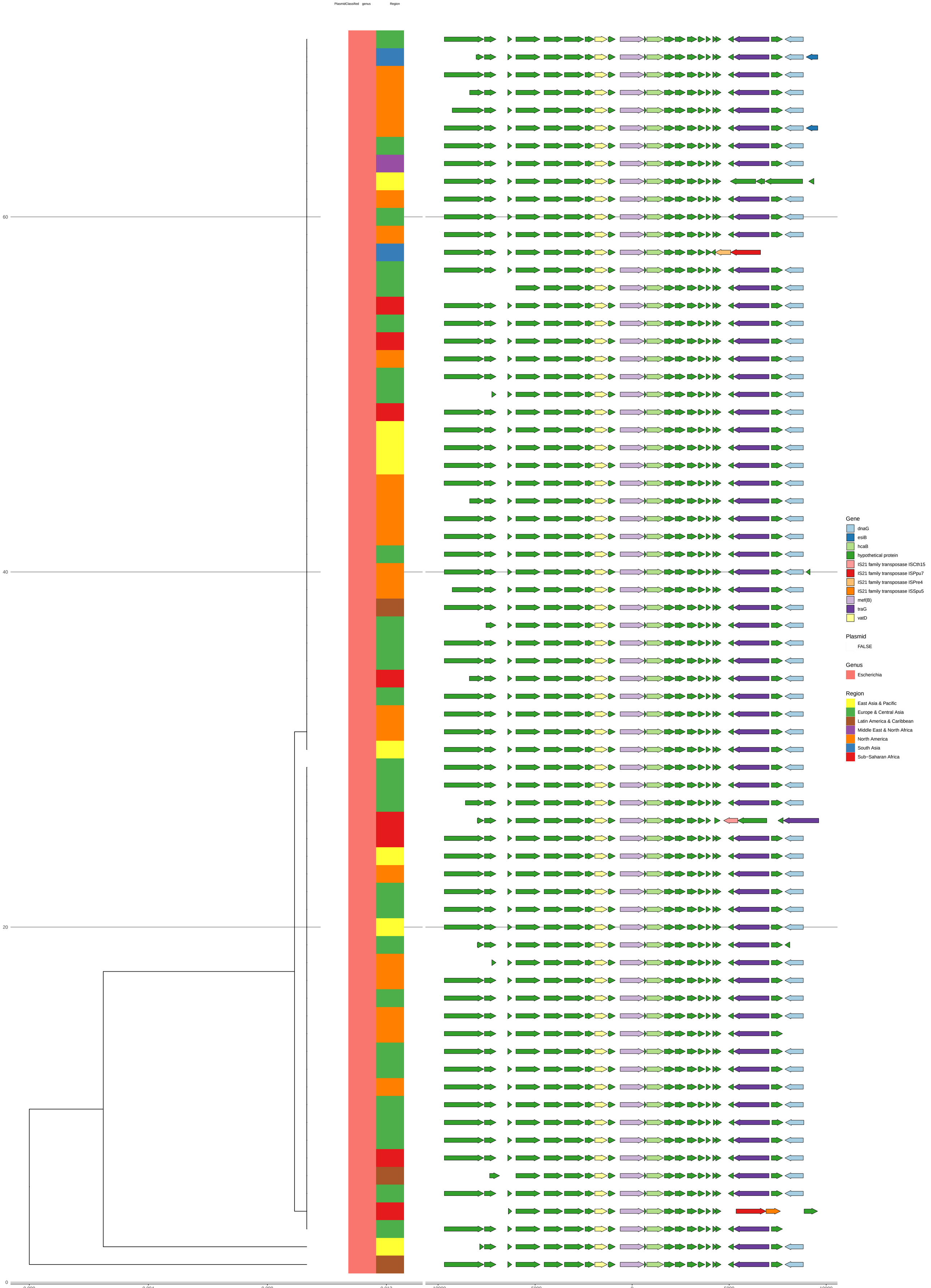

PlasmidClassified
genus
Region
60
40
20
0
0.000
0.004
0.008
0.012
−10000
−5000
0
5000
10000
Gene
dnaG
esiB
hcaB
hypothetical protein
IS21 family transposase ISCth15
IS21 family transposase ISPpu7
IS21 family transposase ISPre4
IS21 family transposase ISSpu5
mef(B)
traG
vatD
Plasmid
FALSE
Genus
Escherichia
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
North America
South Asia
Sub−Saharan Africa

PlasmidClassified genus
Region
60
40
20
0
0.0
0.1
0.2
0.3
0.4
0.5
−10000
−5000
0
5000
10000
Plasmid
FALSE
Genus
Bacteroides
Bifidobacterium
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
North America
South Asia
Sub−Saharan Africa
Gene
bepE
hypothetical protein
macB
mexA
oprM
Other
putative protein
rcsC
tet(Q)
topB
xerC
zraR

PlasmidClassifiedGenus Region

40

30

20

10

0

0.0 0.1 0.2 0.3 0.4 0.5

−10000 −5000 0 5000 10000

Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
South Asia
Sub−Saharan Africa

Genus
Enterococcus
Exiguobacterium
Lactococcus
Salmonella

Plasmid
FALSE
TRUE

Gene
dnaA
dnaC
hypothetical protein
IS1595 family transposase ISCpe8
mef(A)
msr(D)
nfrA1
Other
parA
putative RNA methyltransferase
rhaR
vatD

PlasmidClassified genus Region

30

20

10

0

0.0 0.1 0.2 0.3 0.4

−10000 −5000 0 5000 10000

Region
- East Asia & Pacific
- Europe & Central Asia
- Latin America & Caribbean
- Sub−Saharan Africa

Plasmid
- FALSE
- TRUE

Gene
- dinB
- dnaA
- dnaC
- ermC
- haeIIIM
- hypothetical protein
- IS1595 family transposase ISCpe8
- msr(D)
- Other
- putative RNA methyltransferase
- rhaR
- vatD

Genus
- Enterococcus
- Lactococcus
- Salmonella

PlasmidClassified genus Region

30

20

10

0

0.0 0.1 0.2 0.3

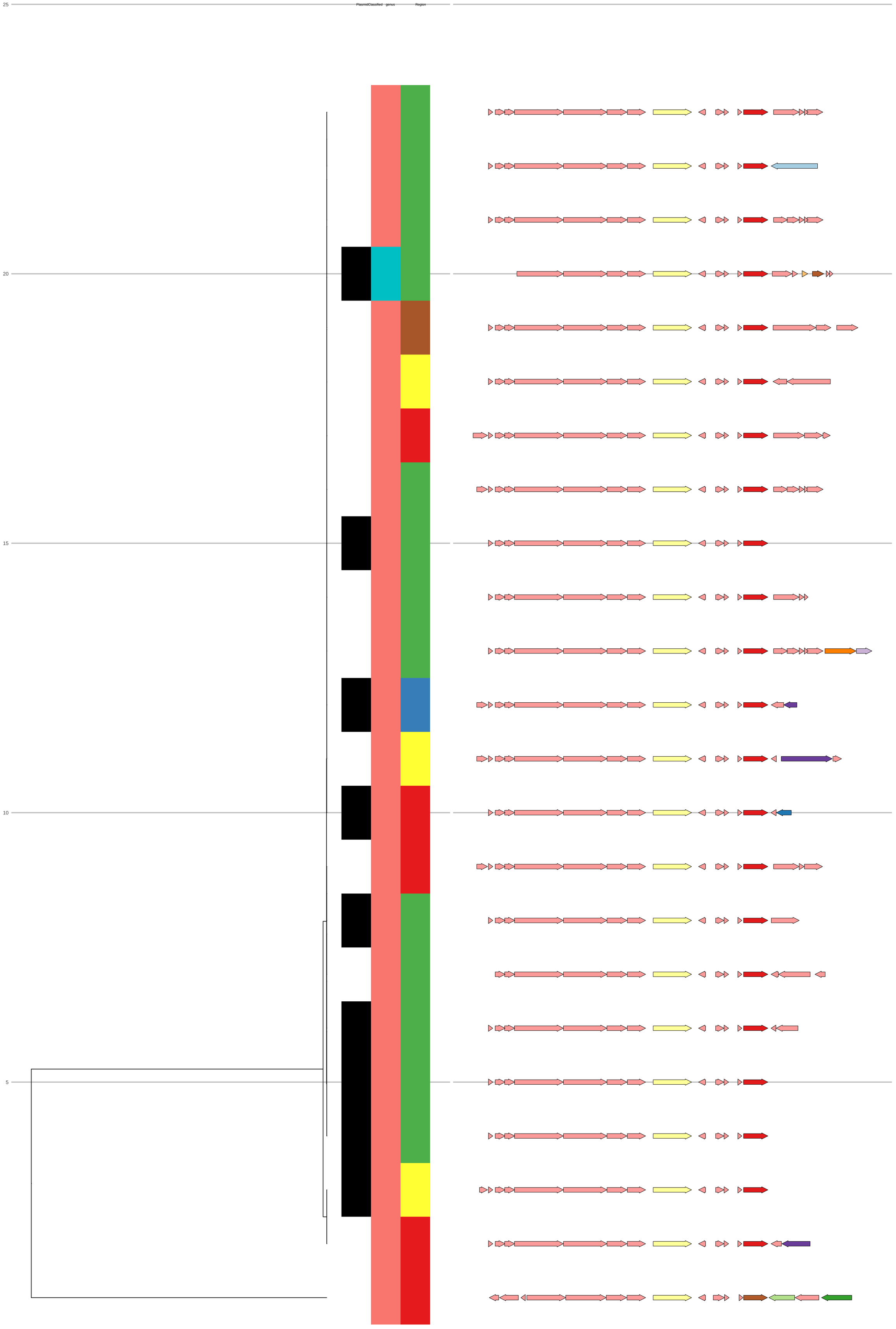
−10000 −5000 0 5000 10000

Plasmid
FALSE

Gene
aadK
ant1
apt
cadA
comR
hypothetical protein
lsa(E)
lspA
Other
rlmCD
tdh
ziaR

Genus
Enterococcus

Region
Europe & Central Asia
Latin America & Caribbean
North America


PlasmidClassified
genus
Region
25
20
15
10
5
0
0.0
0.1
0.2
0.3
0.4
−10000
−5000
0
5000
10000
Genus
Enterococcus
Lactobacillus
Plasmid
FALSE
TRUE
Gene
dbpA
dgaF
guaA
guaB
hypothetical protein
Int−Tn
IS1595 family transposase ISPana1
IS21 family transposase ISPpu7
IS21 family transposase ISSpu5
Other
tet(M)
xerC
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
South Asia
Sub−Saharan Africa

PlasmidClassified genus Region

20

15

10

5

0

0.0 0.1 0.2 0.3

−10000 −5000 0 5000 10000

Plasmid

FALSE

Region

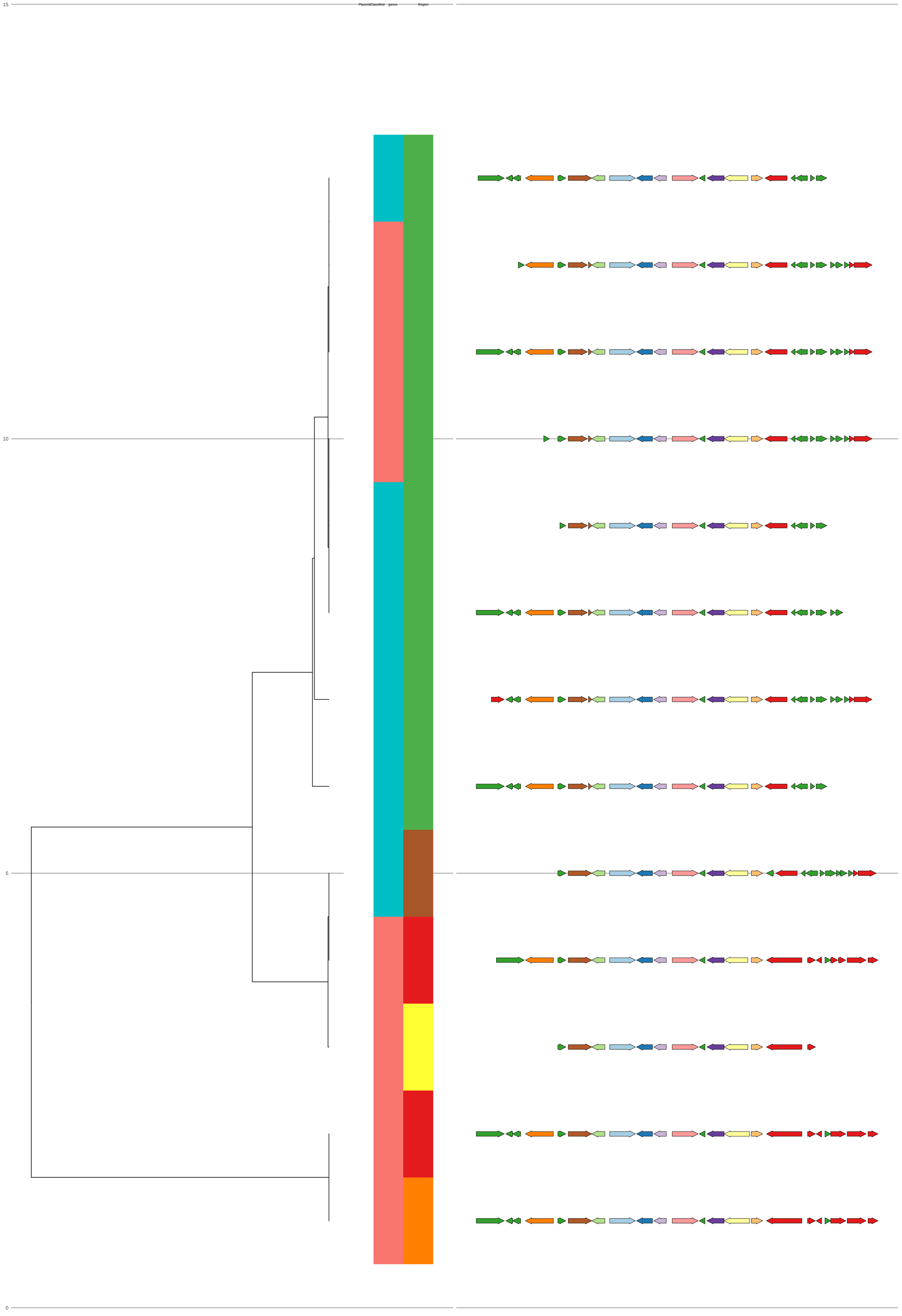
Europe & Central Asia
Latin America & Caribbean
North America
South Asia
Sub−Saharan Africa

Gene

aadK
apt
cadA
comR
hypothetical protein
lnu(B)
lsa(E)
lspA
Other
rlmCD
tdh
ubiE

Genus

Enterococcus


15
PlasmidClassified
genus
Region
10
5
0
0.00
0.05
0.10
0.15
−10000
−5000
0
5000
10000
Plasmid
FALSE
Genus
Escherichia
Peduovirus
Gene
dacC
deoR
gstB
hypothetical protein
mdf(A)
Other
rcdA
rimO
ybjG
ybjI
ybjJ
yliI
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
North America
Sub−Saharan Africa

PlasmidClassified genus Region

7.5

5.0

2.5

0.0

0.0 0.2 0.4 0.6

−10000 −5000 0 5000 10000

Plasmid

FALSE

Region

East Asia & Pacific

Middle East & North Africa

South Asia

Sub−Saharan Africa

Genus

Enterobacter

Escherichia

Klebsiella

Gene

cat

dtpT

guaA

guaB

hypothetical protein

IS3 family transposase ISSty2

marA

nepI

oqxA

Other

pgrR

sasA

8

PlasmidClassified genus Region

6

4

2

0

0.0 0.2 0.4 0.6

−10000 −5000 0 5000 10000

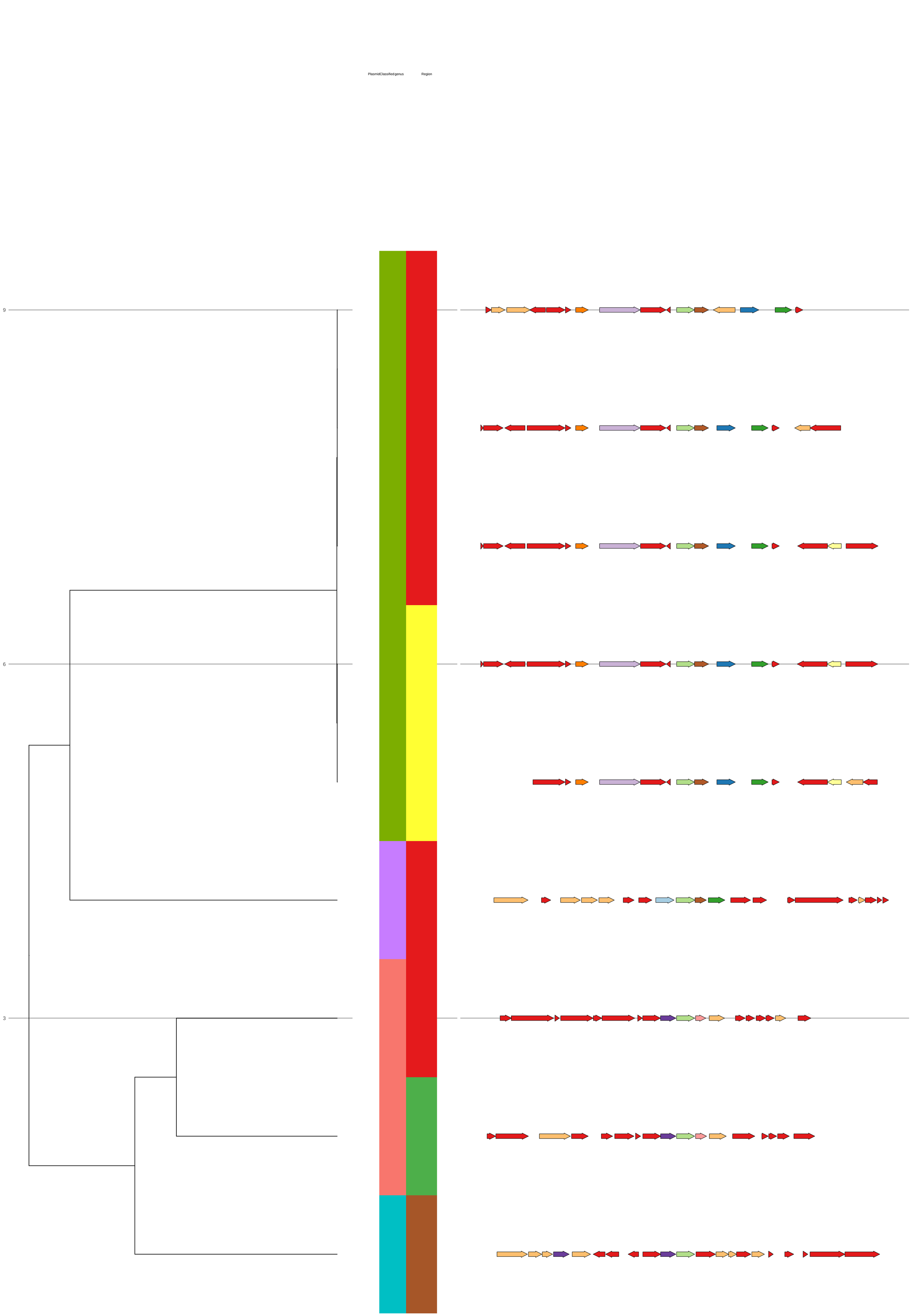
Genus
Enterobacter
Klebsiella
Rahnella

Plasmid
FALSE
TRUE

Gene
aaeA
bepF
cat
dmsD
gcvA
hypothetical protein
IS3 family transposase ISSty2
marA
oqxB
Other
pgrR
ynfE

Region
East Asia & Pacific
Middle East & North Africa
North America
South Asia
Sub−Saharan Africa

PlasmidClassified genus Region



PlasmidClassified genus Region

7.5

5.0

2.5

0.0

0e+00 2e−04 4e−04 6e−04 8e−04

−10000 −5000 0 5000 10000

Gene
- acr3
- arsC
- arsH
- bcr
- bolA
- Cyclic di−GMP phosphodiesterase
- dinJ
- hdfR
- hypothetical protein
- Other
- sul2
- tadA

Plasmid
- FALSE
- TRUE

Region
- East Asia & Pacific
- Europe & Central Asia
- South Asia
- Sub−Saharan Africa

Genus
- Citrobacter
- Enterobacter
- Escherichia
- Rhodobacter
- Unknown