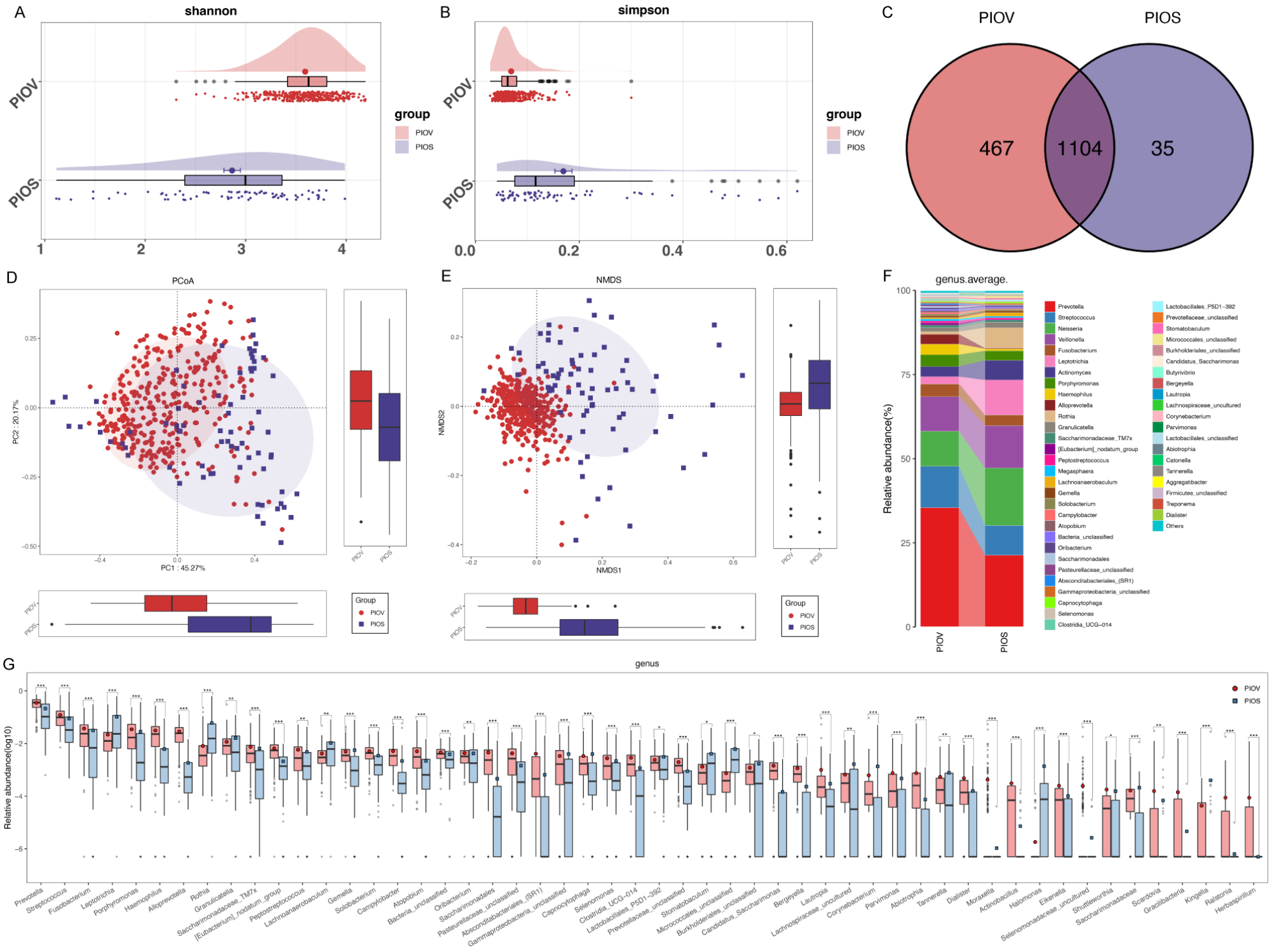
A
shannon
PIOV
PIOS
group
PIOV
PIOS
1
2
3
4
B
simpson
PIOV
PIOS
group
PIOV
PIOS
0.0
0.2
0.4
0.6
C
PIOV
PIOS
467
1104
35
D
PCoA
PC2 : 20.17%
PC1 : 45.27%
PIOV
PIOS
Group
PIOV
PIOS
E
NMDS
NMDS2
NMDS1
PIOV
PIOS
Group
PIOV
PIOS
F
genus.average.
Relative abundance(%)
100
75
50
25
0
PIOV
PIOS
Prevotella
Streptococcus
Neisseria
Veillonella
Fusobacterium
Leptotrichia
Actinomyces
Porphyromonas
Haemophilus
Alloprevotella
Rothia
Granulicatella
Saccharimonadaceae_TM7x
[Eubacterium]_nodatum_group
Peptostreptococcus
Megasphaera
Lachnoanaerobaculum
Gemella
Solobacterium
Campylobacter
Atopobium
Bacteria_unclassified
Oribacterium
Saccharimonadales
Pasteurellaceae_unclassified
Absconditabacteriales_(SR1)
Gammaproteobacteria_unclassified
Capnocytophaga
Selenomonas
Clostridia_UCG-014
Lactobacillales_P5D1-392
Prevotellaceae_unclassified
Stomatobaculum
Micrococcales_unclassified
Burkholderiales_unclassified
Candidatus_Saccharimonas
Butyrivibrio
Bergeyella
Lautropia
Lachnospiraceae_uncultured
Corynebacterium
Parvimonas
Lactobacillales_unclassified
Abiotrophia
Catonella
Tannerella
Aggregatibacter
Firmicutes_unclassified
Treponema
Dialister
Others
G
genus
Relative abundance(log10)
0
-2
-4
-6
PIOV
PIOS
Prevotella
Streptococcus
Fusobacterium
Leptotrichia
Porphyromonas
Haemophilus
Alloprevotella
Rothia
Granulicatella
Saccharimonadaceae_TM7x
[Eubacterium]_nodatum_group
Peptostreptococcus
Lachnoanaerobaculum
Gemella
Solobacterium
Campylobacter
Atopobium
Bacteria_unclassified
Oribacterium
Saccharimonadales
Pasteurellaceae_unclassified
Absconditabacteriales_(SR1)
Gammaproteobacteria_unclassified
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Micrococcales_unclassified
Burkholderiales_unclassified
Candidatus_Saccharimonas
Bergeyella
Lautropia
Lachnospiraceae_uncultured
Corynebacterium
Parvimonas
Abiotrophia
Tannerella
Dialister
Moraxella
Actinobacillus
Halomonas
Eikenella
Selenomonadaceae_uncultured
Shuttleworthia
Saccharimonadaceae
Scardovia
Gracilibacteria
Kingella
Ralstonia
Herbaspirillum