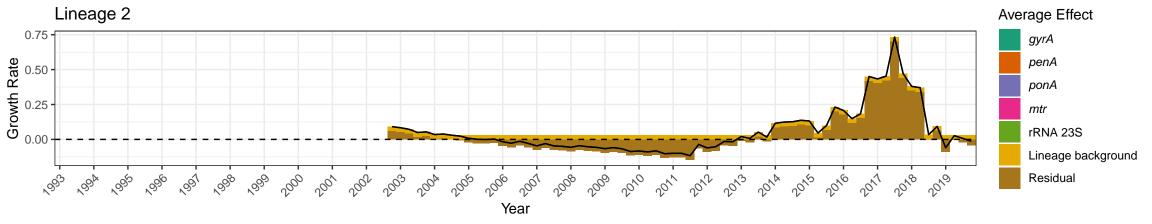
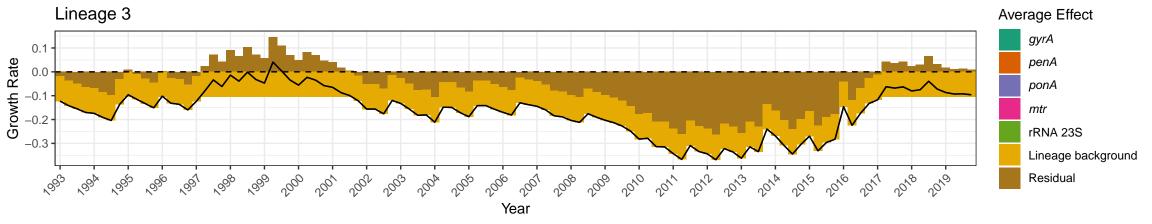


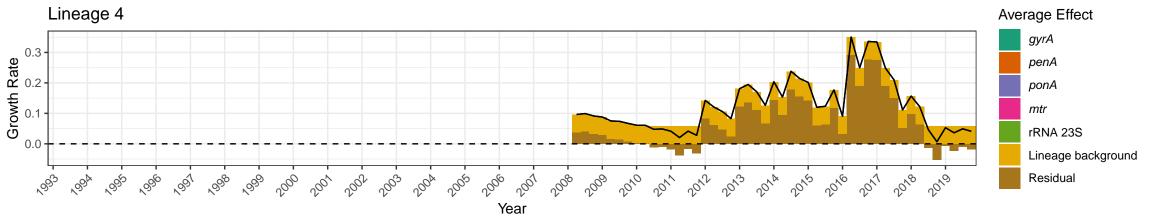
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	-	-	-	_
penA	-	-	_	_
ponA	_	_	-	-
mtr	-	-	_	-
rRNA 23S	-	_	-	_
Lineage background	0.01 (-0.11, 0.17)	0.01 (-0.11, 0.17)	0.01 (-0.11, 0.17)	0.01 (-0.11, 0.17)
Residual	-0.00 (-0.13, 0.13)	-0.03 (-0.30, 0.22)	0.12 (-0.20, 0.43)	0.02 (-0.14, 0.18)
AMR Total	-	-	-	_
Total	0.01 (-0.17, 0.20)	-0.02 (-0.32, 0.28)	0.13 (-0.20, 0.47)	0.04 (-0.16, 0.23)



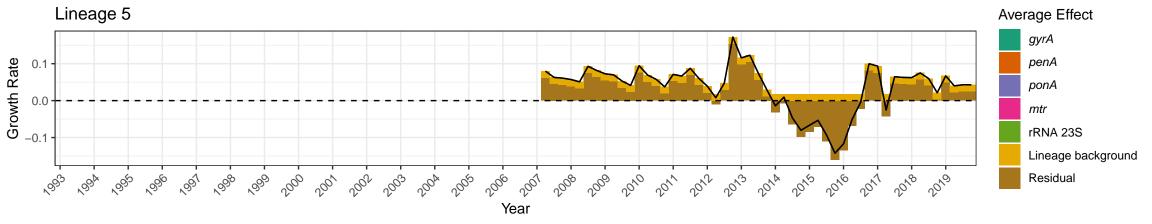
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	-	-	-	_
penA	_	_	_	_
ponA	_	_	-	_
mtr	-	-	-	_
rRNA 23S	-	-	-	_
Lineage background	0.02 (-0.07, 0.15)	0.02 (-0.07, 0.15)	0.02 (-0.07, 0.15)	0.02 (-0.07, 0.15)
Residual	-0.00 (-0.13, 0.13)	-0.08 (-0.35, 0.18)	-0.11 (-0.46, 0.20)	0.12 (-0.01, 0.27)
AMR Total	-	-	-	_
Total	0.03 (-0.14, 0.20)	-0.06 (-0.34, 0.21)	-0.08 (-0.43, 0.23)	0.15 (0.01, 0.29)



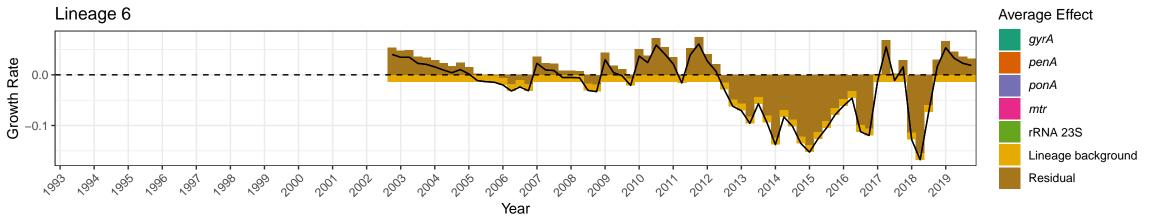
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	_	_	_	-
penA	-	-	_	-
ponA	_	-	_	-
mtr	-	-	_	_
rRNA 23S	-	-	-	-
Lineage background	-0.10 (-0.26, 0.01)	-0.10 (-0.26, 0.01)	-0.10 (-0.26, 0.01)	-0.10 (-0.26, 0.01)
Residual	-0.01 (-0.13, 0.10)	-0.09 (-0.37, 0.17)	-0.21 (-0.56, 0.12)	-0.10 (-0.26, 0.06)
AMR Total	-	-	_	_
Total	-0.11 (-0.27, 0.03)	-0.20 (-0.47, 0.08)	-0.32 (-0.65, 0.01)	-0.21 (-0.36, -0.06)



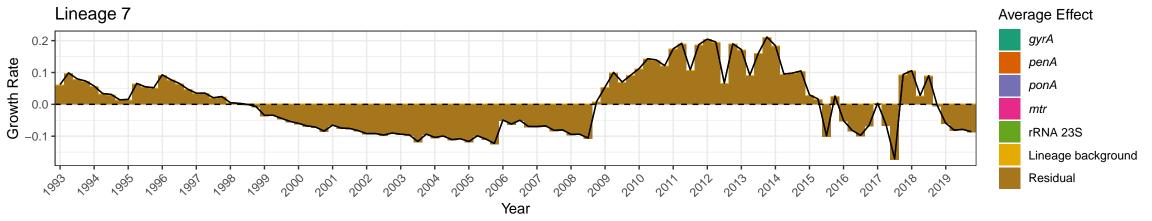
Contribution	1993-2007	2007–2010	2010–2012	2012–2019
gyrA	_	-	-	_
penA	_	_	_	_
ponA	_	_	_	-
mtr	_	-	-	-
rRNA 23S	-	-	-	_
Lineage background	-	0.04 (-0.06, 0.23)	0.04 (-0.06, 0.23)	0.04 (-0.06, 0.23)
Residual	_	0.01 (-0.27, 0.30)	-0.01 (-0.35, 0.30)	0.10 (-0.06, 0.26)
AMR Total	-	-	-	-
Total	_	0.08 (-0.24, 0.38)	0.05 (-0.30, 0.37)	0.15 (0.01, 0.32)



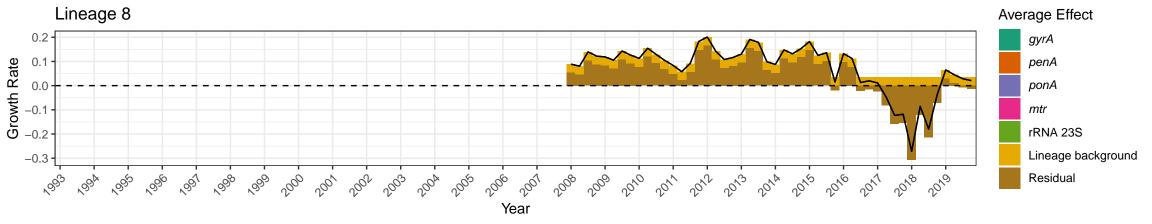
Contribution	1993-2007	2007–2010	2010–2012	2012–2019
gyrA	_	-	-	-
penA	_	-	-	-
ponA	_	-	-	_
mtr	_	-	-	-
rRNA 23S	_	_	_	-
Lineage background	_	0.01 (-0.10, 0.16)	0.01 (-0.10, 0.16)	0.01 (-0.10, 0.16)
Residual	_	0.04 (-0.25, 0.33)	0.05 (-0.27, 0.39)	0.00 (-0.14, 0.14)
AMR Total	_	-	-	-
Total	_	0.06 (-0.26, 0.36)	0.07 (-0.26, 0.41)	0.02 (-0.11, 0.16)



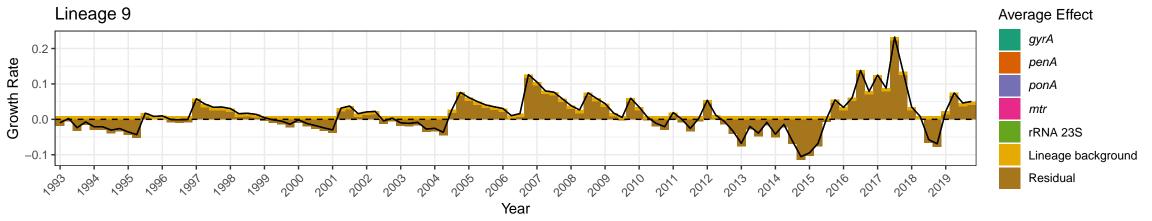
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	-	-	-	_
penA	_	_	_	-
ponA	_	_	_	-
mtr	-	-	-	-
rRNA 23S	-	_	-	_
Lineage background	-0.01 (-0.14, 0.09)	-0.01 (-0.14, 0.09)	-0.01 (-0.14, 0.09)	-0.01 (-0.14, 0.09)
Residual	0.00 (-0.13, 0.14)	0.01 (-0.25, 0.28)	0.05 (-0.28, 0.37)	-0.04 (-0.18, 0.09)
AMR Total	-	_	-	-
Total	-0.01 (-0.18, 0.16)	-0.00 (-0.28, 0.28)	0.04 (-0.29, 0.37)	-0.05 (-0.20, 0.08)



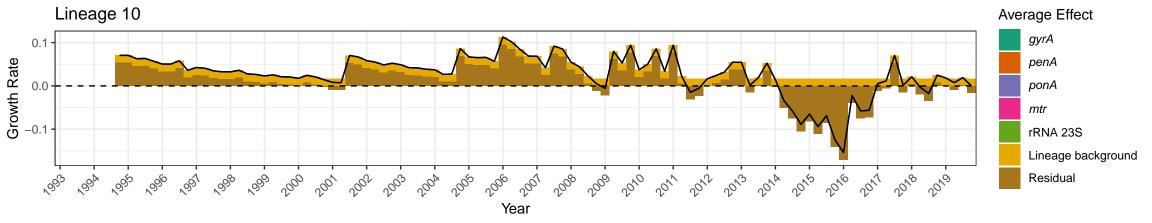
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	-	-	-	_
penA	_	_	-	_
ponA	_	_	_	-
mtr	-	-	-	-
rRNA 23S	-	-	-	_
Lineage background	0.00 (-0.11, 0.11)	0.00 (-0.11, 0.11)	0.00 (-0.11, 0.11)	0.00 (-0.11, 0.11)
Residual	-0.03 (-0.14, 0.08)	-0.03 (-0.28, 0.23)	0.14 (-0.16, 0.47)	0.04 (-0.10, 0.17)
AMR Total	-	-	-	_
Total	-0.03 (-0.16, 0.11)	-0.02 (-0.29, 0.23)	0.14 (-0.16, 0.46)	0.04 (-0.11, 0.19)



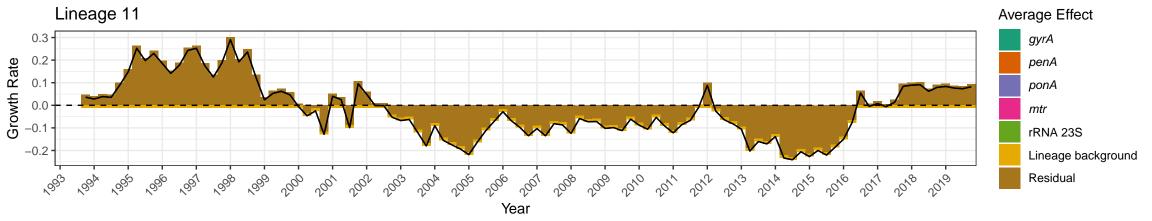
Contribution	1993-2007	2007–2010	2010–2012	2012–2019
gyrA	_	-	-	_
penA	_	-	-	_
ponA	_	-	-	_
mtr	_	-	-	_
rRNA 23S	_	_	_	_
Lineage background	_	0.03 (-0.07, 0.18)	0.03 (-0.07, 0.18)	0.03 (-0.07, 0.18)
Residual	_	0.05 (-0.23, 0.35)	0.08 (-0.24, 0.41)	0.02 (-0.12, 0.16)
AMR Total	_	-	-	_
Total	_	0.08 (-0.21, 0.40)	0.11 (-0.22, 0.44)	0.05 (-0.08, 0.20)



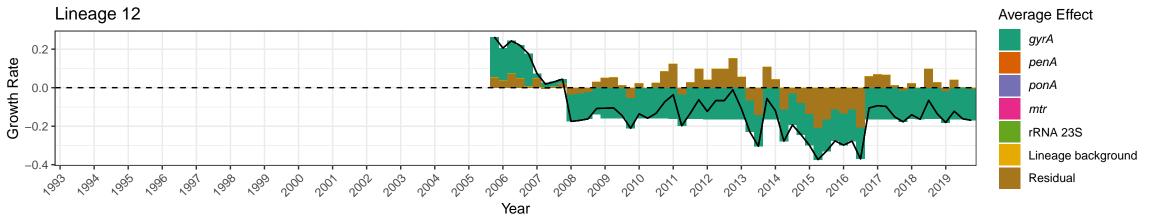
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	-	-	-	_
penA	_	_	-	_
ponA	_	_	-	_
mtr	-	-	-	_
rRNA 23S	-	-	-	_
Lineage background	0.01 (-0.12, 0.14)	0.01 (-0.12, 0.14)	0.01 (-0.12, 0.14)	0.01 (-0.12, 0.14)
Residual	-0.00 (-0.12, 0.12)	0.04 (-0.21, 0.31)	-0.01 (-0.35, 0.32)	0.01 (-0.14, 0.16)
AMR Total	-	-	-	_
Total	0.01 (-0.15, 0.16)	0.05 (-0.22, 0.33)	-0.00 (-0.34, 0.34)	0.02 (-0.15, 0.19)



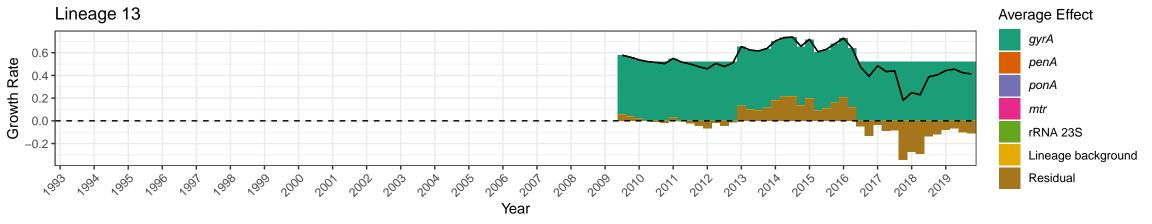
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	-	-	-	_
penA	-	-	-	_
ponA	-	-	-	_
mtr	_	_	_	_
rRNA 23S	_	-	_	_
Lineage background	0.01 (-0.09, 0.14)	0.01 (-0.09, 0.14)	0.01 (-0.09, 0.14)	0.01 (-0.09, 0.14)
Residual	0.03 (-0.10, 0.15)	0.04 (-0.23, 0.29)	0.02 (-0.28, 0.33)	-0.03 (-0.17, 0.11)
AMR Total	_	_	-	_
Total	0.04 (-0.10, 0.19)	0.06 (-0.22, 0.31)	0.04 (-0.26, 0.34)	-0.01 (-0.16, 0.14)



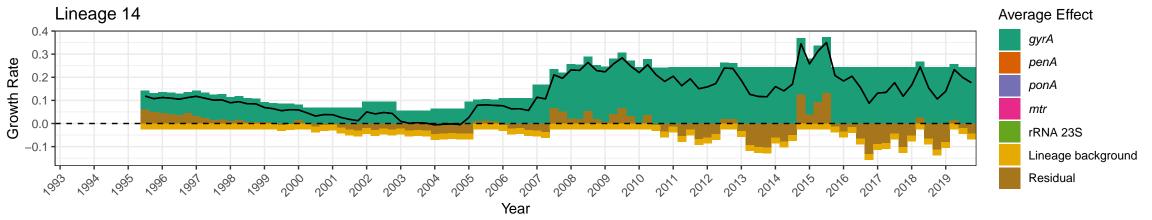
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	-	-	-	_
penA	-	_	-	_
ponA	-	_	_	_
mtr	-	-	-	_
rRNA 23S	-	-	-	-
Lineage background	-0.01 (-0.12, 0.09)	-0.01 (-0.12, 0.09)	-0.01 (-0.12, 0.09)	-0.01 (-0.12, 0.09)
Residual	0.04 (-0.07, 0.15)	-0.08 (-0.33, 0.17)	-0.06 (-0.39, 0.26)	-0.04 (-0.18, 0.09)
AMR Total	-	-	_	_
Total	0.03 (-0.10, 0.16)	-0.09 (-0.34, 0.15)	-0.08 (-0.40, 0.24)	-0.06 (-0.21, 0.10)



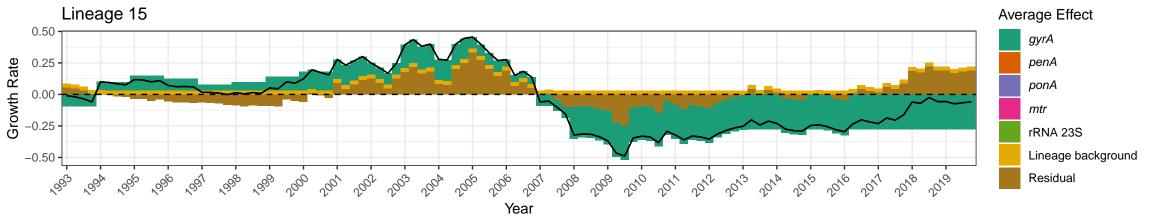
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	0.18 (-0.86, 1.36)	-0.13 (-1.01, 0.98)	-0.20 (-1.07, 0.90)	-0.21 (-1.07, 0.89)
penA	_	-	-	_
ponA	_	_	_	-
mtr	_	-	-	-
rRNA 23S	-	-	-	-
Lineage background	0.00 (-0.15, 0.15)	0.00 (-0.15, 0.15)	0.00 (-0.15, 0.15)	0.00 (-0.15, 0.15)
Residual	0.01 (-0.13, 0.13)	0.01 (-0.26, 0.28)	0.04 (-0.28, 0.36)	-0.02 (-0.19, 0.16)
AMR Total	0.18 (-0.86, 1.36)	-0.13 (-1.01, 0.98)	-0.20 (-1.07, 0.90)	-0.21 (-1.07, 0.89)
Total	0.19 (-0.88, 1.38)	-0.12 (-1.06, 1.01)	-0.14 (-1.12, 1.00)	-0.22 (-1.11, 0.89)



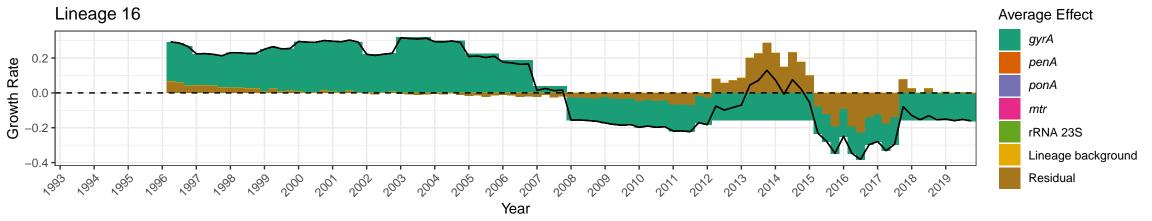
Contribution	1993-2007	2007–2010	2010–2012	2012–2019
gyrA	_	0.50 (0.20, 0.79)	0.52 (0.24, 0.79)	0.52 (0.24, 0.79)
penA	_	-	-	-
ponA	_	-	-	-
mtr	_	-	-	-
rRNA 23S	_	-	_	-
Lineage background	_	0.00 (-0.14, 0.16)	0.00 (-0.14, 0.16)	0.00 (-0.14, 0.16)
Residual	_	0.01 (-0.28, 0.30)	-0.01 (-0.34, 0.33)	0.00 (-0.17, 0.17)
AMR Total	_	0.50 (0.20, 0.79)	0.52 (0.24, 0.79)	0.52 (0.24, 0.79)
Total	_	0.51 (0.11, 0.90)	0.52 (0.10, 0.91)	0.53 (0.29, 0.75)



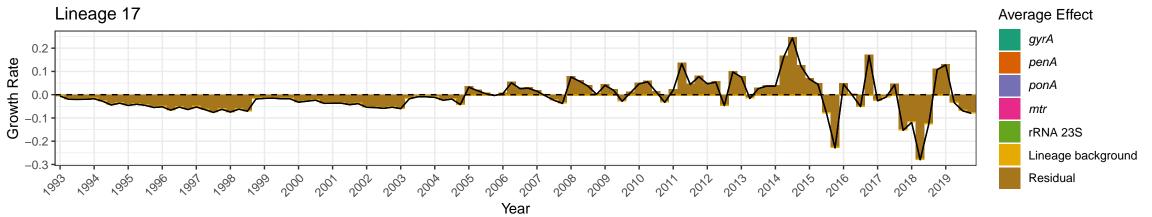
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	0.09 (-0.24, 0.43)	0.21 (0.00, 0.45)	0.24 (0.01, 0.48)	0.24 (0.01, 0.49)
penA	-	-	-	-
ponA	-	-	-	-
mtr	-	-	-	-
rRNA 23S	-	_	-	-
Lineage background	-0.01 (-0.20, 0.11)	-0.01 (-0.20, 0.11)	-0.01 (-0.20, 0.11)	-0.01 (-0.20, 0.11)
Residual	-0.00 (-0.13, 0.12)	0.02 (-0.24, 0.30)	-0.02 (-0.34, 0.31)	-0.04 (-0.20, 0.12)
AMR Total	0.09 (-0.24, 0.43)	0.21 (0.00, 0.45)	0.24 (0.01, 0.48)	0.24 (0.01, 0.49)
Total	0.07 (-0.24, 0.34)	0.21 (-0.10, 0.52)	0.20 (-0.15, 0.55)	0.18 (-0.02, 0.40)



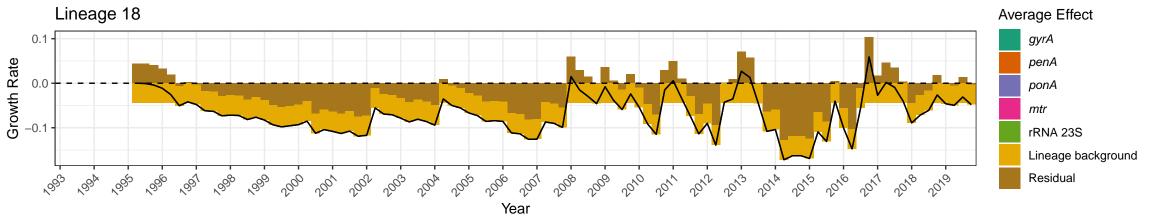
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	0.10 (-0.13, 0.30)	-0.20 (-0.40, -0.01)	-0.27 (-0.48, -0.07)	-0.27 (-0.48, -0.07)
penA	-	-	-	_
ponA	_	-	-	-
mtr	-	-	-	_
rRNA 23S	-	-	-	-
Lineage background	0.02 (-0.10, 0.19)	0.02 (-0.10, 0.19)	0.02 (-0.10, 0.19)	0.02 (-0.10, 0.19)
Residual	0.04 (-0.08, 0.16)	-0.10 (-0.35, 0.14)	-0.09 (-0.41, 0.21)	0.04 (-0.11, 0.21)
AMR Total	0.10 (-0.13, 0.30)	-0.20 (-0.40, -0.01)	-0.27 (-0.48, -0.07)	-0.27 (-0.48, -0.07)
Total	0.16 (0.01, 0.31)	-0.28 (-0.52, -0.04)	-0.34 (-0.65, -0.03)	-0.20 (-0.39, -0.01)



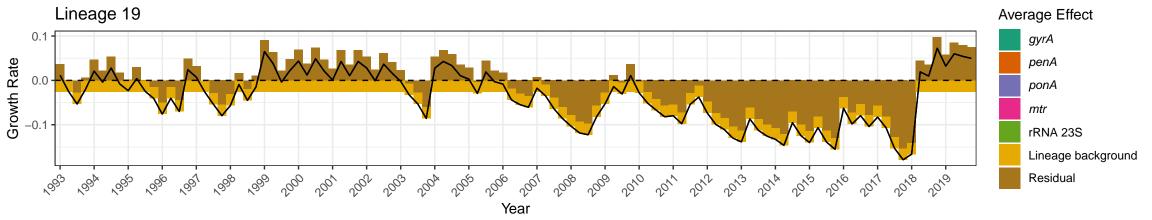
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	0.19 (-0.77, 1.35)	-0.12 (-0.99, 0.95)	-0.19 (-1.06, 0.87)	-0.19 (-1.06, 0.86)
penA	_	_	_	-
ponA	_	_	_	-
mtr	_	_	_	-
rRNA 23S	-	-	_	-
Lineage background	0.00 (-0.16, 0.17)	0.00 (-0.16, 0.17)	0.00 (-0.16, 0.17)	0.00 (-0.16, 0.17)
Residual	0.01 (-0.13, 0.14)	-0.03 (-0.31, 0.26)	-0.04 (-0.41, 0.30)	0.01 (-0.15, 0.18)
AMR Total	0.19 (-0.77, 1.35)	-0.12 (-0.99, 0.95)	-0.19 (-1.06, 0.87)	-0.19 (-1.06, 0.86)
Total	0.20 (-0.77, 1.38)	-0.13 (-1.05, 0.95)	-0.23 (-1.17, 0.89)	-0.17 (-1.06, 0.89)



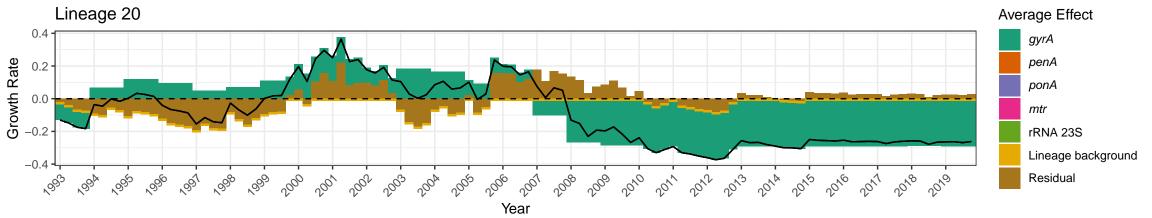
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	-	-	-	-
penA	-	-	-	-
ponA	-	-	-	-
mtr	-	-	-	-
rRNA 23S	-	-	-	-
Lineage background	-0.00 (-0.12, 0.10)	-0.00 (-0.12, 0.10)	-0.00 (-0.12, 0.10)	-0.00 (-0.12, 0.10)
Residual	-0.02 (-0.15, 0.09)	0.02 (-0.24, 0.27)	0.05 (-0.25, 0.35)	0.01 (-0.12, 0.14)
AMR Total	-	-	-	-
Total	-0.03 (-0.18, 0.10)	0.02 (-0.25, 0.27)	0.05 (-0.26, 0.35)	0.01 (-0.14, 0.14)



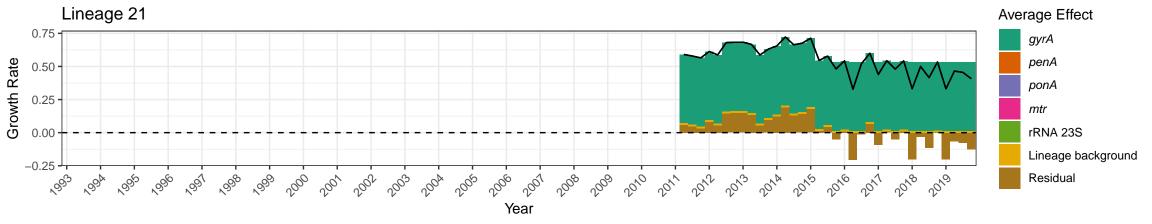
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	-	-	-	-
penA	-	-	-	_
ponA	-	_	_	_
mtr	_	_	-	_
rRNA 23S	_	_	_	_
Lineage background	-0.04 (-0.17, 0.05)	-0.04 (-0.17, 0.05)	-0.04 (-0.17, 0.05)	-0.04 (-0.17, 0.05)
Residual	-0.02 (-0.15, 0.09)	-0.01 (-0.27, 0.24)	-0.02 (-0.32, 0.29)	-0.02 (-0.16, 0.11)
AMR Total	_	-	-	_
Total	-0.07 (-0.22, 0.07)	-0.05 (-0.32, 0.22)	-0.06 (-0.36, 0.24)	-0.07 (-0.21, 0.07)



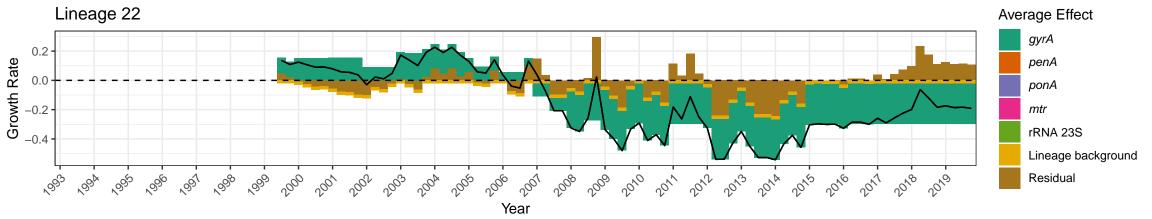
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	-	-	-	_
penA	-	-	-	-
ponA	_	_	_	_
mtr	-	_	-	-
rRNA 23S	-	_	-	_
Lineage background	-0.02 (-0.17, 0.09)	-0.02 (-0.17, 0.09)	-0.02 (-0.17, 0.09)	-0.02 (-0.17, 0.09)
Residual	0.02 (-0.09, 0.13)	-0.03 (-0.30, 0.23)	-0.04 (-0.35, 0.28)	-0.06 (-0.22, 0.09)
AMR Total	-	-	-	-
Total	-0.01 (-0.17, 0.14)	-0.06 (-0.34, 0.22)	-0.07 (-0.39, 0.27)	-0.08 (-0.26, 0.09)



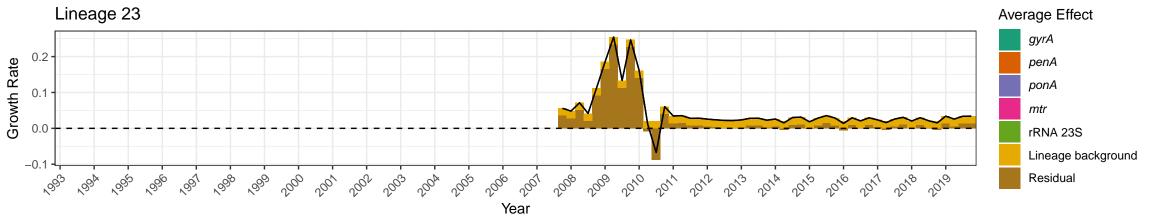
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	0.10 (-0.13, 0.30)	-0.20 (-0.40, -0.01)	-0.27 (-0.48, -0.07)	-0.27 (-0.48, -0.07)
penA	-	-	-	_
ponA	-	-	-	-
mtr	-	-	-	_
rRNA 23S	-	-	-	-
Lineage background	-0.01 (-0.18, 0.13)	-0.01 (-0.18, 0.13)	-0.01 (-0.18, 0.13)	-0.01 (-0.18, 0.13)
Residual	-0.04 (-0.16, 0.09)	0.10 (-0.14, 0.35)	-0.02 (-0.35, 0.29)	0.01 (-0.15, 0.18)
AMR Total	0.10 (-0.13, 0.30)	-0.20 (-0.40, -0.01)	-0.27 (-0.48, -0.07)	-0.27 (-0.48, -0.07)
Total	0.05 (-0.25, 0.31)	-0.12 (-0.46, 0.23)	-0.31 (-0.71, 0.09)	-0.28 (-0.56, -0.00)



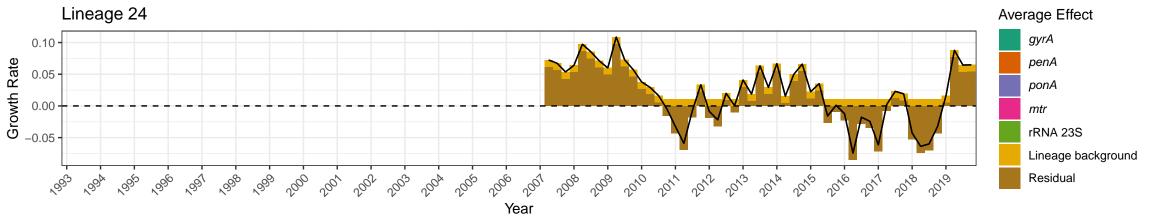
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	_	_	0.52 (0.24, 0.79)	0.52 (0.24, 0.79)
penA	_	_	_	-
ponA	_	_	-	-
mtr	_	_	-	-
rRNA 23S	_	_	_	-
Lineage background	_	_	0.01 (-0.13, 0.18)	0.01 (-0.13, 0.18)
Residual	_	_	0.02 (-0.32, 0.37)	0.02 (-0.15, 0.18)
AMR Total	_	_	0.52 (0.24, 0.79)	0.52 (0.24, 0.79)
Total	_	_	0.55 (0.11, 0.98)	0.55 (0.26, 0.85)



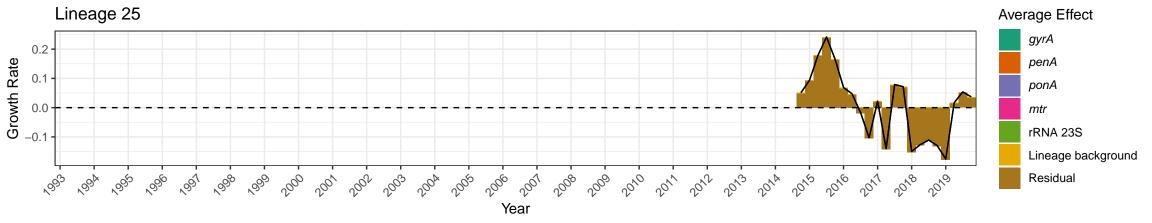
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	0.10 (-0.13, 0.30)	-0.20 (-0.40, -0.01)	-0.27 (-0.48, -0.07)	-0.27 (-0.48, -0.07)
penA	-	-	_	-
ponA	-	_	_	-
mtr	-	-	-	_
rRNA 23S	_	-	_	-
Lineage background	-0.01 (-0.18, 0.12)	-0.01 (-0.18, 0.12)	-0.01 (-0.18, 0.12)	-0.01 (-0.18, 0.12)
Residual	-0.01 (-0.13, 0.12)	-0.02 (-0.27, 0.23)	0.00 (-0.26, 0.27)	-0.02 (-0.18, 0.13)
AMR Total	0.10 (-0.13, 0.30)	-0.20 (-0.40, -0.01)	-0.27 (-0.48, -0.07)	-0.27 (-0.48, -0.07)
Total	0.07 (-0.21, 0.33)	-0.24 (-0.57, 0.07)	-0.29 (-0.61, 0.02)	-0.32 (-0.58, -0.07)



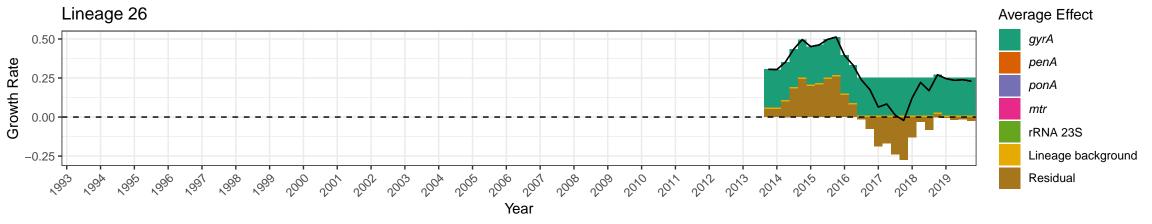
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	_	-	-	_
penA	_	-	-	-
ponA	_	-	-	_
mtr	_	-	-	-
rRNA 23S	_	_	_	-
Lineage background	_	0.01 (-0.12, 0.18)	0.01 (-0.12, 0.18)	0.01 (-0.12, 0.18)
Residual	_	0.08 (-0.19, 0.36)	0.02 (-0.32, 0.36)	0.01 (-0.16, 0.17)
AMR Total	-	-	-	-
Total	_	0.10 (-0.20, 0.41)	0.04 (-0.32, 0.38)	0.03 (-0.18, 0.23)



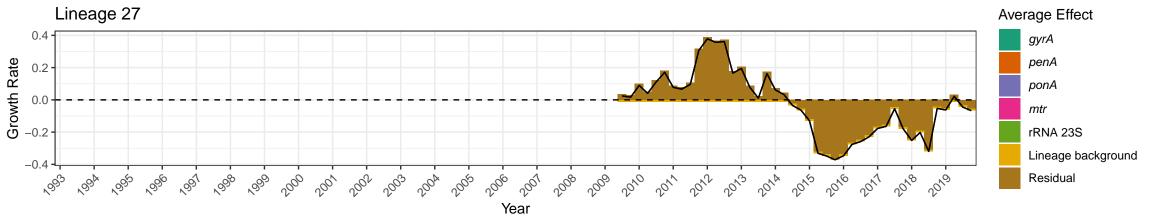
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	_	-	-	_
penA	_	_	_	-
ponA	_	_	-	-
mtr	_	-	-	-
rRNA 23S	_	_	-	-
Lineage background	_	0.01 (-0.10, 0.14)	0.01 (-0.10, 0.14)	0.01 (-0.10, 0.14)
Residual	_	0.06 (-0.21, 0.35)	-0.01 (-0.33, 0.32)	-0.00 (-0.14, 0.13)
AMR Total	_	-	-	-
Total	_	0.07 (-0.21, 0.36)	0.00 (-0.32, 0.32)	0.01 (-0.13, 0.15)



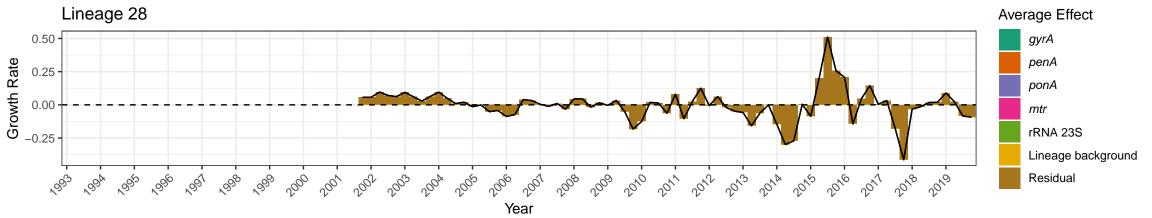
Contribution	1993–2007	2007–2010	2010-2012	2012–2019
gyrA	_	_	_	-
penA	_	_	-	-
ponA	_	_	_	-
mtr	_	_	_	-
rRNA 23S	_	-	-	-
Lineage background	_	_	-	0.00 (-0.17, 0.17)
Residual	_	_	_	0.01 (-0.17, 0.18)
AMR Total	-	-	-	-
Total	_	_	_	0.01 (-0.23, 0.25)



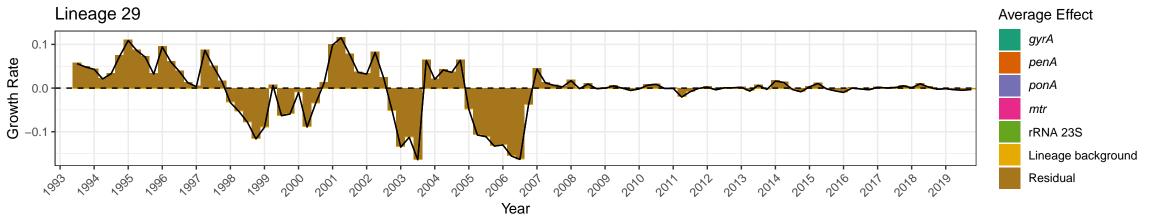
Contribution	1993–2007	2007–2010	2010-2012	2012–2019
gyrA	_	-	-	0.24 (0.01, 0.49)
penA	-	-	-	-
ponA	-	-	-	-
mtr	-	-	-	-
rRNA 23S	-	-	-	-
Lineage background	-	-	-	0.00 (-0.15, 0.17)
Residual	_	_	_	0.02 (-0.15, 0.18)
AMR Total	-	_	_	0.24 (0.01, 0.49)
Total	_	_	_	0.27 (0.01, 0.54)



Contribution	1993-2007	2007–2010	2010–2012	2012–2019
gyrA	_	-	_	_
penA	_	-	_	_
ponA	_	-	_	_
mtr	_	-	-	_
rRNA 23S	_	-	_	_
Lineage background	_	-0.01 (-0.17, 0.14)	-0.01 (-0.17, 0.14)	-0.01 (-0.17, 0.14)
Residual	_	0.01 (-0.28, 0.30)	0.13 (-0.18, 0.46)	-0.06 (-0.23, 0.11)
AMR Total	_	-	-	_
Total	-	-0.00 (-0.33, 0.32)	0.12 (-0.23, 0.48)	-0.07 (-0.28, 0.14)



Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	-	-	-	_
penA	-	_	-	-
ponA	-	-	-	_
mtr	_	-	-	-
rRNA 23S	_	_	_	_
Lineage background	0.00 (-0.17, 0.16)	0.00 (-0.17, 0.16)	0.00 (-0.17, 0.16)	0.00 (-0.17, 0.16)
Residual	0.01 (-0.12, 0.14)	-0.01 (-0.28, 0.26)	-0.00 (-0.30, 0.29)	-0.01 (-0.18, 0.15)
AMR Total	-	-	-	-
Total	0.01 (-0.20, 0.21)	-0.01 (-0.32, 0.29)	-0.00 (-0.34, 0.33)	-0.01 (-0.24, 0.20)



Contribution	1993–2007	2007–2010	2010–2012	2012–2019
gyrA	-	-	-	_
penA	_	_	_	-
ponA	-	_	_	-
mtr	-	-	-	-
rRNA 23S	-	_	-	-
Lineage background	-0.00 (-0.17, 0.16)	-0.00 (-0.17, 0.16)	-0.00 (-0.17, 0.16)	-0.00 (-0.17, 0.16)
Residual	-0.00 (-0.14, 0.13)	0.01 (-0.28, 0.30)	0.00 (-0.35, 0.34)	0.00 (-0.17, 0.18)
AMR Total	-	-	-	-
Total	-0.01 (-0.21, 0.19)	0.01 (-0.32, 0.33)	-0.00 (-0.38, 0.37)	0.00 (-0.23, 0.24)