Metformin usage

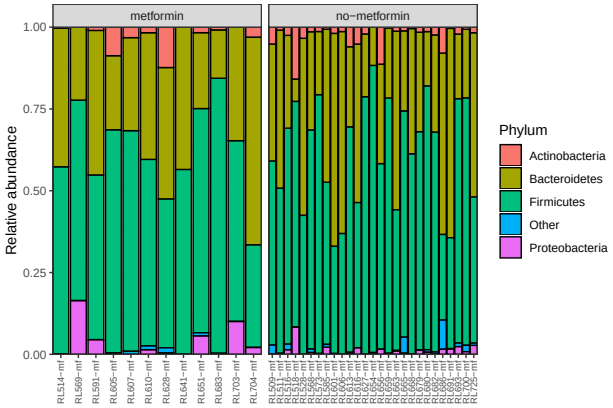
05.05.2023

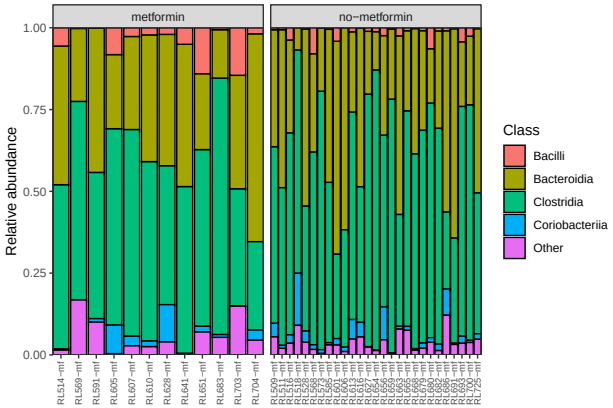
sample	metformin_usage	genre
RL704-mf	metformin	Female
RL514-mf	metformin	Female
RL569-mf	metformin	Female
RL703-mf	metformin	Female
RL587-mf	metformin	NA
RL628-mf	metformin	Female
RL591-mf	metformin	Female
RL651-mf	metformin	Female
RL641-mf	metformin	Male
RL619-mf	metformin	NA
RL599-mf	metformin	NA
RL683-mf	metformin	Female
RL607-mf	metformin	Female
RL605-mf	metformin	Female
RL618-mf	metformin	NA
RL610-mf	metformin	NA
RL598-mf	metformin	NA
RL621-mf	metformin	NA
RL518-mf	no-metformin	Male
RL677-mf	no-metformin	NA
RL679-mf	no-metformin	Female
RL528-mf	no-metformin	Female
RL585-mf	no-metformin	Male
RL691-mf	no-metformin	Female
RL509-mf	no-metformin	Female
RL659-mf	no-metformin	Female
RL668-mf	no-metformin	Female
RL568-mf	no-metformin	Female
RL665-mf	no-metformin	Female
RL654-mf	no-metformin	Male
RL511-mf	no-metformin	Female
RL613-mf	no-metformin	Female
RL656-mf	no-metformin	Female
RL606-mf	no-metformin	Male
RL680-mf	no-metformin	Female
RL686-mf	no-metformin	Male
RL693-mf	no-metformin	Female
RL700-mf	no-metformin	Male
RL638-mf	no-metformin	NA
RL663-mf	no-metformin	Male
RL627-mf	no-metformin	Female
RL601-mf	no-metformin	Male
RL573-mf	no-metformin	Female

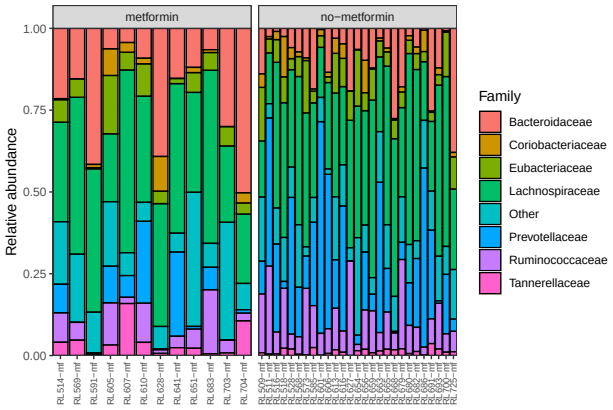
sample	metformin_usage	genre
RL682-mf	no-metformin	Male
RL725-mf	no-metformin	Female
RL516-mf	no-metformin	Female
RL625-mf	no-metformin	NA
RL616-mf	no-metformin	Female

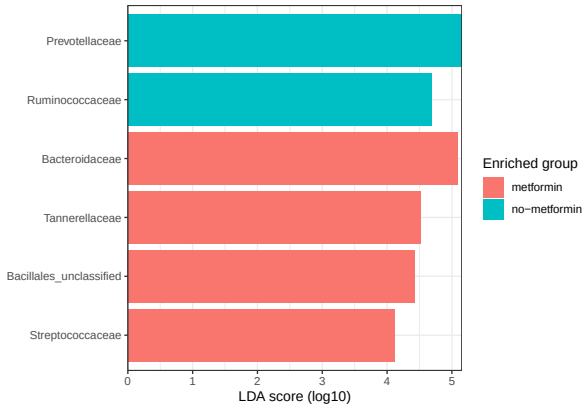
MetaPhlAn3, taxonomía

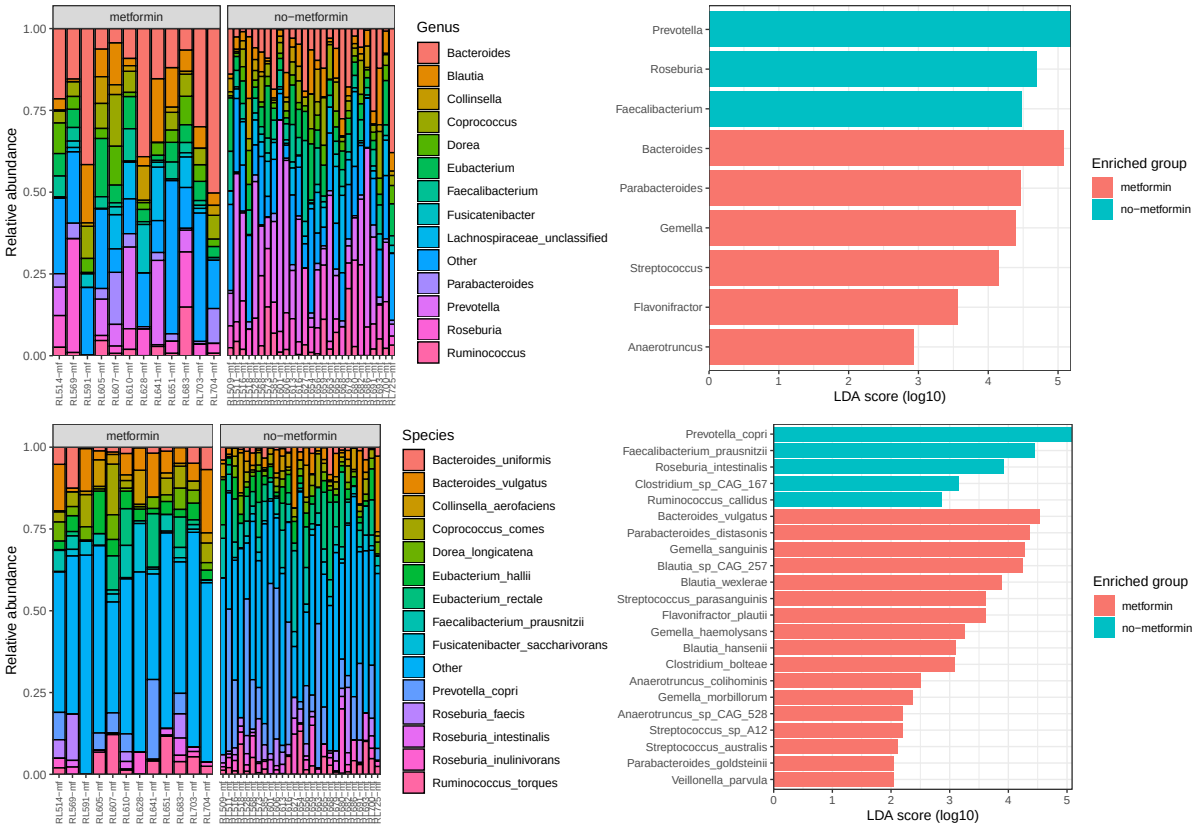
Con todas las muestras comparando “metformin” vs “no-metformin”



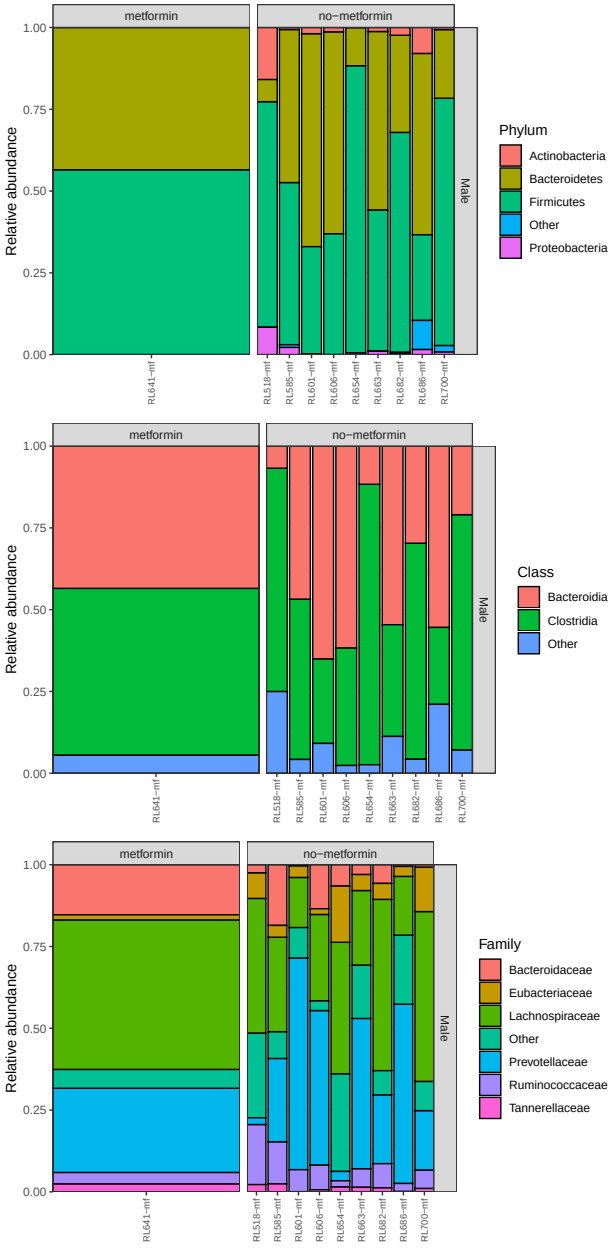


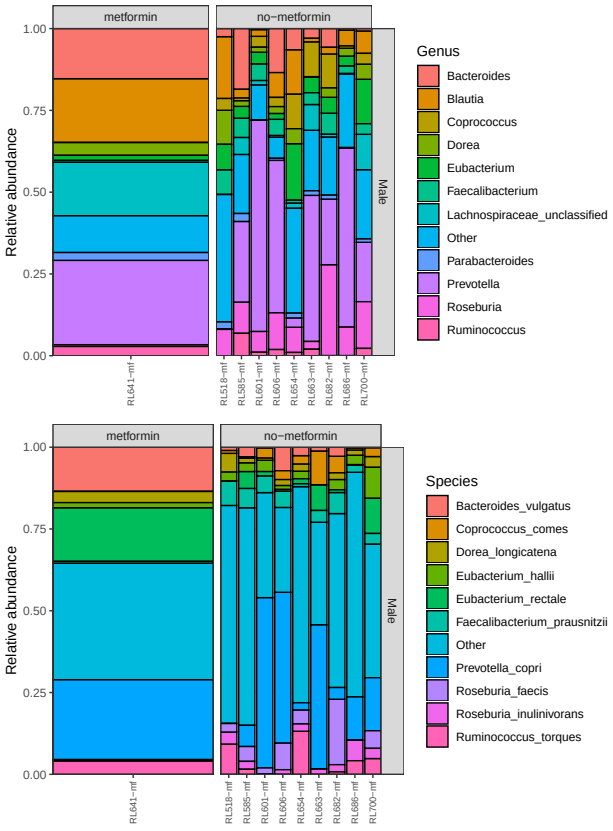




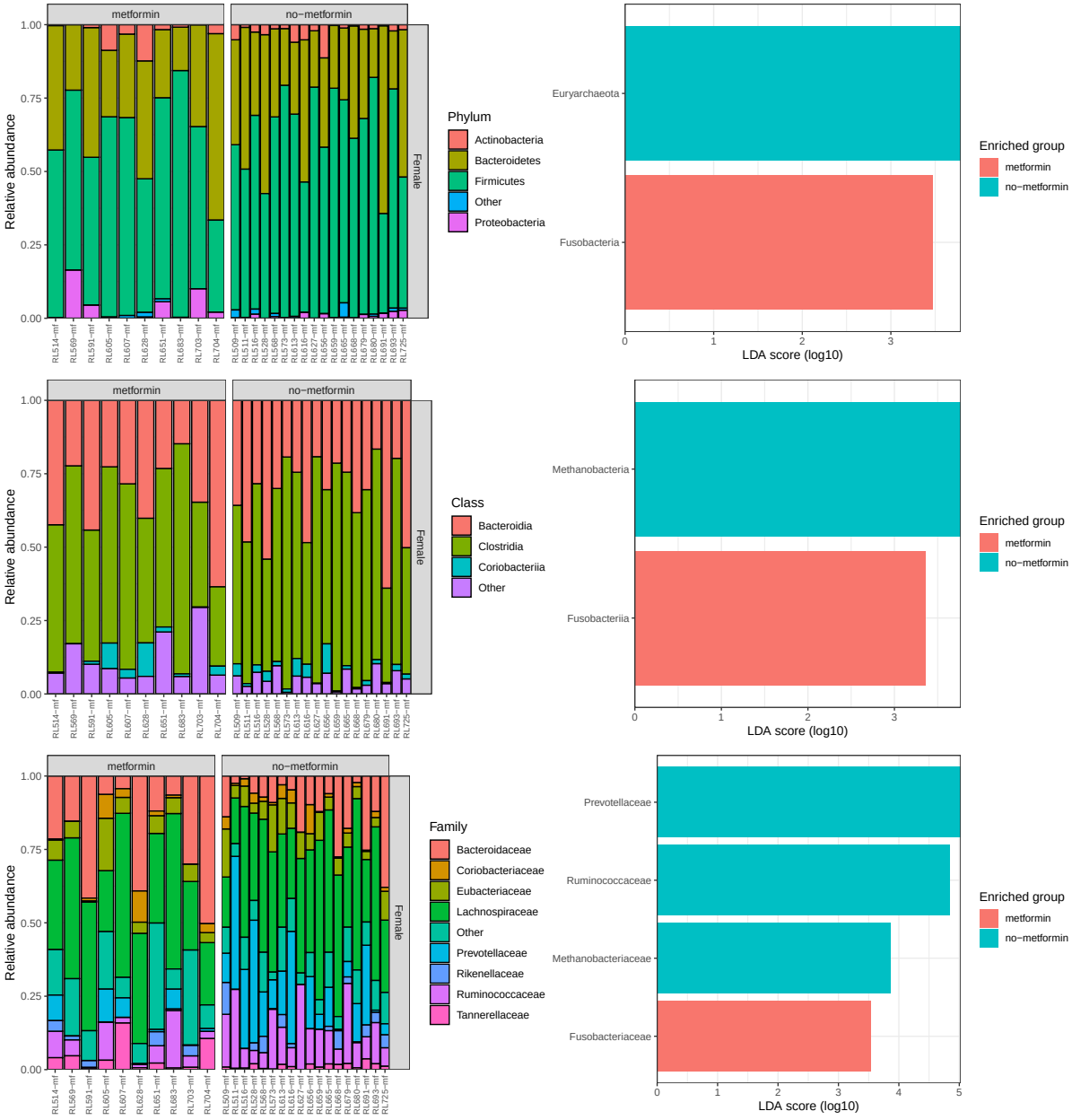

metformin
no−metformin
Relative abundance
1.00
0.75
0.50
0.25
0.00
Genus
Bacteroides
Blautia
Collinsella
Coprococcus
Dorea
Eubacterium
Faecalibacterium
Fusicatenibacter
Lachnospiraceae_unclassified
Other
Parabacteroides
Prevotella
Roseburia
Ruminococcus
Prevotella
Roseburia
Faecalibacterium
Bacteroides
Parabacteroides
Gemella
Streptococcus
Flavonifractor
Anaerotruncus
0
1
2
3
4
5
LDA score (log10)
Enriched group
metformin
no−metformin
metformin
no−metformin
Relative abundance
1.00
0.75
0.50
0.25
0.00
Species
Bacteroides_uniformis
Bacteroides_vulgatus
Collinsella_aerofaciens
Coprococcus_comes
Dorea_longicatena
Eubacterium_hallii
Eubacterium_rectale
Faecalibacterium_prausnitzii
Fusicatenibacter_saccharivorans
Other
Prevotella_copri
Roseburia_faecis
Roseburia_intestinalis
Roseburia_inulinivorans
Ruminococcus_torques
Prevotella_copri
Faecalibacterium_prausnitzii
Roseburia_intestinalis
Clostridium_sp_CAG_167
Ruminococcus_callidus
Bacteroides_vulgatus
Parabacteroides_distasonis
Gemella_sanguinis
Blautia_sp_CAG_257
Blautia_wexlerae
Streptococcus_parasanguinis
Flavonifractor_plautii
Gemella_haemolysans
Blautia_hansenii
Clostridium_bolteae
Anaerotruncus_colihominis
Gemella_morbillorum
Anaerotruncus_sp_CAG_528
Streptococcus_sp_A12
Streptococcus_australis
Parabacteroides_goldsteinii
Veillonella_parvula
0
1
2
3
4
5
LDA score (log10)
Enriched group
metformin
no−metformin

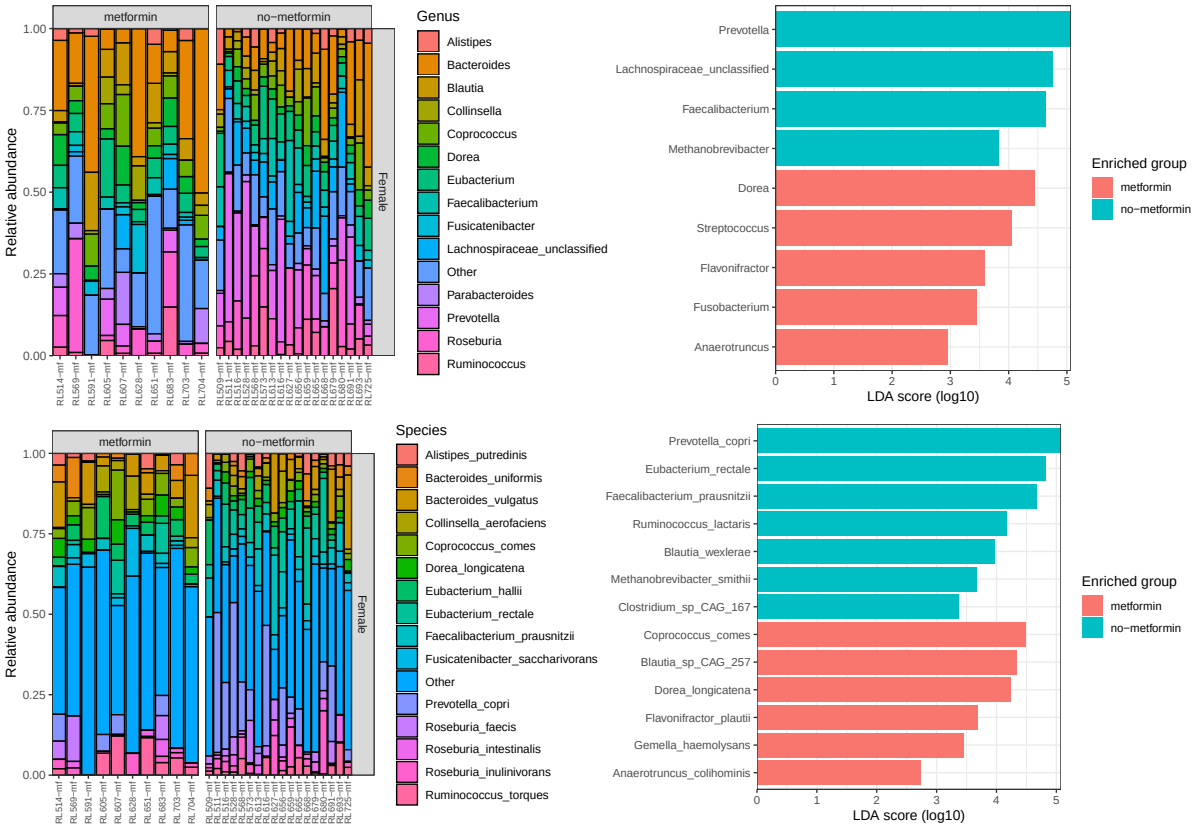
Con todas las muestras comparando "metformin" vs "no-metformin" estratificando por género (Male)




metformin
no−metformin
Male
Relative abundance
1.00
0.75
0.50
0.25
0.00
RL641−mf
RL518−mf
RL585−mf
RL601−mf
RL606−mf
RL654−mf
RL663−mf
RL682−mf
RL686−mf
RL700−mf
Genus
Bacteroides
Blautia
Coprococcus
Dorea
Eubacterium
Faecalibacterium
Lachnospiraceae_unclassified
Other
Parabacteroides
Prevotella
Roseburia
Ruminococcus
Species
Bacteroides_vulgatus
Coprococcus_comes
Dorea_longicatena
Eubacterium_hallii
Eubacterium_rectale
Faecalibacterium_prausnitzii
Other
Prevotella_copri
Roseburia_faecis
Roseburia_inulinivorans
Ruminococcus_torques

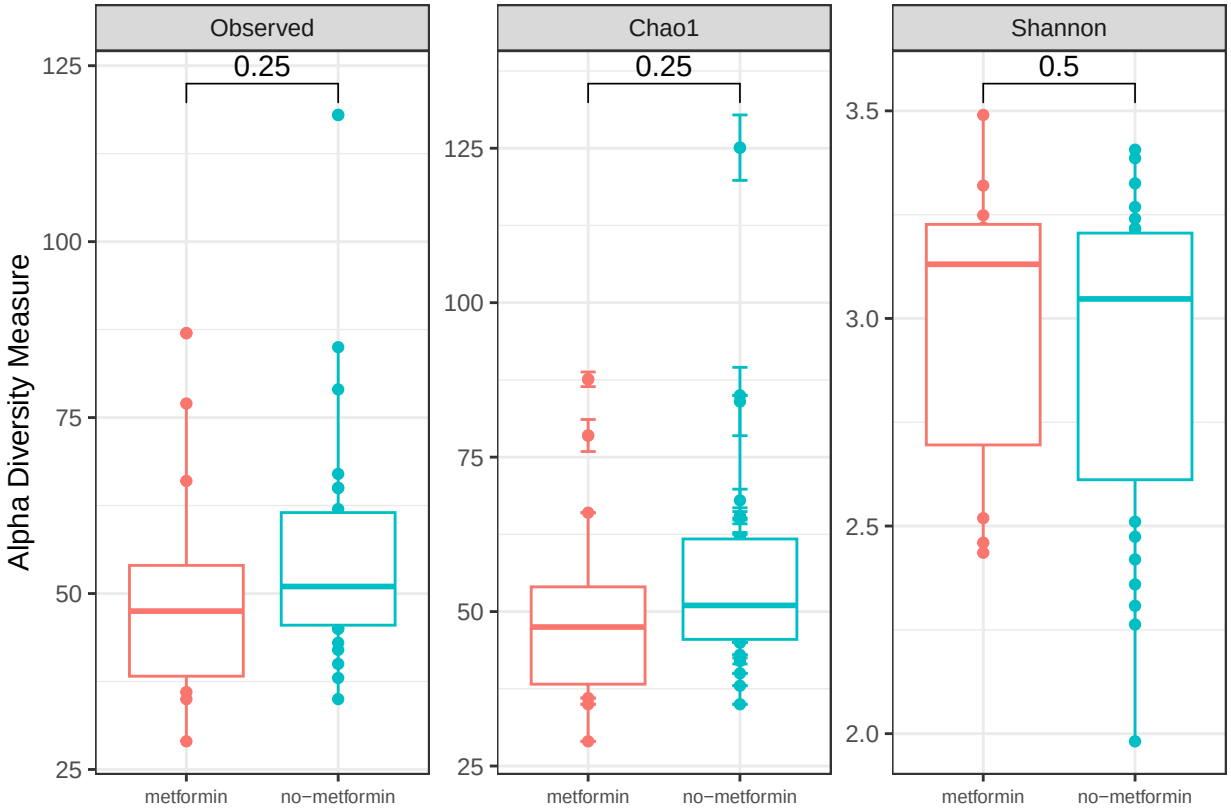
Con todas las muestras comparando “metformin” vs “no-metformin” estratificando por género (Female)



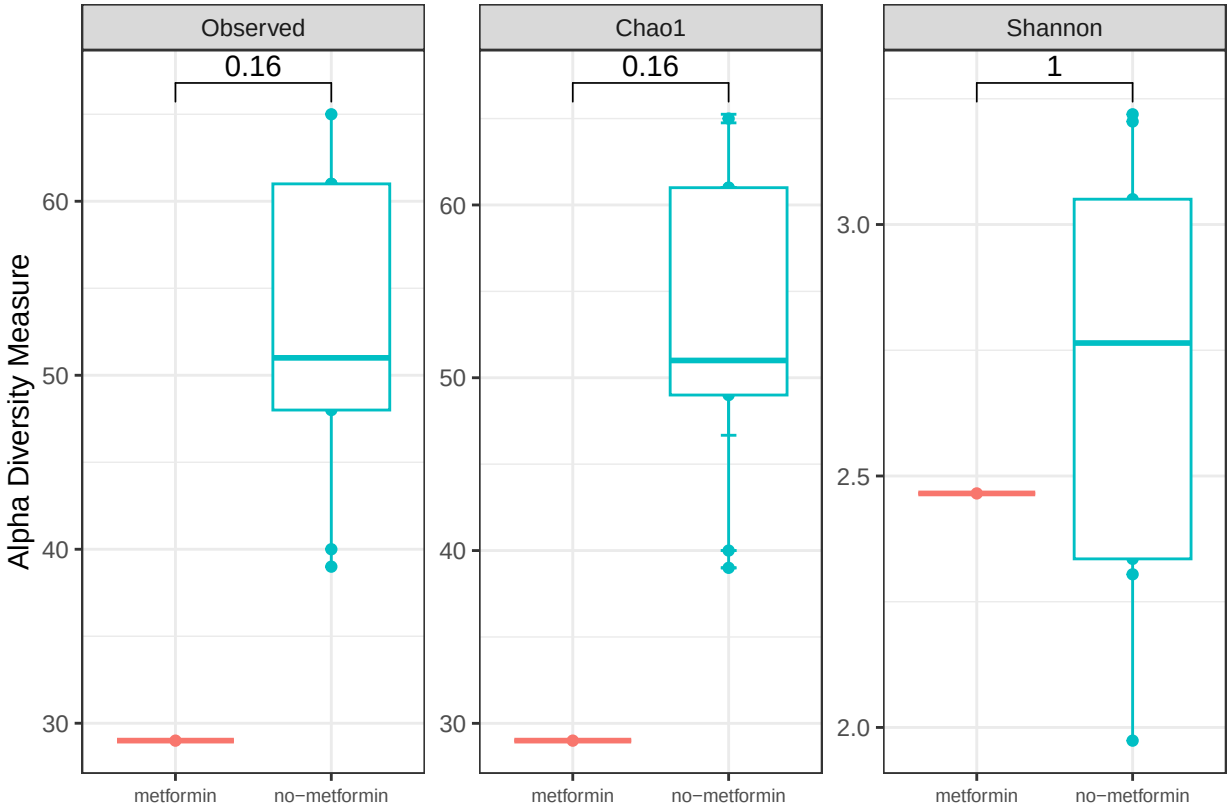

metformin
no−metformin
Female
Relative abundance
1.00
0.75
0.50
0.25
0.00
Genus
Alistipes
Bacteroides
Blautia
Collinsella
Coprococcus
Dorea
Eubacterium
Faecalibacterium
Fusicatenibacter
Lachnospiraceae_unclassified
Other
Parabacteroides
Prevotella
Roseburia
Ruminococcus
Prevotella
Lachnospiraceae_unclassified
Faecalibacterium
Methanobrevibacter
Dorea
Streptococcus
Flavonifractor
Fusobacterium
Anaerotruncus
0
1
2
3
4
5
LDA score (log10)
Enriched group
metformin
no−metformin
Species
Alistipes_putredinis
Bacteroides_uniformis
Bacteroides_vulgatus
Collinsella_aerofaciens
Coprococcus_comes
Dorea_longicatena
Eubacterium_hallii
Eubacterium_rectale
Faecalibacterium_prausnitzii
Fusicatenibacter_saccharivorans
Other
Prevotella_copri
Roseburia_faecis
Roseburia_intestinalis
Roseburia_inulinivorans
Ruminococcus_torques
Prevotella_copri
Eubacterium_rectale
Faecalibacterium_prausnitzii
Ruminococcus_lactaris
Blautia_wexlerae
Methanobrevibacter_smithii
Clostridium_sp_CAG_167
Coprococcus_comes
Blautia_sp_CAG_257
Dorea_longicatena
Flavonifractor_plautii
Gemella_haemolysans
Anaerotruncus_colihominis
0
1
2
3
4
5
LDA score (log10)
Enriched group
metformin
no−metformin

MetaPhlAn3, diversidad alfa

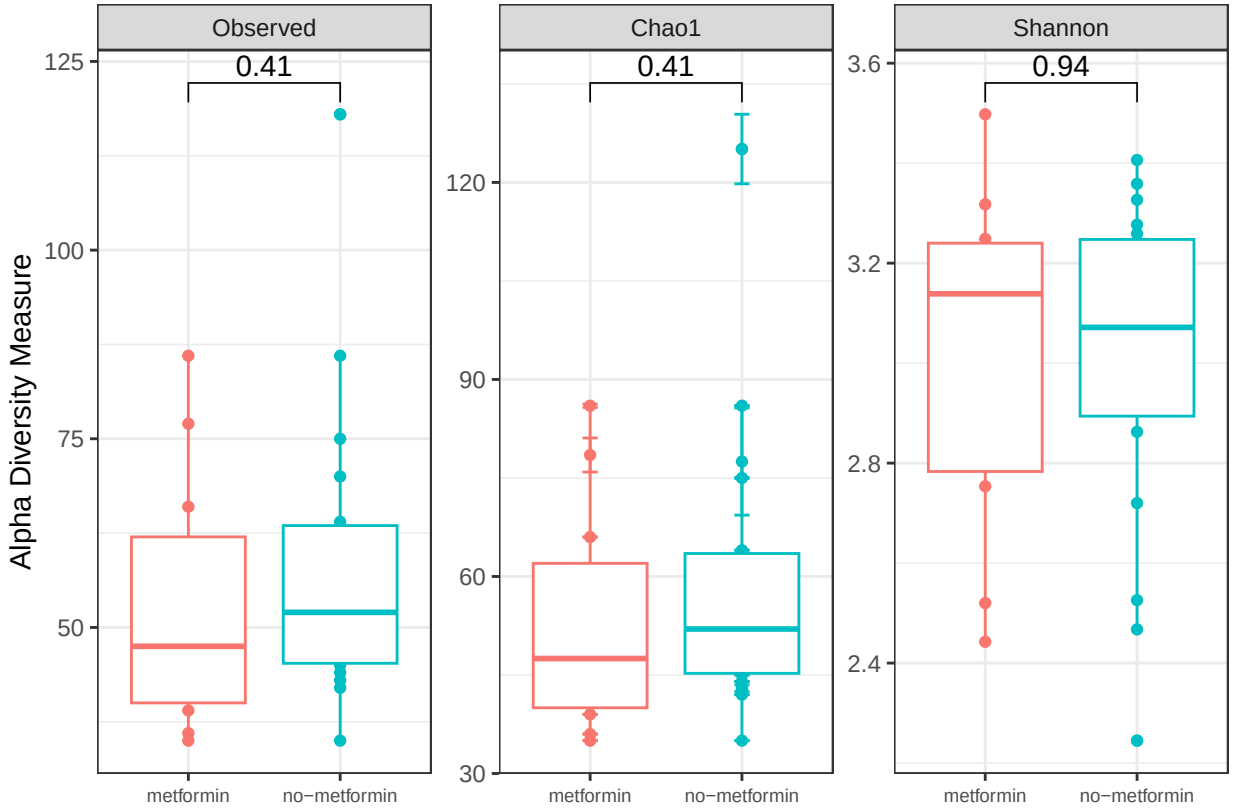
Con todas las muestras comparando “metformin” vs “no-metformin”



Con todas las muestras comparando "metformin" vs "no-metformin" estratificando por género (Male)

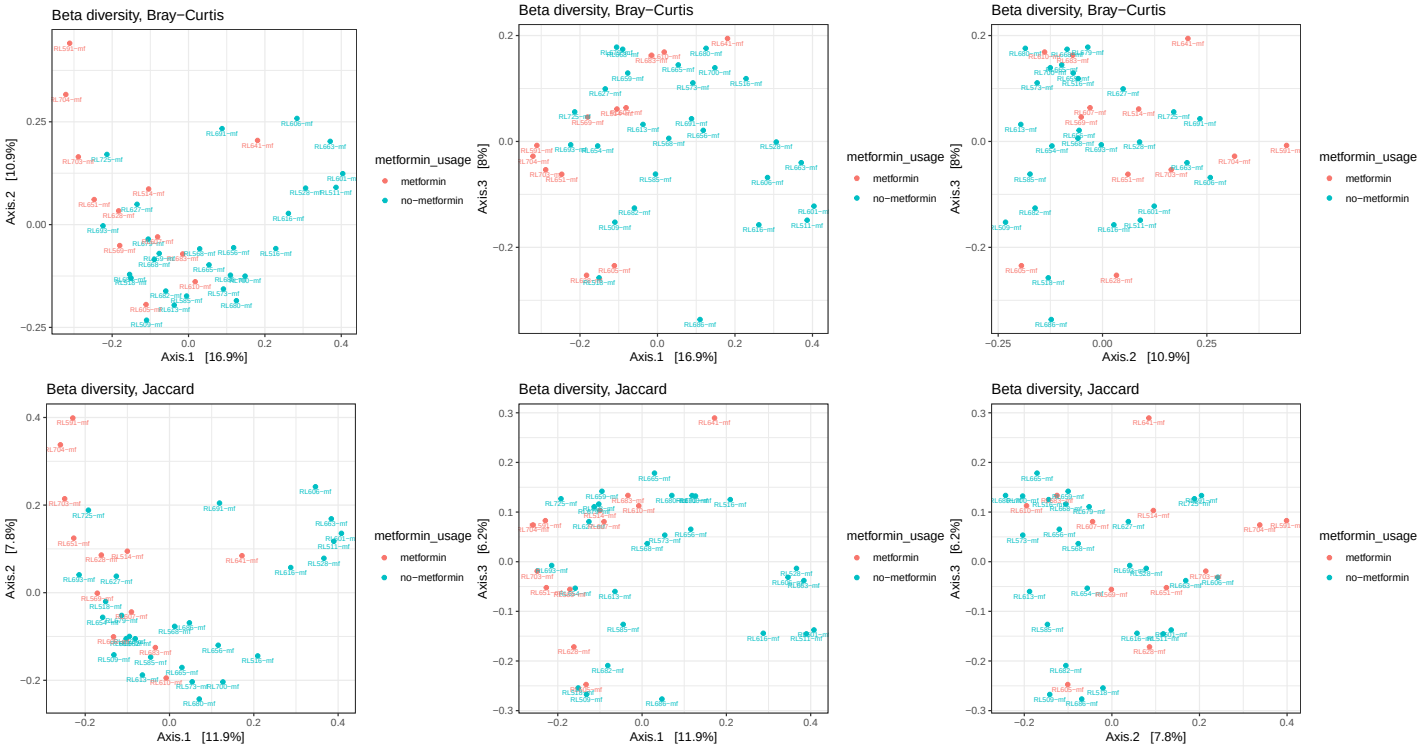


Con todas las muestras comparando "metformin" vs "no-metformin" estratificando por género (Female)

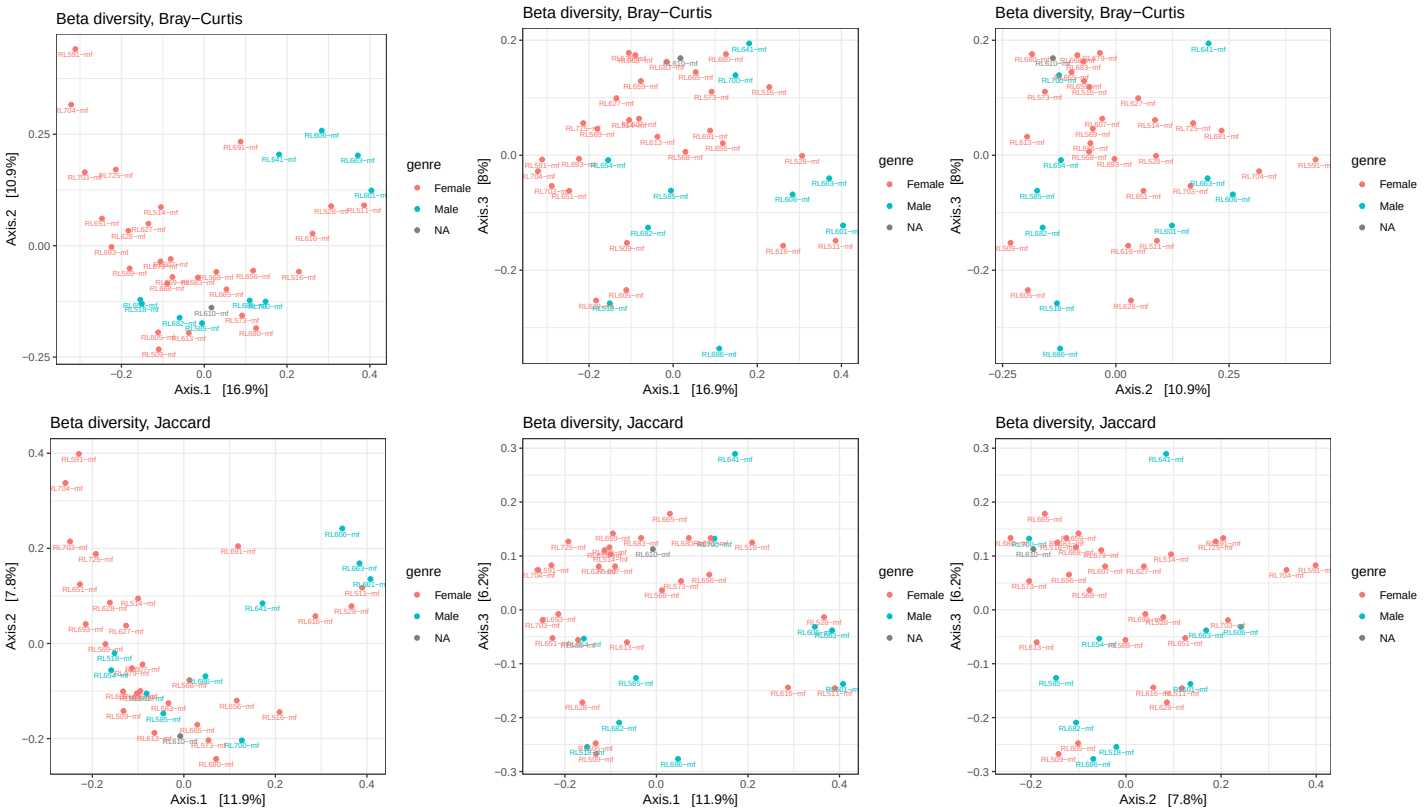


MetaPhlAn3, diversidad beta

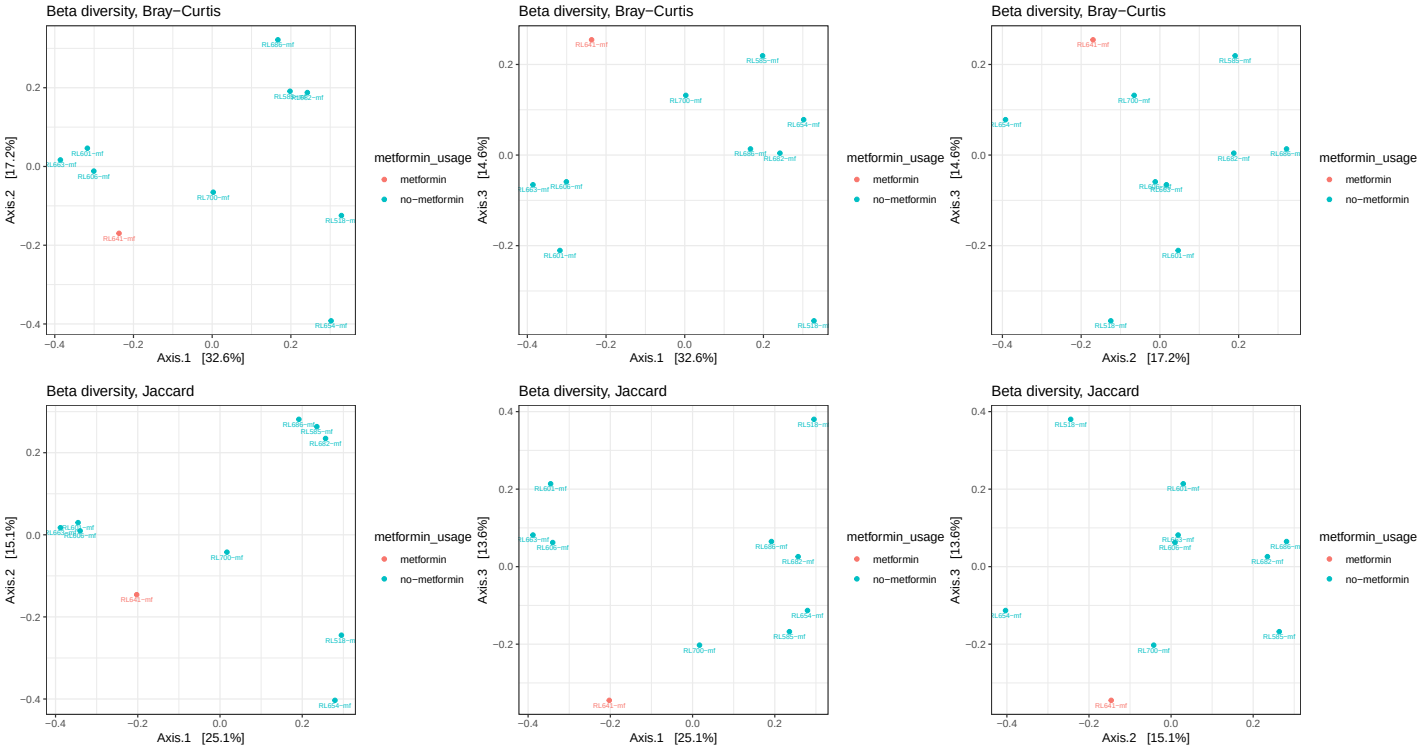
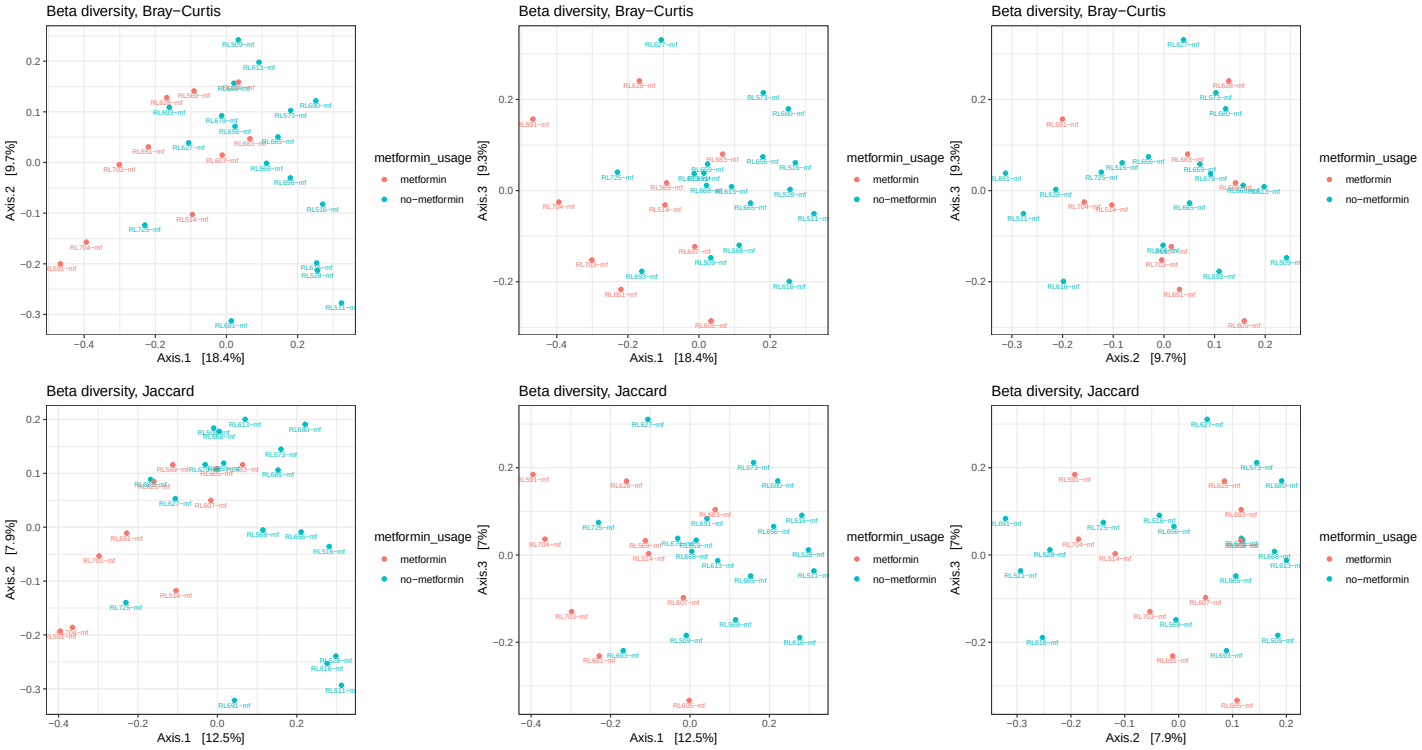
Con todas las muestras comparando “metformin” vs “no-metformin”



Con todas las muestras comparando “metformin” vs “no-metformin” contrastando géneros



Con todas las muestras comparando “metformin” vs “no-metformin” estratificando por género (Male)



Con todas las muestras comparando “metformin” vs “no-metformin” estratificando por género (Female)