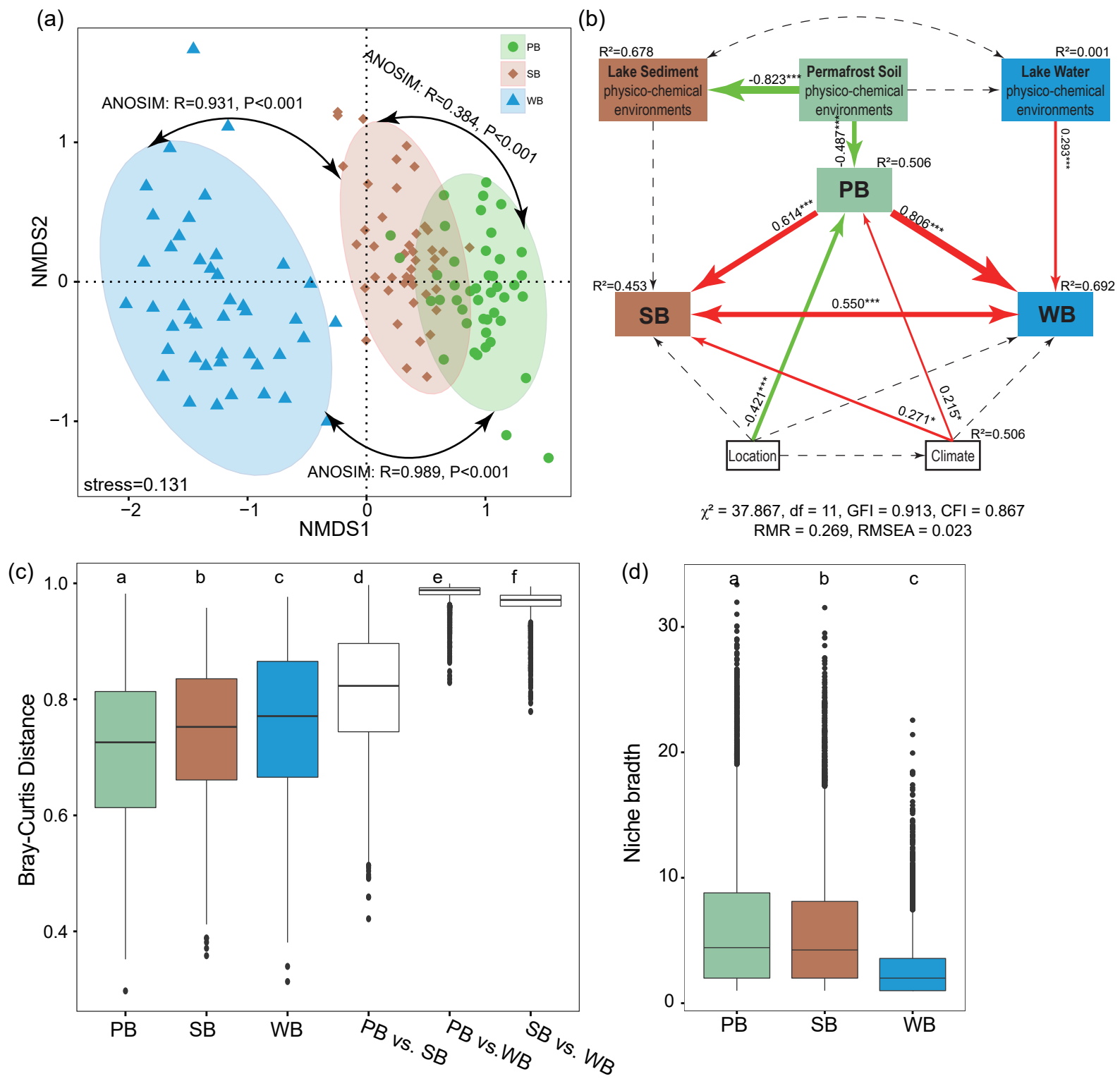
(a)
PB
SB
WB
ANOSIM: R=0.931, P<0.001
ANOSIM: R=0.384, P<0.001
ANOSIM: R=0.989, P<0.001
stress=0.131
NMDS2
NMDS1
(b)
R²=0.678
Lake Sediment physico-chemical environments
-0.823***
Permafrost Soil physico-chemical environments
R²=0.001
Lake Water physico-chemical environments
-0.487***
0.293***
R²=0.506
PB
0.614***
0.806***
R²=0.453
SB
0.550***
WB
R²=0.692
-0.421***
0.271*
0.215*
R²=0.506
Location
Climate
χ² = 37.867, df = 11, GFI = 0.913, CFI = 0.867
RMR = 0.269, RMSEA = 0.023
(c)
Bray-Curtis Distance
PB
SB
WB
PB vs. SB
PB vs. WB
SB vs. WB
(d)
Niche bradth
PB
SB
WB