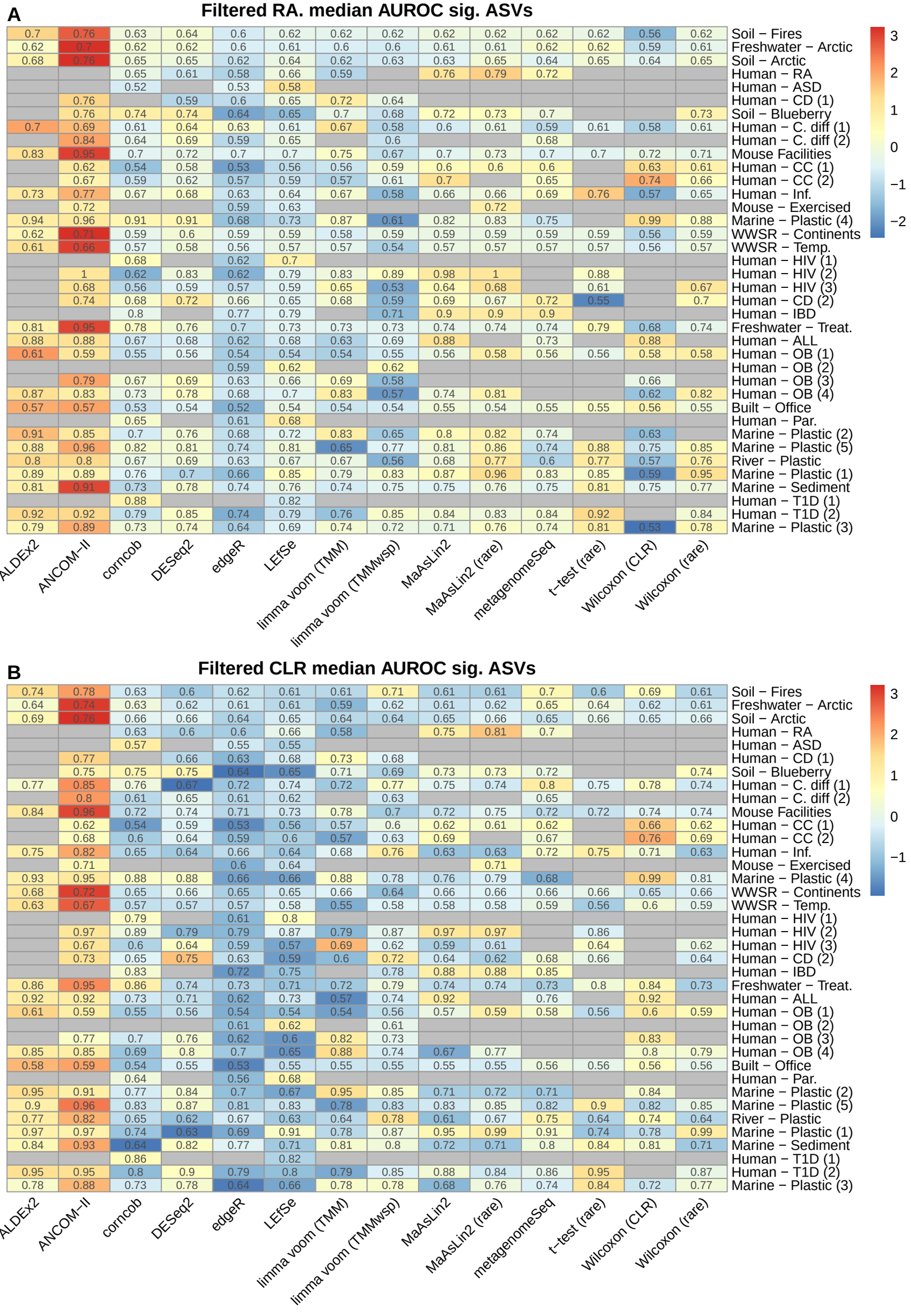
A
Filtered RA. median AUROC sig. ASVs
Soil − Fires
Freshwater − Arctic
Soil − Arctic
Human − RA
Human − ASD
Human − CD (1)
Soil − Blueberry
Human − C. diff (1)
Human − C. diff (2)
Mouse Facilities
Human − CC (1)
Human − CC (2)
Human − Inf.
Mouse − Exercised
Marine − Plastic (4)
WWSR − Continents
WWSR − Temp.
Human − HIV (1)
Human − HIV (2)
Human − HIV (3)
Human − CD (2)
Human − IBD
Freshwater − Treat.
Human − ALL
Human − OB (1)
Human − OB (2)
Human − OB (3)
Human − OB (4)
Built − Office
Human − Par.
Marine − Plastic (2)
Marine − Plastic (5)
River − Plastic
Marine − Plastic (1)
Marine − Sediment
Human − T1D (1)
Human − T1D (2)
Marine − Plastic (3)
3
2
1
0
−1
−2
ALDEx2
ANCOM−II
corncob
DESeq2
edgeR
LEfSe
limma voom (TMM)
limma voom (TMMwsp)
MaAsLin2
MaAsLin2 (rare)
metagenomeSeq
t−test (rare)
Wilcoxon (CLR)
Wilcoxon (rare)
B
Filtered CLR median AUROC sig. ASVs
Soil − Fires
Freshwater − Arctic
Soil − Arctic
Human − RA
Human − ASD
Human − CD (1)
Soil − Blueberry
Human − C. diff (1)
Human − C. diff (2)
Mouse Facilities
Human − CC (1)
Human − CC (2)
Human − Inf.
Mouse − Exercised
Marine − Plastic (4)
WWSR − Continents
WWSR − Temp.
Human − HIV (1)
Human − HIV (2)
Human − HIV (3)
Human − CD (2)
Human − IBD
Freshwater − Treat.
Human − ALL
Human − OB (1)
Human − OB (2)
Human − OB (3)
Human − OB (4)
Built − Office
Human − Par.
Marine − Plastic (2)
Marine − Plastic (5)
River − Plastic
Marine − Plastic (1)
Marine − Sediment
Human − T1D (1)
Human − T1D (2)
Marine − Plastic (3)
3
2
1
0
−1
ALDEx2
ANCOM−II
corncob
DESeq2
edgeR
LEfSe
limma voom (TMM)
limma voom (TMMwsp)
MaAsLin2
MaAsLin2 (rare)
metagenomeSeq
t−test (rare)
Wilcoxon (CLR)
Wilcoxon (rare)