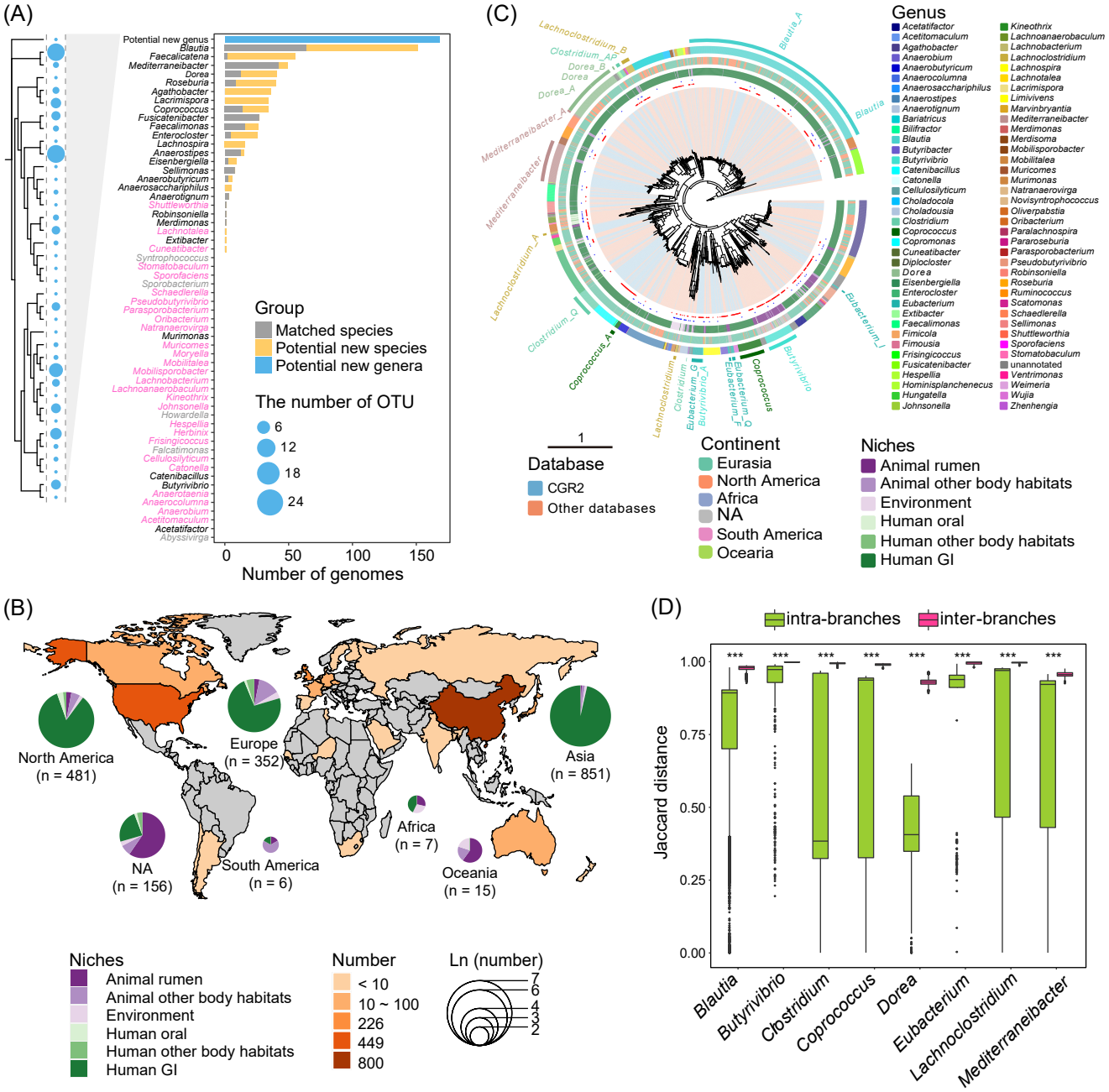
(A)
Potential new genus
Blautia
Faecalicatena
Mediterraneibacter
Dorea
Roseburia
Agathobacter
Lacrimispora
Coprococcus
Fusicatenibacter
Faecalimonas
Enterocloster
Lachnospira
Anaerostipes
Eisenbergiella
Sellimonas
Anaerobutyricum
Anaerosacchariphilus
Anaerotignum
Shuttleworthia
Robinsoniella
Merdimonas
Lachnotalea
Extibacter
Cuneatibacter
Syntrophococcus
Stomatobaculum
Sporofaciens
Sporobacterium
Schaedlerella
Pseudobutyrivibrio
Parasporobacterium
Oribacterium
Natranaerovirga
Murimonas
Muricomes
Moryella
Mobilitalea
Mobilisporobacter
Lachnobacterium
Lachnoanaerobaculum
Kineothrix
Johnsonella
Howardella
Hespellia
Herbinix
Frisingicoccus
Falcatimonas
Cellulosilyticum
Catonella
Catenibacillus
Butyrivibrio
Anaerotaenia
Anaerocolumna
Anaerobium
Acetitomaculum
Acetatifactor
Abyssivirga
Group
Matched species
Potential new species
Potential new genera
The number of OTU
6
12
18
24
0
50
100
150
Number of genomes
(C)
Lachnoclostridium_B
Clostridium_AP
Dorea_B
Dorea
Dorea_A
Mediterraneibacter_A
Mediterraneibacter
Lachnoclostridium_A
Clostridium_Q
Coprococcus_A
Lachnoclostridium
Clostridium
Eubacterium_G
Butyrivibrio_A
Eubacterium_O
Eubacterium_F
Coprococcus
Butyrivibrio
Eubacterium_I
Blautia
Blautia_A
Genus
Acetatifactor
Acetitomaculum
Agathobacter
Anaerobium
Anaerobutyricum
Anaerocolumna
Anaerosacchariphilus
Anaerostipes
Anaerotignum
Bariatricus
Bilifractor
Blautia
Butyribacter
Butyrivibrio
Catenibacillus
Catonella
Cellulosilyticum
Choladocola
Choladousia
Clostridium
Coprococcus
Copromonas
Cuneatibacter
Diplocloster
Dorea
Eisenbergiella
Enterocloster
Eubacterium
Extibacter
Faecalimonas
Fimicola
Fimousia
Frisingicoccus
Fusicatenibacter
Hespellia
Hominisplanchenecus
Hungatella
Johnsonella
Kineothrix
Lachnoanaerobaculum
Lachnobacterium
Lachnoclostridium
Lachnospira
Lachnotalea
Lacrimispora
Limivivens
Marvinbryantia
Mediterraneibacter
Merdimonas
Merdisoma
Mobilisporobacter
Mobilitalea
Muricomes
Murimonas
Natranaerovirga
Novisyntrophococcus
Oliverpabstia
Oribacterium
Paralachnospira
Pararoseburia
Parasporobacterium
Pseudobutyrivibrio
Robinsoniella
Roseburia
Ruminococcus
Scatomonas
Schaedlerella
Sellimonas
Shuttleworthia
Sporofaciens
Stomatobaculum
unannotated
Ventrimonas
Weimeria
Wujia
Zhenhengia
1
Database
CGR2
Other databases
Continent
Eurasia
North America
Africa
NA
South America
Ocearia
Niches
Animal rumen
Animal other body habitats
Environment
Human oral
Human other body habitats
Human GI
(B)
North America
(n = 481)
Europe
(n = 352)
Asia
(n = 851)
NA
(n = 156)
South America
(n = 6)
Africa
(n = 7)
Oceania
(n = 15)
Niches
Animal rumen
Animal other body habitats
Environment
Human oral
Human other body habitats
Human GI
Number
< 10
10 ~ 100
226
449
800
Ln (number)
7
6
4
3
2
(D)
intra-branches
inter-branches
Jaccard distance
1.00
0.75
0.50
0.25
0.00
***
Blautia
Butyrivibrio
Clostridium
Coprococcus
Dorea
Eubacterium
Lachnoclostridium
Mediterraneibacter