a:p\_\_Firmicutes a : p\_Firmicutes
b : g\_norank\_f\_Lachnospiracea

Control NEC LOS

c : g\_\_Mogibacterium

d : f\_\_Peptostreptococcaceae e:g\_\_Peptostreptococcus f:a Peptoclostridium

g : f\_\_Family\_XI\_o\_\_Clostridiales

h:g\_Peptoniphilus

i : g\_\_Anaerococcus j : g\_Helcococcus

k:g\_\_Parvimonas

I:g\_\_Ruminococcaceae\_NK4A214\_group

m:g\_Ruminococcaceae\_UCG\_005

n : c\_\_Bacilli

o : q\_\_Macrococcus p : g\_\_Jeotgalicoccus

q : f\_\_Listeriaceae

r:g\_Brochothrix s:f\_Family\_XII\_o\_Bacillales

t:g\_\_Exiguobacterium

u : f\_\_Aerococcaceae

v:g\_\_norank\_f\_Aerococcaceae

w : g\_\_Facklamia x:f\_\_Carnobacteriaceae

y : g\_\_Carnobacterium

z:g\_norank\_f\_Carnobacteriaceae

a1:f\_Leuconostocaceae

b1:g\_\_Leuconostoc c1 : f\_\_Streptococcaceae

d1 : g\_\_Streptococcus

e1:g\_\_Vagococcus

f1 : f\_\_Lactobacillaceae

g1:g\_Lactobacillus

h1 : p\_\_Actinobacteria

i1:c Actinobacteria i1:o Corvnebacteriales

k1 : f\_\_Corynebacteriaceae

I1:g\_unclassified\_f\_Micrococcaceae

m1:f\_Microbacteriacea

n1:g\_unclassified\_f\_Microbacteriace

o1 : g\_\_Pseudoclavibacter

p1:o\_\_Actinomycetales

q1 : f\_\_Actinomycetaceae r1:g\_\_Trueperella

s1:p\_\_Proteobacteria

t1:c Gammaproteobacteria

u1:o Pseudomonadales

v1 : f\_\_Moraxellaceae

w1 : g\_\_Acinetobacter

x1 : g\_\_Perlucidibaca

y1 : g\_\_Psychrobacter

z1 : g\_\_Enhydrobacter a2 : o\_\_Alteromonadales

b2 : o\_\_Xanthomonadales

c2:f\_Xanthomonadaceae

d2: g\_\_Stenotrophomonas e2:o\_Aeromonadales

f2 : o\_\_Pasteurellales

g2:f\_\_Pasteurellaceae h2:g\_Haemophilus

i2: o\_\_Enterobacteriales i2:f Enterobacteriaceae

k2: g Serratia

I2 : g\_\_Yersinia m2 : g\_\_Klebsiella

n2 : c\_\_Betaproteobacteria

o2 : o\_\_Burkholderiales

p2 : f\_\_Comamonadaceae q2:g\_Polaromonas

r2 : g\_\_Comamonas

s2: g\_\_unclassified\_f\_\_Comamonadaceae t2 : q\_\_Giesbergeria

u2 : g\_\_Delftia

v2 : f\_\_Oxalobacteraceae

w2 : g\_\_Janthinobacterium

x2 : g\_\_Uruburuella y2 : o\_\_Methylophilales

z2 : f\_\_Methylophilaceae

a3:g\_Hydrogenophilus b3 : p\_\_Bacteroidetes

c3:f\_\_Porphyromonadaceae

d3:g\_\_Porphyromonas

e3:f\_Bacteroidaceae

f3:g\_Bacteroides

g3 : c\_\_Sphingobacteriia h3:o\_Sphingobacteriales

i3 : f\_\_Chitinophagaceae

j3 : g\_\_Asinibacterium

k3 : f\_\_Sphingobacteriaceae

l3:g\_\_Sphingobacterium

m3 : c\_\_Flavobacteriia

n3:o\_\_Flavobacteriales

o3:f Flavobacteriaceae

p3 : g Chryseobacterium

q3 : g\_\_Flavobacterium

r3 : g\_\_Myroides s3 : p\_\_Deferribacteres

t3 : c\_\_Deferribacteres

u3 : o\_\_Deferribacterales

v3 : f\_\_Deferribacteraceae

w3:a Mucispirillum

x3:p Fusobacteria

v3:c Fusobacteriia

z3:o Fusobacteriales

a4 : f\_\_Leptotrichiaceae

b4 : g\_\_Caviibacter

c4:f\_Fusobacteriaceae d4: g\_\_Fusobacterium

e4 : p\_\_Tenericutes f4 : c\_\_Mollicutes

g4: o\_\_Mycoplasmatales h4:f\_Mycoplasmataceae

i4 : g\_\_Ureaplasma