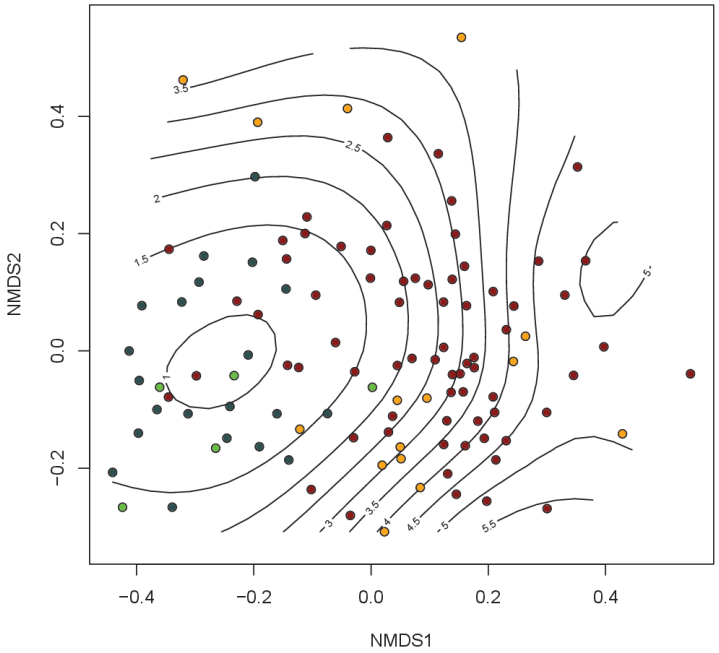
EM	by Exploratory	by dominant tree species
Root K content		
Root Mg content		

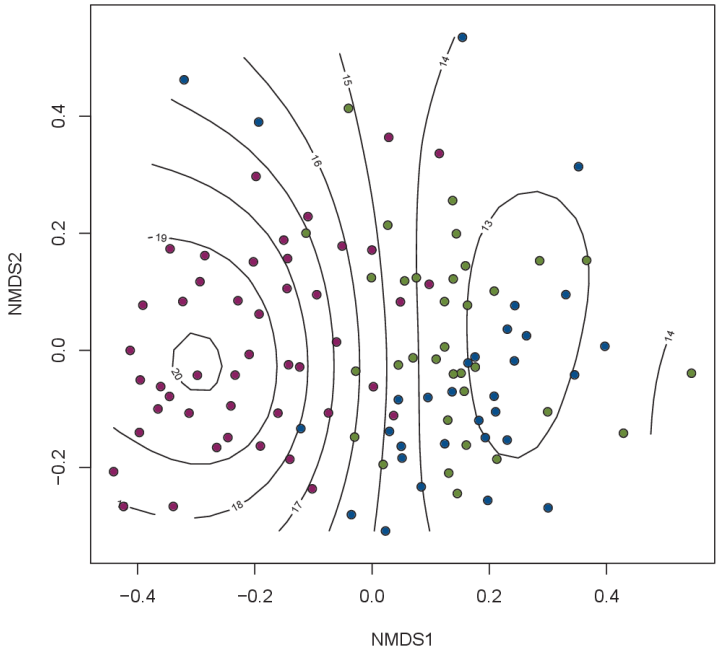
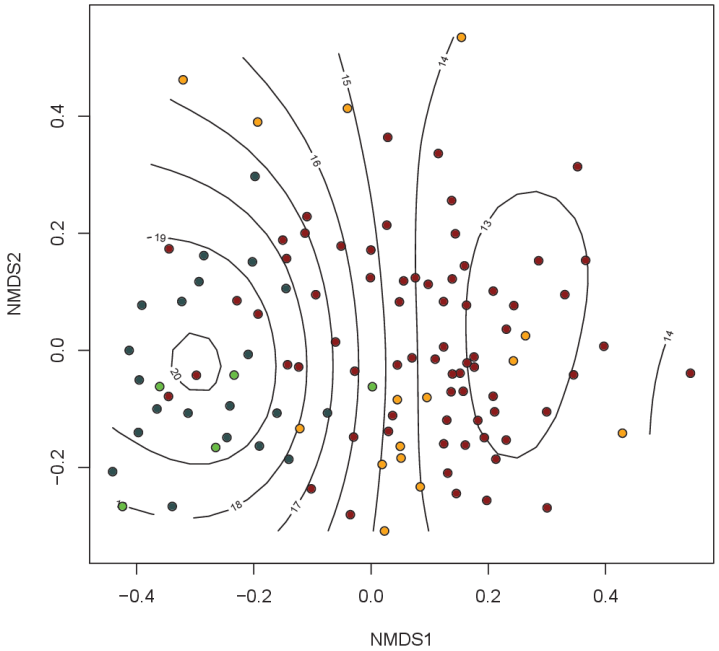
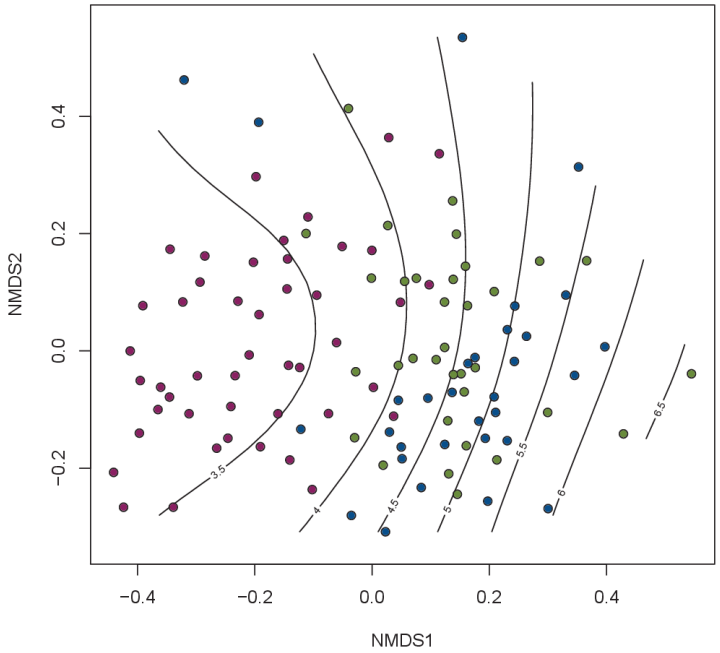
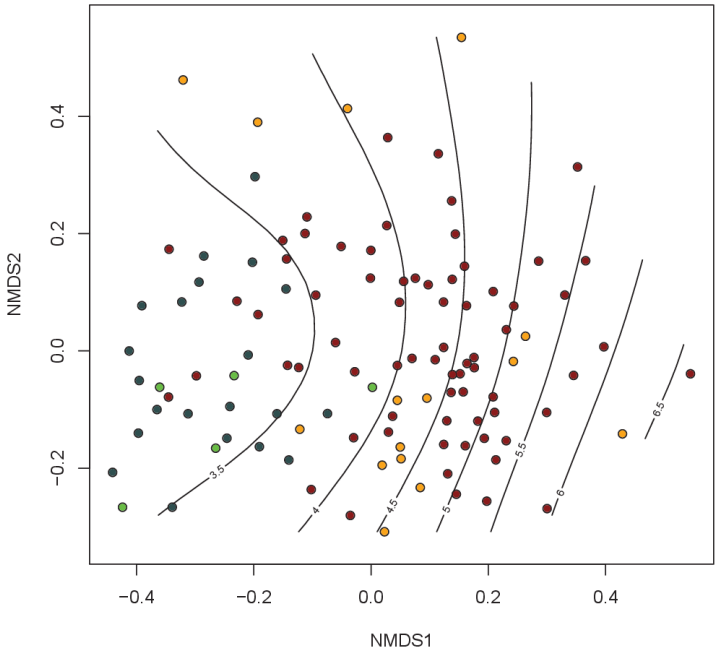
EM	by Exploratory	by dominant tree species
Root Mn content		
Root Na content		

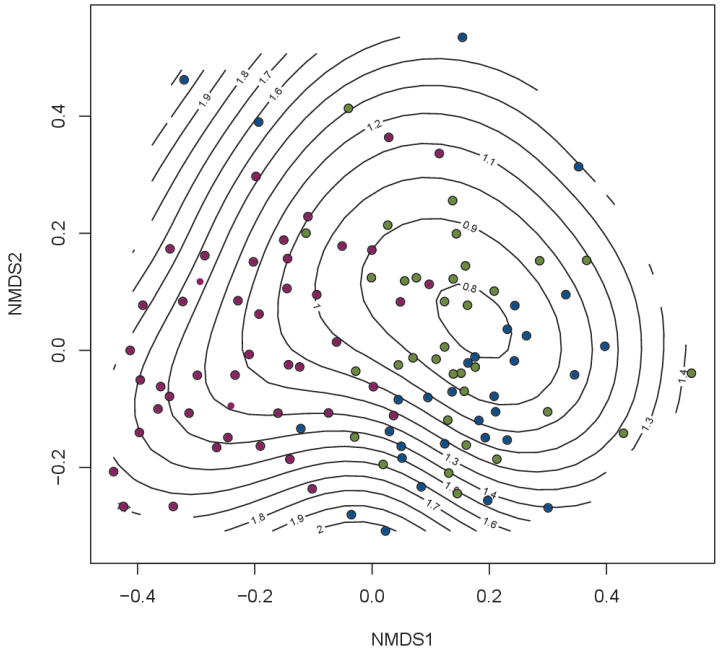
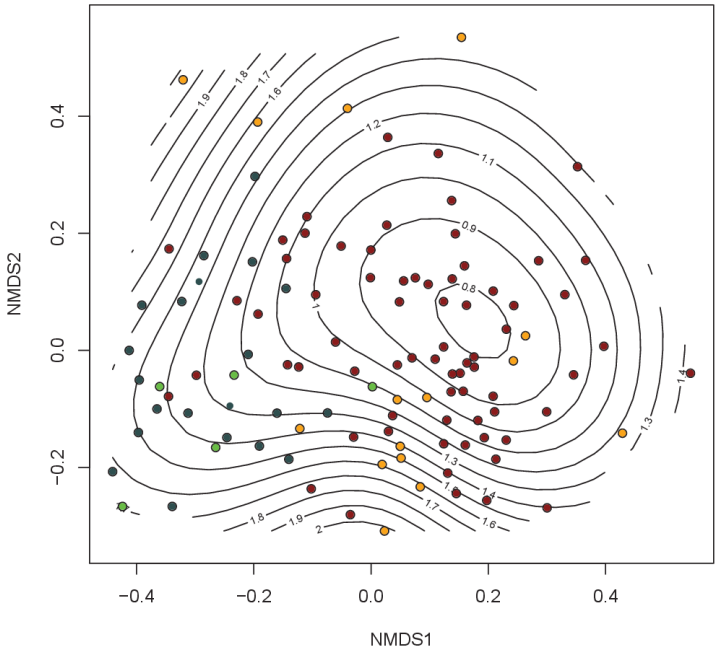
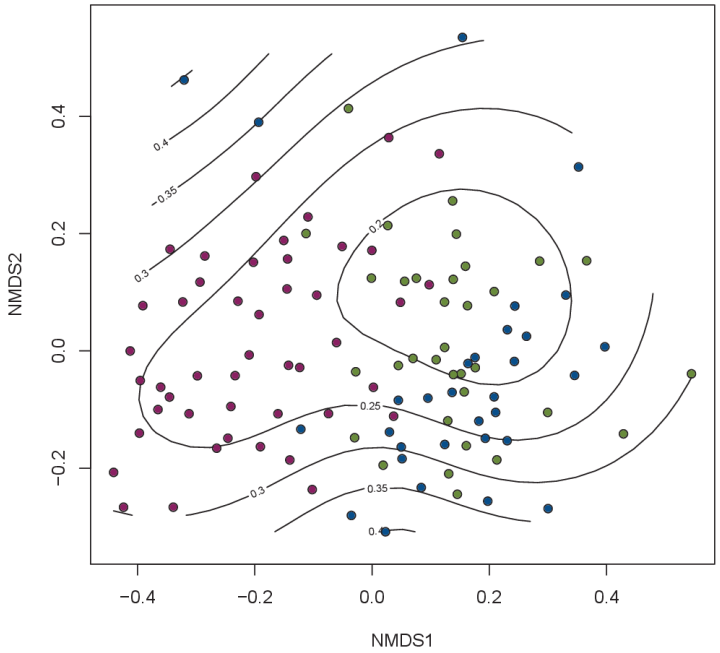
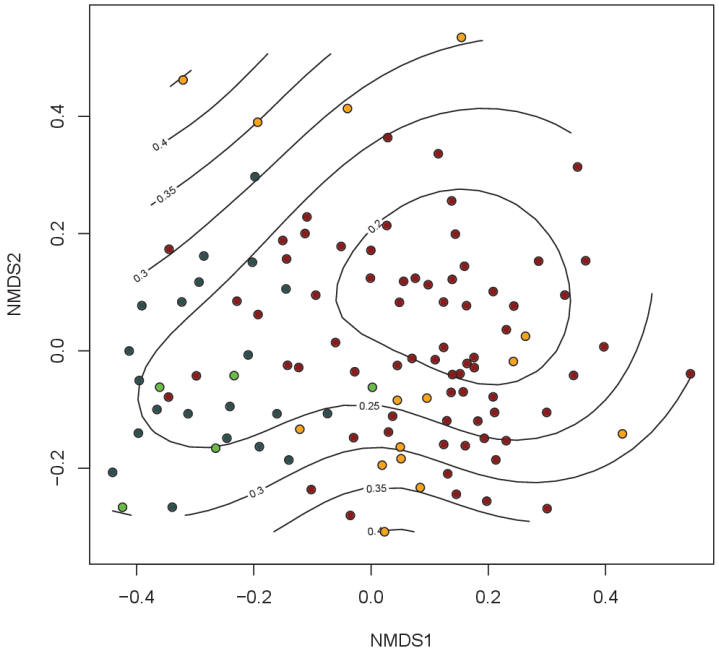
EM	by Exploratory	by dominant tree species
Root P content		
Root S content		

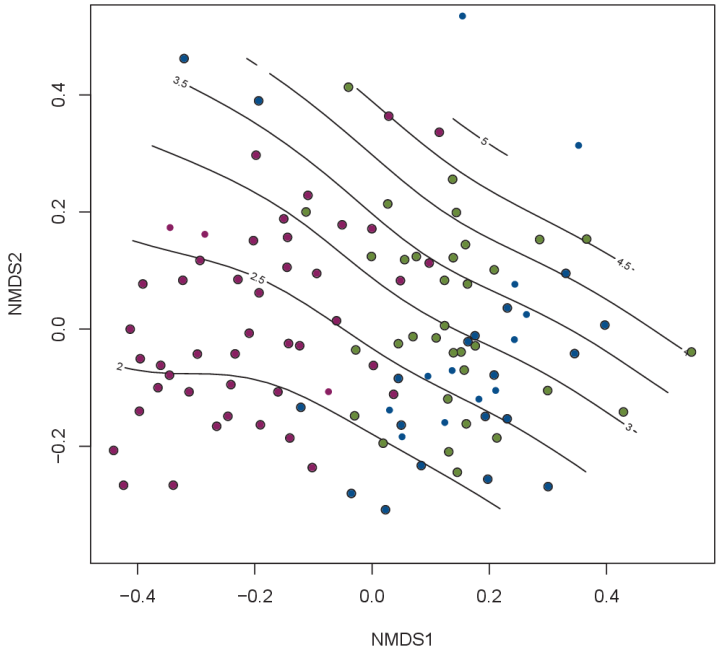
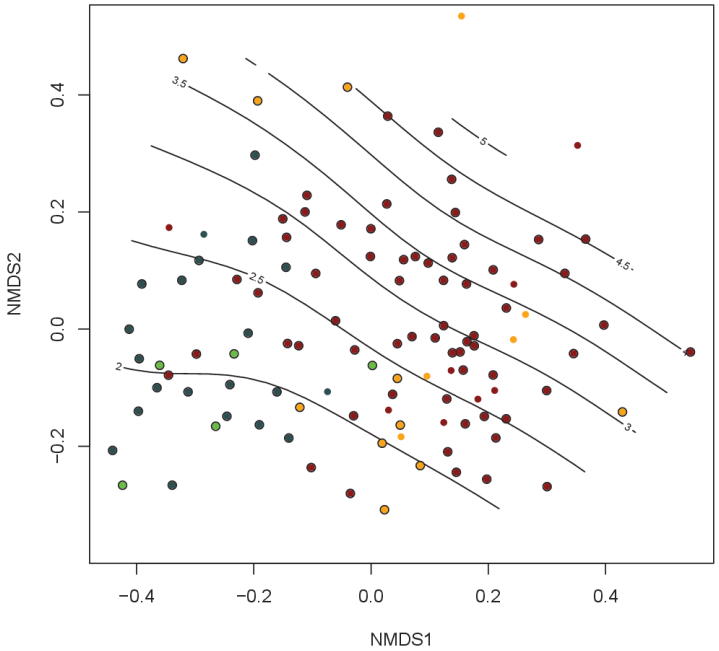
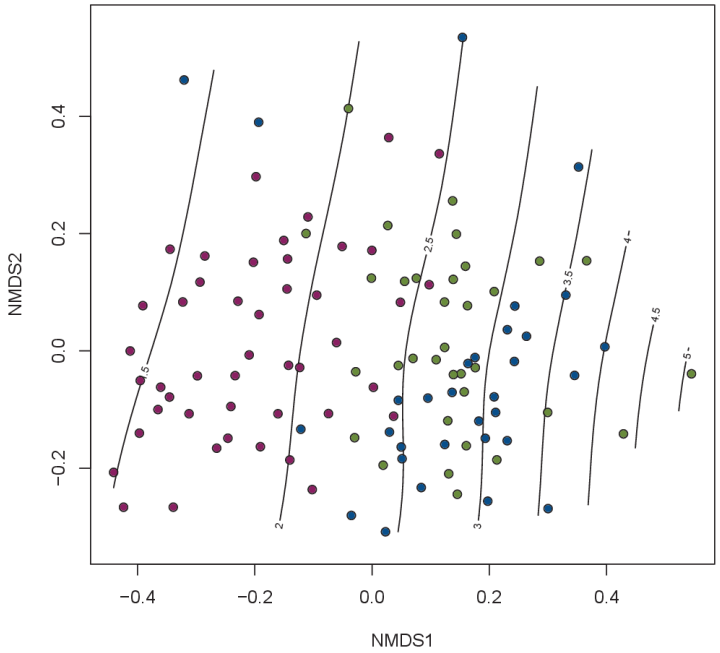
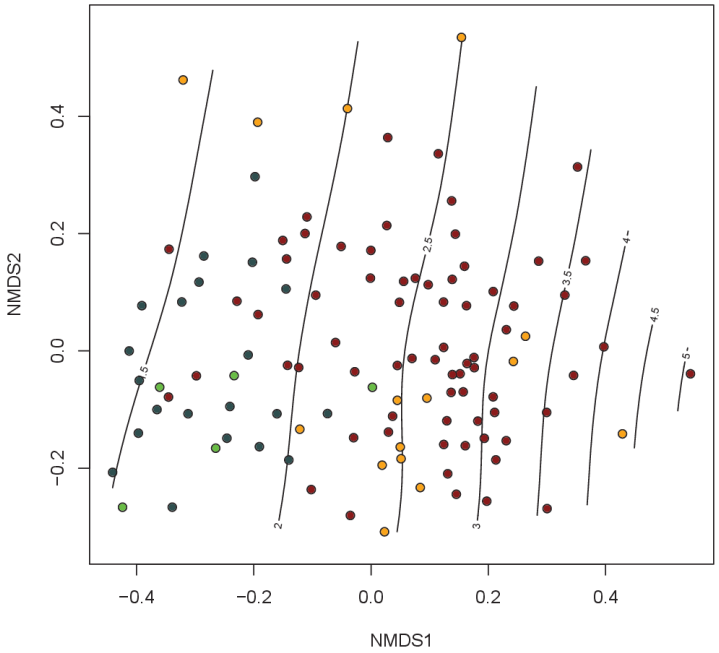
c) Saprophytic

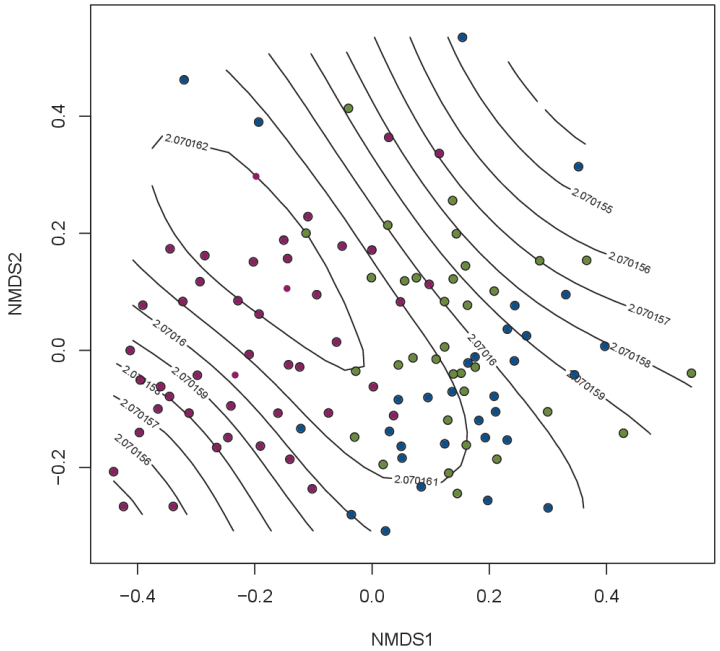
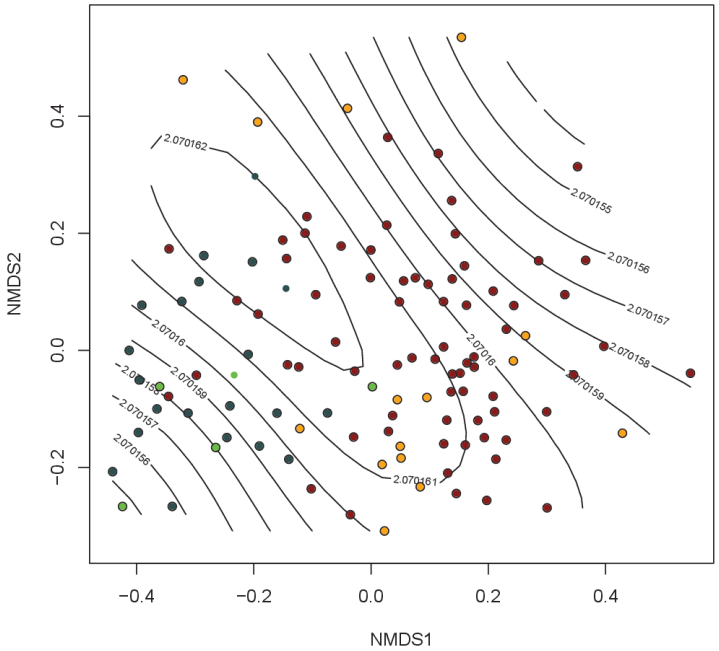
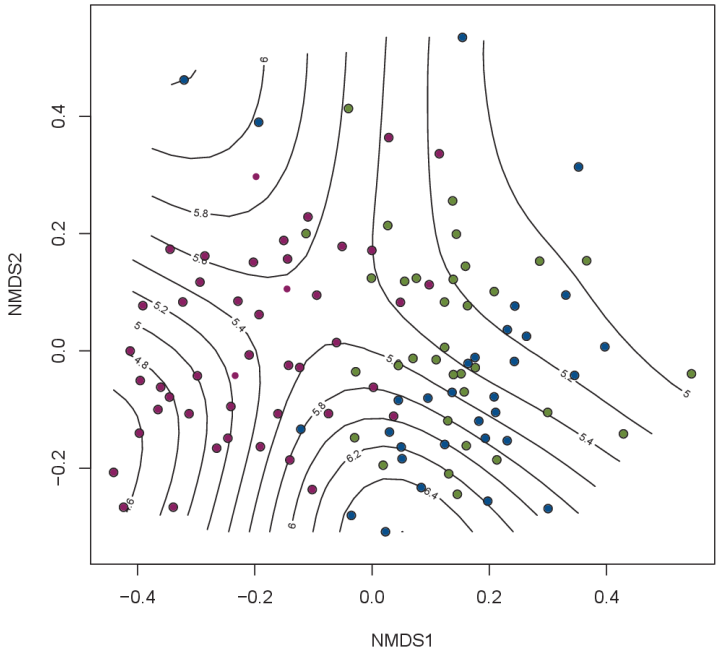
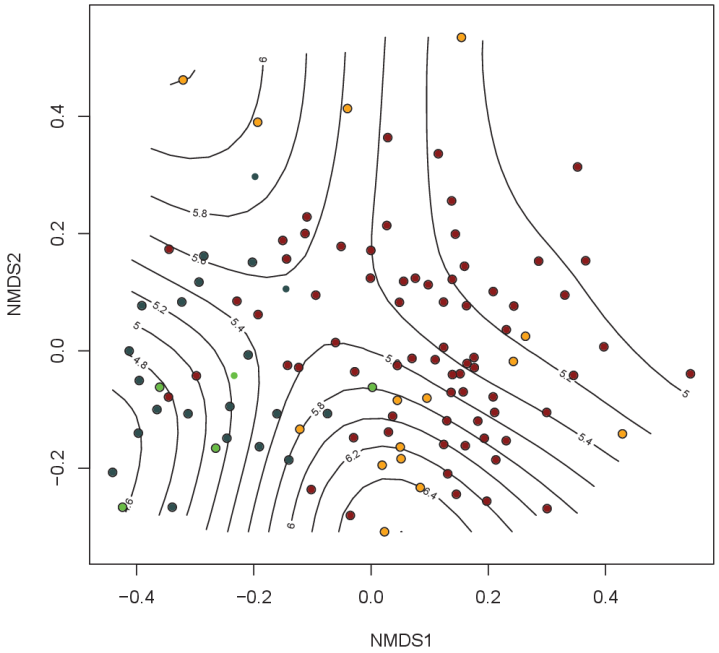
Saprophytic	by Exploratory	by dominant tree species
Mineral soil Inorganic C		
Mineral soil Organic C		

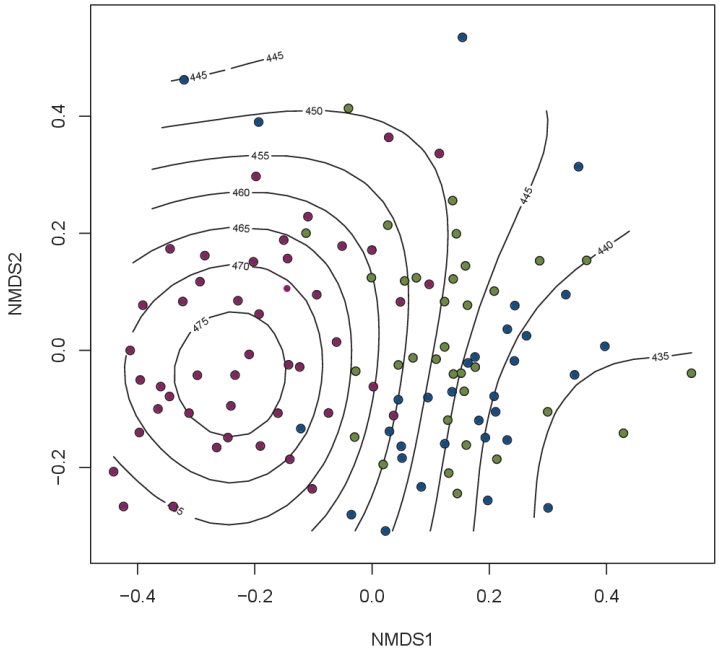
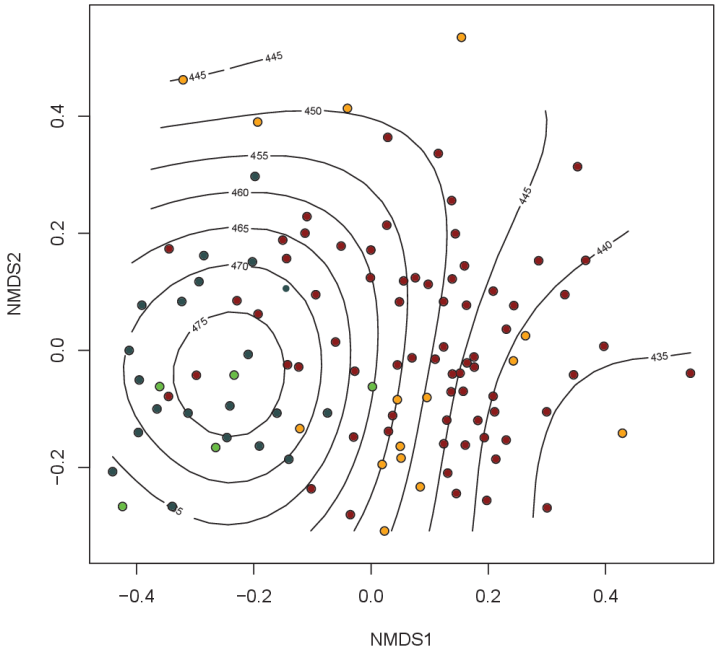
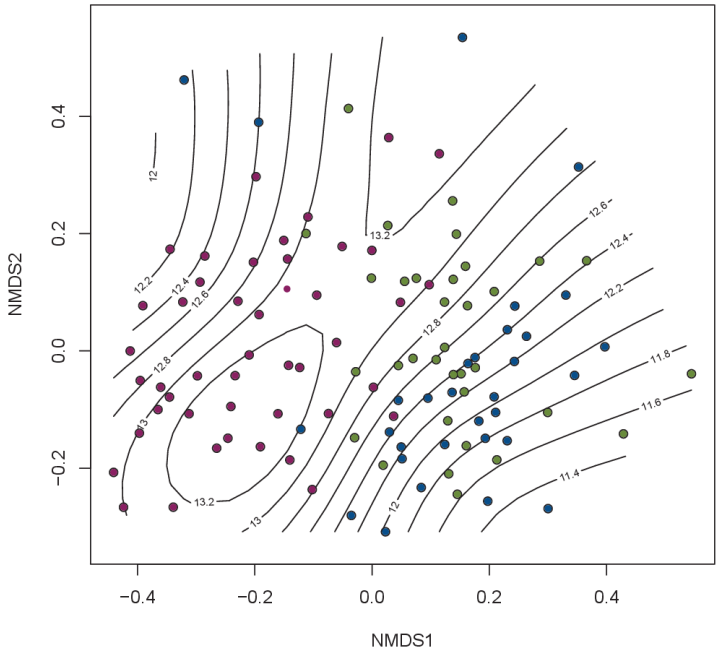
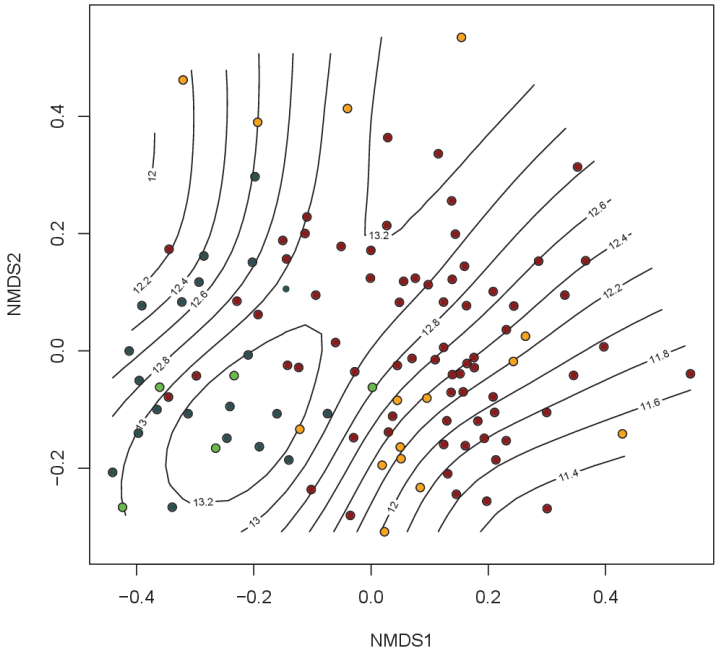
Saprophytic	by Exploratory	by dominant tree species
Mineral soil Total C		
Mineral soil Total N		

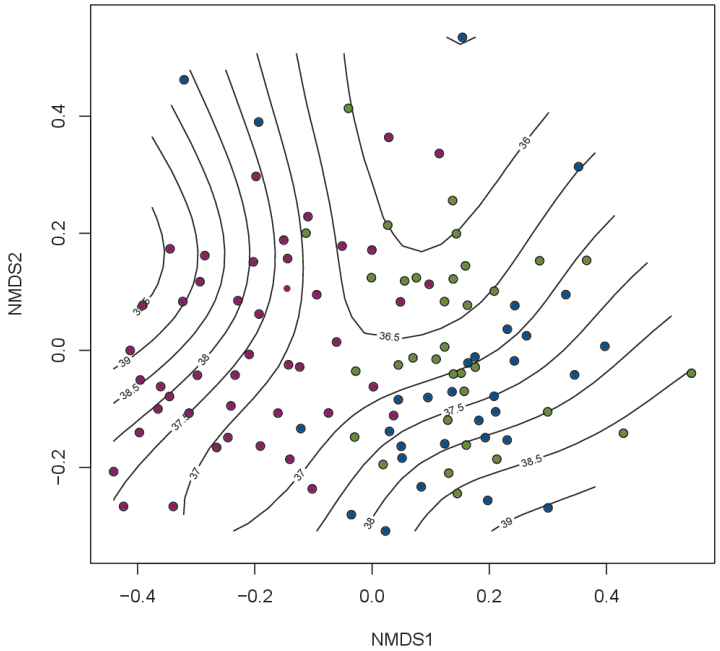
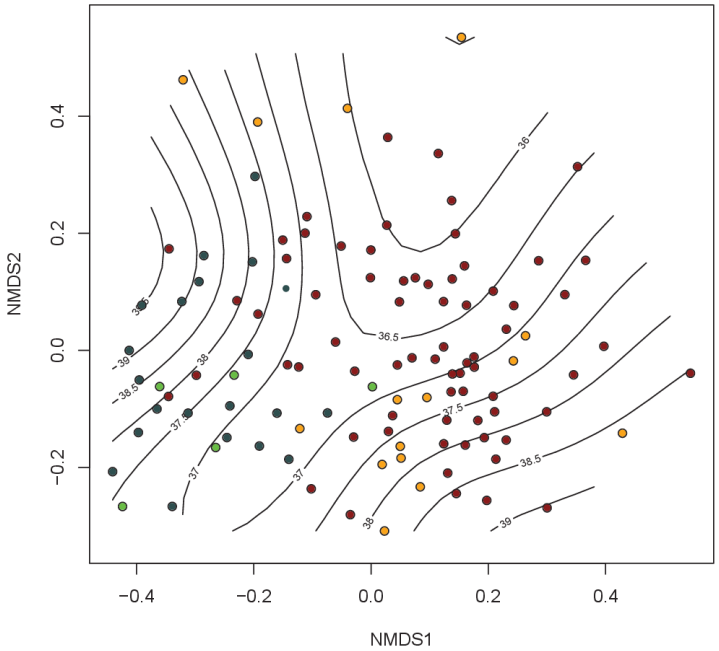
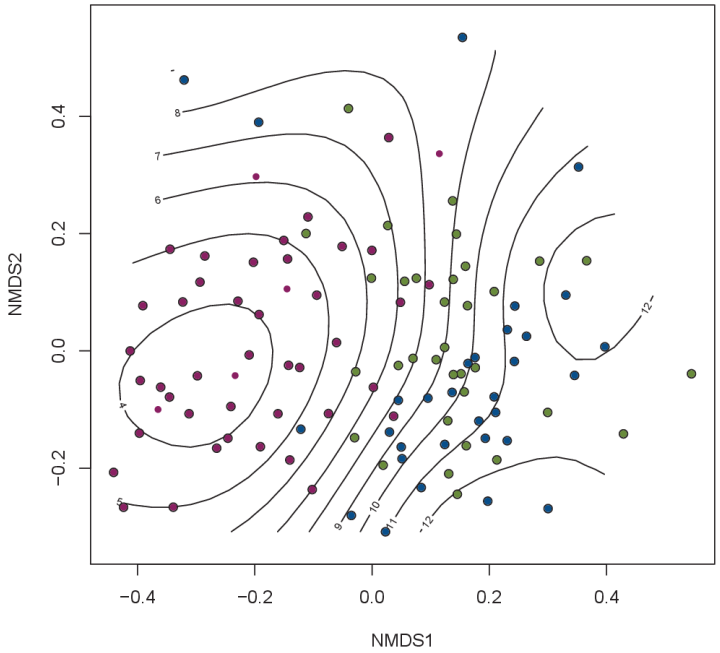
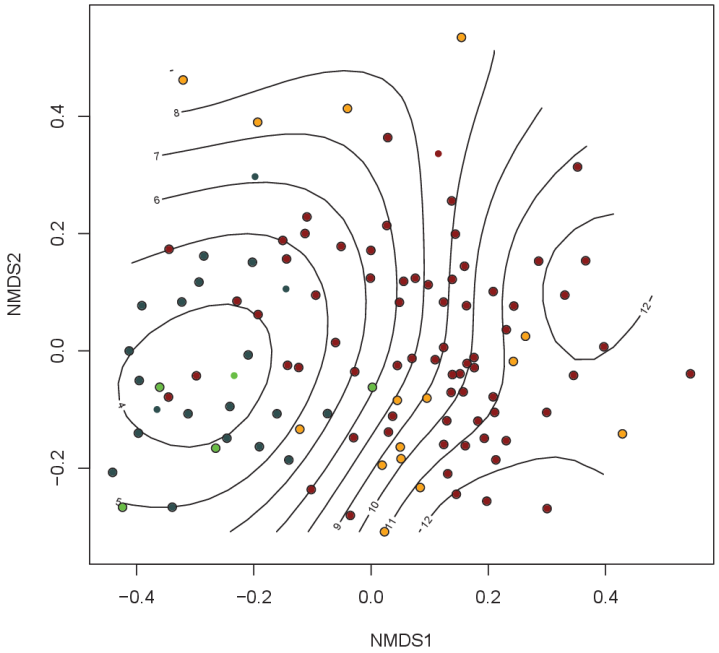
Saprophytic	by Exploratory	by dominant tree species
Mineral soil CN ratio		
Mineral soil pH 1		

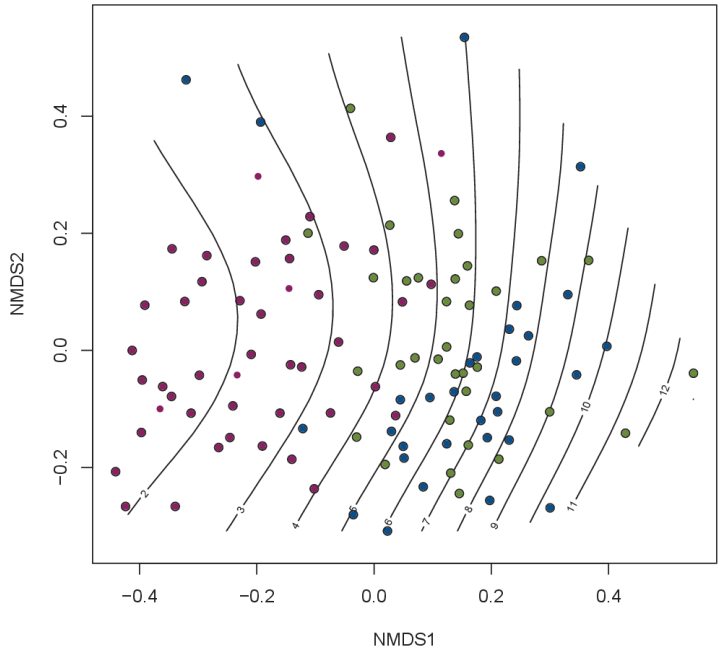
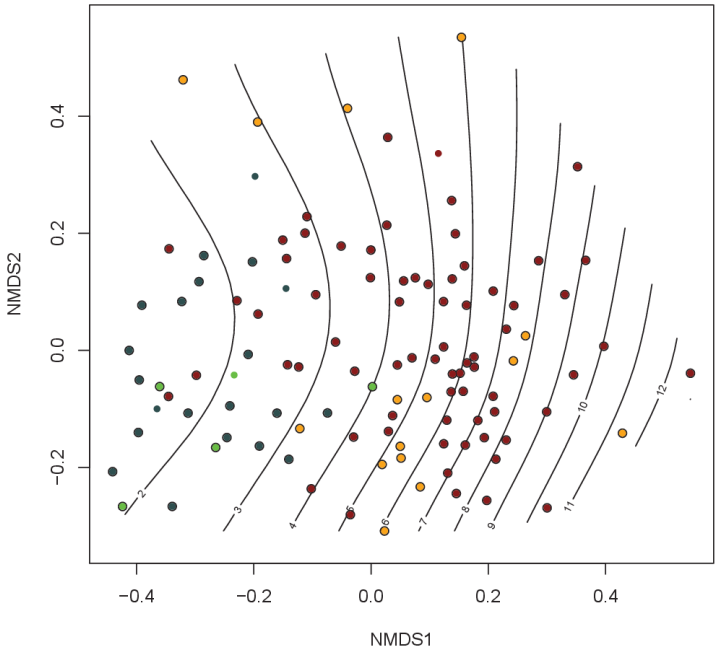
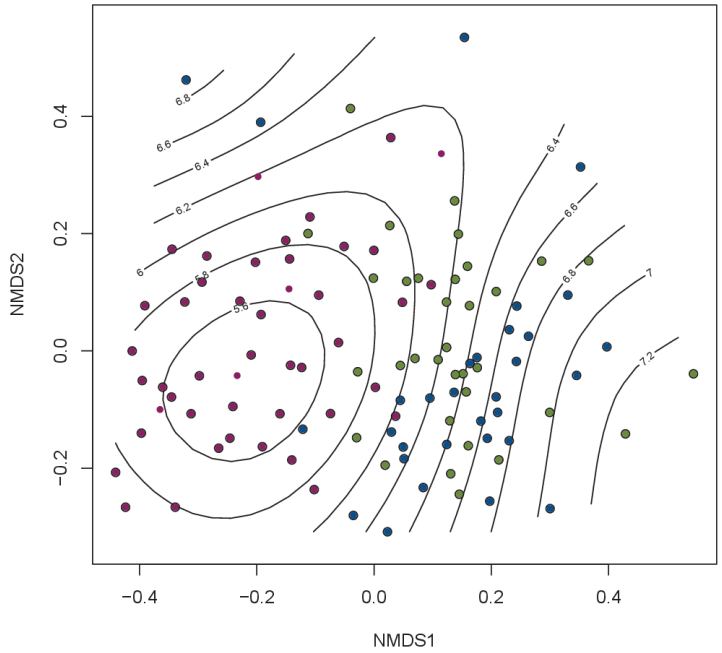
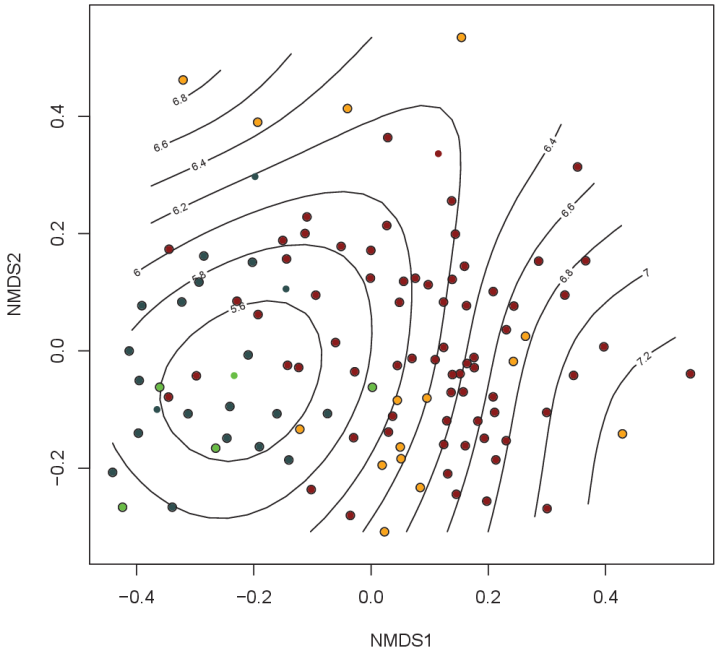
Saprophytic	by Exploratory	by dominant tree species
ForMI		
SMI		

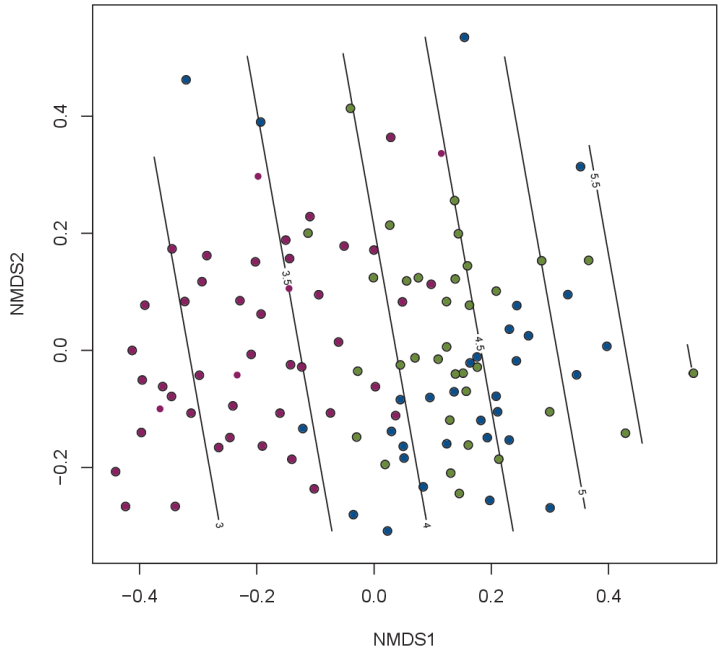
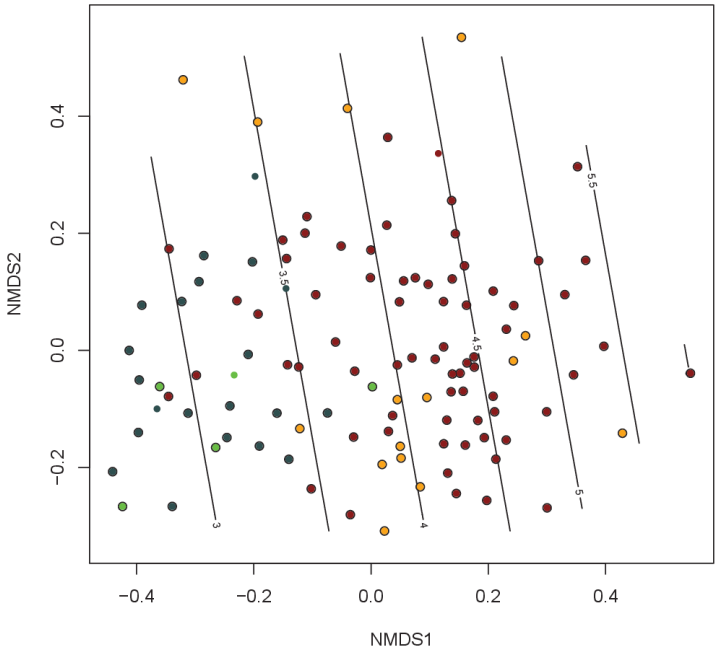
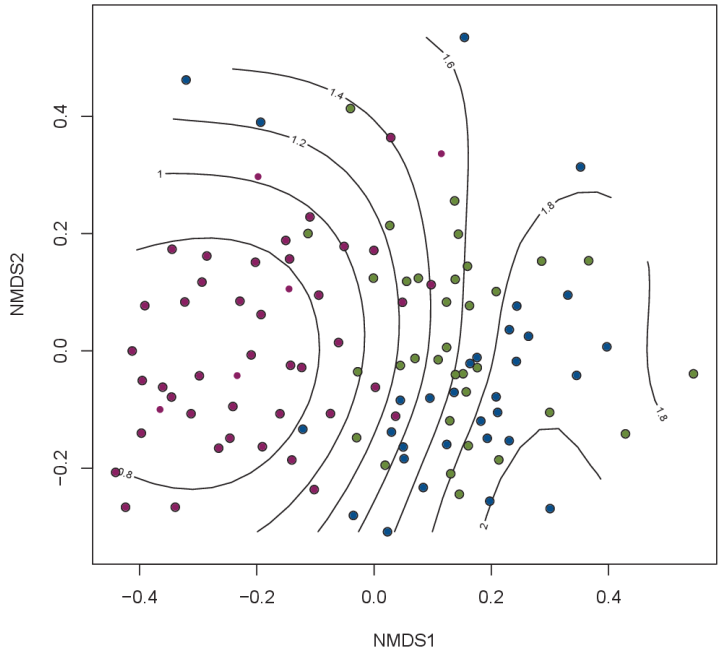
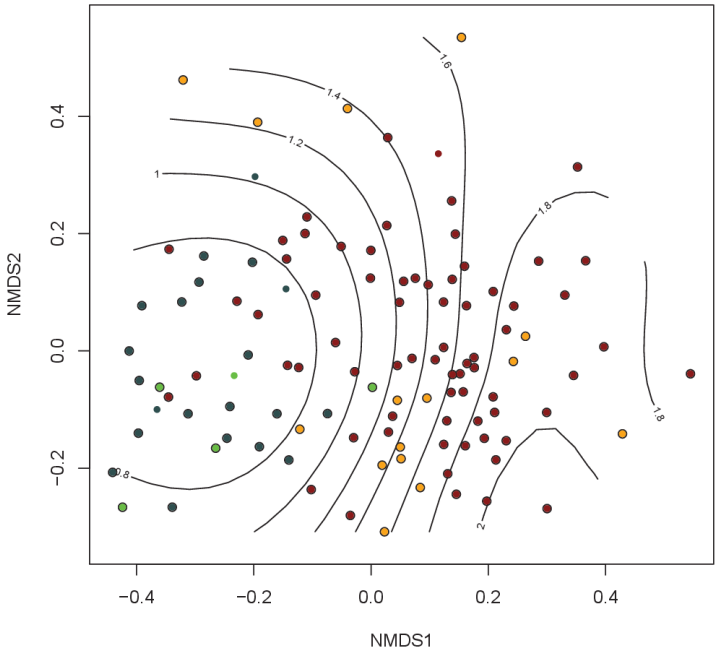
Saprophytic	by Exploratory	by dominant tree species
Coarse Roots Biomass		
Fine Roots Biomass		

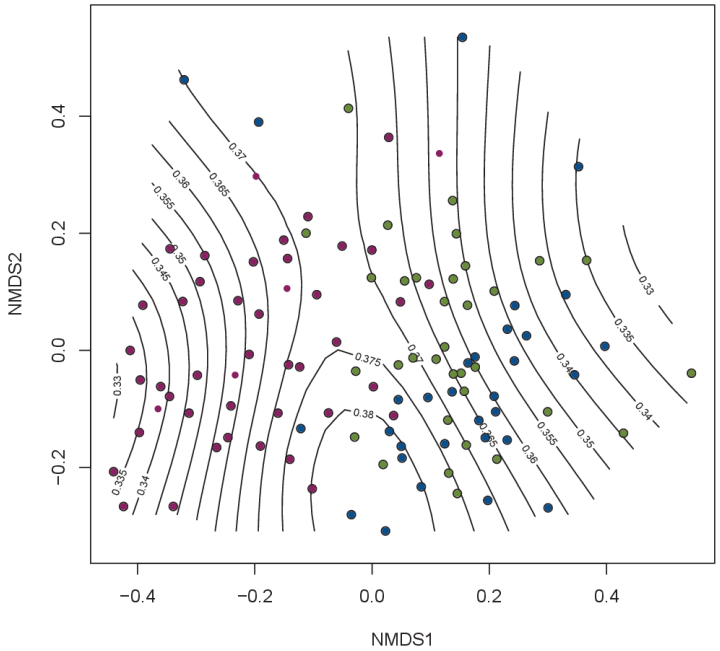
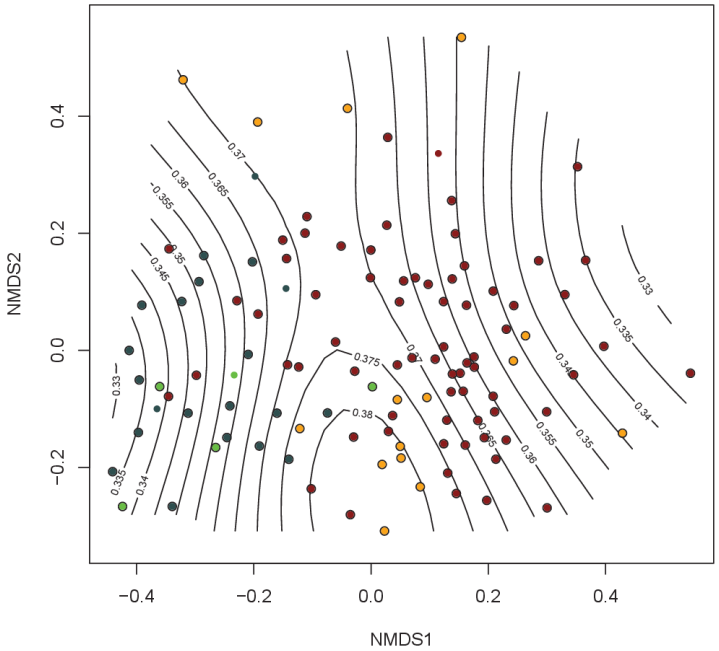
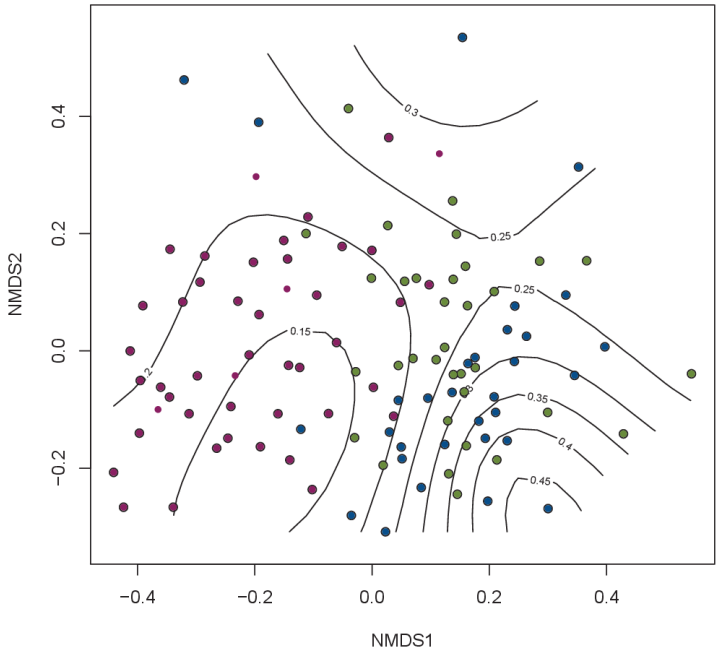
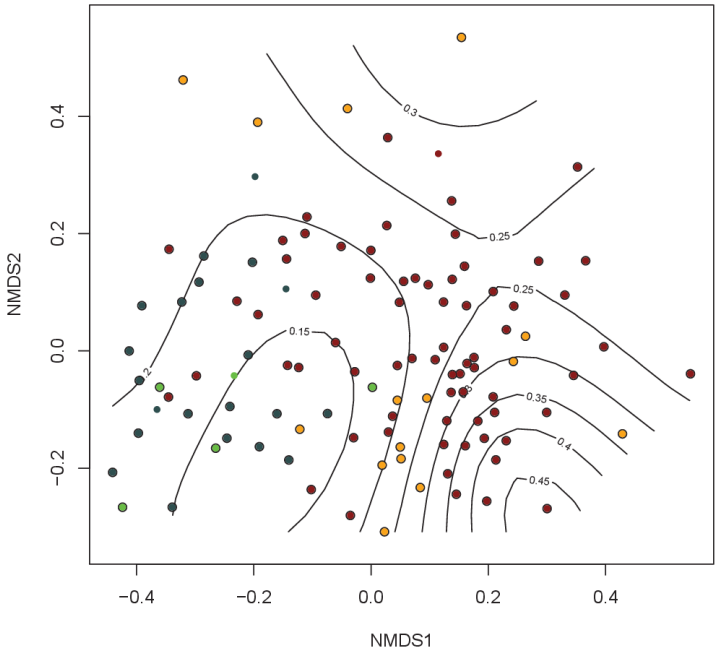
Saprophytic	by Exploratory	by dominant tree species
Root fructose content		
Root glucose content		

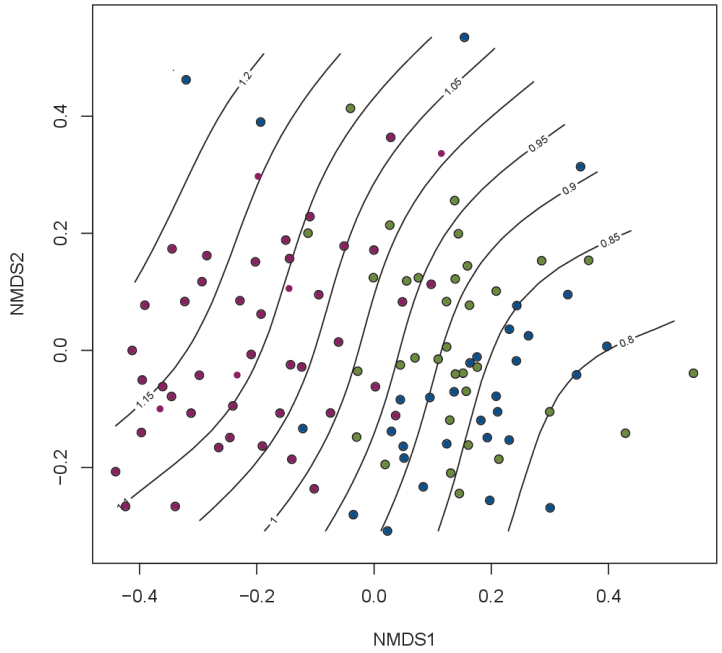
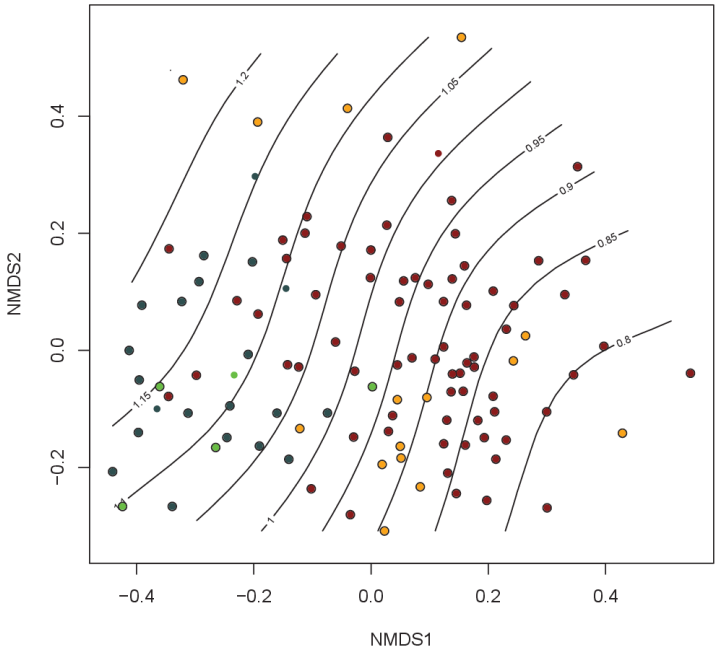
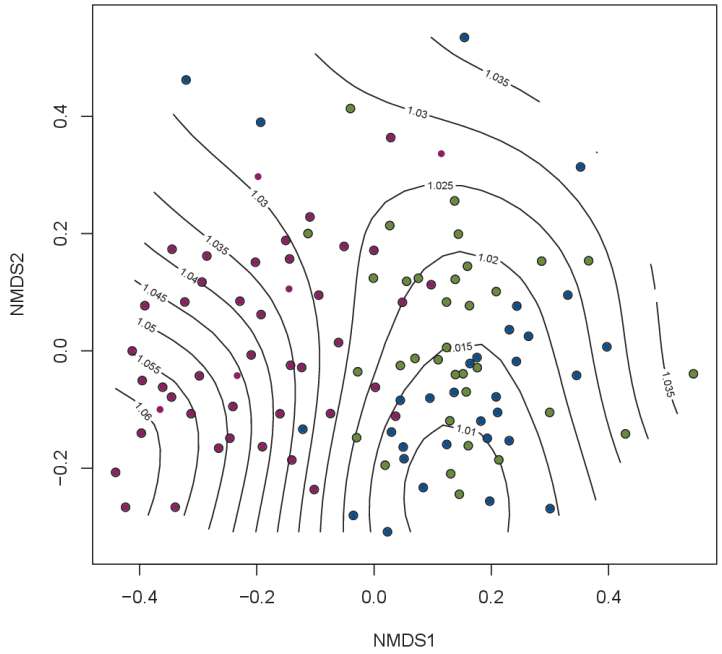
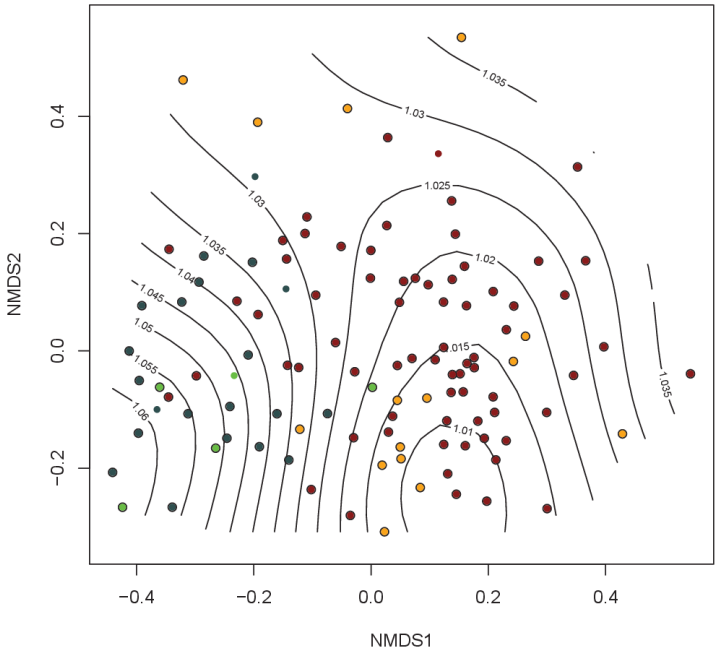
Saprophytic	by Exploratory	by dominant tree species
Root C content		
Root N content		

Saprophytic	by Exploratory	by dominant tree species
Root CN ratio		
Root Al content		

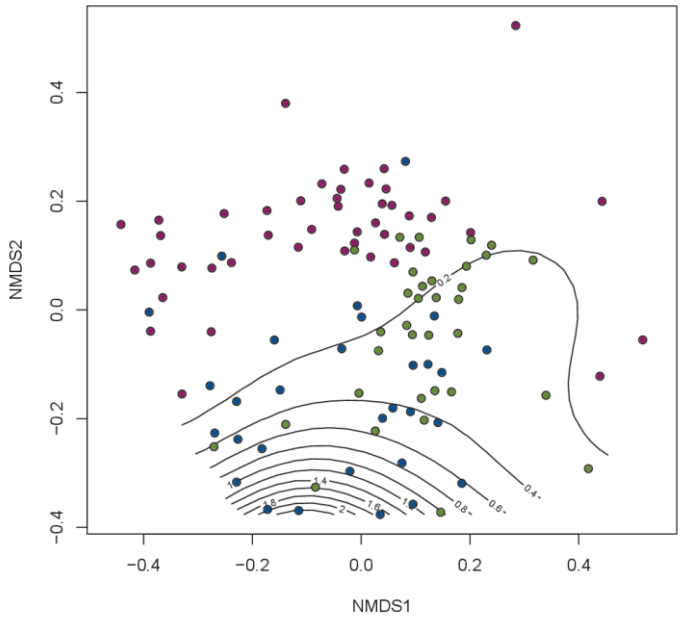
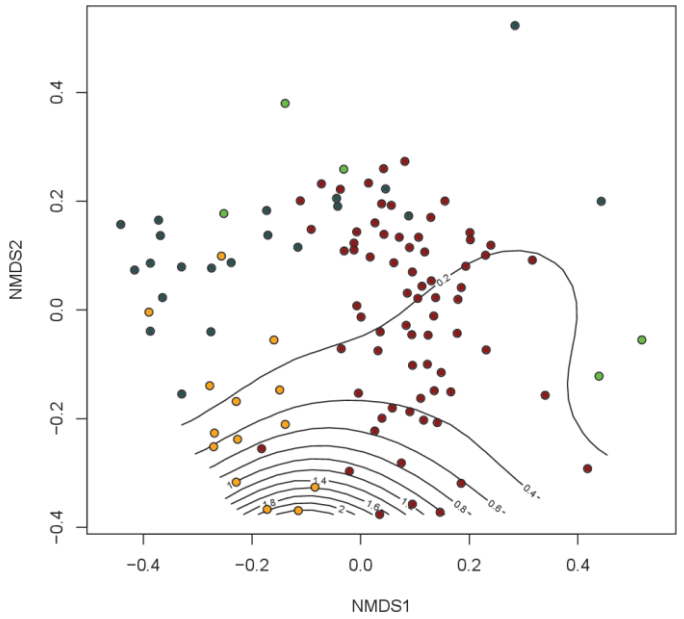
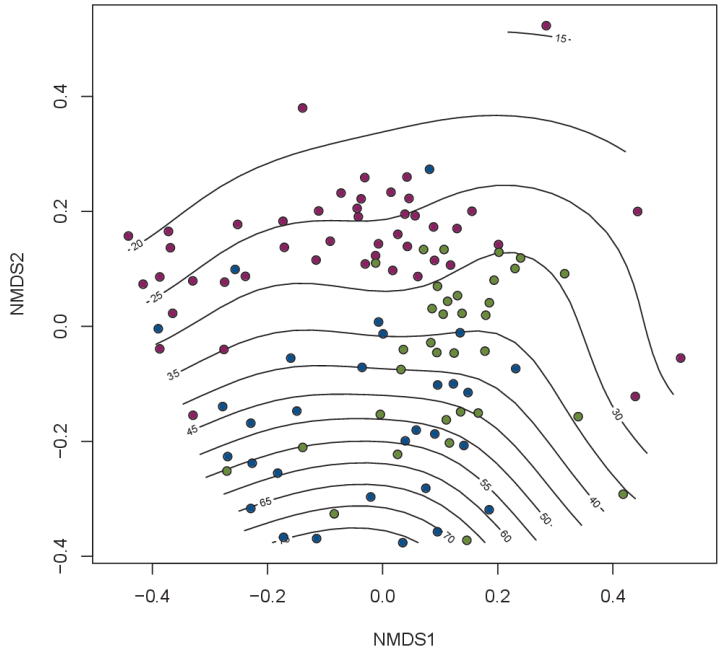
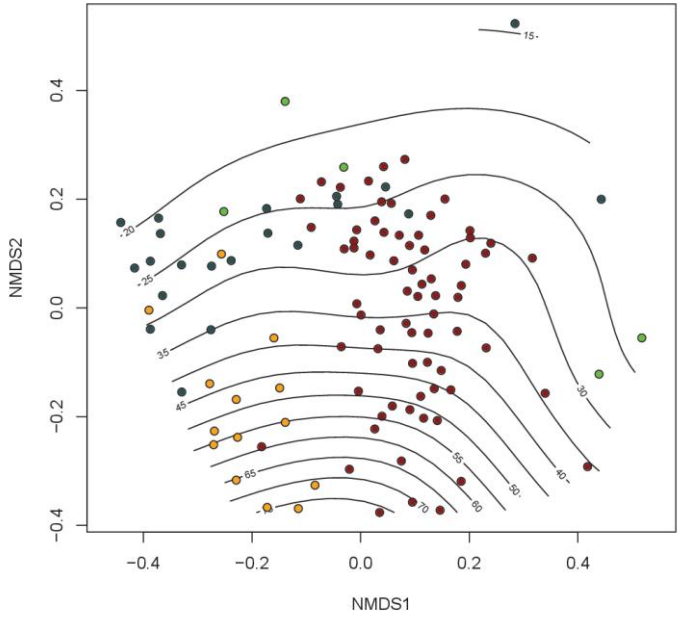
Saprophytic	by Exploratory	by dominant tree species
Root Ca content		
Root Fe content		

Saprophytic	by Exploratory	by dominant tree species
Root K content		
Root Mg content		

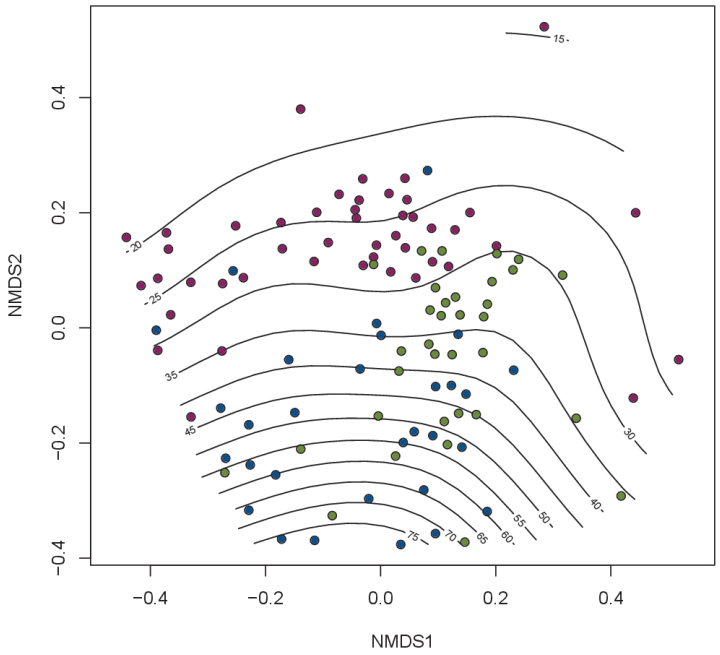
Saprophytic	by Exploratory	by dominant tree species
Root Mn content		
Root Na content		

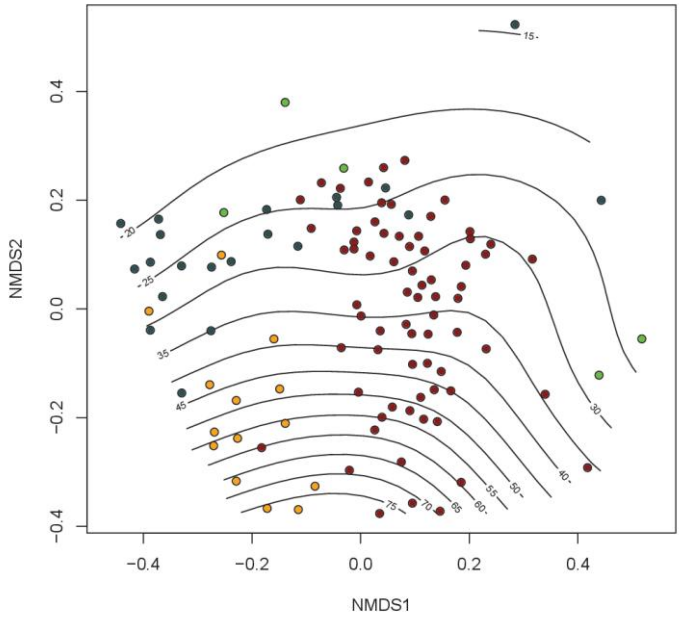
Saprophytic	by Exploratory	by dominant tree species
Root P content		
Root S content		

d) unknown fungi

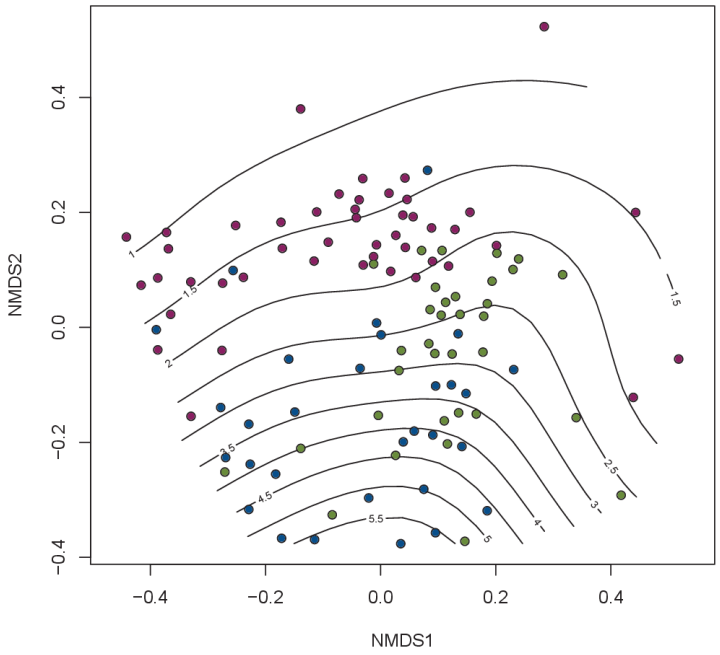
d) unknown fungi	by Exploratory	by dominant tree species
Mineral soil Inorganic C		
Mineral soil Organic C		

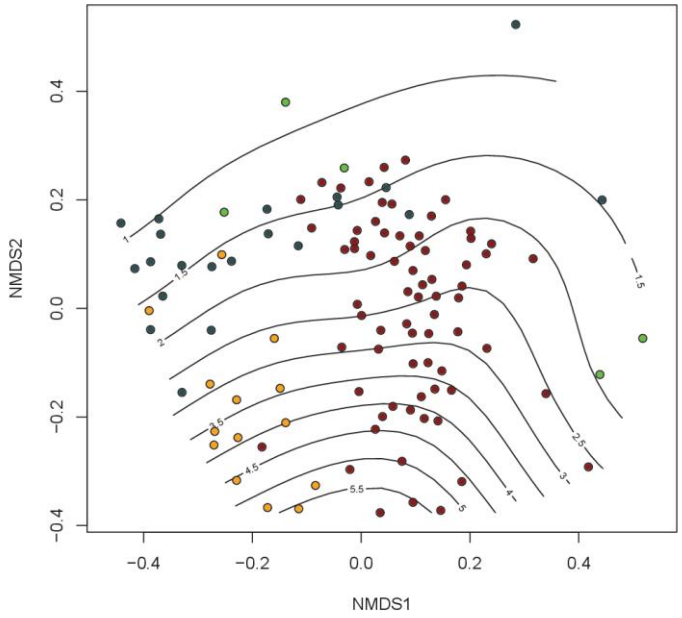
Mineral soil Total C



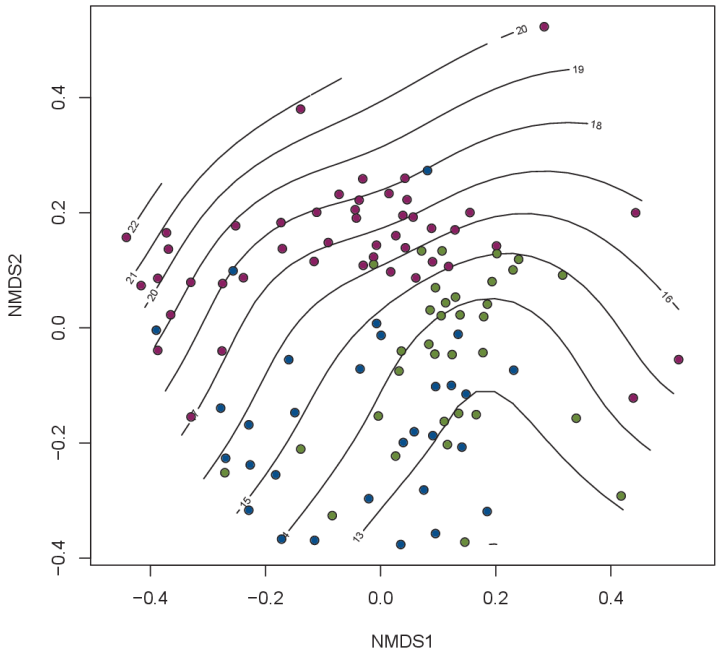


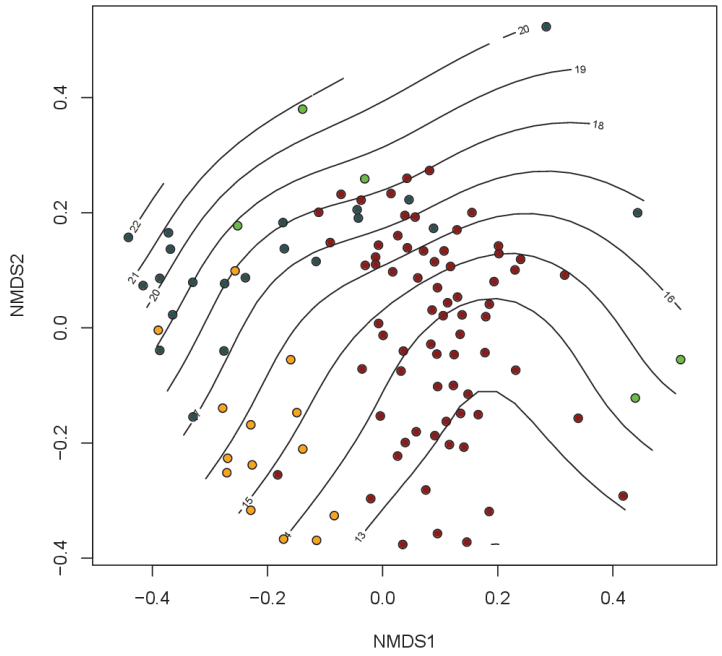
Mineral soil Total N



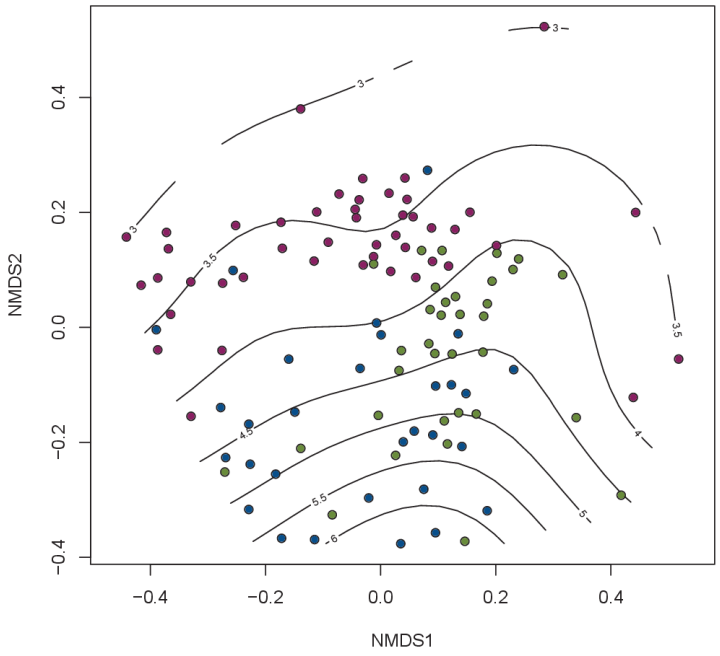


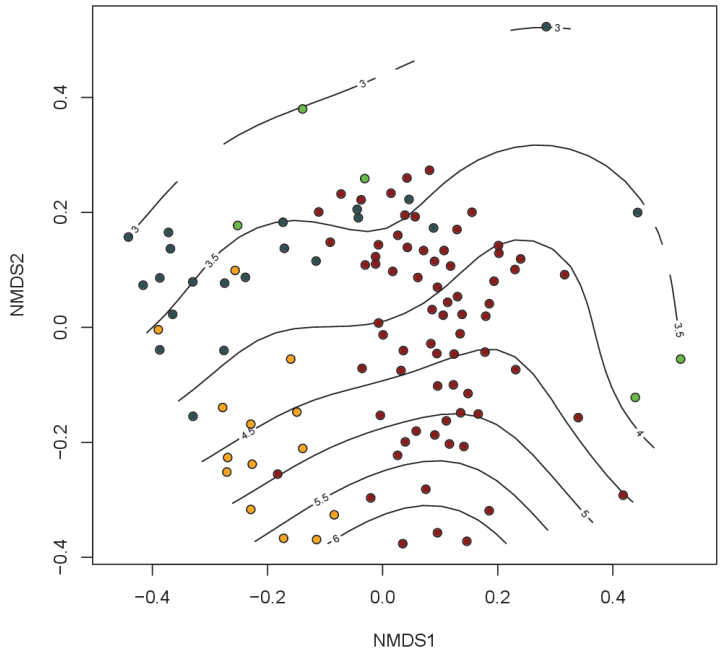
Mineral soil CN ratio



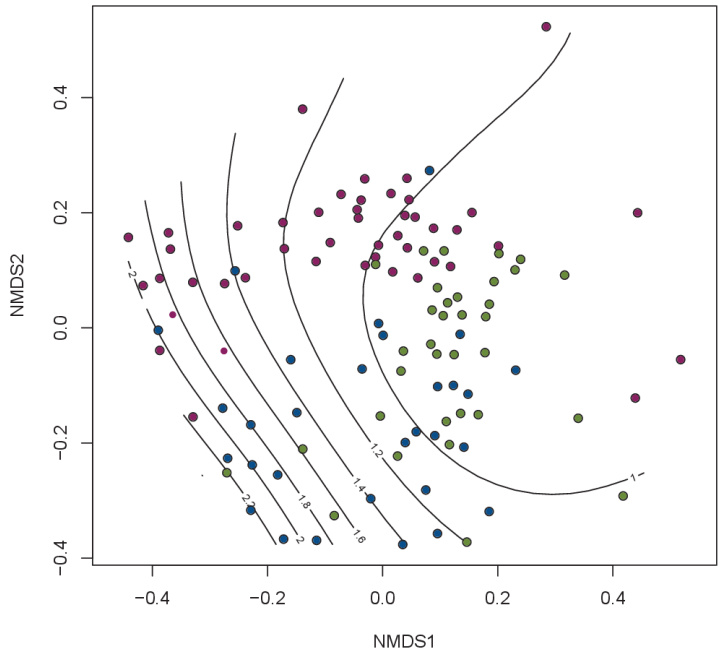


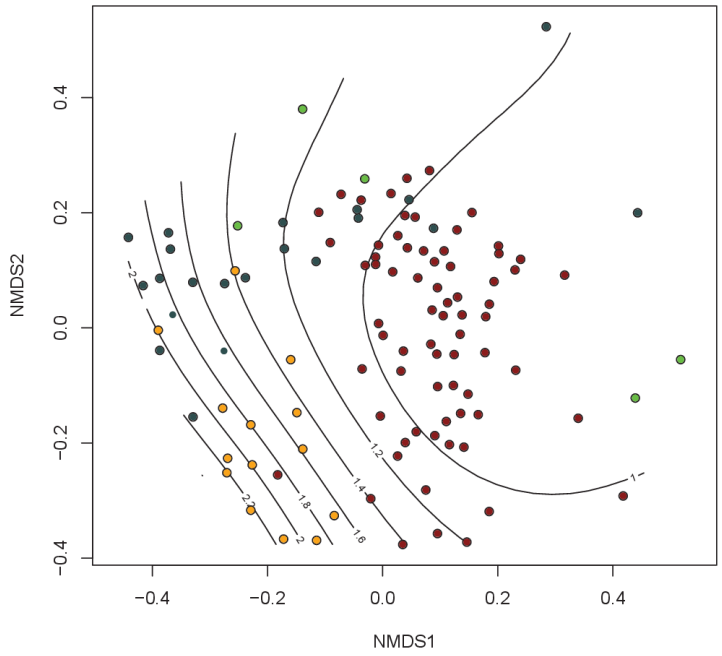
Mineral soil pH 1



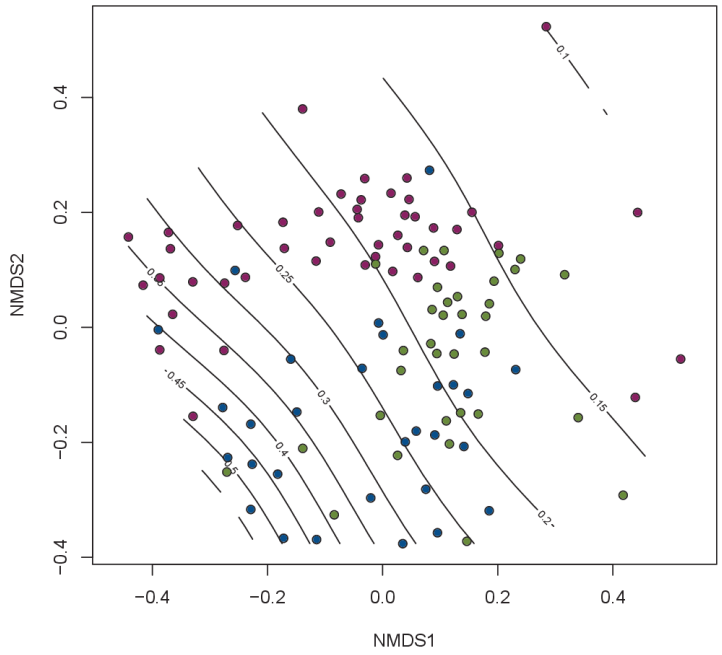


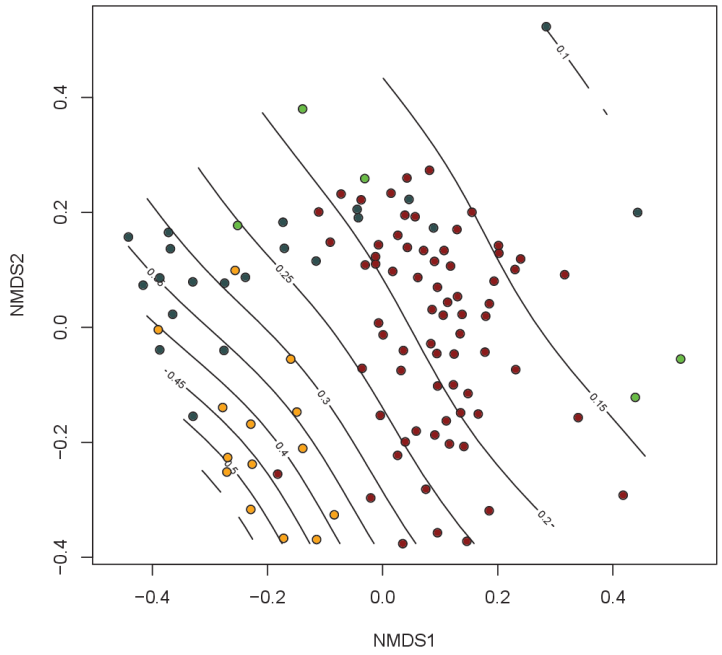
ForMI


NMDS2
NMDS1
−0.4
−0.2
0.0
0.2
0.4

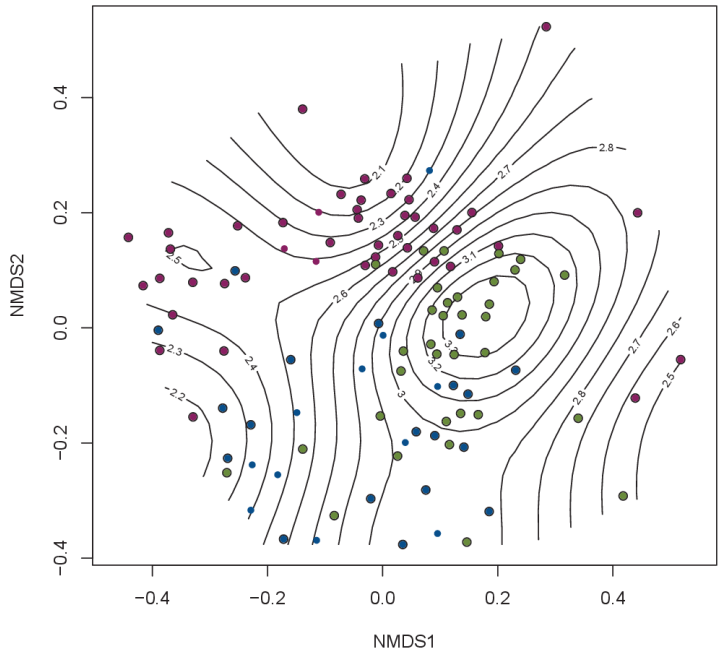

NMDS2
NMDS1
−0.4
−0.2
0.0
0.2
0.4

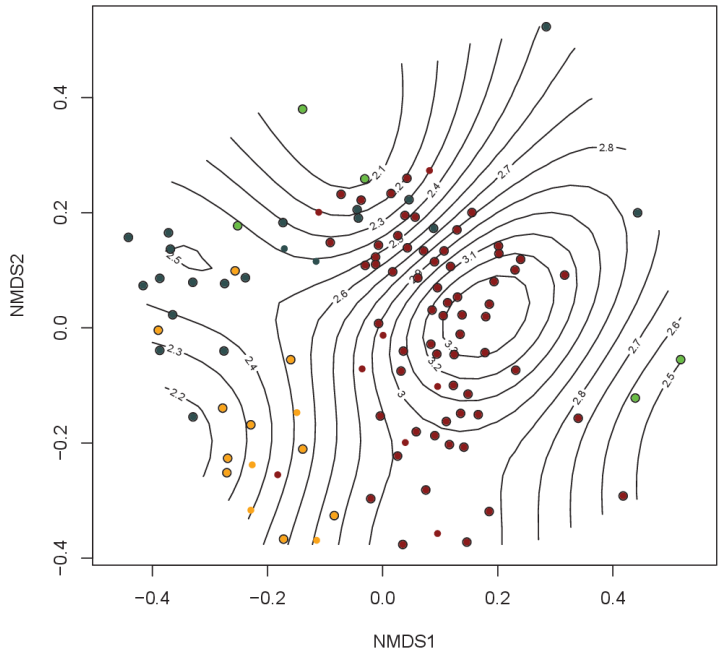
SMI


NMDS2
NMDS1
−0.4
−0.2
0.0
0.2
0.4

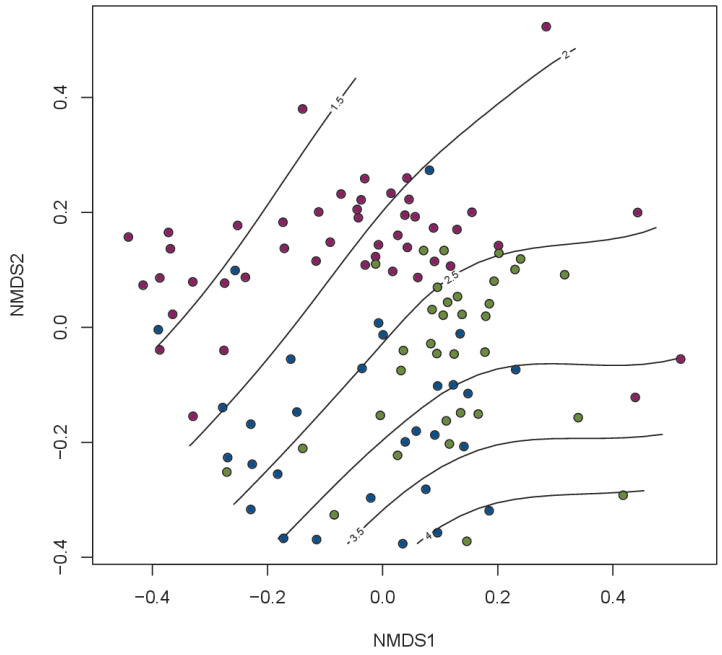

NMDS2
NMDS1
−0.4
−0.2
0.0
0.2
0.4

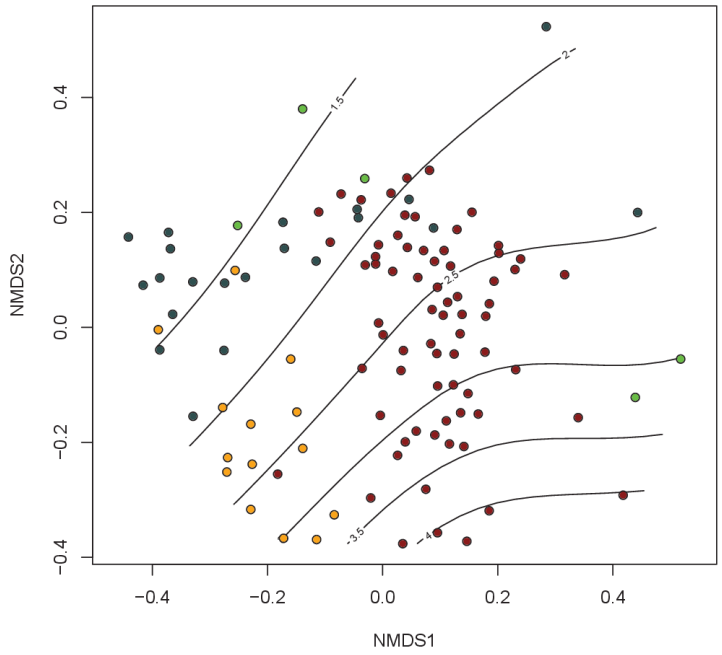
Coarse Roots Biomass



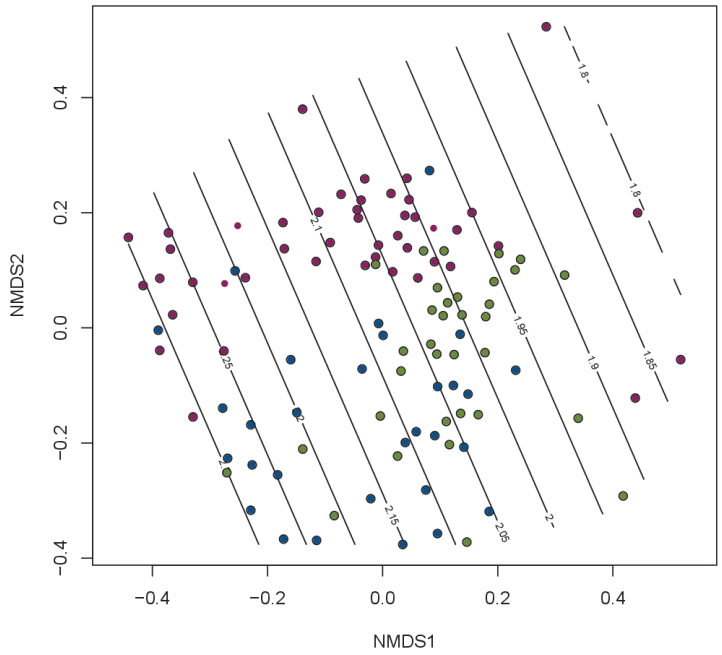


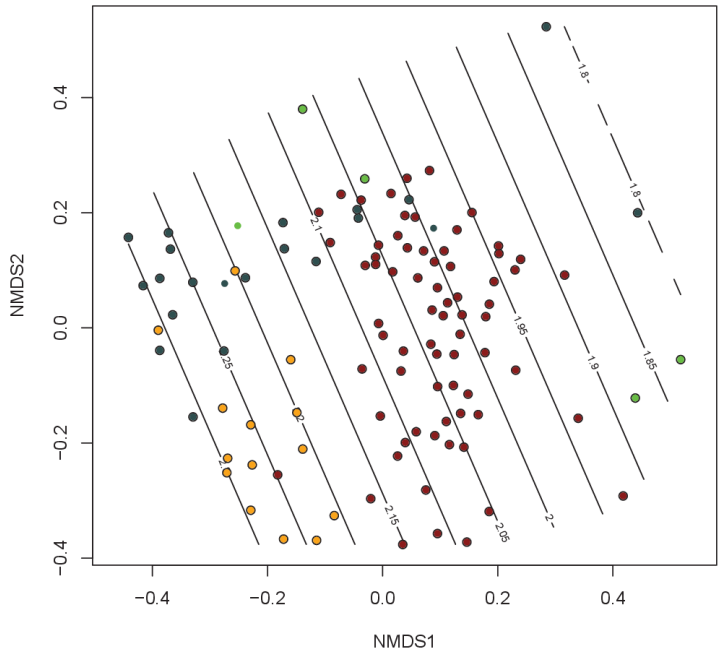
Fine Roots Biomass



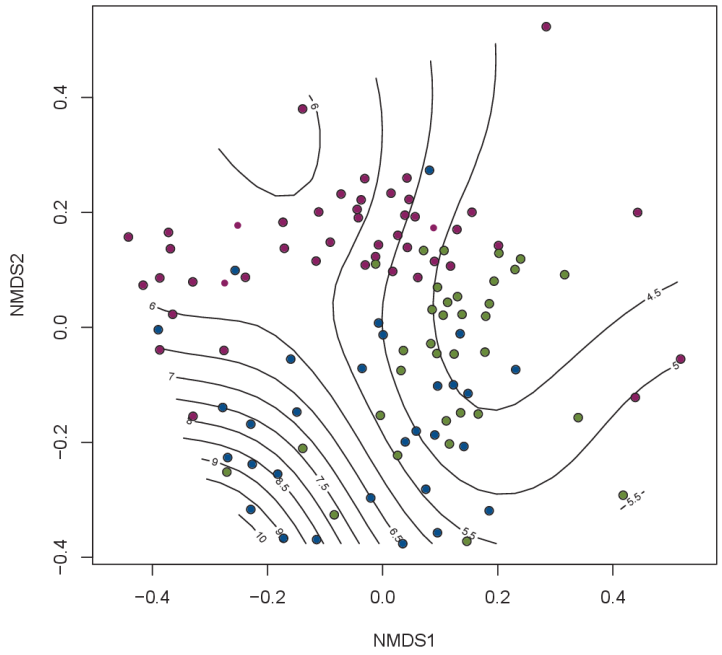


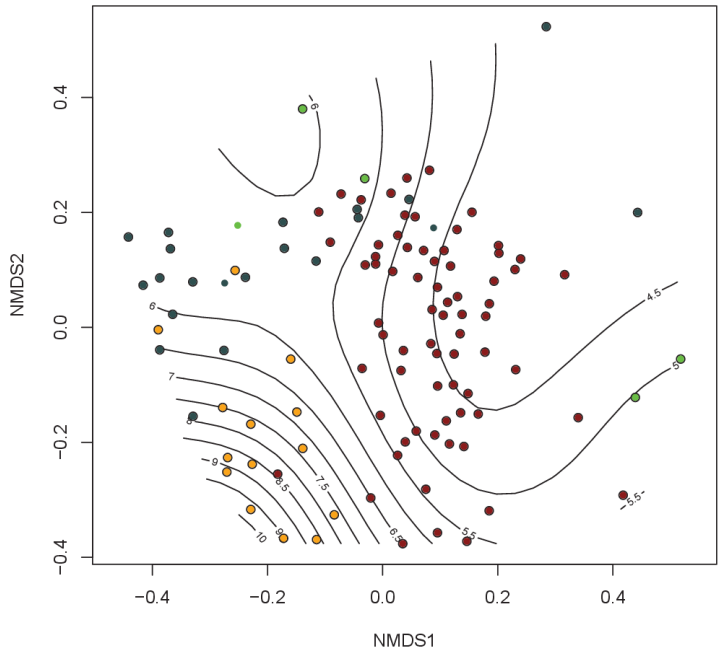
Root fructose content



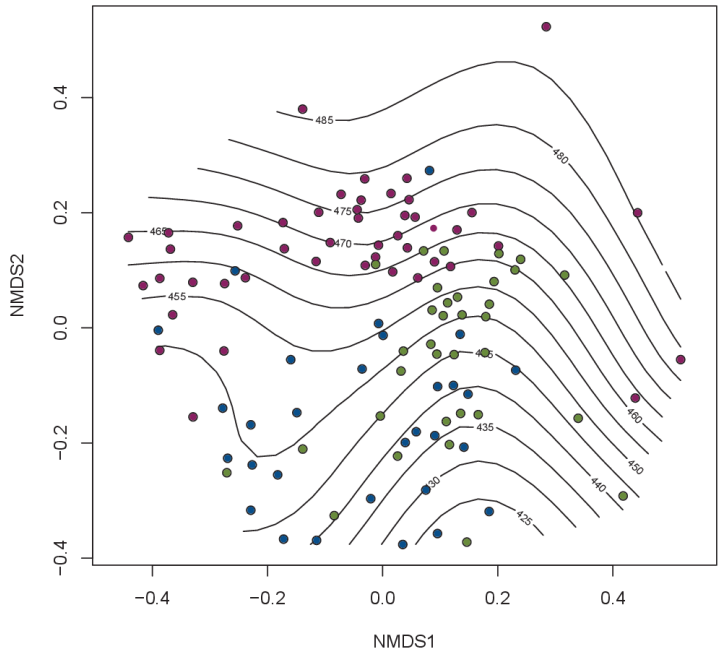


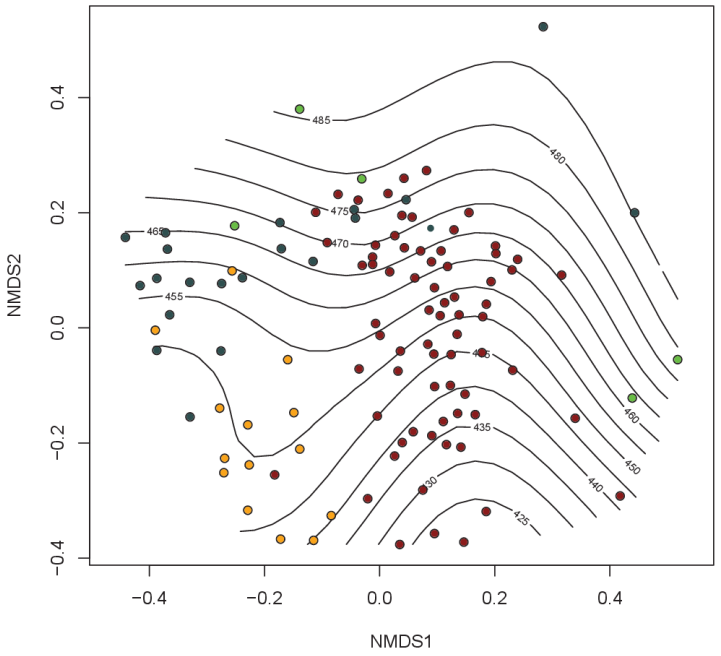
Root glucose content



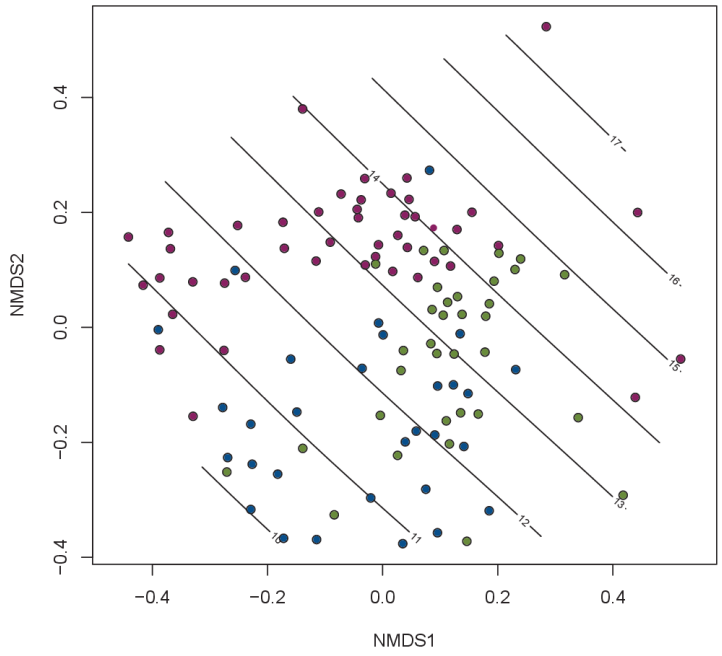


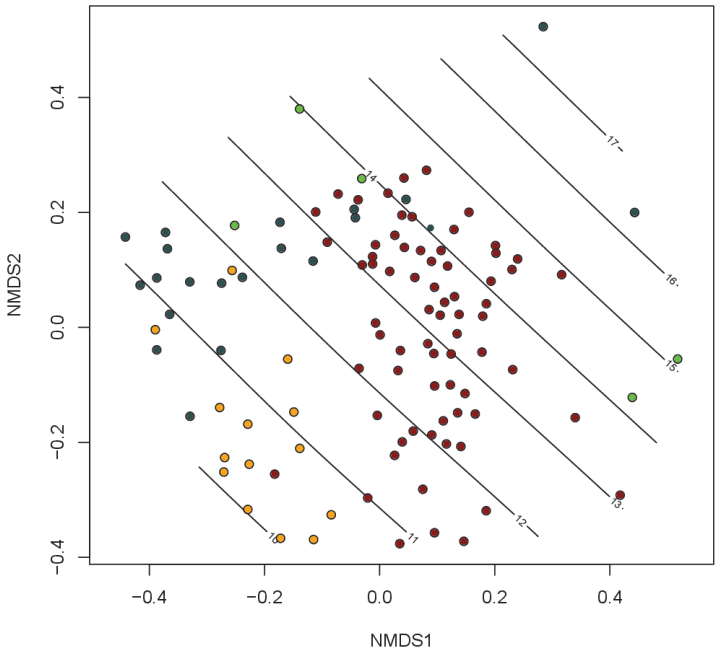
Root C content



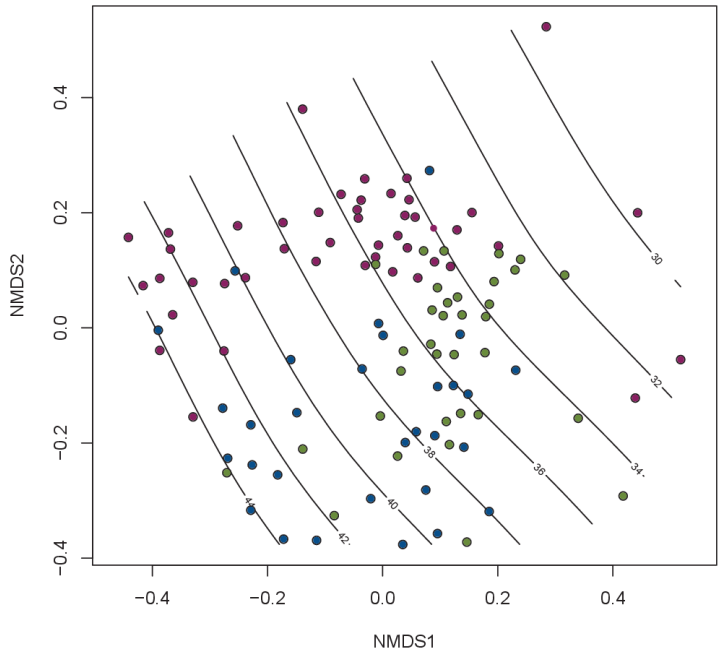


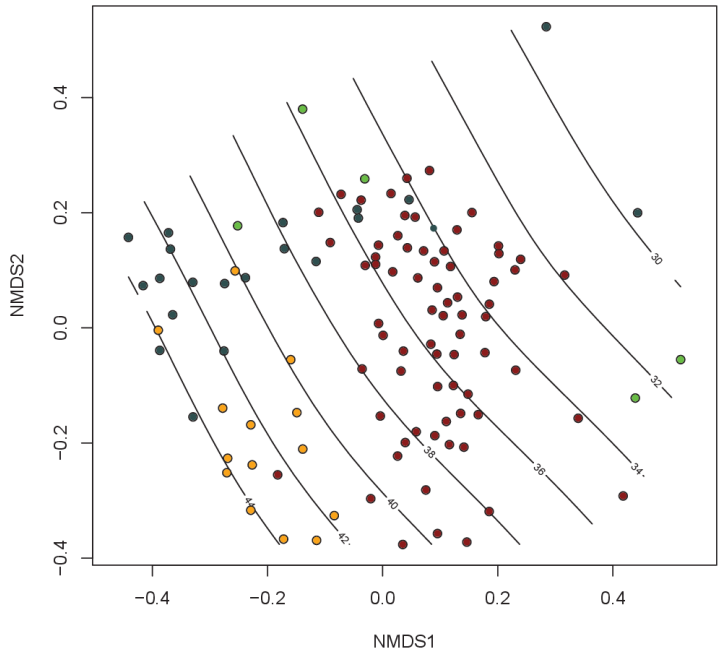
Root N content



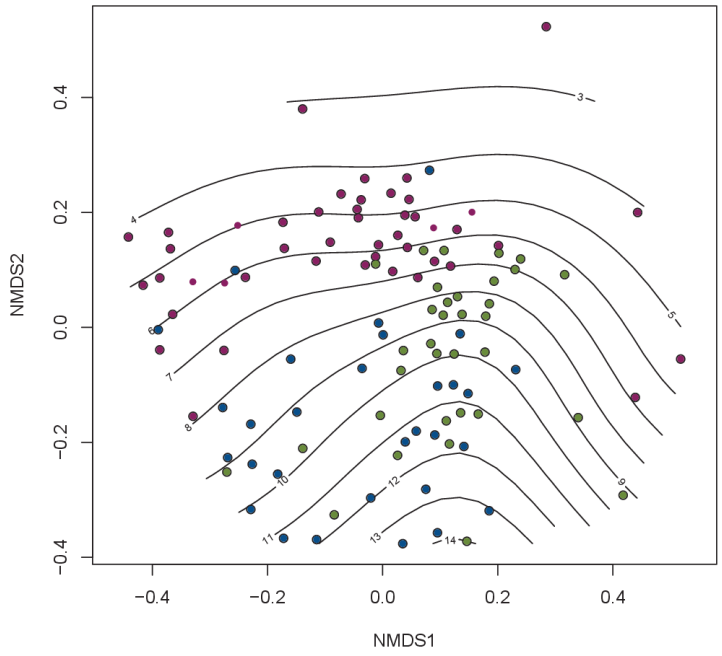


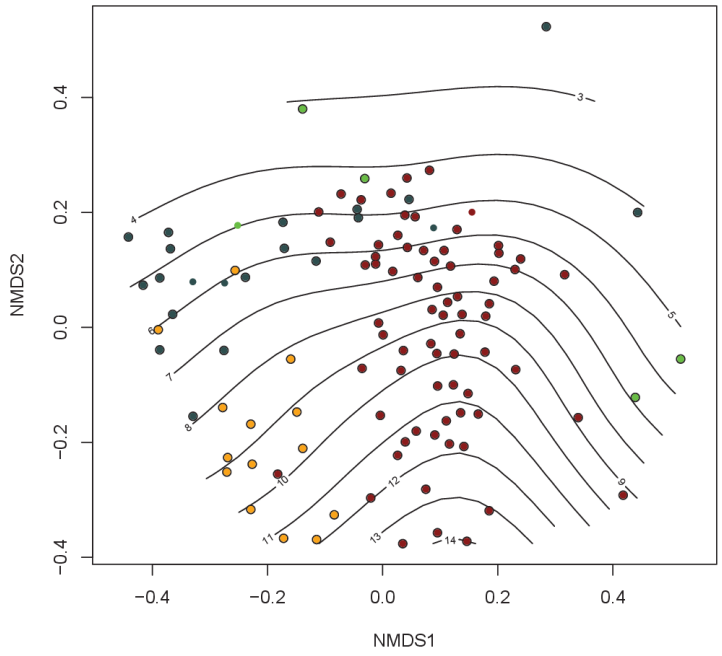
Root CN ratio



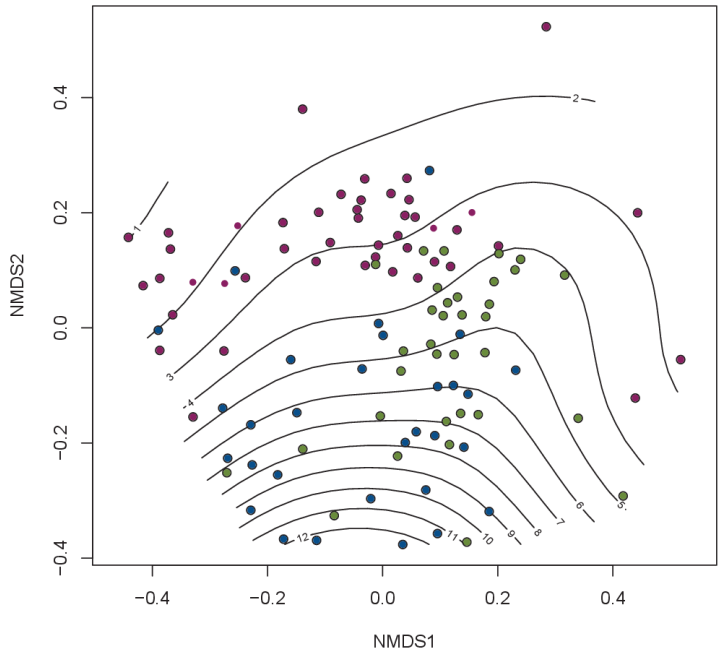


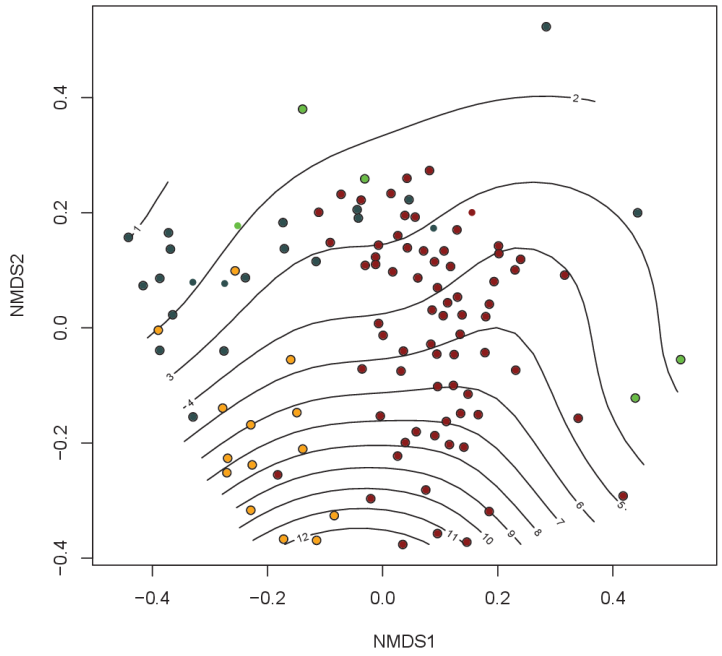
Root Al content





Root Ca content





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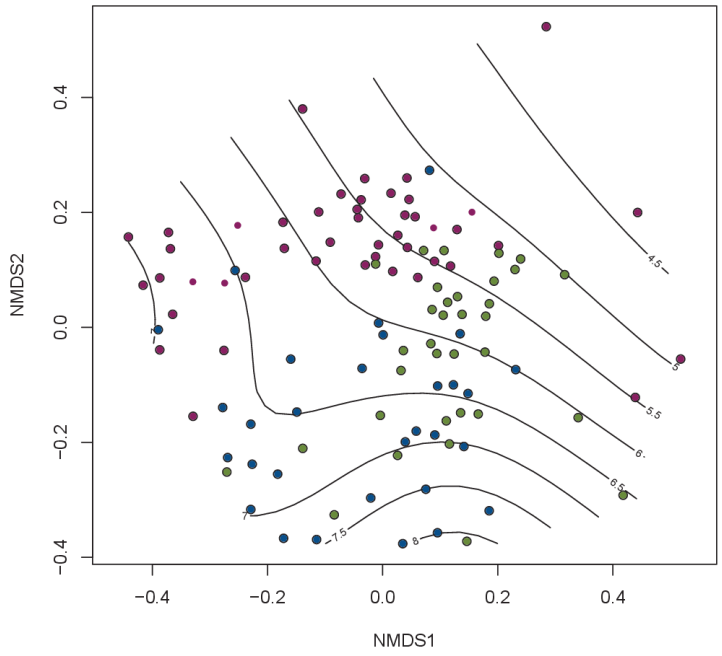

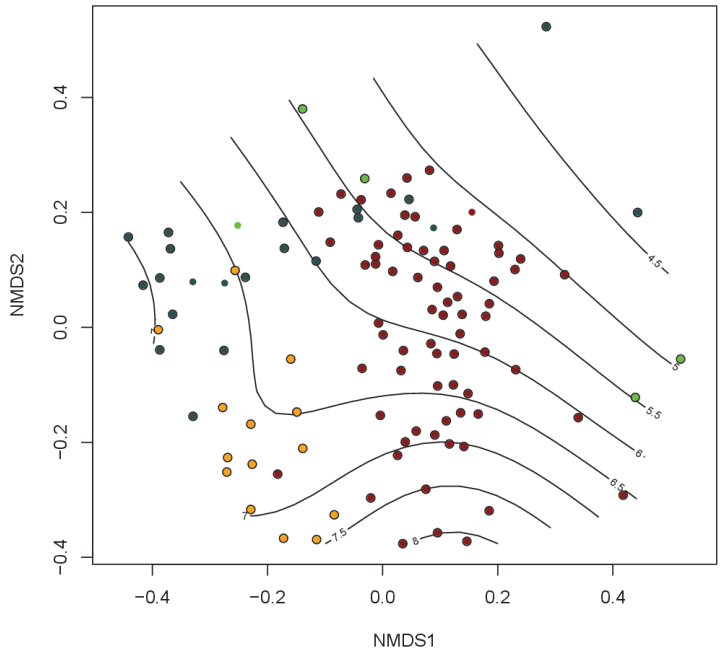

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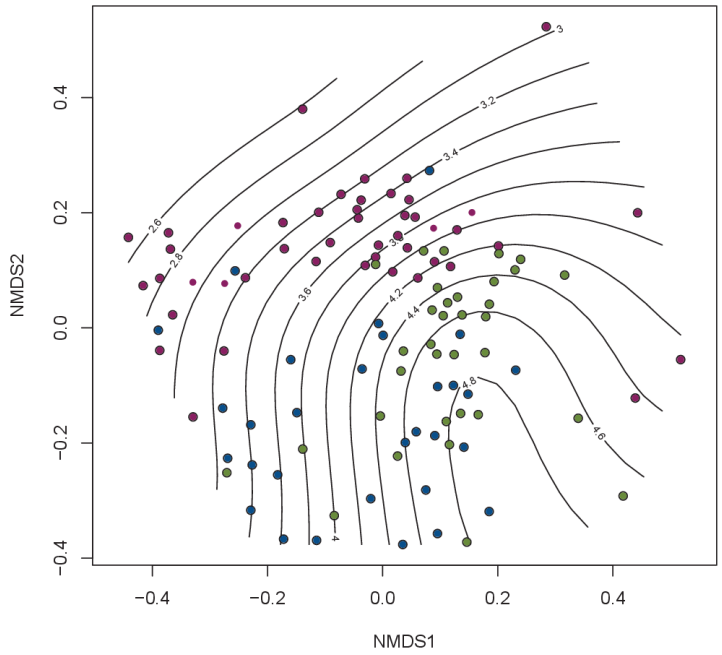

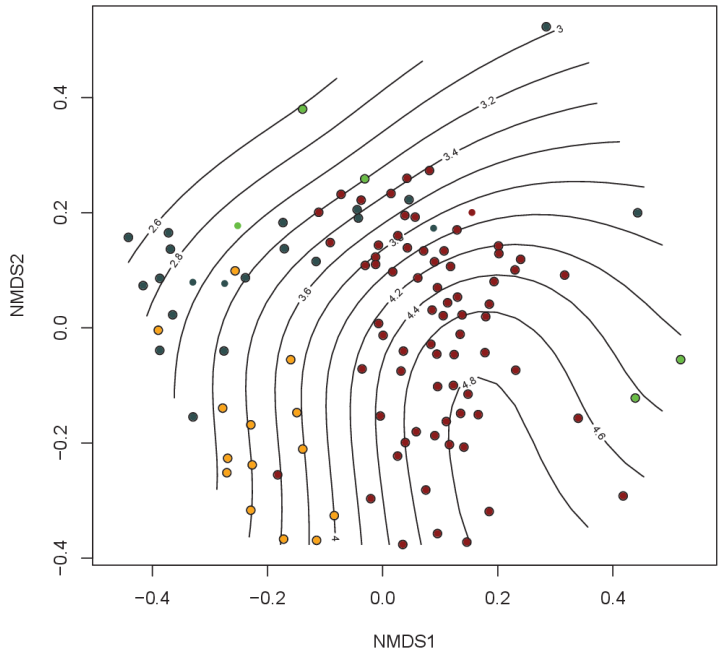

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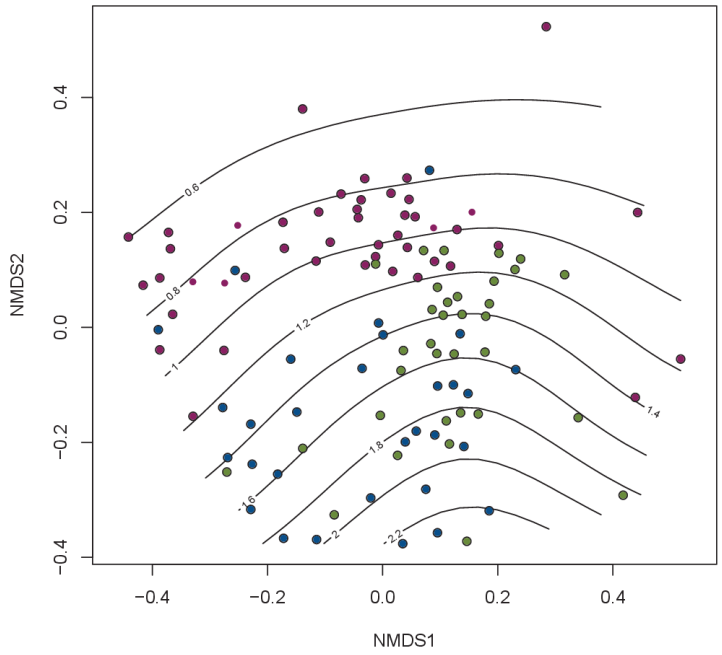

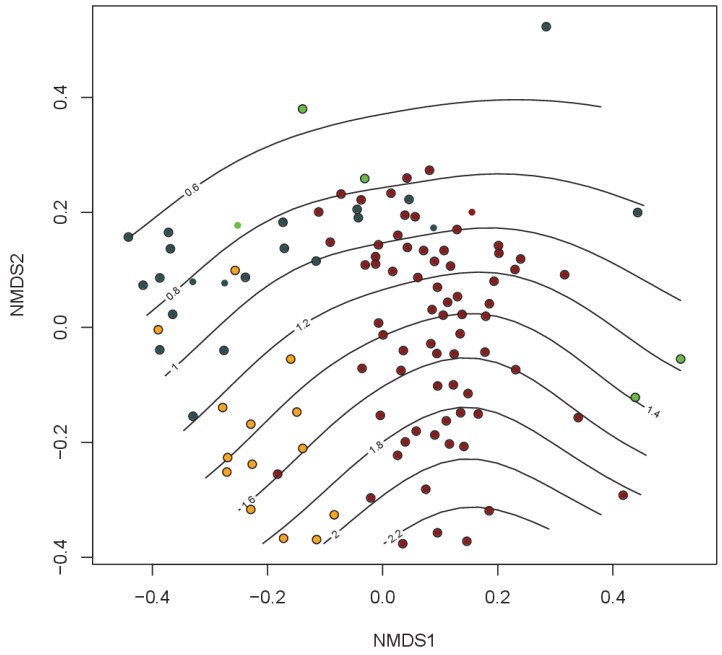

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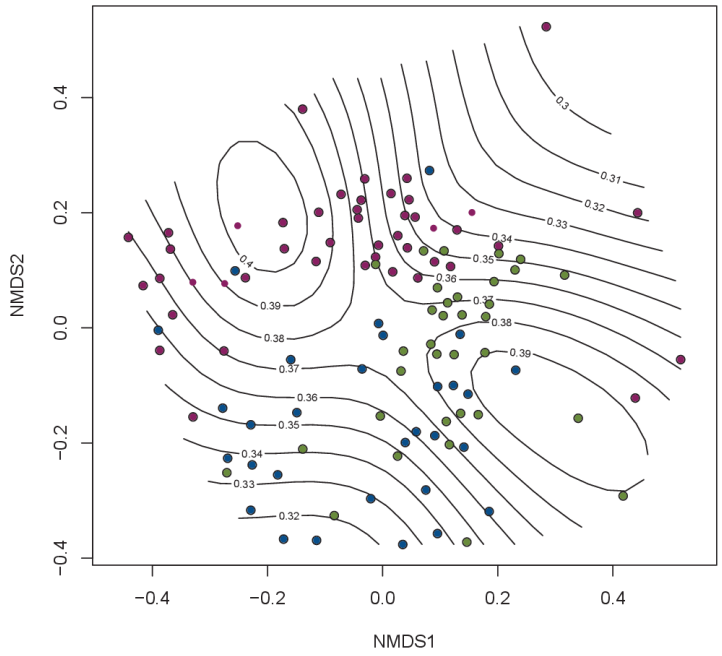

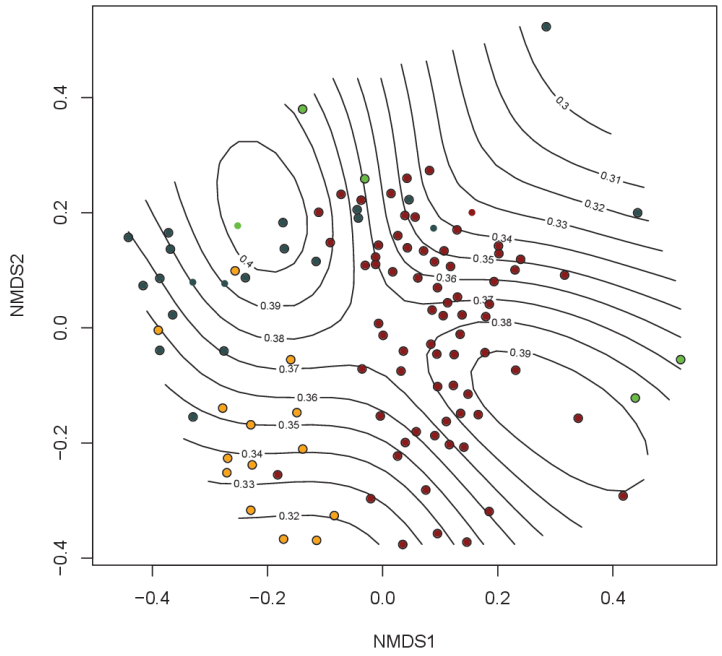

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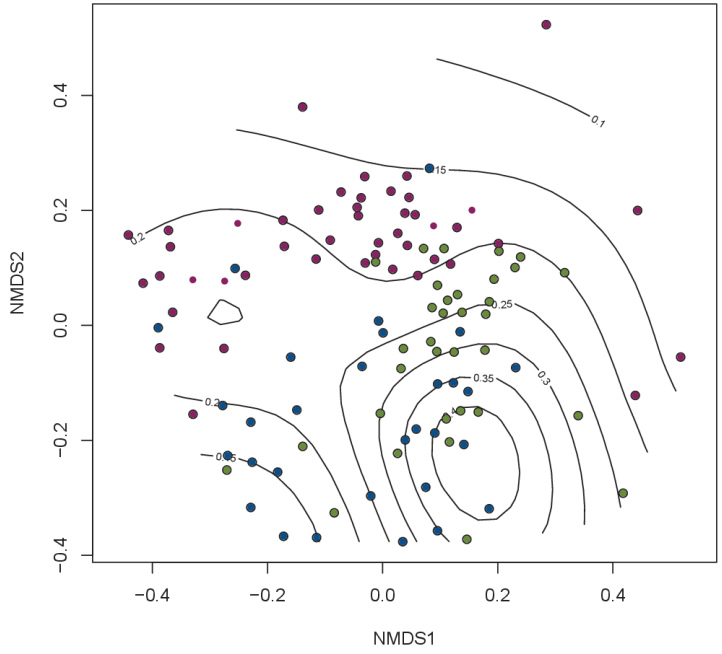

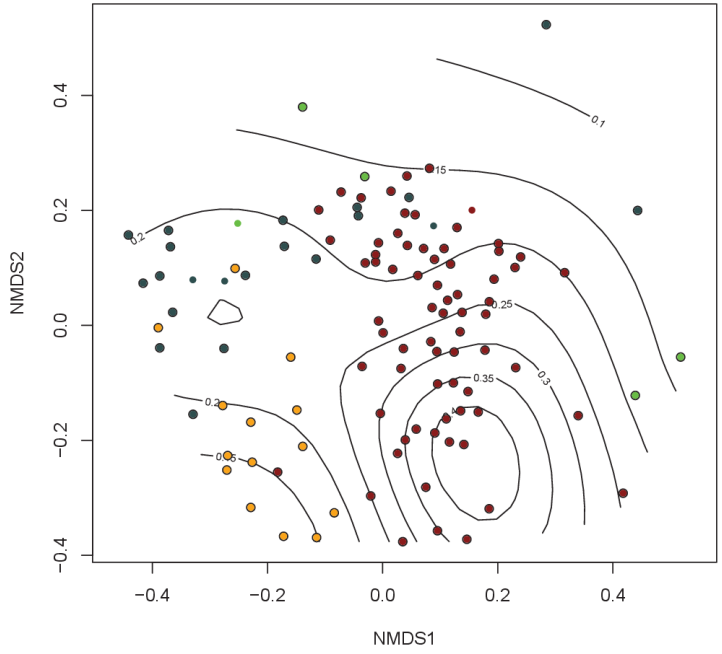

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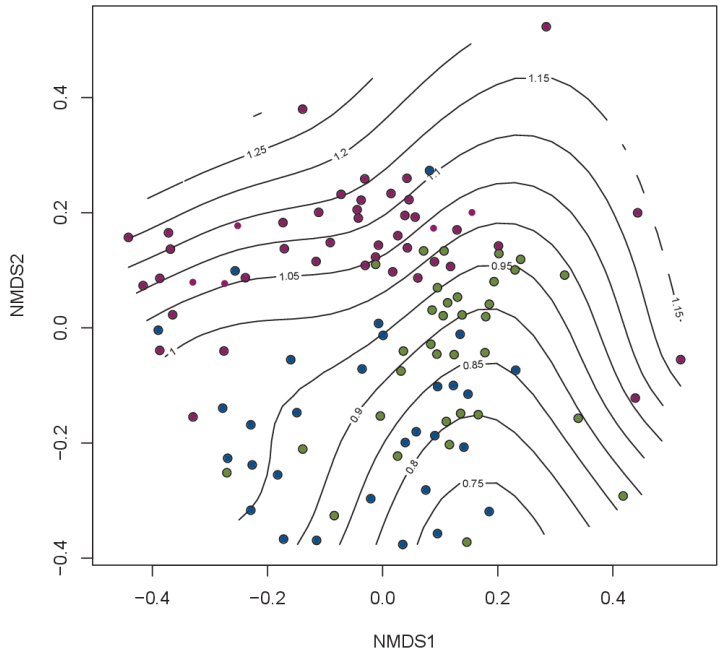

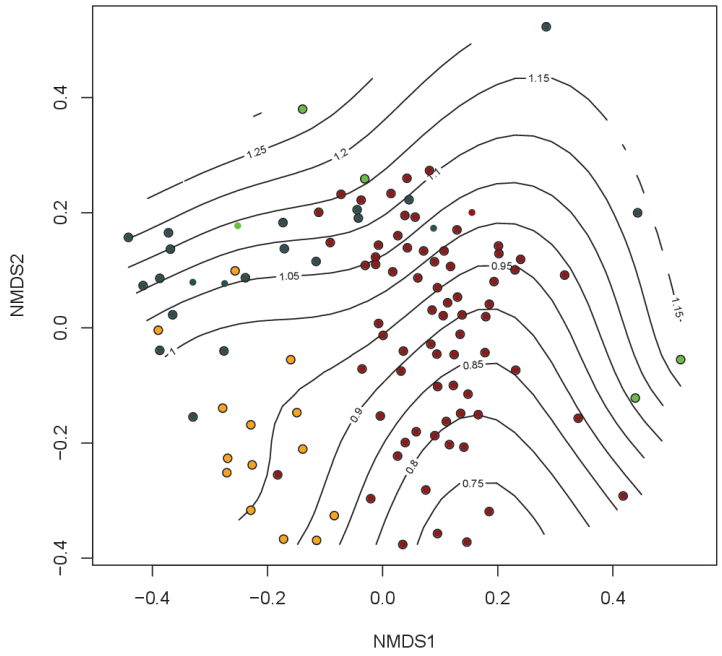

Root S content