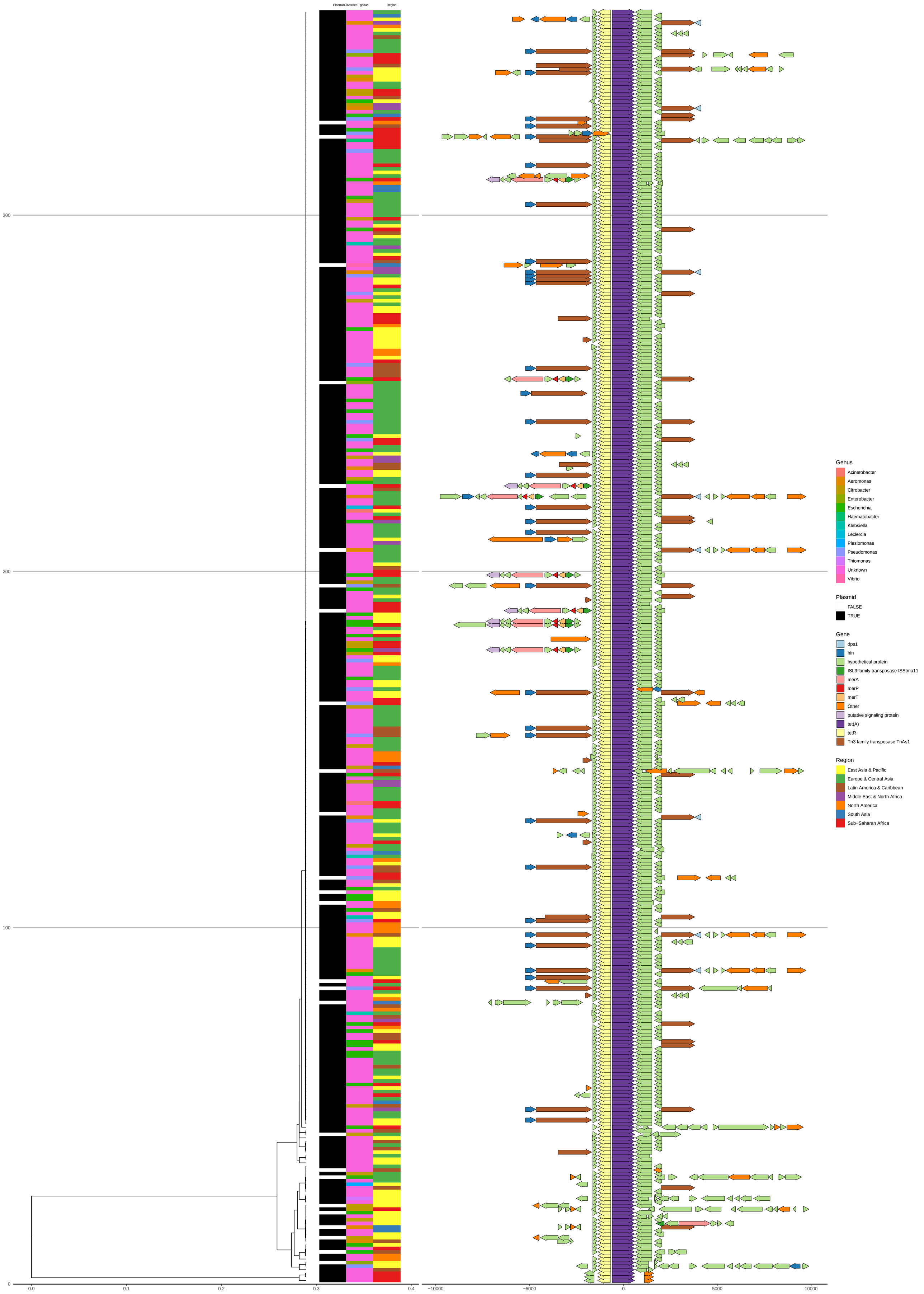
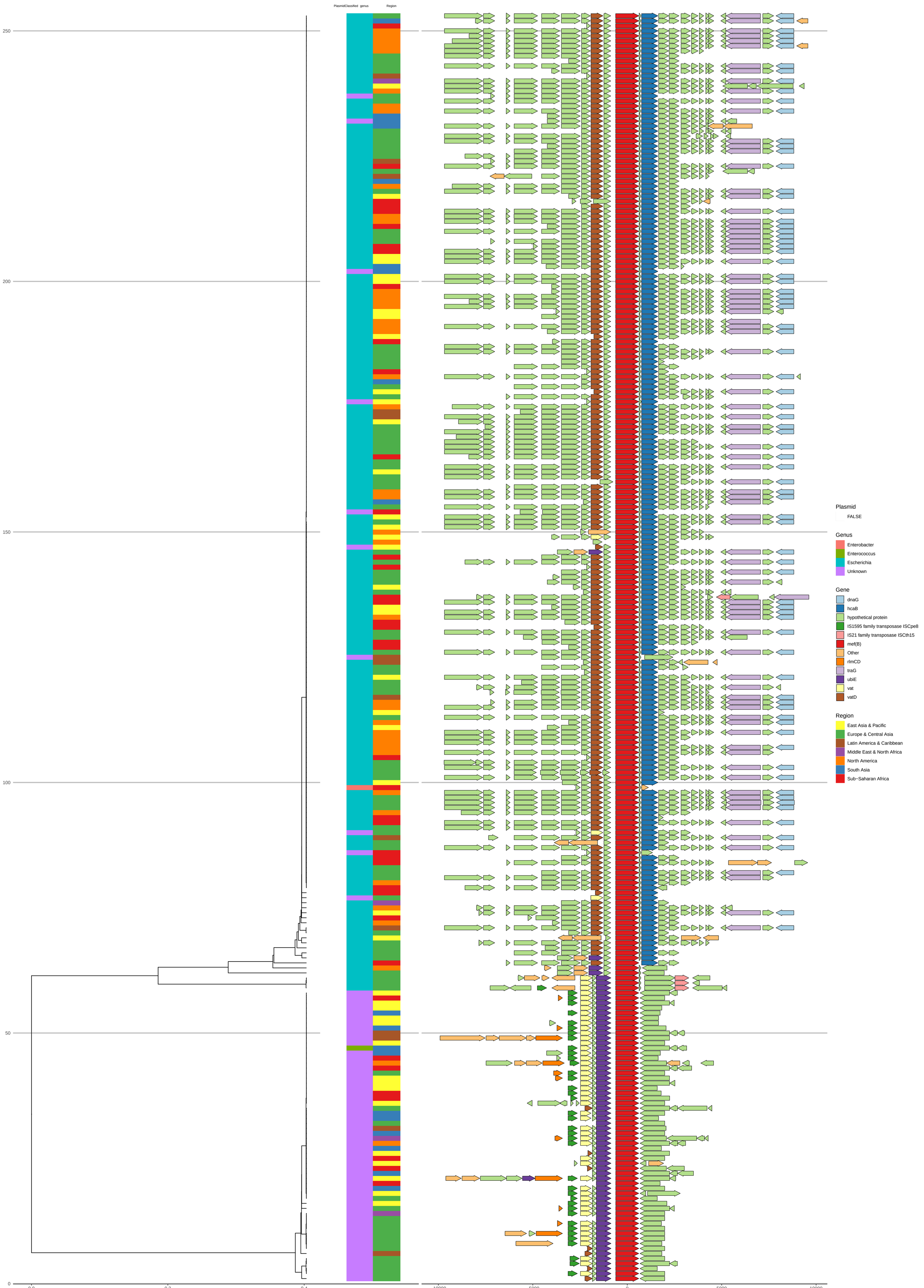
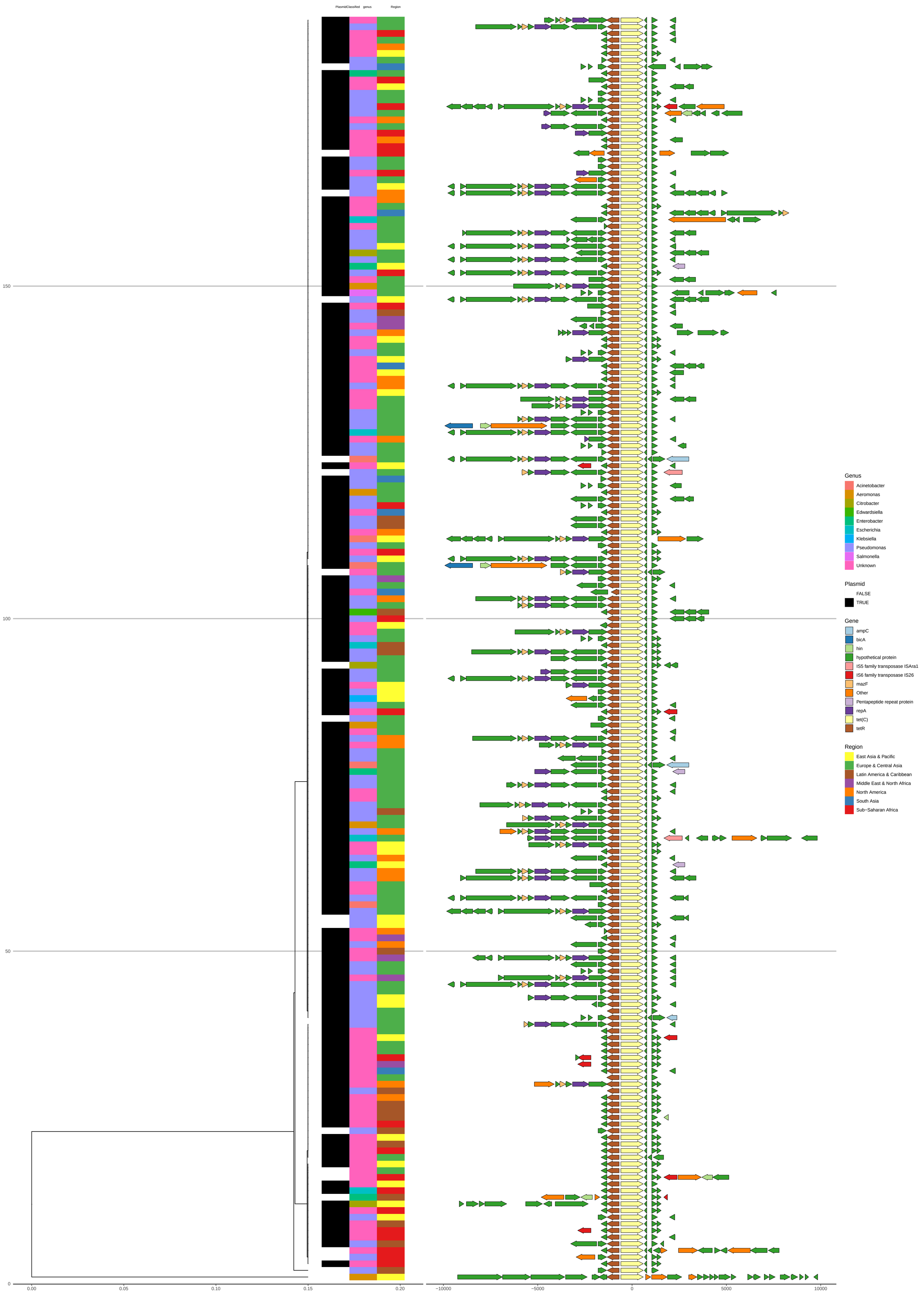
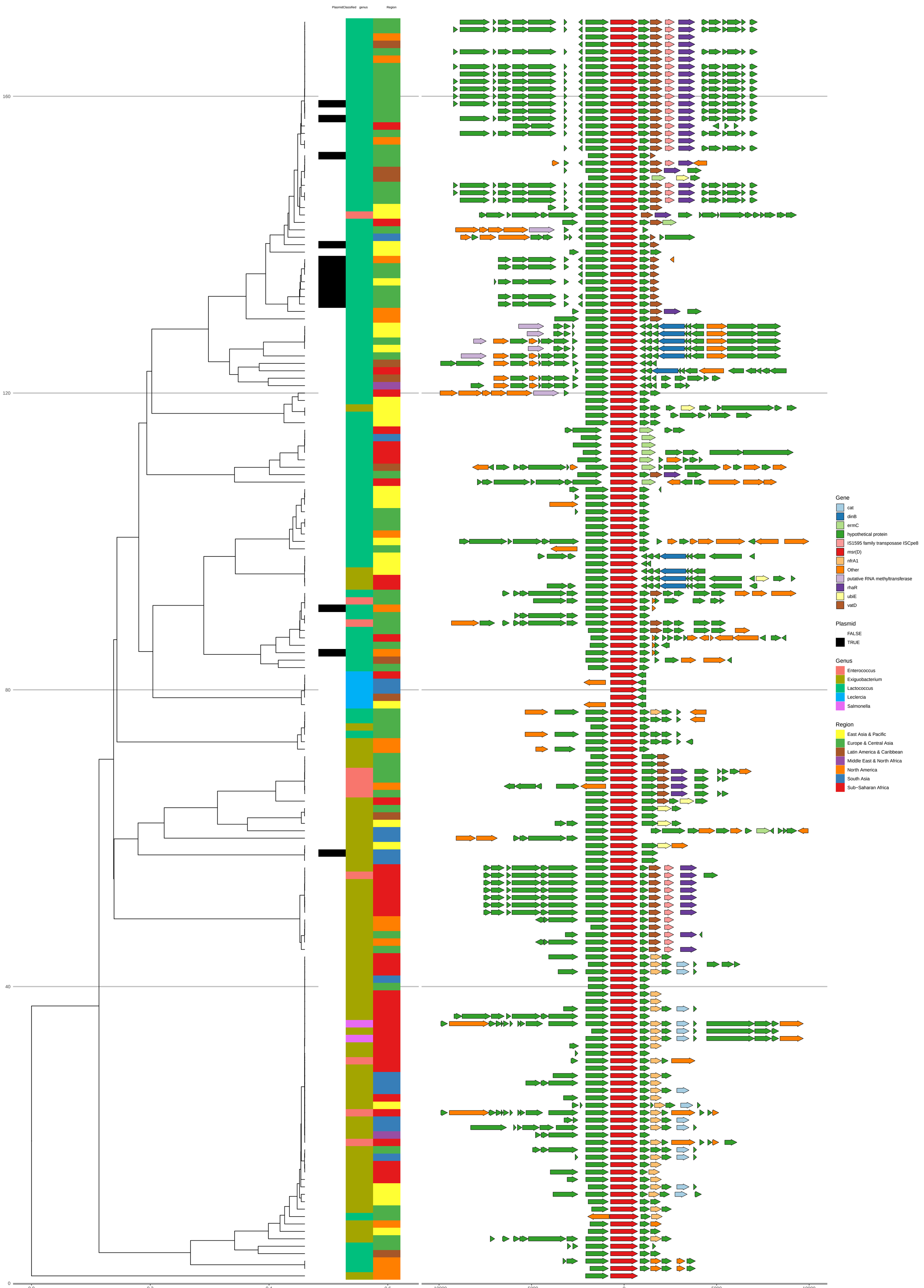

PlasmidClassified
genus
Region
300
200
100
0
0.0
0.1
0.2
0.3
0.4
−10000
−5000
0
5000
10000
Genus
Acinetobacter
Aeromonas
Citrobacter
Enterobacter
Escherichia
Haematobacter
Klebsiella
Leclercia
Plesiomonas
Pseudomonas
Thiomonas
Unknown
Vibrio
Plasmid
FALSE
TRUE
Gene
dps1
hin
hypothetical protein
ISL3 family transposase ISStma11
merA
merP
merT
Other
putative signaling protein
tet(A)
tetR
Tn3 family transposase TnAs1
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
North America
South Asia
Sub−Saharan Africa


PlasmidClassified genus
Region
250
200
150
100
50
0
0.0
0.2
0.4
−10000
−5000
0
5000
10000
Plasmid
FALSE
Genus
Enterobacter
Enterococcus
Escherichia
Unknown
Gene
dnaG
hcaB
hypothetical protein
IS1595 family transposase ISCpe8
IS21 family transposase ISCth15
mef(B)
Other
rlmCD
traG
ubiE
vat
vatD
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
North America
South Asia
Sub−Saharan Africa

PlasmidClassified genus
Region
200
150
100
50
0
0.0
0.1
0.2
0.3
0.4
−10000
−5000
0
5000
10000
Plasmid
FALSE
TRUE
Genus
Carnobacterium
Enterococcus
Escherichia
Lactobacillus
Lactococcus
Unknown
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
North America
South Asia
Sub−Saharan Africa
Gene
betI
bin3
dbpA
dgaF
dinB
guaA
hypothetical protein
iap
Int−Tn
Other
tet(M)
xerC


PlasmidClassified
genus
Region
150
100
50
0
0.00
0.05
0.10
0.15
0.20
−10000
−5000
0
5000
10000
Genus
Acinetobacter
Aeromonas
Citrobacter
Edwardsiella
Enterobacter
Escherichia
Klebsiella
Pseudomonas
Salmonella
Unknown
Plasmid
FALSE
TRUE
Gene
ampC
bicA
hin
hypothetical protein
IS5 family transposase ISAra1
IS6 family transposase IS26
mazF
Other
Pentapeptide repeat protein
repA
tet(C)
tetR
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
North America
South Asia
Sub−Saharan Africa


PlasmidClassified
genus
Region
160
120
80
40
0
0.0
0.2
0.4
0.6
−10000
−5000
0
5000
10000
Gene
cat
dinB
ermC
hypothetical protein
IS1595 family transposase ISCpe8
msr(D)
nfrA1
Other
putative RNA methyltransferase
rhaR
ubiE
vatD
Plasmid
FALSE
TRUE
Genus
Enterococcus
Exiguobacterium
Lactococcus
Leclercia
Salmonella
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
North America
South Asia
Sub−Saharan Africa

PlasmidClassified genus Region

150

100

50

0

0.0 0.2 0.4 0.6

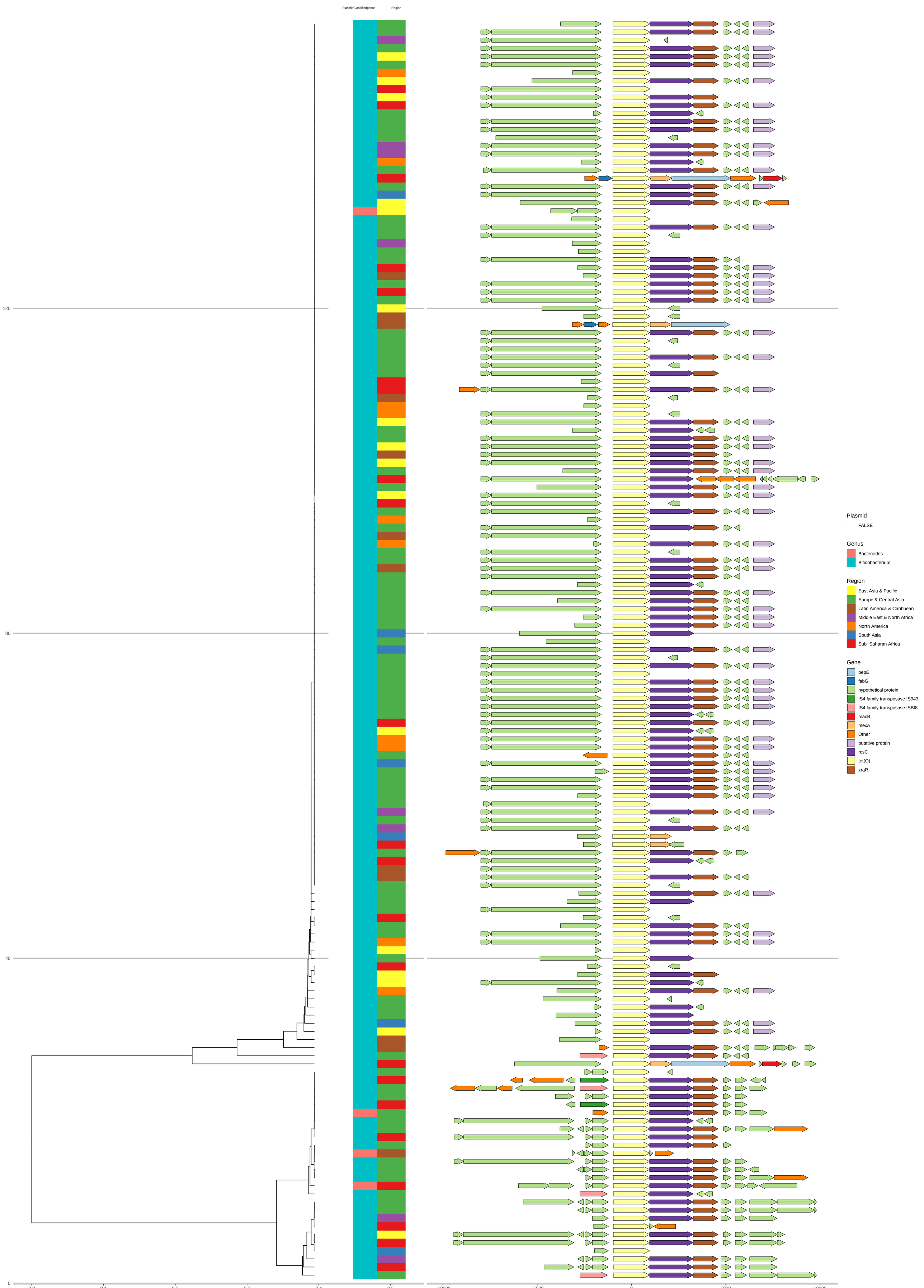
−10000 −5000 0 5000 10000

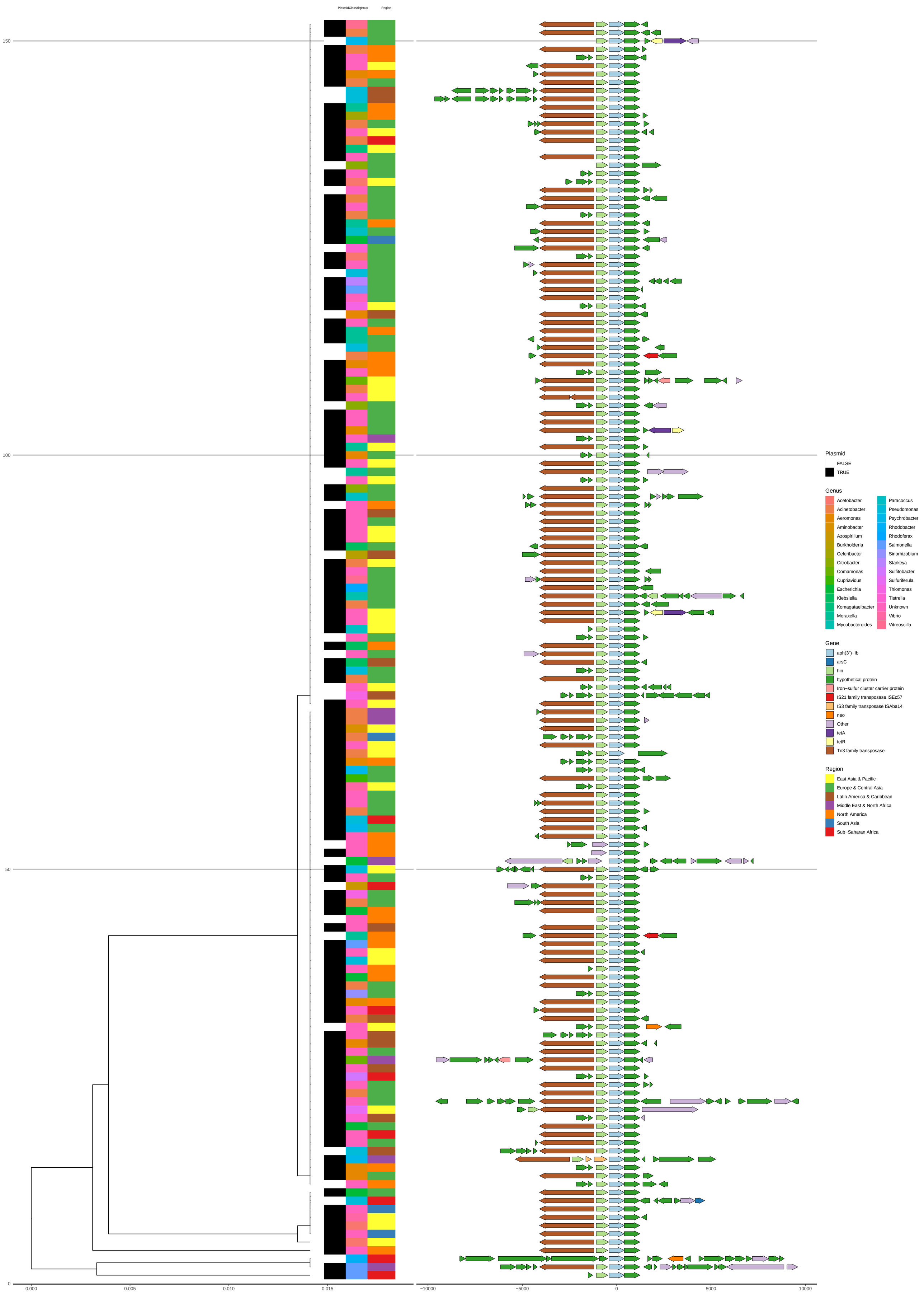
Genus
- Bacillus
- Enterococcus
- Eubacterium
- Exiguobacterium
- Lactococcus
- Salmonella
- Unknown

Plasmid
- FALSE
- TRUE

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

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


PlasmidClassifiedgenus
Region
120
80
40
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
fabG
hypothetical protein
IS4 family transposase IS943
IS4 family transposase ISBf8
macB
mexA
Other
putative protein
rcsC
tet(Q)
zraR


Plasmid
Classification
Genus
Region
150
100
50
0
0.000
0.005
0.010
0.015
−10000
−5000
0
5000
10000
Plasmid
FALSE
TRUE
Genus
Acetobacter
Acinetobacter
Aeromonas
Aminobacter
Azospirillum
Burkholderia
Celeribacter
Citrobacter
Comamonas
Cupriavidus
Escherichia
Klebsiella
Komagataeibacter
Moraxella
Mycobacteroides
Paracoccus
Pseudomonas
Psychrobacter
Rhodobacter
Rhodoferax
Salmonella
Sinorhizobium
Starkeya
Sulfitobacter
Sulfuriferula
Thiomonas
Tistrella
Unknown
Vibrio
Vitreoscilla
Gene
aph(3")−Ib
arsC
hin
hypothetical protein
Iron−sulfur cluster carrier protein
IS21 family transposase ISEc57
IS3 family transposase ISAba14
neo
Other
tetA
tetR
Tn3 family transposase
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
North America
South Asia
Sub−Saharan Africa

PlasmidClassified genus Region

150

100

50

0

0.0 0.2 0.4 0.6

−10000 −5000 0 5000 10000

Gene
aadK
ant1
apt
cat
comR
hypothetical protein
IS3 family transposase ISClsp1
lsa(E)
Other
rlmCD
tdh
ubiE

Plasmid
FALSE
TRUE

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

Genus
Enterococcus

Plasmid Classification Region

100

50

0

0.0 0.1 0.2 0.3 0.4 0.5

−10000 −5000 0 5000 10000

Gene
- fabF
- groL
- hcaR
- hdfR
- hypothetical protein
- IS5 family transposase ISPa51
- IS91 family transposase ISVsa3
- Other
- oxyR
- tet(G)
- tetR
- ydhC

Plasmid
- FALSE
- TRUE

Genus
- Aeromonas
- Alcaligenes
- Enterobacter
- Klebsiella
- Pasteurella
- Pseudomonas
- Rhodobacter
- Shewanella
- Tabrizicola
- Unknown

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

PlasmidClassified genus Region

100

50

0

0.0 0.2 0.4 0.6

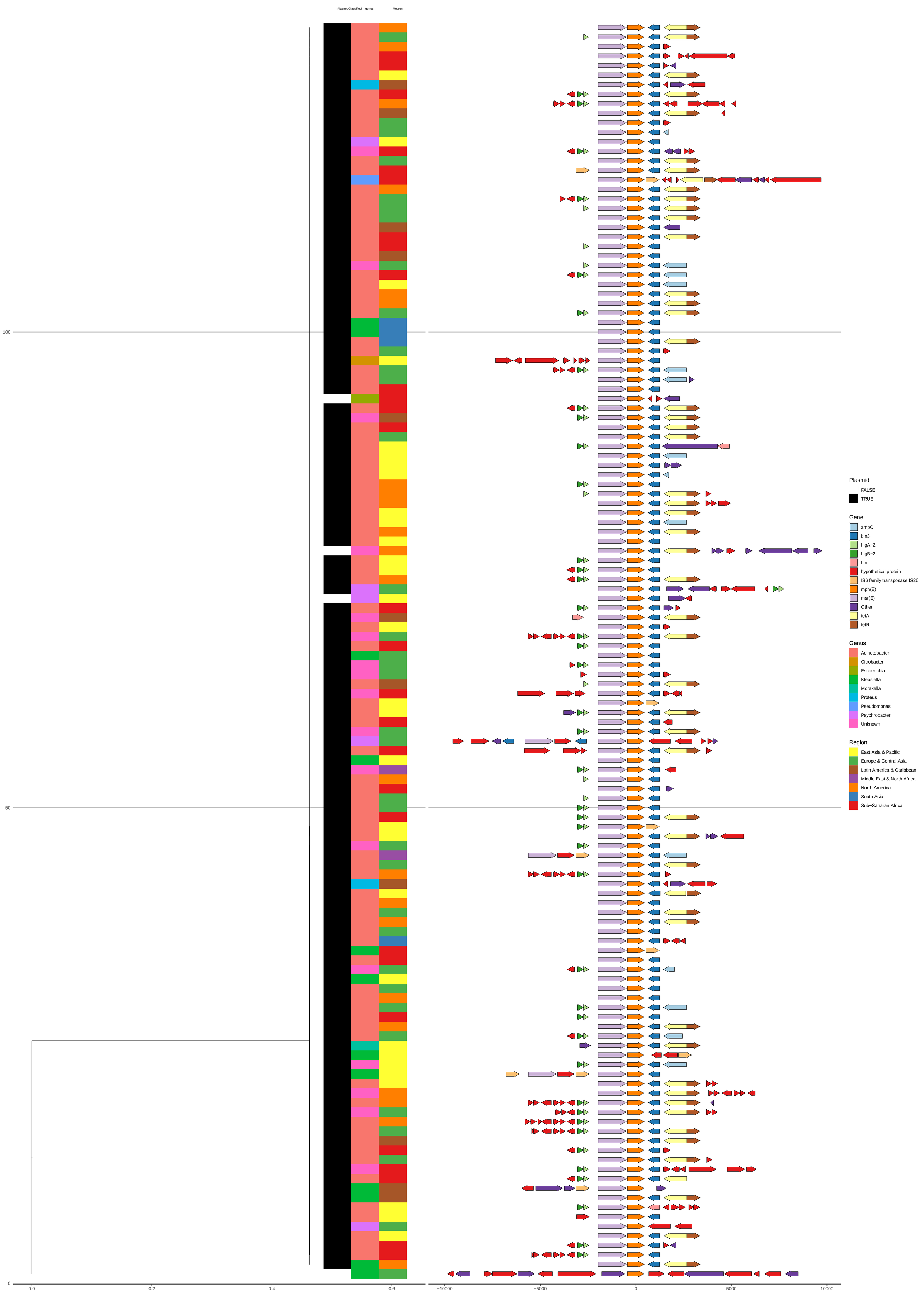
−10000 −5000 0 5000 10000

Plasmid
FALSE
TRUE

Genus
Campylobacter
Clostridioides
Enterococcus
Escherichia
Exiguobacterium
Lactobacillus
Lactococcus
Staphylococcus
Unknown

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

Gene
amiE
ant(6)−Ia
ant1
aphA
apt
hypothetical protein
lsa(E)
Other
tetA
tetM
ubiE
wecD


PlasmidClassified
genus
Region
100
50
0
0.0
0.2
0.4
0.6
−10000
−5000
0
5000
10000
Plasmid
FALSE
TRUE
Gene
ampC
bin3
higA−2
higB−2
hin
hypothetical protein
IS6 family transposase IS26
mph(E)
msr(E)
Other
tetA
tetR
Genus
Acinetobacter
Citrobacter
Escherichia
Klebsiella
Moraxella
Proteus
Pseudomonas
Psychrobacter
Unknown
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
North America
South Asia
Sub−Saharan Africa

PlasmidClassified genus
Region
125
100
75
50
25
0
0.0
0.1
0.2
0.3
−10000
−5000
0
5000
10000
Plasmid
FALSE
TRUE
Gene
aadK
comR
hypothetical protein
IS3 family transposase ISClsp1
lnu(B)
lsa(E)
nirC
Other
tdh
ubiE
ybiT
yheS
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
North America
South Asia
Sub−Saharan Africa
Genus
Enterococcus

PlasmidClassified genus Region

125
100
75
50
25
0

0.00 0.01 0.02

−5000 0 5000 10000

Plasmid
FALSE

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

Genus
Corynebacterium
Cutibacterium
Unknown

Gene
blaACI−1
haeIIIM
hdfR
hypothetical protein
IS3 family transposase ISClte1
IS3 family transposase ISEfa10
IS3 family transposase ISStin5
lytC
menH
mftC
Other
rtcB

PlasmidClassified genus Region

90

60

30

0

0.00 0.01 0.02 0.03

−5000 0 5000 10000

Plasmid

TRUE

Gene

bla
hin
hypothetical protein
IS3 family transposase ISAs17
IS3 family transposase ISEc36
ISKra4 family transposase ISKpn19
Other
qnrS1
relB
relE
Tn3 family transposase Tn2
tnpR

Genus

Escherichia
Klebsiella
Leclercia

Region

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

PlasmidClassified genus
Region
90
60
30
0
0.0
0.2
0.4
−10000
−5000
0
5000
10000
Plasmid
FALSE
TRUE
Gene
bla
dnaK
hypothetical protein
IS1182 family transposase ISPye18
IS91 family transposase ISMno24
kmo
mph(G)
Other
per1
tetA
xerC
ybiT
Genus
Bacteroides
Empedobacter
Escherichia
Myroides
Pseudomonas
Rahnella
Shewanella
Unknown
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
North America
South Asia
Sub−Saharan Africa

PlasmidClassified genus Region

90

60

30

0

0e+00 1e−04 2e−04 3e−04 4e−04

−10000 −5000 0 5000

Plasmid
TRUE

Genus
Acinetobacter
Citrobacter
Klebsiella
Moraxella
Psychrobacter
Unknown

Gene
ampC
bin3
higA−2
higB−2
hin
hypothetical protein
IS3 family transposase ISPa74
IS6 family transposase IS26
msr(E)
Other
tetA
tetR

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

PlasmidClassified genus Region

100
75
50
25
0

0.000 0.005 0.010

−10000 −5000 0 5000 10000

Plasmid
FALSE
TRUE

Genus
Aeromonas
Citrobacter
Comamonas
Enterobacter
Escherichia
Klebsiella
Pseudomonas
Salmonella
Serratia
Shewanella
Sphingobium
Sphingomonas
Thauera
Unknown

Gene
aacA4
ant1
bla
cat
emrE
hypothetical protein
IS21 family transposase IS1326
ISL3 family transposase ISStma11
Other
putative multidrug−efflux transporter
sul1
xerC

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

PlasmidClassified genus Region

100

75

50

25

0

0e+00 2e−04 4e−04 6e−04

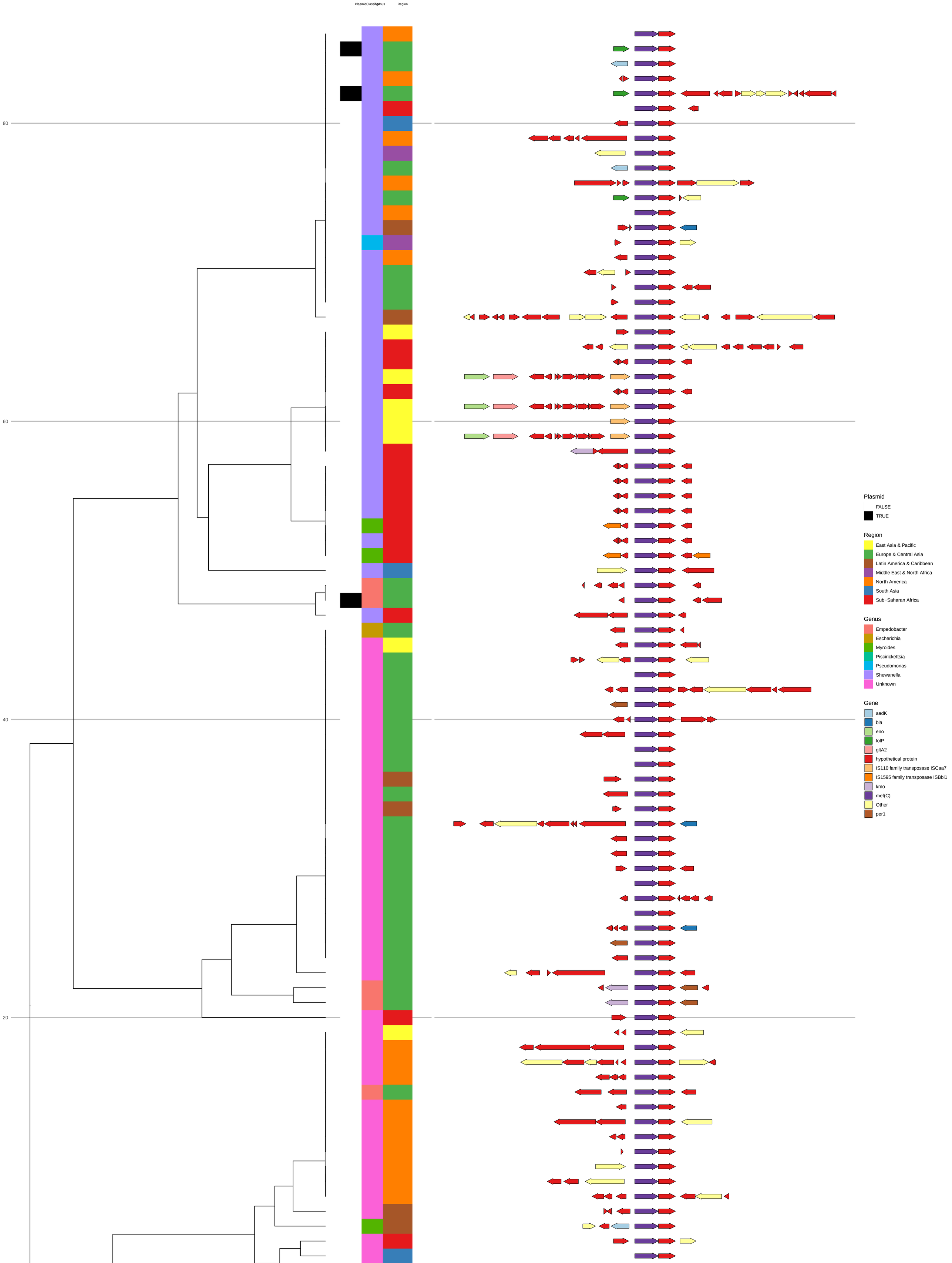
−10000 −5000 0 5000 10000

Plasmid
FALSE
TRUE

Genus
Acinetobacter
Psychrobacter
Unknown

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

Gene
Beta−lactamase OXA−133
bin3
higA−2
higB−2
hypothetical protein
msr(E)
Other
tetA
tetR
vapB2
vapC2
yafQ


Plasmid
Classified
Genus
Region
80
60
40
20
0
0.0
0.1
0.2
0.3
0.4
0.5
−10000
−5000
0
5000
10000
Plasmid
FALSE
TRUE
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
North America
South Asia
Sub−Saharan Africa
Genus
Empedobacter
Escherichia
Myroides
Piscirickettsia
Pseudomonas
Shewanella
Unknown
Gene
aadK
bla
eno
folP
gltA2
hypothetical protein
IS110 family transposase ISCaa7
IS1595 family transposase ISBbi1
kmo
mef(C)
Other
per1

PlasmidClassified genus Region

50
40
30
20
10
0

0.0 0.2 0.4 0.6

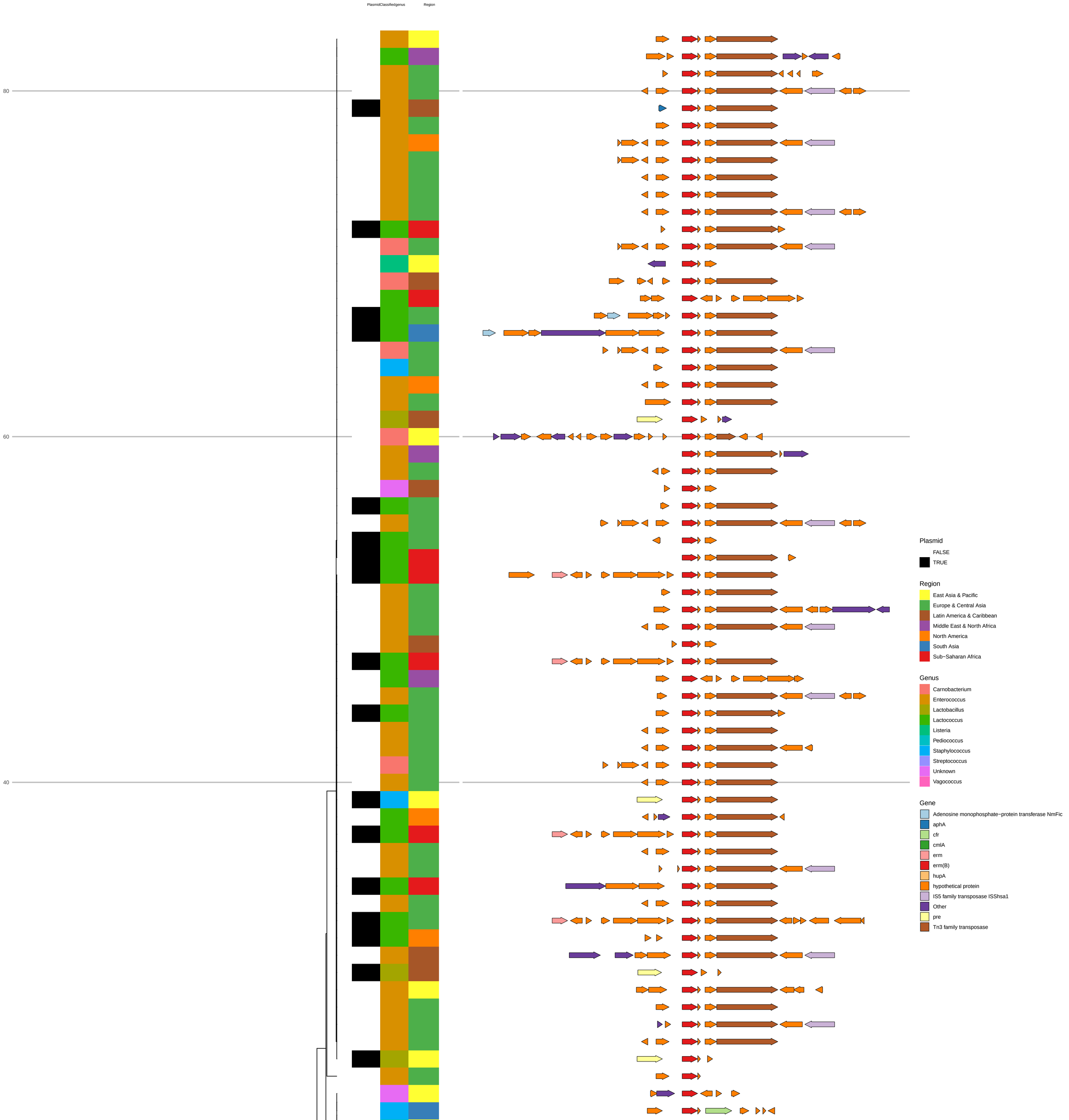
−10000 −5000 0 5000 10000

Plasmid
FALSE

Genus
Cronobacter
Escherichia
Peduovirus
Rhizobium
Unknown

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

Gene
dacC
deoR
gstB
hypothetical protein
mdf(A)
Other
rcdA
rimO
ybjG
ybjI
ybjJ
yliI


PlasmidClassifiedgenus
Region
80
60
40
20
0
0.0
0.1
0.2
0.3
0.4
−10000
−5000
0
5000
10000
Plasmid
FALSE
TRUE
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
North America
South Asia
Sub−Saharan Africa
Genus
Carnobacterium
Enterococcus
Lactobacillus
Lactococcus
Listeria
Pediococcus
Staphylococcus
Streptococcus
Unknown
Vagococcus
Gene
Adenosine monophosphate−protein transferase NmFic
aphA
cfr
cmlA
erm
erm(B)
hupA
hypothetical protein
IS5 family transposase ISShsa1
Other
pre
Tn3 family transposase

PlasmidClassified genus Region

80

60

40

20

0

0e+00 2e−04 4e−04 6e−04 8e−04

−10000 −5000 0 5000 10000

Gene
- acr3
- arsC
- arsH
- engB
- era
- hypothetical protein
- IS91 family transposase ISVsa3
- mobA
- Other
- repA
- sul2
- tadA

Plasmid
- FALSE
- TRUE

Genus
- Acinetobacter
- Aeromonas
- Azoarcus
- Azospirillum
- Citrobacter
- Cupriavidus
- Enterobacter
- Escherichia
- Klebsiella
- Myroides
- Pasteurella
- Pseudomonas
- Rhodobacter
- Unknown
- Vibrio
- Xanthomonas

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 0.2 0.4 0.6

−10000 −5000 0 5000

Genus
Citrobacter
Deinococcus
Pseudomonas
Ralstonia
Rhizobium
Unknown

Plasmid
FALSE
TRUE

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

Gene
blaAER−1
hemH
htpX
hup
hypothetical protein
kdpB
lspA
orn
Other
rsgA
Tn3 family transposase ISNpu13
Tn3 family transposase ISYps3

PlasmidClassified genus Region

60

40

20

0

0.00 0.01 0.02 0.03 0.04 0.05

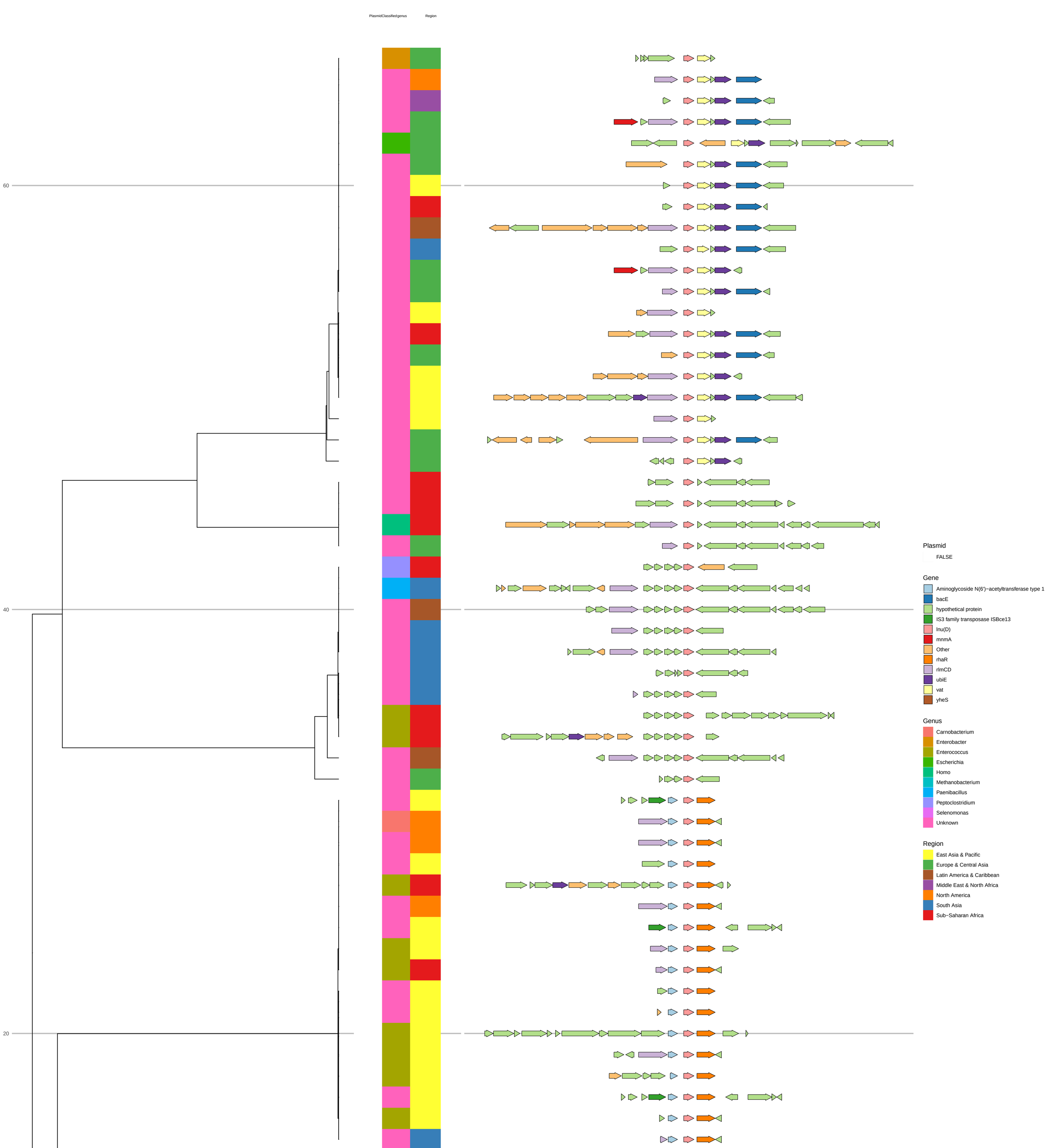
−2000 0 2000

Plasmid
FALSE

Gene
aac(3)−I
glpD
glpR
hypothetical protein
pckG
xerD

Genus
Pseudomonas

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


PlasmidClassified genus
Region
60
40
20
0
0.0
0.2
0.4
0.6
−10000
−5000
0
5000
10000
Plasmid
FALSE
Gene
Aminoglycoside N(6')−acetyltransferase type 1
bacE
hypothetical protein
IS3 family transposase ISBce13
lnu(D)
mnmA
Other
rhaR
rlmCD
ubiE
vat
yheS
Genus
Carnobacterium
Enterobacter
Enterococcus
Escherichia
Homo
Methanobacterium
Paenibacillus
Peptoclostridium
Selenomonas
Unknown
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

−10000 −5000 0 5000 10000

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

Plasmid
FALSE

Genus
Enterococcus
Exiguobacterium
Lactococcus
Salmonella

Gene
argF
catQ
fbiB
hypothetical protein
IS5 family transposase ISCARN33
lsa(E)
msr(D)
nfrA1
Other
putative RNA methyltransferase
sttH
ybiT

PlasmidClassifiedgenus Region

60

40

20

0

0.0 0.2 0.4 0.6

−10000 −5000 0 5000 10000

Gene
- Deoxyguanosinetriphosphate triphosphohydrolase−like protein
- floR
- folP
- hcaR
- hdfR
- hypothetical protein
- IS91 family transposase ISVsa3
- Other
- oxyR
- rlmN
- tetA
- tetR

Plasmid
- FALSE
- TRUE

Genus
- Acinetobacter
- Aeromonas
- Enterobacter
- Escherichia
- Novosphingobium
- Porphyrobacter
- Pseudomonas
- Rhodobacter
- Unknown
- Vibrio

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

PlasmidClassified genus Region

50
40
30
20
10
0

0.00 0.05 0.10 0.15 0.20

−5000 0 5000 10000

Plasmid
FALSE

Genus
Butyricimonas

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

Gene
cfxA5
hypothetical protein
IS110 family transposase ISHvo10
IS1595 family transposase ISPba2
IS4 family transposase ISBf8
nadB
Polyphosphate:ADP phosphotransferase
rhaD
xerD

PlasmidClassified genus Region

50
40
30
20
10
0

0.00 0.01 0.02 0.03

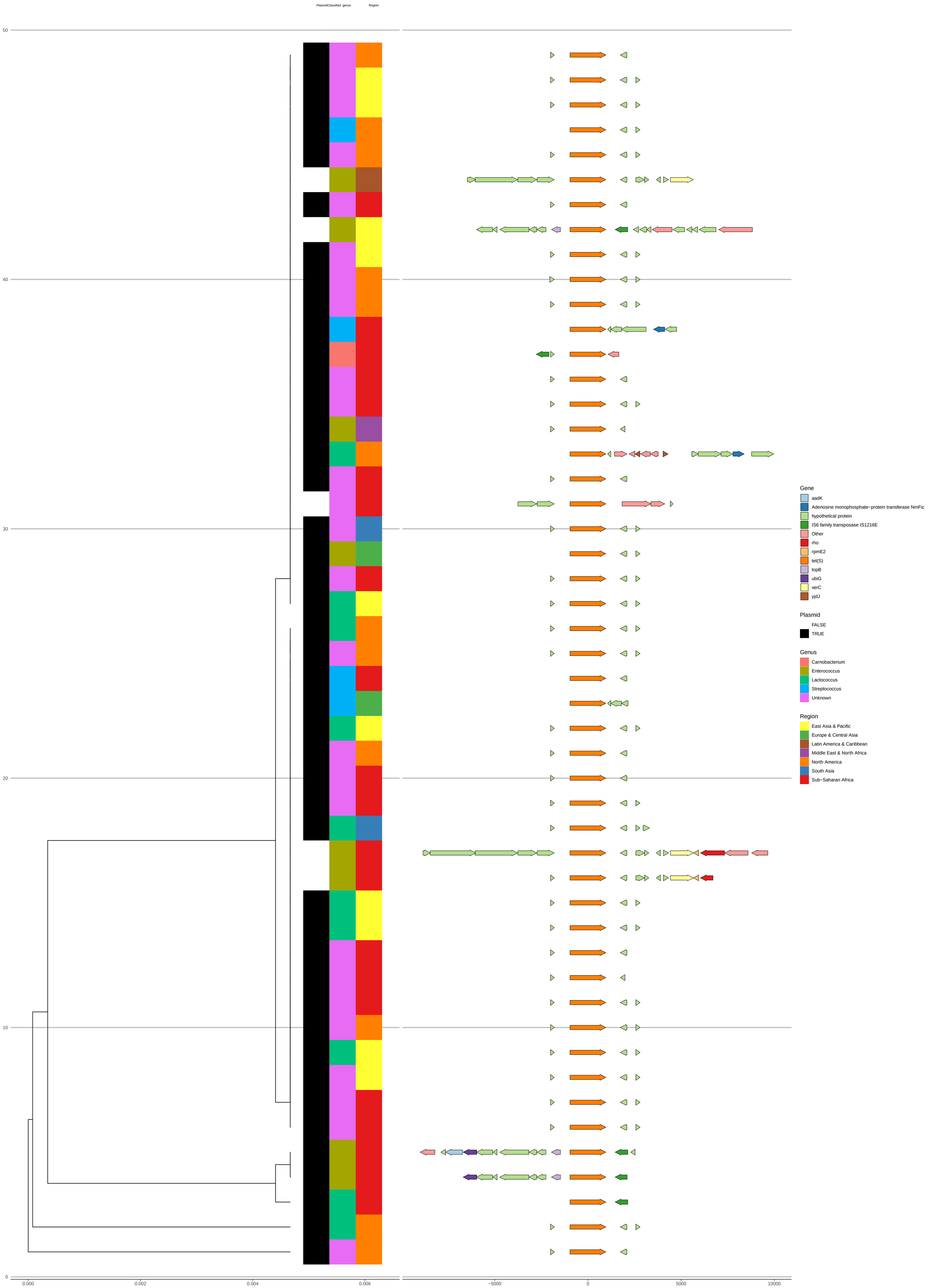
−5000 0 5000 10000

Plasmid
FALSE

Gene
acr3
Bacteriohemerythrin
dhaL
hypothetical protein
nagA
noc
ribBA
tet(O)
xerC
xylB
ymdB

Genus
Salmonella

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


PlasmidClassified genus Region
50
40
30
20
10
0
0.000
0.002
0.004
0.006
−5000
0
5000
10000
Gene
aadK
Adenosine monophosphate−protein transferase NmFic
hypothetical protein
IS6 family transposase IS1216E
Other
rho
rpmE2
tet(S)
topB
ubiG
xerC
yjdJ
Plasmid
FALSE
TRUE
Genus
Carnobacterium
Enterococcus
Lactococcus
Streptococcus
Unknown
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
North America
South Asia
Sub−Saharan Africa

PlasmidClassified genus Region

40

30

20

10

0

0.00 0.01 0.02 0.03 0.04

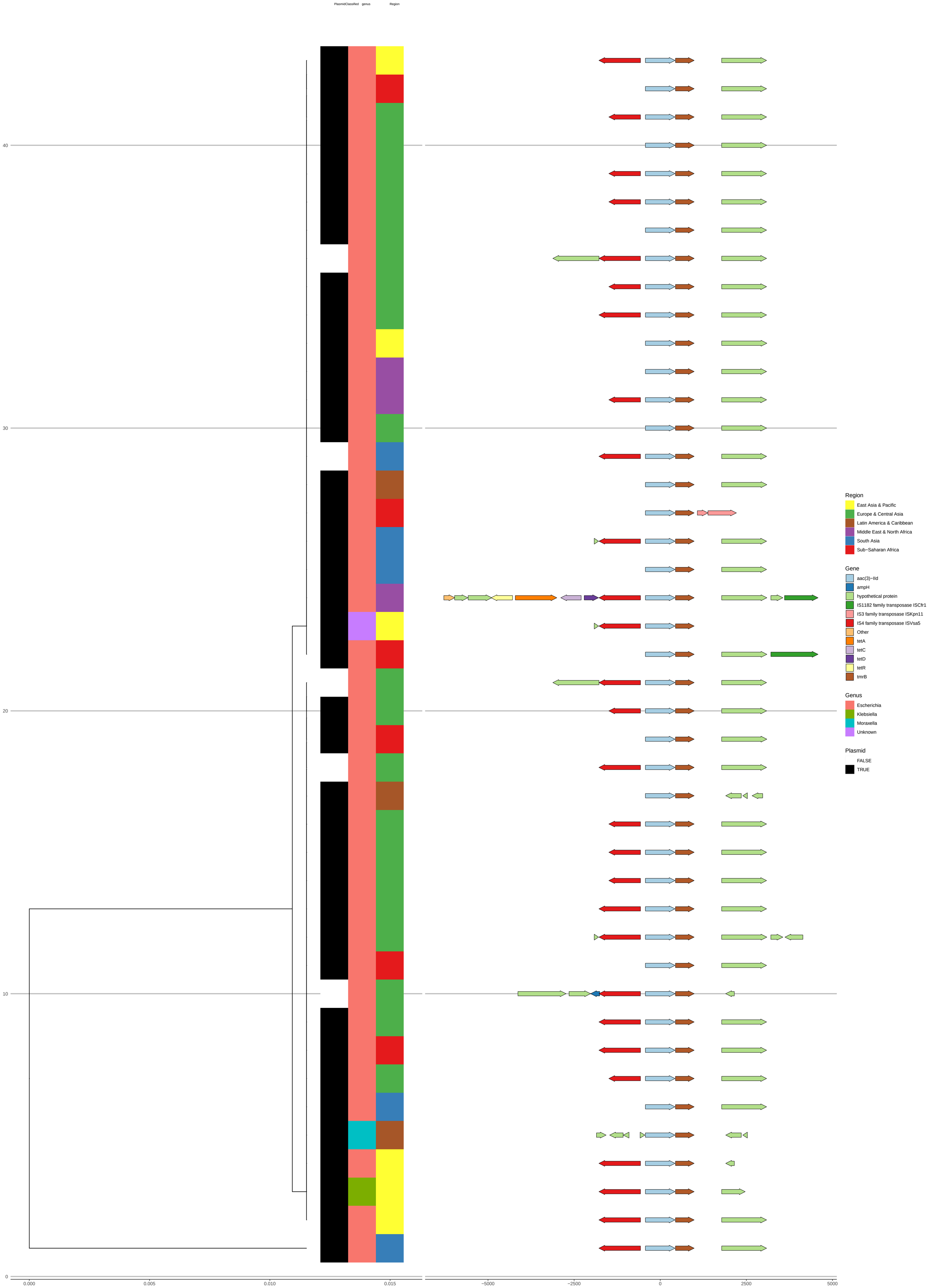
−10000 −5000 0 5000

Gene
aph(6)−Id
arsC
hin
hypothetical protein
IS21 family transposase ISEc57
IS3 family transposase ISAba14
neo
Other
tetA
tetR
Tn3 family transposase
traL

Plasmid
FALSE
TRUE

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

Genus
Acinetobacter
Aeromonas
Citrobacter
Comamonas
Cupriavidus
Escherichia
Klebsiella
Moraxella
Mycobacteroides
Paracoccus
Pseudomonas
Psychrobacter
Rhodobacter
Salmonella
Starkeya
Sulfuriferula
Thiomonas
Unknown


PlasmidClassified
genus
Region
40
30
20
10
0
0.000
0.005
0.010
0.015
−5000
−2500
0
2500
5000
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
South Asia
Sub−Saharan Africa
Gene
aac(3)−IId
ampH
hypothetical protein
IS1182 family transposase ISCfr1
IS3 family transposase ISKpn11
IS4 family transposase ISVsa5
Other
tetA
tetC
tetD
tetR
tmrB
Genus
Escherichia
Klebsiella
Moraxella
Unknown
Plasmid
FALSE
TRUE


Plasmid
Classification
Genus
Region
40
30
20
10
0
0.00
0.05
0.10
−10000
−5000
0
5000
10000
Plasmid
FALSE
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
North America
South Asia
Sub−Saharan Africa
Genus
Cutibacterium
Streptococcus
Gene
dnaI
fic
glmM
glnA
hypothetical protein
noc
tet(32)
ubiE

PlasmidClassified genus Region

40

30

20

10

0

0.00 0.01 0.02 0.03

−5000 0 5000 10000

Genus
Actinobacillus
Citrobacter
Enterobacter
Escherichia
Salmonella
Unknown

Plasmid
FALSE
TRUE

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

Gene
gltS
hypothetical protein
IS1 family transposase IS1X2
IS1182 family transposase ISCfr1
IS21 family transposase ISAs29
IS4 family transposase ISVsa5
Other
tet(B)
tetC
tetD
tetR
yqjZ

PlasmidClassified genus Region

30

20

10

0

0.00000 0.00025 0.00050 0.00075 0.00100

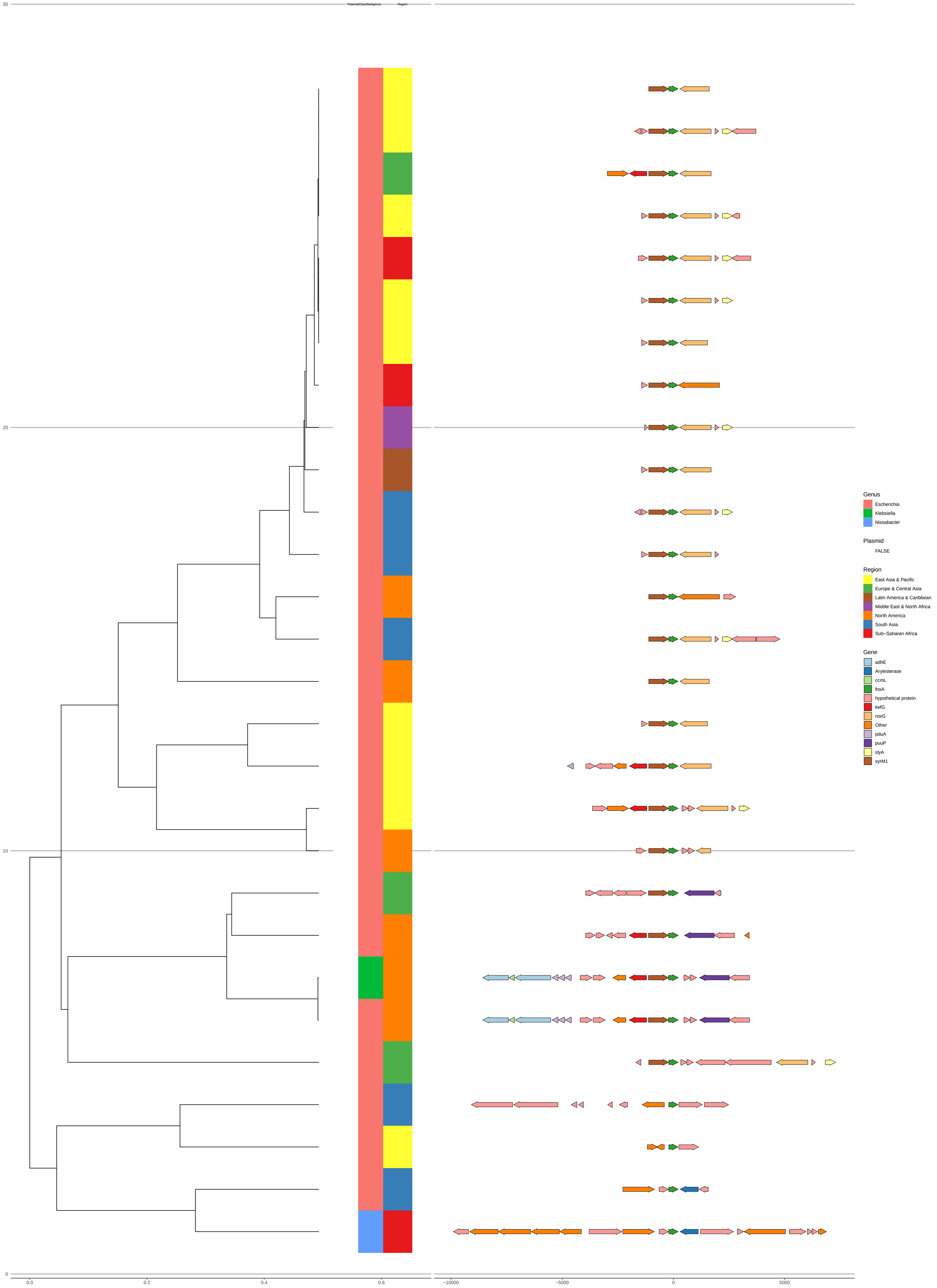
−10000 −5000 0 5000

Genus
Aeromonas
Enterobacter
Klebsiella
Salmonella
Unknown

Plasmid
FALSE
TRUE

Gene
aacA4
ccdA
ccdB
hypothetical protein
IS66 family transposase ISPsy43
mbeA
mbeC
mobA
Other
Pentapeptide repeat protein
qnrS2
repA

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


PlasmidClassified genus
Region
30
20
10
0
0.0
0.2
0.4
0.6
−10000
−5000
0
5000
Genus
Escherichia
Klebsiella
Nissabacter
Plasmid
FALSE
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
North America
South Asia
Sub−Saharan Africa
Gene
adhE
Arylesterase
ccmL
fosA
hypothetical protein
kefG
norG
Other
pduA
puuP
slyA
syrM1

PlasmidClassified genus Region

30
20
10
0
0.0
0.2
0.4
0.6
−6000
−3000
0
3000
6000

Plasmid
FALSE
TRUE

Genus
Aeromonas
Clostridioides
Enterococcus
Staphylococcus

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

Gene
aadK
cat
ermC
hypothetical protein
IS1380 family transposase ISEnca1
IS3 family transposase ISSwo1
repD
repE
repN
yafQ

PlasmidClassified genus Region

30

20

10

0

0.00 0.05 0.10 0.15 0.20

−10000 −5000 0 5000 10000

Plasmid
FALSE

Gene
araP
bglK
cadA
cas1
clpB1
Deoxyguanosine kinase
dnaG
hin
hypothetical protein
IS1595 family transposase ISAcsp6
lnu(C)
Other

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

Genus
Campylobacter
Lactobacillus
Streptococcus
Unknown

PlasmidClassified genus Region

20

10

0

0.0 0.2 0.4 0.6

−10000 −5000 0 5000 10000

Plasmid
FALSE

Genus
Enterobacter
Escherichia
Klebsiella

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

Gene
cat
dtpT
guaA
hypothetical protein
marA
oqxA
oqxB
oqxB9
Other
pgrR
rob
sasA

PlasmidClassified genus Region

30

20

10

0

0e+00 2e−04 4e−04 6e−04 8e−04

−10000 −5000 0 5000

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

Gene
bla
blaTEM−1B
hin
hypothetical protein
IS3 family transposase ISKpn11
IS91 family transposase ISVsa3
Other
rop
tmrB
Tn3 family transposase Tn2
tnpR
yokD

Plasmid
FALSE
TRUE

Genus
Enterobacter
Escherichia
Klebsiella
Neisseria
Salmonella
Unknown

PlasmidClassified genus Region

30

20

10

0

0.0

0.2

0.4

0.6

−4000

0

4000

8000

Plasmid

FALSE

Genus

Bacteroides

Myroides

Region

East Asia & Pacific

Europe & Central Asia

Latin America & Caribbean

North America

South Asia

Sub−Saharan Africa

Gene

aadK

bla

erm(F)

gmhA

hldE

hypothetical protein

IS30 family transposase IS4351

kmo

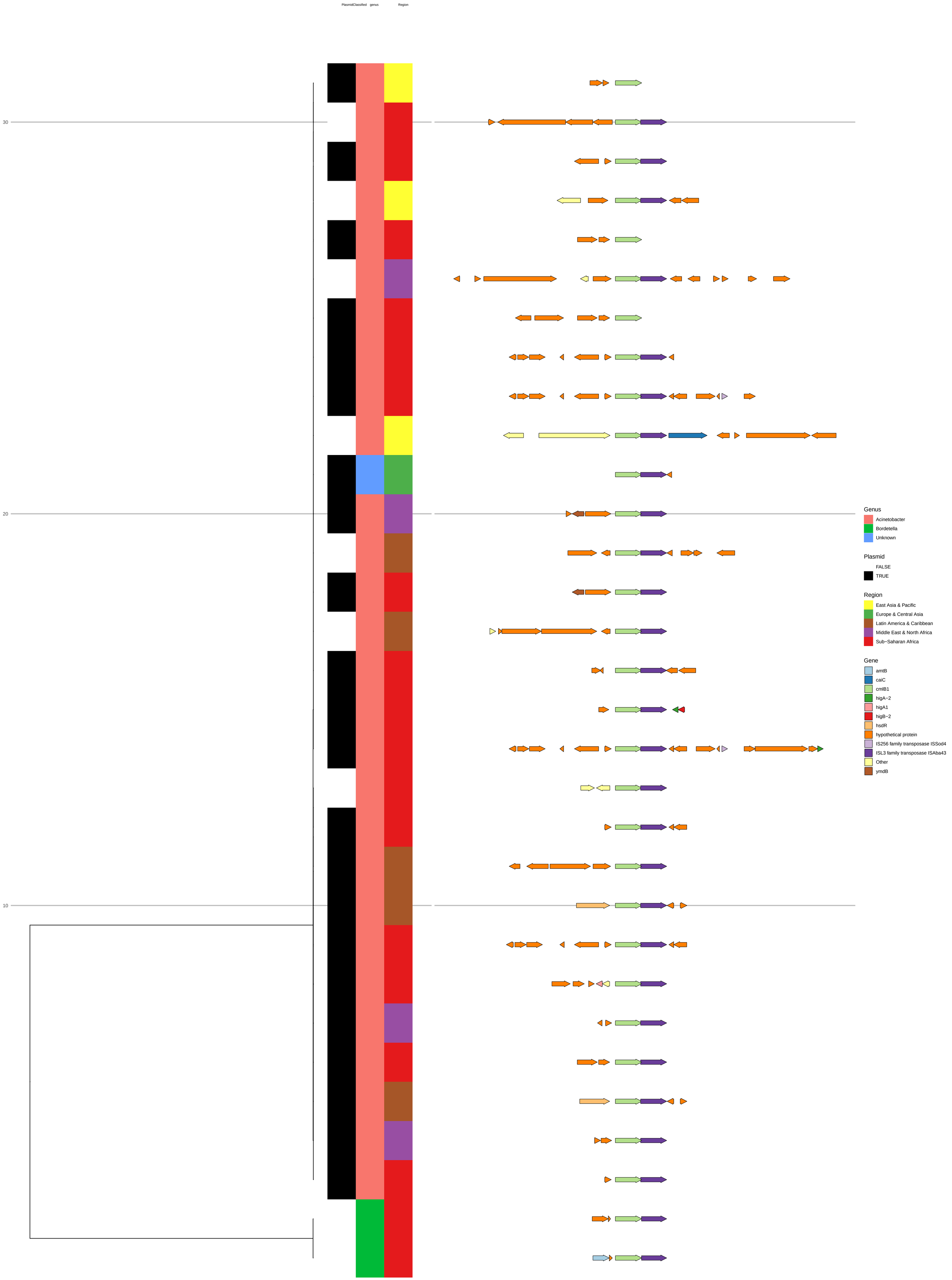
Other

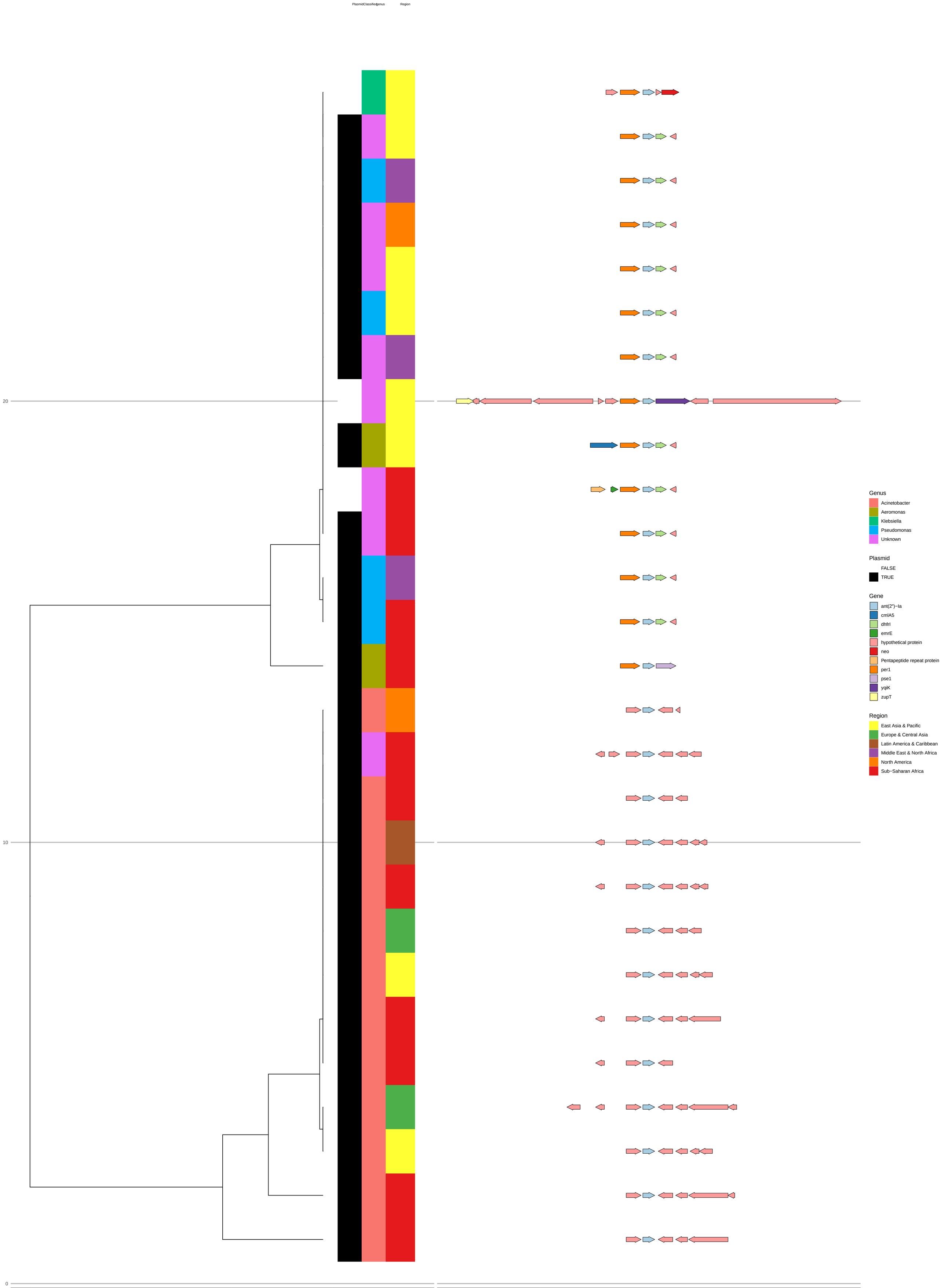
rfaH

sasA

xerD

PlasmidClassified
genus
Region
30
20
10
0
0.0
0.2
0.4
−5000
0
5000
10000
Plasmid
FALSE
Genus
Bacteroides
Escherichia
Myroides
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
North America
South Asia
Sub−Saharan Africa
Gene
aadK
bla
cat
ere(D)
ermD
gmhA
hypothetical protein
IS1595 family transposase ISBbi1
IS30 family transposase IS4351
ligA
Other
tet(X)


PlasmidClassified
genus
Region
30
20
10
0
0.0
0.2
0.4
0.6
−5000
0
5000
10000
Genus
Acinetobacter
Bordetella
Unknown
Plasmid
FALSE
TRUE
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
Sub−Saharan Africa
Gene
amtB
caiC
cmlB1
higA−2
higA1
higB−2
hsdR
hypothetical protein
IS256 family transposase ISSod4
ISL3 family transposase ISAba43
Other
ymdB


Plasmid
Classified genus
Region
20
10
0
0.00
0.03
0.06
0.09
0.12
−5000
0
5000
Genus
Acinetobacter
Aeromonas
Klebsiella
Pseudomonas
Unknown
Plasmid
FALSE
TRUE
Gene
ant(2")−Ia
cmlA5
dhfrI
emrE
hypothetical protein
neo
Pentapeptide repeat protein
per1
pse1
yqiK
zupT
Region
East Asia & Pacific
Europe & Central Asia
Latin America & Caribbean
Middle East & North Africa
North America
Sub−Saharan Africa

PlasmidClassified genus Region

30

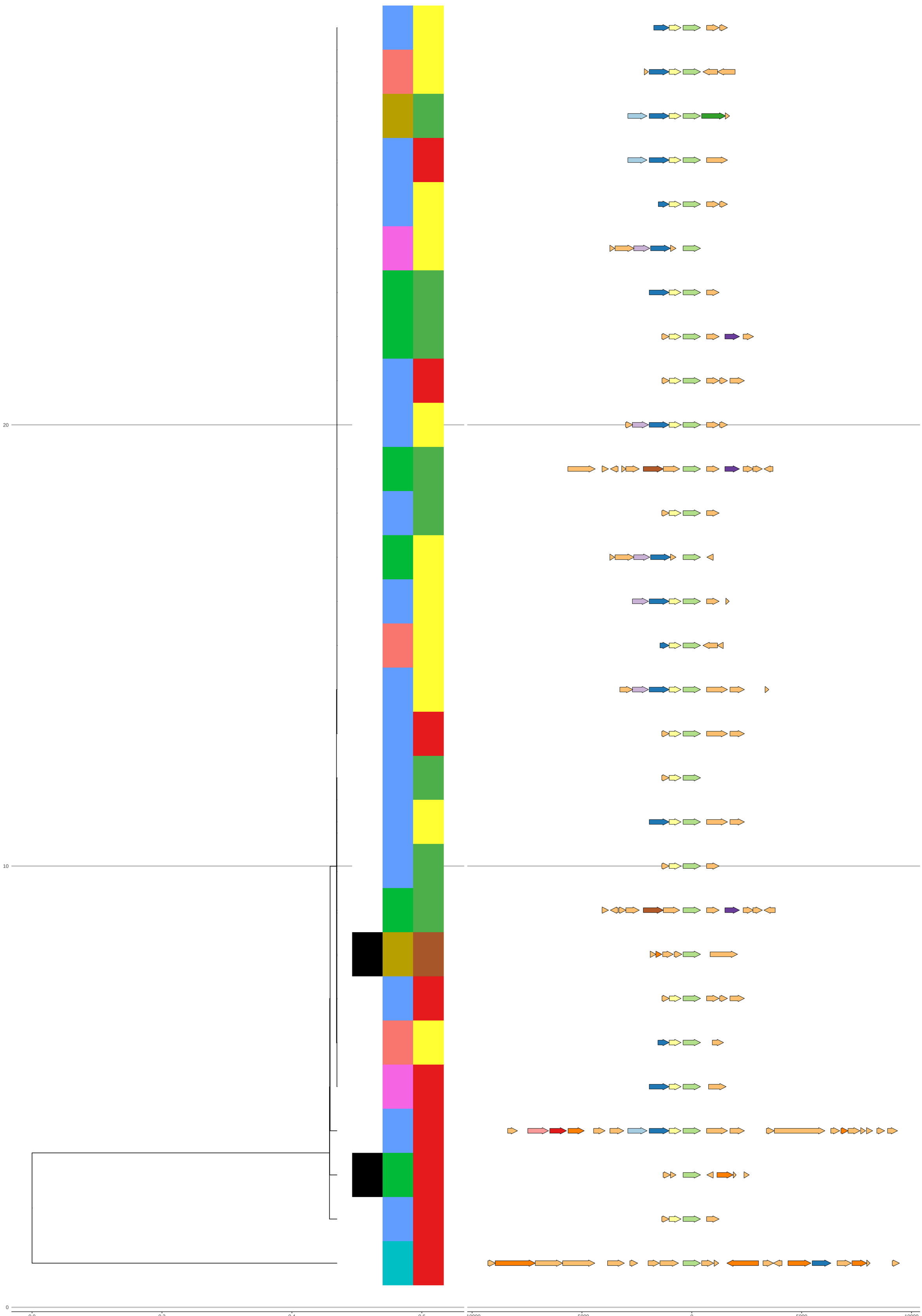
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0.0 0.2 0.4 0.6

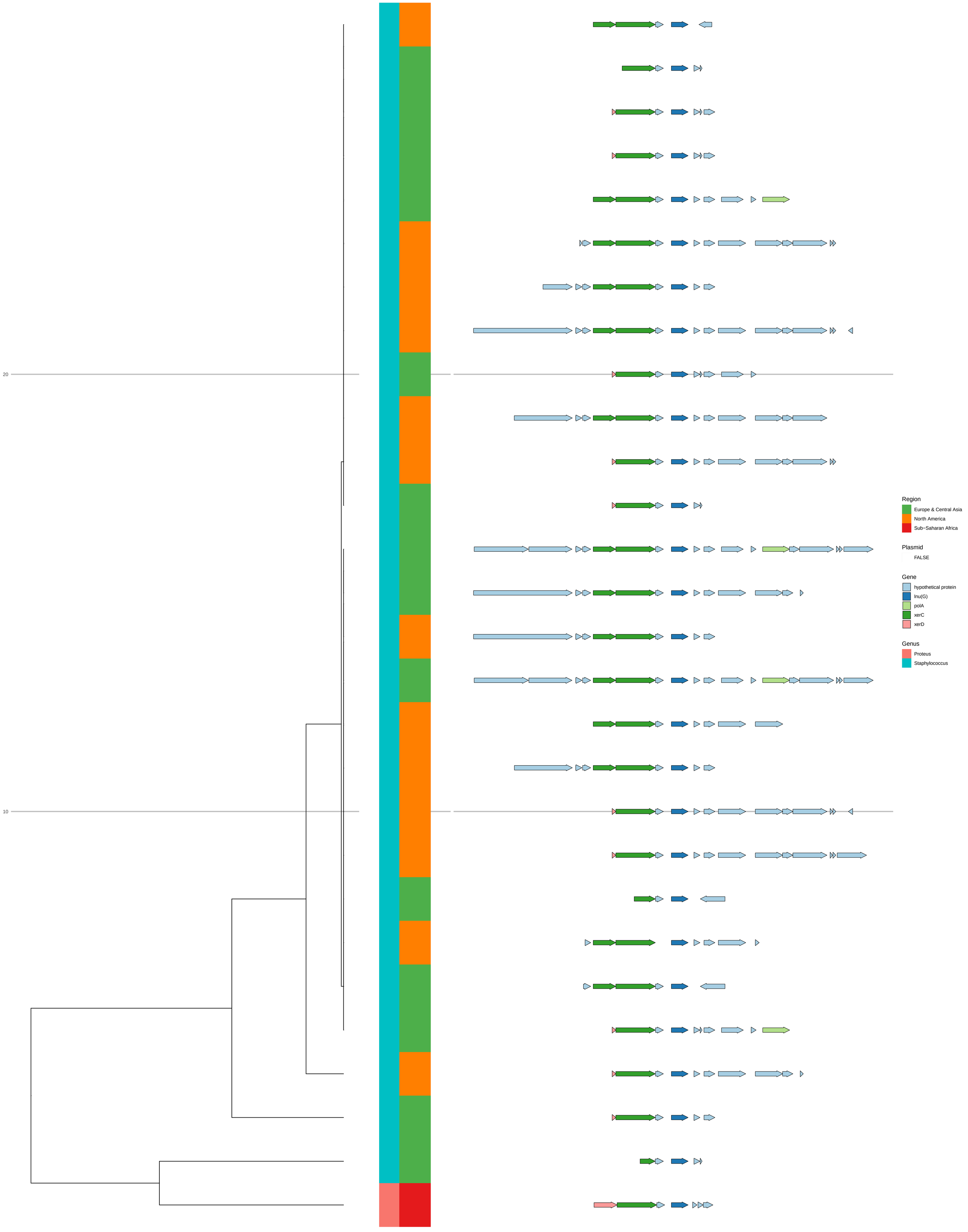
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PlasmidClassified genus Region



PlasmidClassified genus Region


PlasmidClassifierdus
Region
30
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0.06
0.09
−10000
−5000
0
5000
10000
Region
Europe & Central Asia
North America
Sub−Saharan Africa
Plasmid
FALSE
Gene
hypothetical protein
lnu(G)
polA
xerC
xerD
Genus
Proteus
Staphylococcus