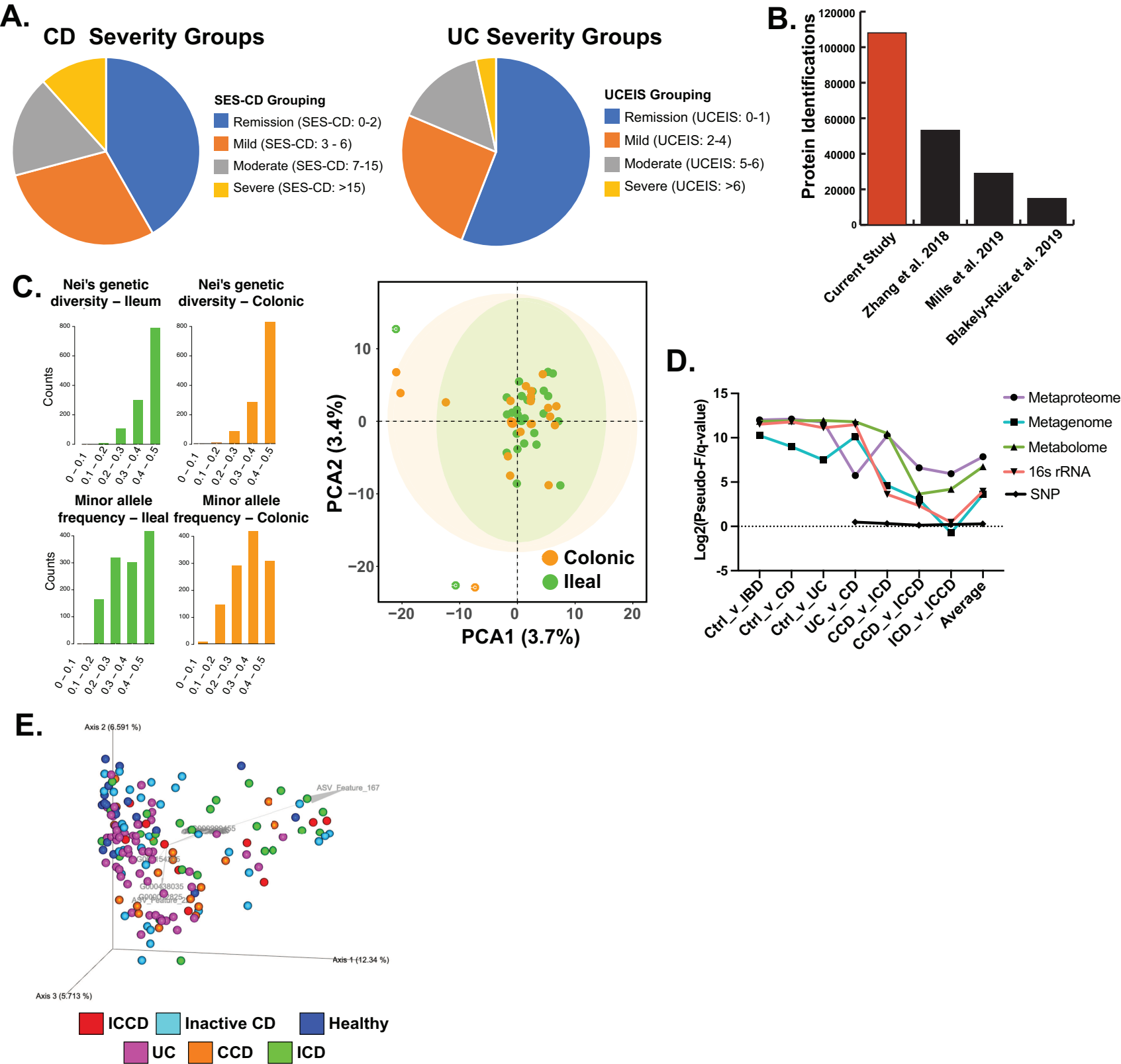
A.
CD Severity Groups
SES-CD Grouping
Remission (SES-CD: 0-2)
Mild (SES-CD: 3 - 6)
Moderate (SES-CD: 7-15)
Severe (SES-CD: >15)
UC Severity Groups
UCEIS Grouping
Remission (UCEIS: 0-1)
Mild (UCEIS: 2-4)
Moderate (UCEIS: 5-6)
Severe (UCEIS: >6)
B.
Protein Identifications
120000
100000
80000
60000
40000
20000
0
Current Study
Zhang et al. 2018
Mills et al. 2019
Blakely-Ruiz et al. 2019
C.
Nei's genetic diversity – Ileum
Nei's genetic diversity – Colonic
Minor allele frequency – Ileal
Minor allele frequency – Colonic
Counts
0 – 0.1
0.1 – 0.2
0.2 – 0.3
0.3 – 0.4
0.4 – 0.5
PCA2 (3.4%)
PCA1 (3.7%)
Colonic
Ileal
D.
Log2(Pseudo-F/q-value)
Metaproteome
Metagenome
Metabolome
16s rRNA
SNP
Ctrl_v_IBD
Ctrl_v_CD
Ctrl_v_UC
UC_v_CD
CCD_v_ICD
CCD_v_ICCD
ICD_v_ICCD
Average
E.
Axis 2 (6.591 %)
Axis 1 (12.34 %)
Axis 3 (5.713 %)
ASV_Feature_167
ICCD
Inactive CD
Healthy
UC
CCD
ICD