Venn Diagram Fungi. Common ASVs and taxonomic affiliation according Silva database

ACP: Cueva de Perez terraces

AR: Amarillo River

FeEC: Fe(II) enrichment cultures

ACP-AR-FeEC

35 ASVs

Rhodotorula (2 ASVs), *Vishniacozyma*, *Naganishia*, *Bjerkandera*, unknown Fungi (2 ASVs), *Debaryomyces* (2 ASVs), *Coronicium*, *Microdochium*, *Sporothrix*, *Simplicillium*, *Leptobacillium*, unknown Sordariomycetes, *Cladosporium*, *Acrodontium*, *Fodinomyces*, *Verrucoconiothyrium*, *Alternaria*, *Knufia*, *Aspergillus*, *Penicillium* (5 ASVs), *Talaromyces* (2 ASVs), unknown Helotiales (2 ASVs), *Acidea*, unknown Ascomycota, *Acarospora*, *Talaromyces*, *Coniosporium*.

ACP-AR

16 ASVs

Rhodotorula, *Filobasidium*, unknown Fungi (2 ASVs), *Meyerozyma*, *Peroneutypa*, *Trichoderma*, unknown Capnodiales, unknown Chaetothyriales, *Peyronellaea*, *Leptospora*, unknown Pleosporales, *Aspergillus*, unknown Helotiales (2 ASVs), *Oidiodendron*

ACP-FeEC

21 ASVs

Hohenbuehelia, *Malassezia* (7 ASVs), *Kondoa*, *Phialemonium*, *Peltaster*, *Toxicocladosporium*, *Cladosporium*, *Mycosphaerella*, *Cladosporium*, unknown Fungi, *Neosulcatispora*, *Knufia*, *Aspergillus*, *Penicillium*, unknown Ramalinaceae, *Aureobasidium*

AR-FeEC

4 ASVs

Microsporomyces, *Acidea* (3 ASVs)