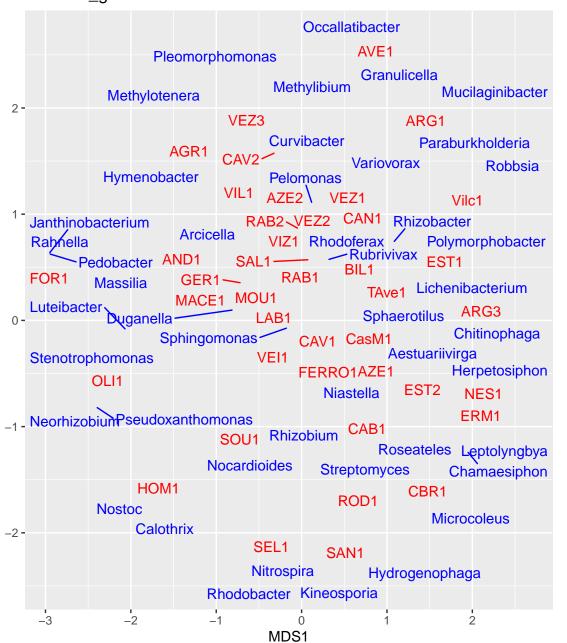
Bacteria_genus

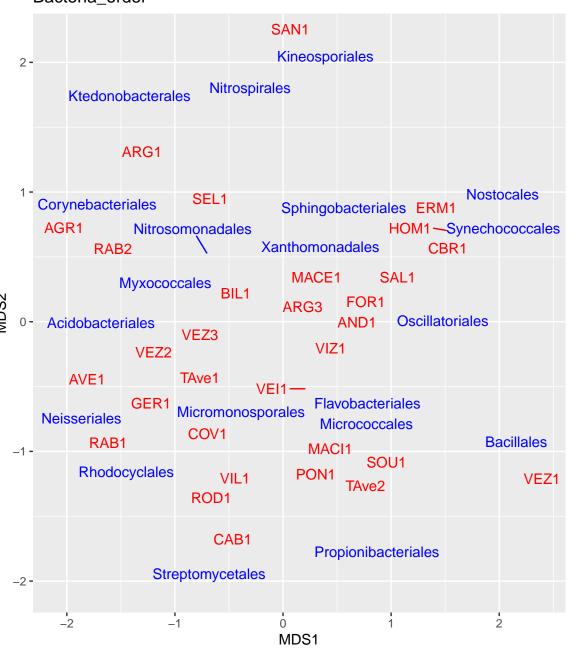


Legend

Site

a genus

Bacteria_order

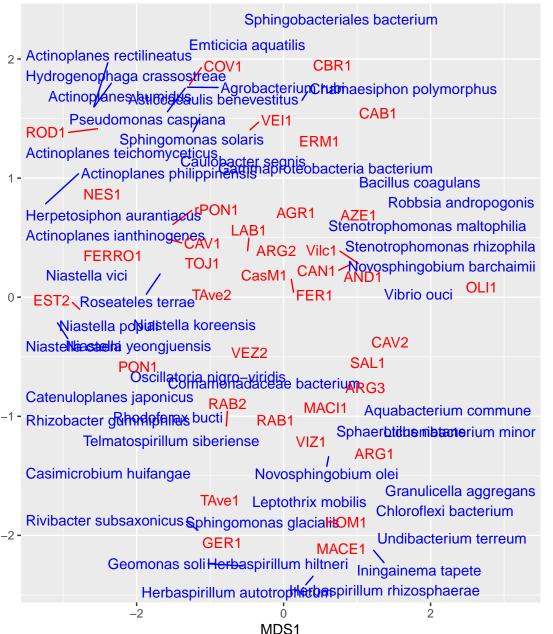


Legend

Site

order

Bacteria_species

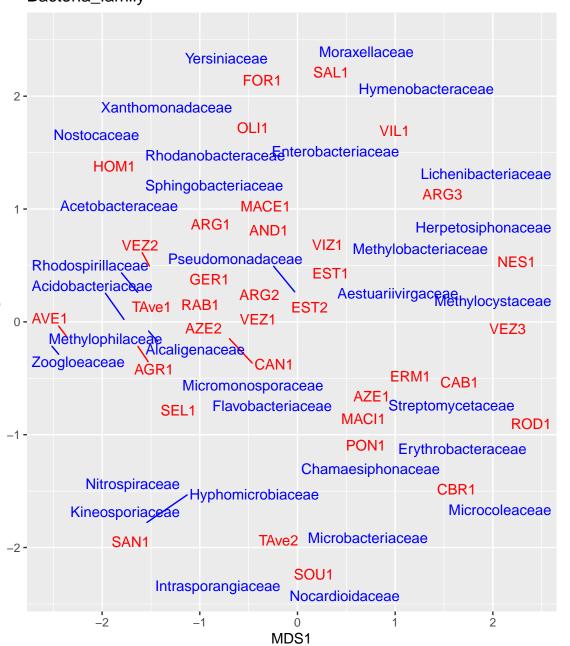


Legend

Site

species

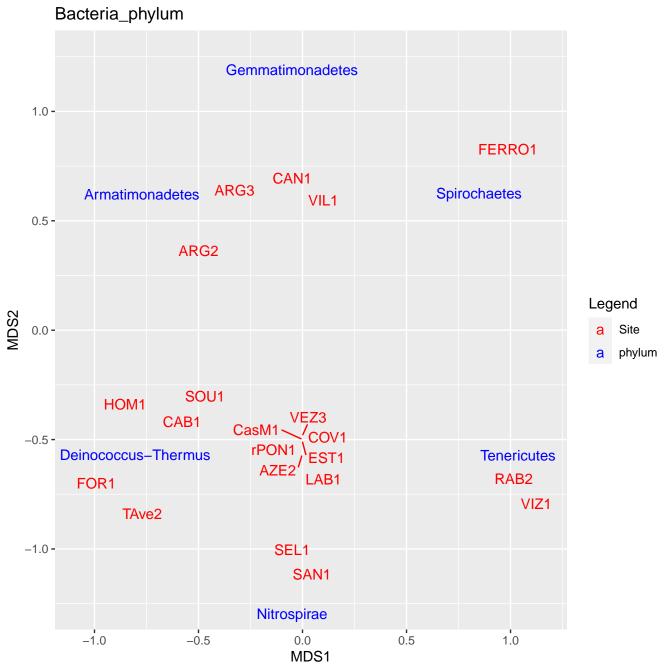
Bacteria_family



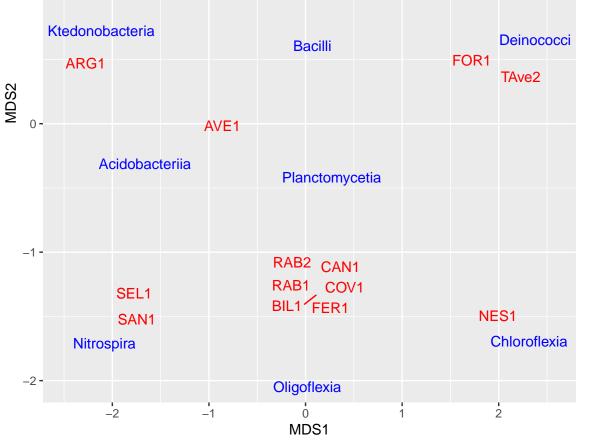
Legend

Site

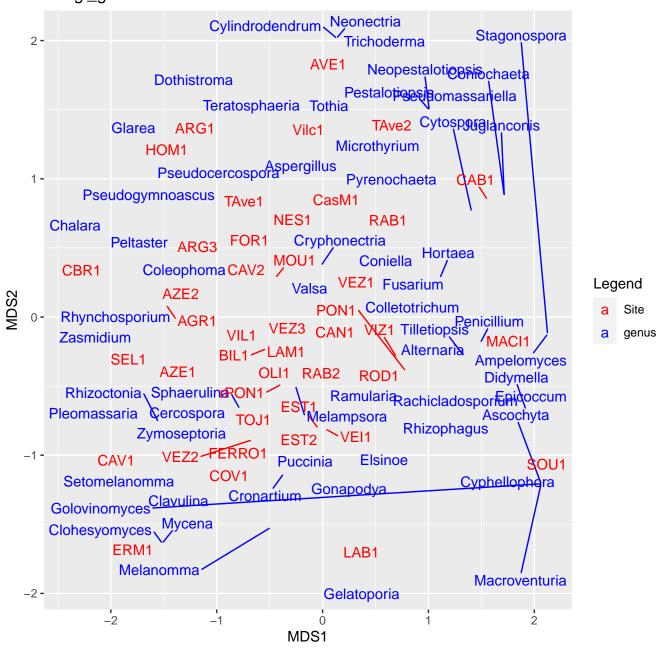
family



Bacteria_class Epsilonproteobacteria Opitutae ROD1 2 -TAve1 rPON1 1 -Ktedonobacteria Deinococci Bacilli FOR1 ARG1 TAve2 Legend Site a AVE1 class Acidobacteriia Planctomycetia

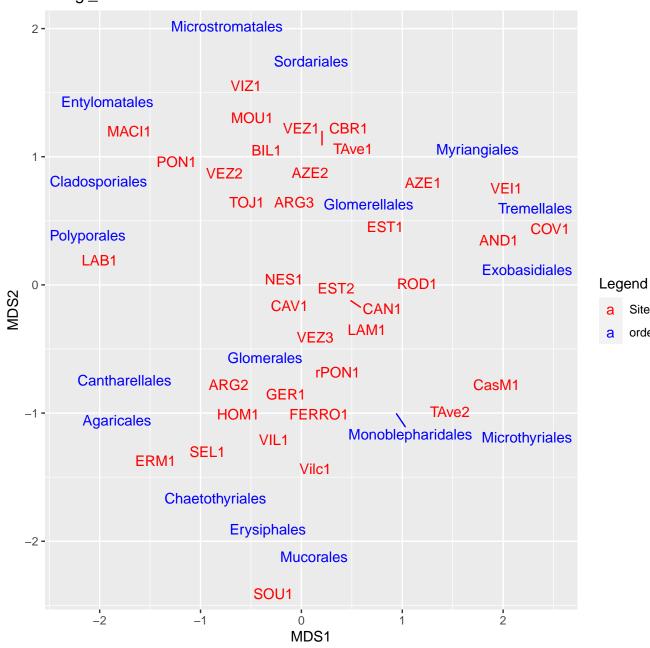


Fungi_genus



Site

Fungi_order



Site

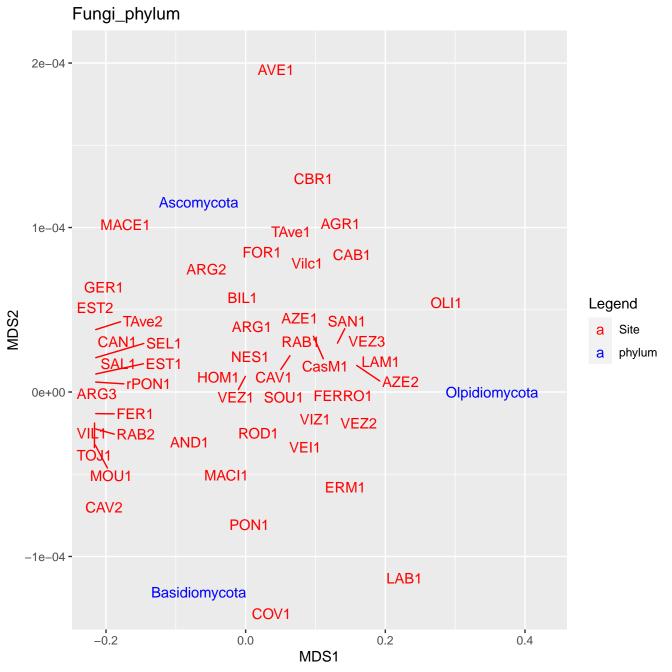
order

Fungi_species Puccinia coron Ruaccinia graminis 2 - Juglanconis juglandinaValsa malicola Setomelanomma holmii CAB1 COV₁ Puccinia striiformis Rhizoctonia solani Valsa sordida Glarea lozoyensis RAB1 RAB2 Glomus cerebriforme Coleophoma crattaistenisucticola Gelatoporia subvermispora-Coleophoma cylindrospora OCHonartium quercuum LAB1 FOR1 Diaporthe helianthi VIZ1 MOU1 GER1 Sphaerulina musiva SEL1 VEZ2 Rhizophagus irregularis rPON1 Hyaloscypha variabilis Rhizophagus clarus Legend 0 -Epicoccum nigruizania empirigonia Site Alternaria a Coppesdepsora europaea species CAV2 Curvularia kusanoi VEI1 EST1 Pleomassaria siparia Cercospora zeae-maydis Zasmidium cellare Elsinoe austral 1 Tilletiopsis washingtonensis TAve1 PON₁ MACI1 Elsinoe fawcettii Dothistroma septosporum Alternaria tenuissima Vilc1 Fusarium avenaceum Teratosphaeria nubilos Pelphinella strobiligena Alternaria alternata Tothia fuscella Hortaea werneckii -2 **-**

MDS₁

Fungi_family Didymosphaeriaceae Erysiphaceae SOU₁ Herpotrichiellaceae 2 -Juglanconidaceae Pseudeurotiaceae Elsinoaceae Microthyriaceae HOM1 Cladosporiaceae Gonapodyaceae ROD1 CAB1 Melanommataceae -Massarinaceae CAV2 EST1 PON₁ CasM1 LAB1 bidymellaceae MACI1 FERRO1 EST2 Melampsoraceae Phaeosphaeriadeae TAve1 COV1Leptosphaeriaceae AZE1 ARG3 **Pucciniaceae** rPON1 Mycenaceae Legend 0-ERM1 Lindgomycetaceae TOJ1 FER1 Coleosporiaceae Site Hydnaceae RAB2 family VEZ2 MOU1 Myxotrichaceae OLI1 RAB1 Hypoxylaceae Schizoparmaceae _1 **-**NES1 Pseudomassariaceae Glomerellaceae Sporocadaceae Pleomassariaceae Vilc1 Cucurbitariaceae SEL1 -2 **-**Cylindrosympodiaceae Ophiocordycipitaceae Ceratobasidiaceae Clavicipitaceae Hypocreaceae AVE1 -1

MDS1



Fungi_class Microbotryomycetes Ustilaginomycetes GER1 AND1 2 -**Taphrinomycetes** EST1 PON1-/ARG1 1 -Tremellomycetes RAB2 ARG3 MACE1 ARG2 Legend 0 -Orbiliomycetes Lecanoromycetes AVE1 Site **Dacrymycetes** CAV2 FOR1 \ CAB1 class CBR1 EST2 TAve1 CAN₁ Monoblepharidomycetes Pezizomycetes _1 **-**Mucoromycetes -2 **-**ERM1 -3 **-**Mortierellomycetes 2 -2

MDS1