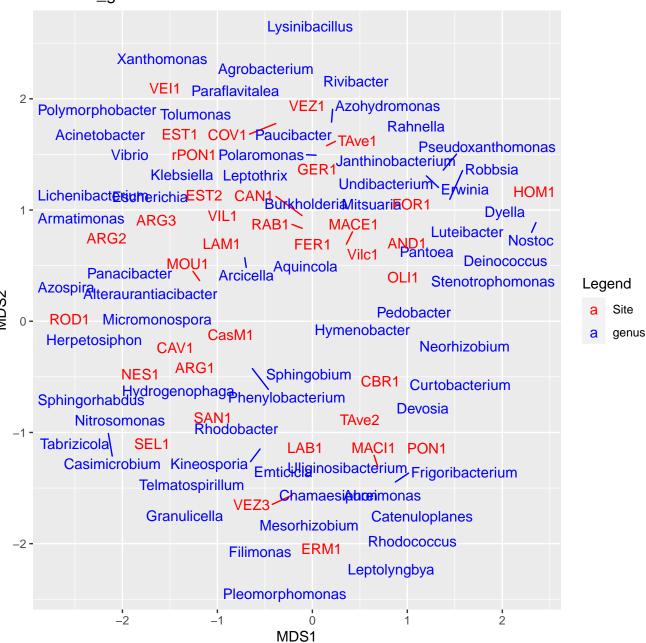
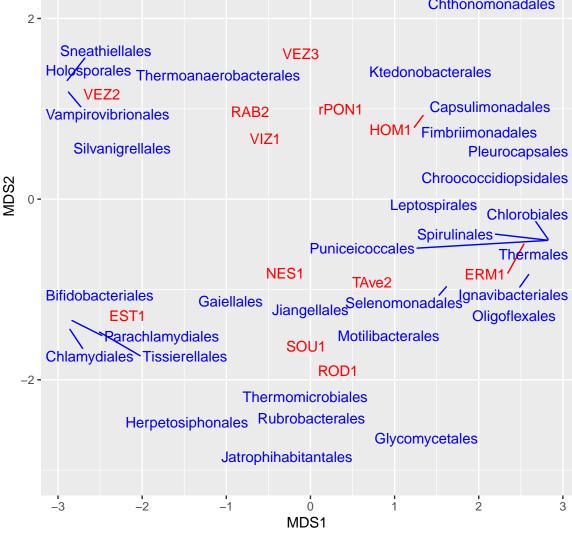
Bacteria_genus



Site

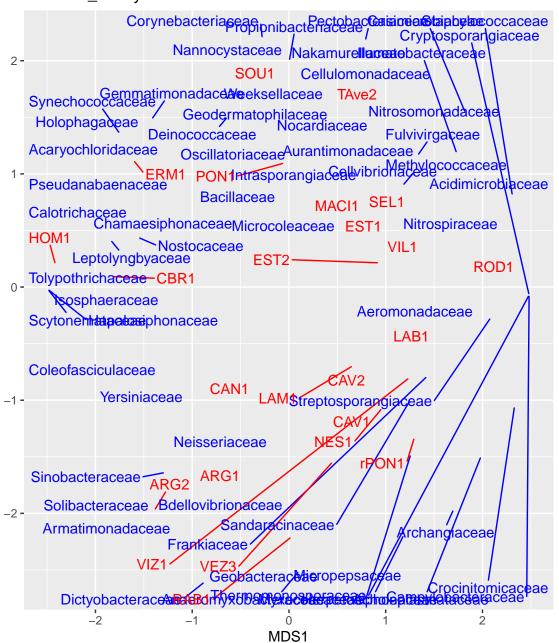
Bacteria_order **Ardenticatenales** Bradymonadales Catenulisporales Acholeplasmatales ARG1 Thermogemmatisporales Chthonomonadales 2 -**Sneathiellales** VEZ3 Holosporales Thermoanaerobacterales Ktedonobacterales Capsulimonadales rPON1 RAB2 Vampirovibrionales Fimbriimonadales VIZ1 Silvanigrellales Pleurocapsales Legend Chroococcidiopsidales Site Leptospirales Chlorobiales order Spirulinales-Puniceicoccales -NES₁ TAve2 Jiangellales Selenomonadale Ignavibacteriales **Bifidobacteriales** Gaiellales Oligoflexales EST₁ **Rarachlamydiales** Motilibacterales SOU₁ Chlamydiales Tissierellales ROD1



Bacteria_species Chloroflexi bacterium Occallatibacter savannae ARG1 Terracidiphilus gabretensis Sphingomonas glacialis AVE1 2.5 -Lysinibacillus sphaelmatospirillum siberiense HOM1 VEI1 0.0 -RAB2 COV1 Legend Rhodoferax bucti Site NES1 Actinoplanes humidus species -2.5 **-**-5.0 **-**Streptomyces plicatus CAB₁ -2 6

MDS1

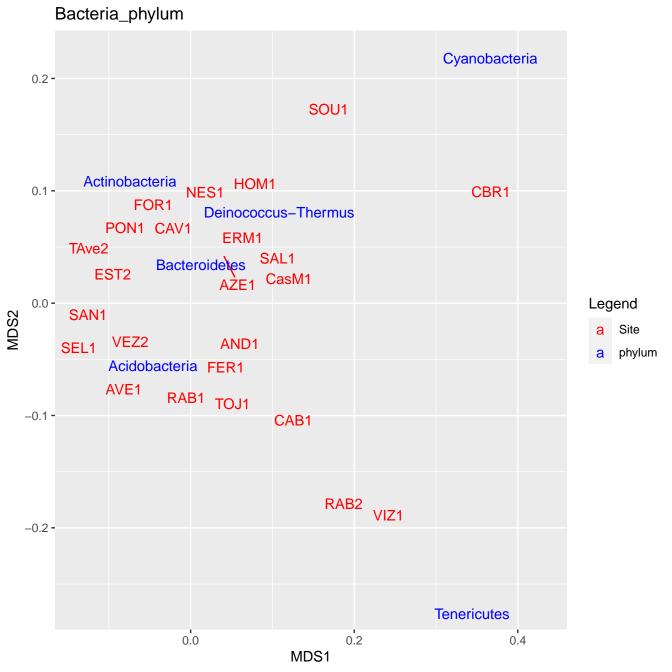
Bacteria_family



Legend

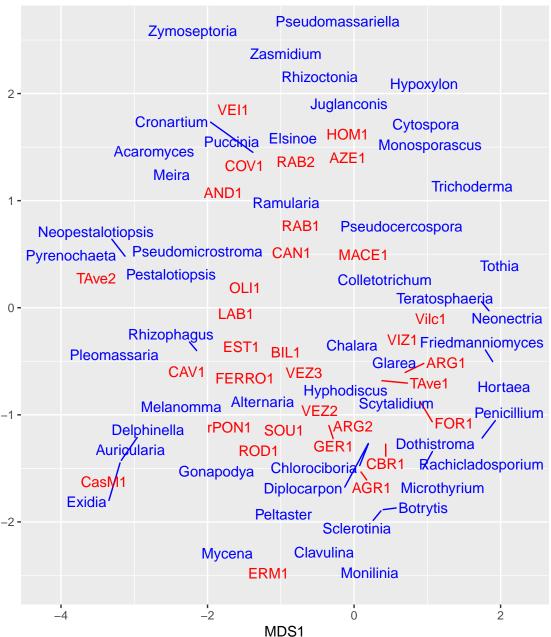
Site

family



Bacteria_class **Mollicutes** 0.25 -Tissierellia CAB1 VIZ1 FOR1 Flavobacteriia AND1 RAB2 Deinococci Erysipelotrichia VIL1 Legend VEI1 CBR₁ Site Ktedonobacteria Oligoflexia Thermoleophilia EST1 VEZ1 class a ARG1 Chitinophagia Chthonomonadetes HOM1 0.00 -Actinomycetia TAve1 AVE1 SAN1 **Opitutae** NES₁ Tepidiformia Ardenticatenia Holophagae Acidobacteriia Caldisericia VEZ3 Chloroflexia SEL1 -0.25 **-Nitrospira** -0.2 0.0 0.2 0.4 MDS₁

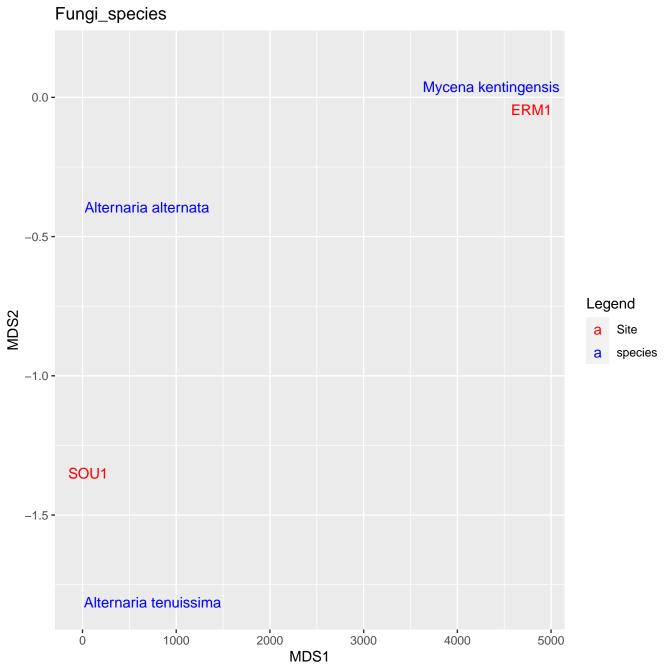
Fungi_genus 2 -



Legend Site

genus

Fungi_order Cystobasidiales 2 -Hysterangiales Georgefischeriales **Jaapiales** Entylomatales Cystofilobasidiales Gomphales VEI1 CasM1 HOM1 Ceraceosorales Corticiales COV₁ **Thelephorales** Geastrales **Filobasidiales** Gloeophyllales Legend **Amylocorticiales** MACE1 0 -Site AGR1 order **Arthoniales** Vilc1 CBR1 Caulochytriales **Ostropales Dimargaritales Thelebolales** Mycocaliciales **Pneumocystidales** AVE1 **Caliciales** Calosphaeriales **Pertusariales** -2 **-**ARG1 Chaetomellales **Neolectales** 2 -1 0 MDS₁



Fungi_family 3 -ERM1 CasM1 Exidiaceae Mycenaceae Auriculariaceae Synchytriaceae Lindgomycetaceae 2 -Hydnaceae Gonapodyaceae Phaeotrichaceae Vilc1 Sympoventuriaceae Microthyriaceae rPON1 **M**xtilinidiaceae Dothioraceae ARG2 Brachybasidiaceae Bionechylinelasympodiaceae Cryptobasidiaceae AND1 Legend Ustilaginaceae AVE1 Site COV₁ Stachybotryaceae family LAB1 SAN1 EST2 Microascaceae Lophiostomataceae PON1 Melanommatac ptococcaceae MACE1 CAB₁ Massarinaceae EST1 VEI1 Orbiliaceae ^{-1 -} Ceratocystidaceaephrinaceae Acrospermaceae Leptosphaeriaceae Pleomassariaceae Phaeosphaeriaceae Cucurbitariaceae Capnodiaceae Serendipitaceae Chytriomycetaceae FOR1 Diversisporaceae _2 **-**MACI1 SOU₁ Aulographaceae Pseudoperisporiaceae Parmeliaceae Phaeomoniellaceae -2 0 2 MDS₁

Fungi_phylum AVE1 CBR1 Ascomycota FOR1 AGR1 0.1 - MACE1 EST₁ AZE1 CAB1 BIL1 EST2 VEZ1 ARG1 SAN1 OLI1 TAve2 AND1 R1 SEL1 HOM1 VEI1 AZE2
TOJ1 AR@3coromycota NES1 SOU1 FER1 SEL1 Olpidiomycota GER1 MOU1 Micros Phaistic ladiomycota VEZ2 LAB1

CAV2 \ RAB2 PON1 Zoopagomycota VIZ1 VEZ3 Legend a Site RAB1 a phylum ERM1 ARG2 Basidiomycota FERRO1 -0.1 **-**COV₁ CAN1 LAM1 ROD1 Chytridiomycota -0.2 rPON1 0.0 0.2 0.4 -0.2 -0.4MDS1

Fungi_class Entorrhizomycetes 3 -VEZ1 Collemopsidiomycetes 2 -FOR1 Candelariomycetes Coniocybomycetes Archaeorhizomycetes Geoglossomycetes Atractiellomycetes MACE1 Legend 1 -Tritirachiomycetes HOM1 Site AVE1 Asellariomycetes Physodermatomycetes ARG2 class TAve2 AGR1 VEzichinomycetes ARG1 ERM1 Moniliellomycetes AZE2 GER1 BIL1 MACI1 SAN1 TOJ1 0 -Geminibasidiomycetes COV₁ ARG3 _1 **-**Spiculogloeomycetes

> 0 MDS1

2

-2