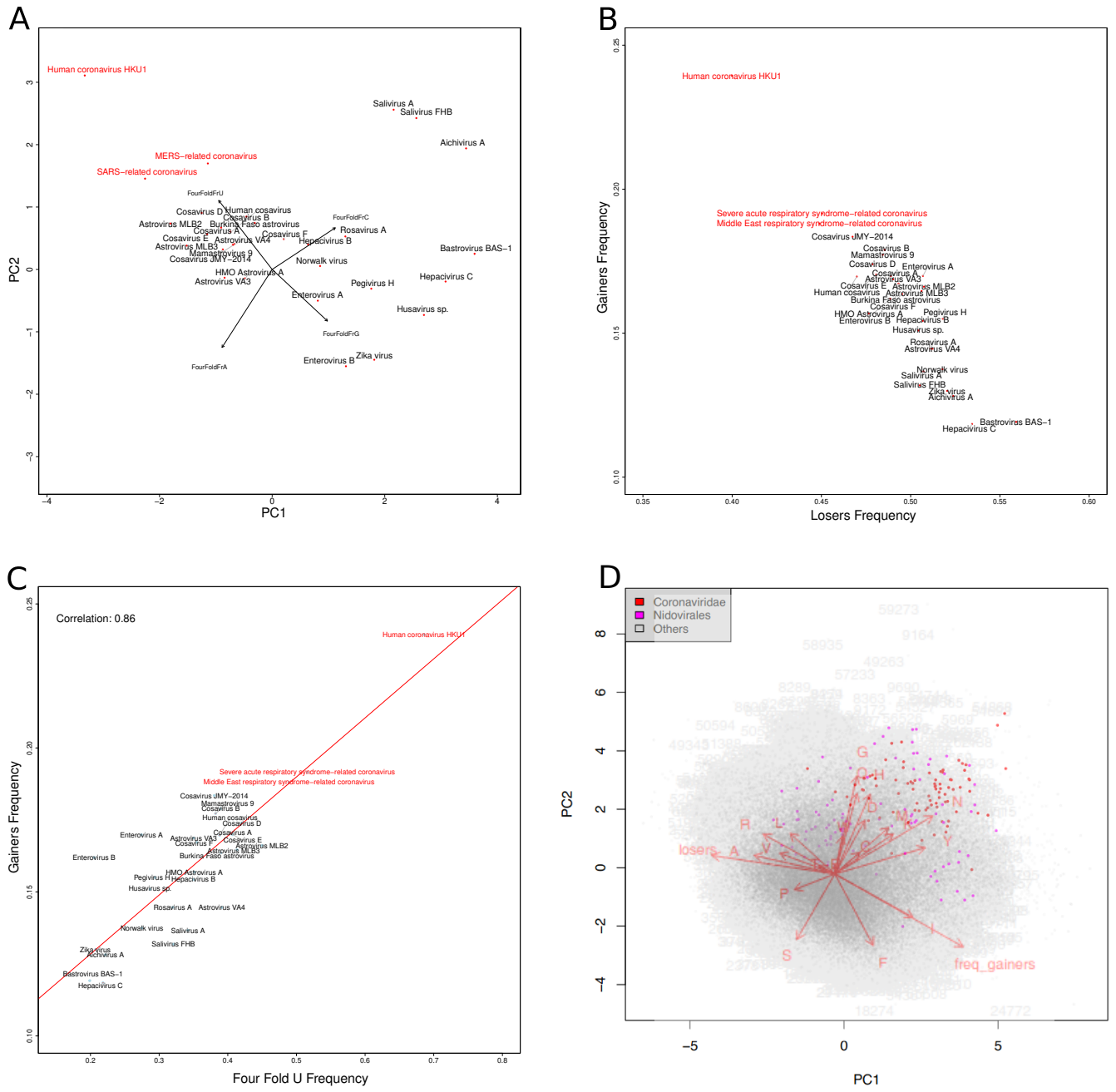
A
Human coronavirus HKU1
Salivirus A
Salivirus FHB
Aichivirus A
MERS−related coronavirus
SARS−related coronavirus
FourFoldFrU
Cosavirus D
Human cosavirus
Cosavirus B
Astrovirus MLB2
Burkina Faso astrovirus
Cosavirus A
Cosavirus E
Astrovirus VA4
Cosavirus F
FourFoldFrC
Hepacivirus B
Rosavirus A
Astrovirus MLB3
Mamastrovirus 9
Cosavirus JMY−2014
Norwalk virus
Bastrovirus BAS−1
HMO Astrovirus A
Astrovirus VA3
Pegivirus H
Hepacivirus C
Enterovirus A
Husavirus sp.
FourFoldFrG
Zika virus
Enterovirus B
FourFoldFrA
PC1
PC2
B
Human coronavirus HKU1
Severe acute respiratory syndrome−related coronavirus
Middle East respiratory syndrome−related coronavirus
Cosavirus JMY−2014
Cosavirus B
Mamastrovirus 9
Cosavirus D
Enterovirus A
Cosavirus A
Astrovirus VA3
Cosavirus E
Astrovirus MLB2
Human cosavirus
Astrovirus MLB3
Burkina Faso astrovirus
Cosavirus F
HMO Astrovirus A
Pegivirus H
Enterovirus B
Hepacivirus B
Husavirus sp.
Rosavirus A
Astrovirus VA4
Norwalk virus
Salivirus A
Salivirus FHB
Zika virus
Aichivirus A
Bastrovirus BAS−1
Hepacivirus C
Gainers Frequency
Losers Frequency
C
Correlation: 0.86
Human coronavirus HKU1
Severe acute respiratory syndrome−related coronavirus
Middle East respiratory syndrome−related coronavirus
Cosavirus JMY−2014
Mamastrovirus 9
Cosavirus B
Human cosavirus
Cosavirus D
Cosavirus A
Enterovirus A
Astrovirus VA3
Cosavirus E
Cosavirus F
Astrovirus MLB2
Astrovirus MLB3
Burkina Faso astrovirus
Enterovirus B
HMO Astrovirus A
Pegivirus H
Hepacivirus B
Husavirus sp.
Rosavirus A
Astrovirus VA4
Norwalk virus
Salivirus A
Salivirus FHB
Zika virus
Aichivirus A
Bastrovirus BAS−1
Hepacivirus C
Gainers Frequency
Four Fold U Frequency
D
Coronaviridae
Nidovirales
Others
losers
freq_gainers
PC1
PC2

Figure 5