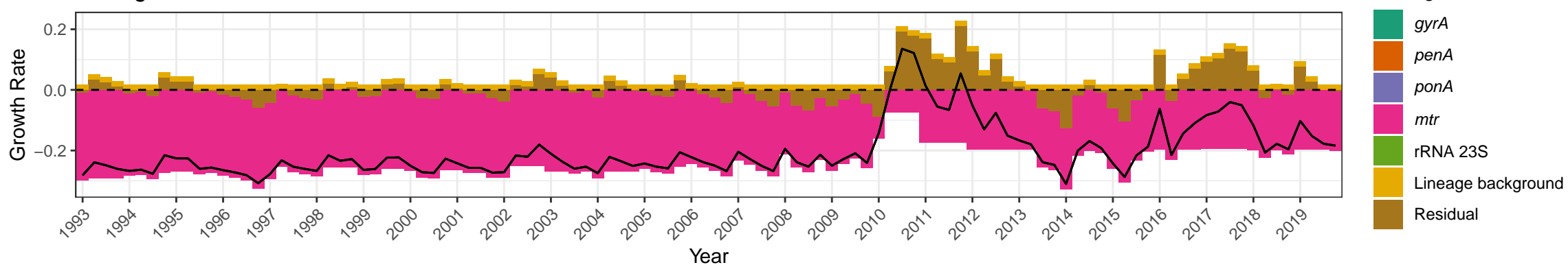
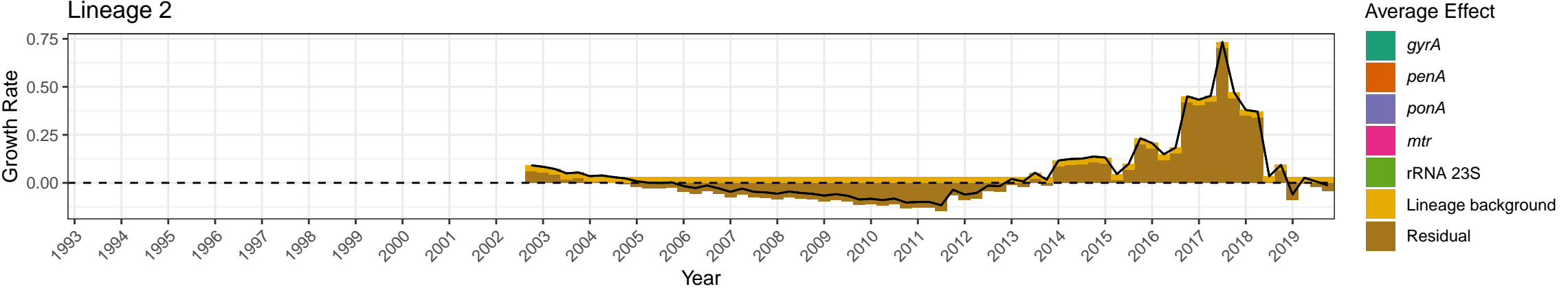


Lineage 1

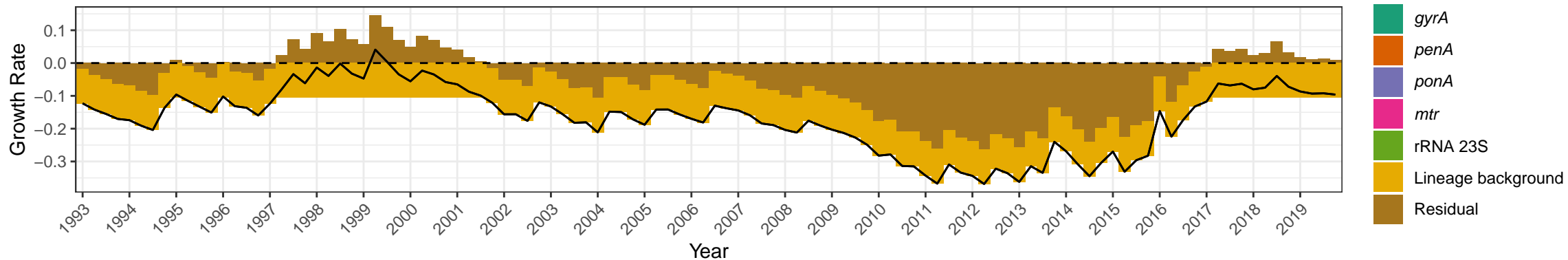


Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–	–	–	–
<i>mtr</i>	–0.26 (–0.52, –0.03)	–0.22 (–0.54, 0.11)	–0.12 (–0.48, 0.24)	–0.20 (–0.41, 0.02)
rRNA 23S	–	–	–	–
Lineage background	0.01 (–0.11, 0.17)	0.01 (–0.11, 0.17)	0.01 (–0.11, 0.17)	0.01 (–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	–0.26 (–0.52, –0.03)	–0.22 (–0.54, 0.11)	–0.12 (–0.48, 0.24)	–0.20 (–0.41, 0.02)
Total	–0.25 (–0.43, –0.07)	–0.23 (–0.56, 0.09)	0.01 (–0.39, 0.40)	–0.16 (–0.30, –0.02)



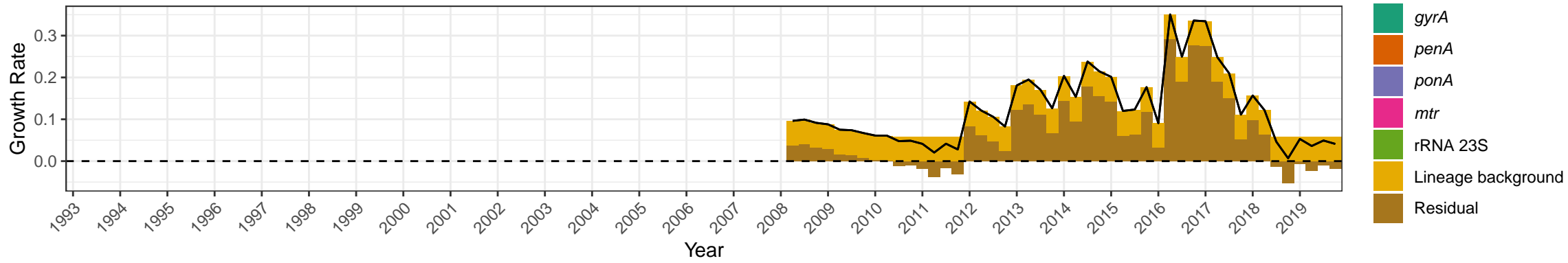
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–	–	–	–
<i>mtr</i>	–	–	–	–
rRNA 23S	–	–	–	–
Lineage background	0.02 (–0.07, 0.15)	0.02 (–0.07, 0.15)	0.02 (–0.07, 0.15)	0.02 (–0.07, 0.15)
Residual	–0.00 (–0.13, 0.13)	–0.08 (–0.35, 0.18)	–0.11 (–0.46, 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)

Lineage 3



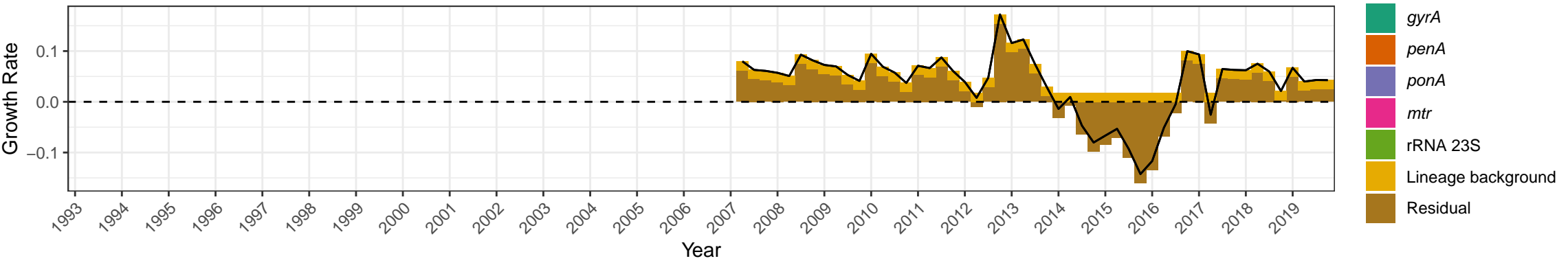
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–	–	–	–
<i>mtr</i>	–	–	–	–
rRNA 23S	–	–	–	–
Lineage background	–0.10 (–0.26, 0.01)	–0.10 (–0.26, 0.01)	–0.10 (–0.26, 0.01)	–0.10 (–0.26, 0.01)
Residual	–0.01 (–0.13, 0.10)	–0.09 (–0.37, 0.17)	–0.21 (–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)

Lineage 4



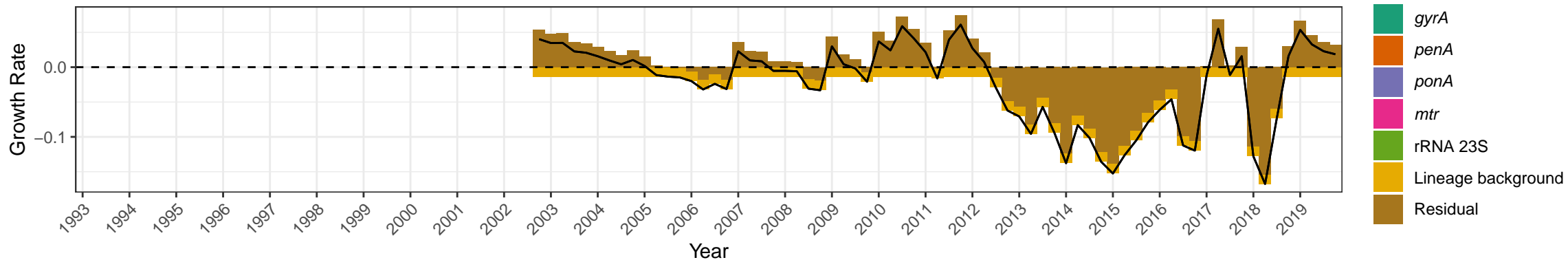
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–	–	–	–
<i>mtr</i>	–	–	–	–
rRNA 23S	–	–	–	–
Lineage background	–	0.04 (–0.06, 0.23)	0.04 (–0.06, 0.23)	0.04 (–0.06, 0.23)
Residual	–	0.01 (–0.27, 0.30)	–0.01 (–0.35, 0.30)	0.10 (–0.06, 0.26)
AMR Total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

Lineage 5



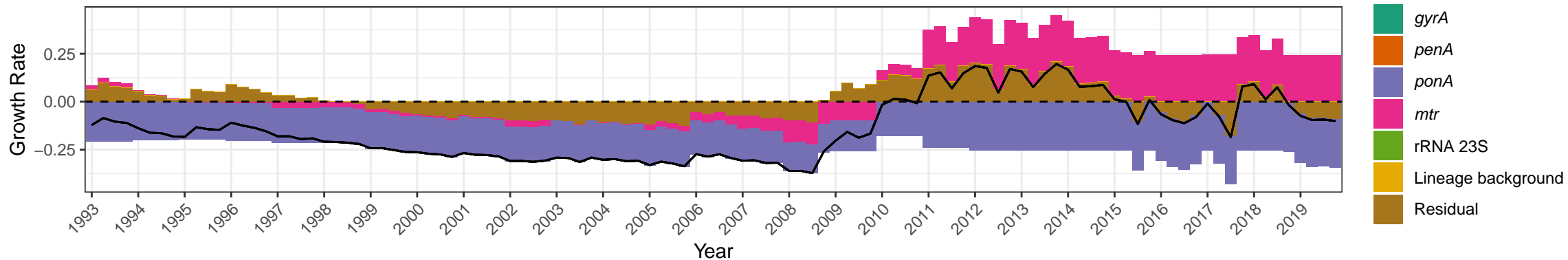
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–	–	–	–
<i>mtr</i>	–	–	–	–
rRNA 23S	–	–	–	–
Lineage background	–	0.01 (–0.10, 0.16)	0.01 (–0.10, 0.16)	0.01 (–0.10, 0.16)
Residual	–	0.04 (–0.25, 0.33)	0.05 (–0.27, 0.39)	0.00 (–0.14, 0.14)
AMR Total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

Lineage 6



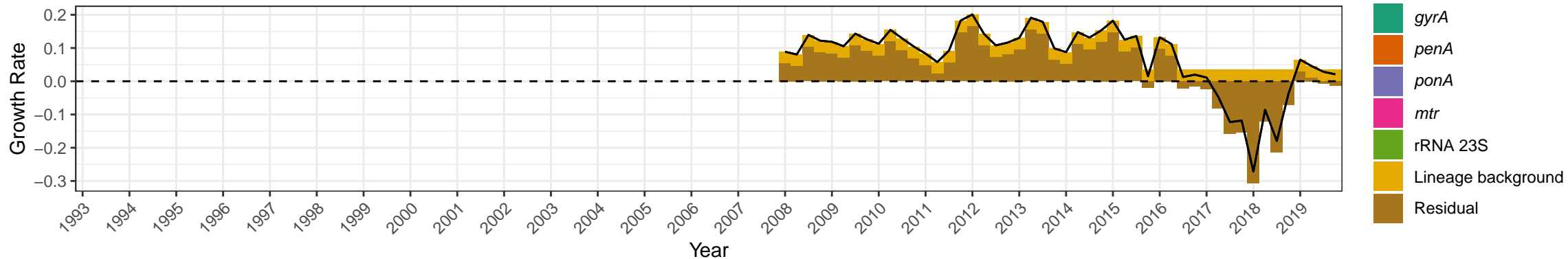
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–	–	–	–
<i>mtr</i>	–	–	–	–
rRNA 23S	–	–	–	–
Lineage background	–0.01 (–0.14, 0.09)	–0.01 (–0.14, 0.09)	–0.01 (–0.14, 0.09)	–0.01 (–0.14, 0.09)
Residual	0.00 (–0.13, 0.14)	0.01 (–0.25, 0.28)	0.05 (–0.28, 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)

Lineage 7



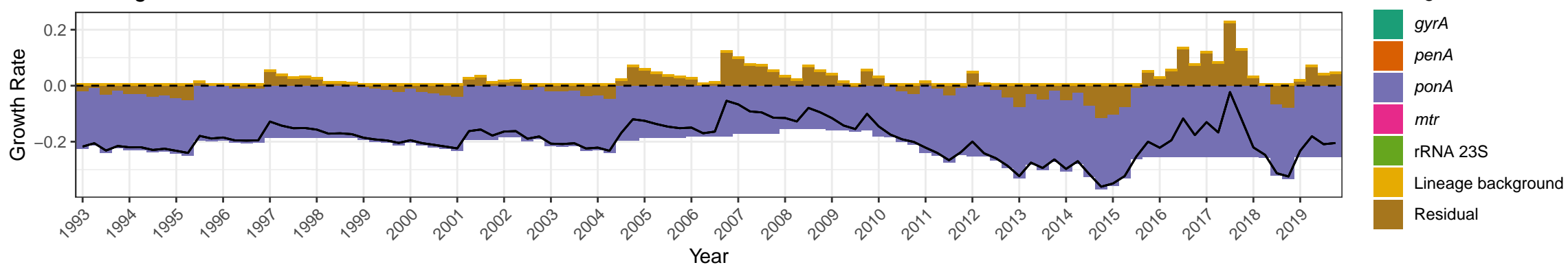
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–0.19 (–0.39, –0.02)	–0.16 (–0.42, 0.08)	–0.20 (–0.38, –0.05)	–0.26 (–0.46, –0.05)
<i>mtr</i>	–0.01 (–0.21, 0.17)	–0.09 (–0.36, 0.17)	0.13 (–0.16, 0.42)	0.24 (0.03, 0.45)
rRNA 23S	–	–	–	–
Lineage 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	–0.20 (–0.40, –0.03)	–0.25 (–0.52, –0.01)	–0.09 (–0.35, 0.18)	–0.02 (–0.17, 0.14)
Total	–0.23 (–0.41, –0.07)	–0.27 (–0.61, 0.06)	0.06 (–0.30, 0.44)	0.02 (–0.12, 0.17)

Lineage 8



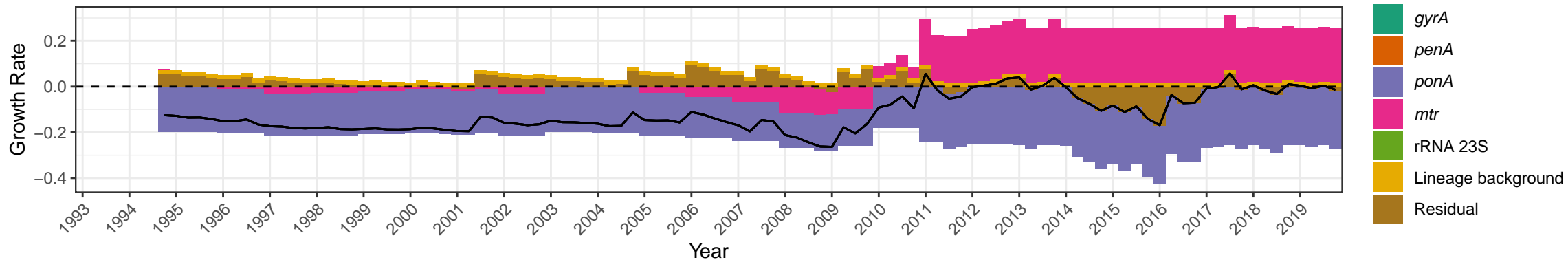
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–	–	–	–
<i>mtr</i>	–	–	–	–
rRNA 23S	–	–	–	–
Lineage background	–	0.03 (–0.07, 0.18)	0.03 (–0.07, 0.18)	0.03 (–0.07, 0.18)
Residual	–	0.05 (–0.23, 0.35)	0.08 (–0.24, 0.41)	0.02 (–0.12, 0.16)
AMR Total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

Lineage 9



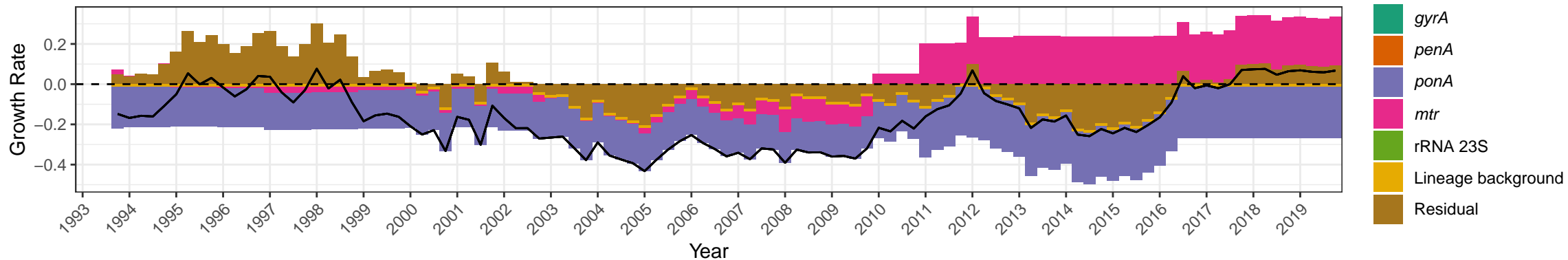
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–0.19 (–0.39, –0.02)	–0.16 (–0.42, 0.08)	–0.20 (–0.38, –0.05)	–0.26 (–0.46, –0.05)
<i>mtr</i>	–	–	–	–
rRNA 23S	–	–	–	–
Lineage background	0.01 (–0.12, 0.14)	0.01 (–0.12, 0.14)	0.01 (–0.12, 0.14)	0.01 (–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	–0.19 (–0.39, –0.02)	–0.16 (–0.42, 0.08)	–0.20 (–0.38, –0.05)	–0.26 (–0.46, –0.05)
Total	–0.18 (–0.36, –0.03)	–0.11 (–0.42, 0.18)	–0.21 (–0.54, 0.11)	–0.24 (–0.40, –0.08)

Lineage 10



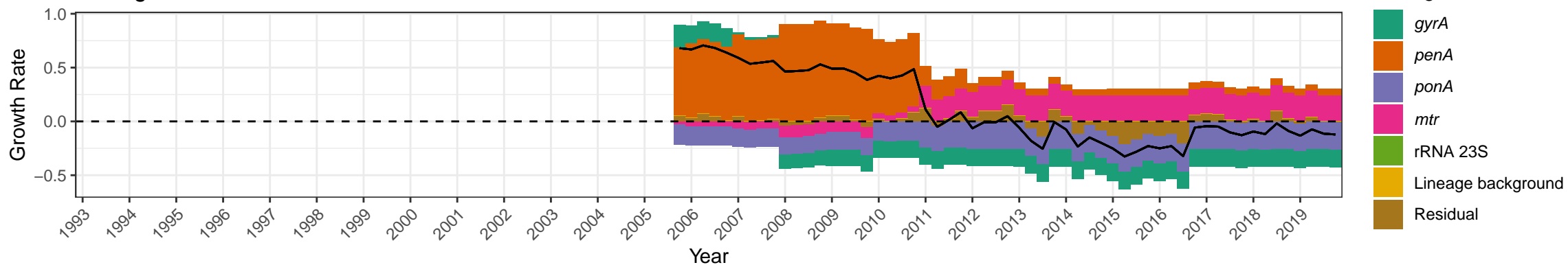
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–0.19 (–0.39, –0.02)	–0.16 (–0.42, 0.08)	–0.20 (–0.38, –0.05)	–0.26 (–0.46, –0.05)
<i>mtr</i>	–0.01 (–0.21, 0.17)	–0.09 (–0.36, 0.17)	0.13 (–0.16, 0.42)	0.24 (0.03, 0.45)
rRNA 23S	–	–	–	–
Lineage 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	–0.20 (–0.40, –0.03)	–0.25 (–0.52, –0.01)	–0.09 (–0.35, 0.18)	–0.02 (–0.17, 0.14)
Total	–0.16 (–0.36, 0.03)	–0.20 (–0.53, 0.12)	–0.05 (–0.42, 0.34)	–0.03 (–0.19, 0.12)

Lineage 11

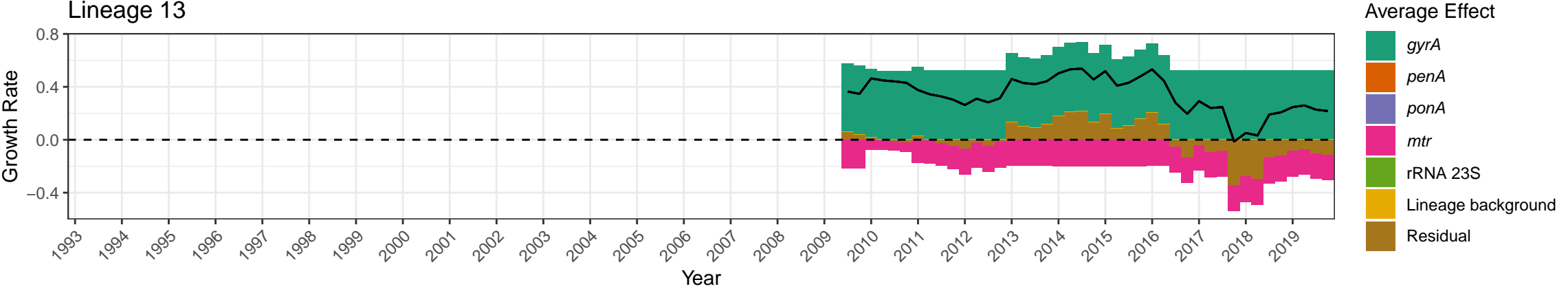


Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–0.19 (–0.39, –0.02)	–0.16 (–0.42, 0.08)	–0.20 (–0.38, –0.05)	–0.26 (–0.46, –0.05)
<i>mtr</i>	–0.01 (–0.21, 0.17)	–0.09 (–0.36, 0.17)	0.13 (–0.16, 0.42)	0.24 (0.03, 0.45)
rRNA 23S	–	–	–	–
Lineage 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	–0.20 (–0.40, –0.03)	–0.25 (–0.52, –0.01)	–0.09 (–0.35, 0.18)	–0.02 (–0.17, 0.14)
Total	–0.18 (–0.36, –0.01)	–0.34 (–0.66, –0.04)	–0.17 (–0.53, 0.22)	–0.07 (–0.23, 0.09)

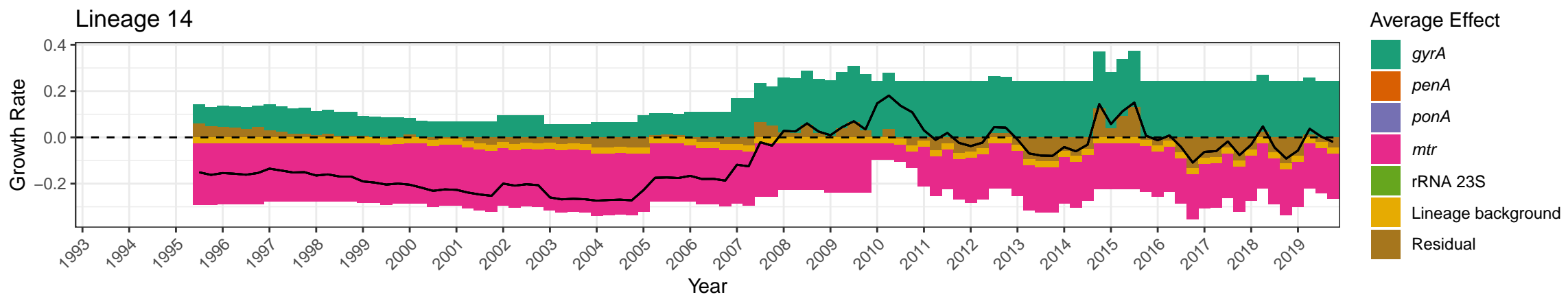
Lineage 12



Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	0.18 (−0.86, 1.36)	−0.13 (−1.01, 0.98)	−0.20 (−1.07, 0.90)	−0.21 (−1.07, 0.89)
<i>penA</i>	0.62 (−0.51, 1.53)	0.86 (−0.27, 1.84)	0.47 (−0.64, 1.36)	0.10 (−0.99, 0.99)
<i>ponA</i>	−0.19 (−0.39, −0.02)	−0.16 (−0.42, 0.08)	−0.20 (−0.38, −0.05)	−0.26 (−0.46, −0.05)
<i>mtr</i>	−0.01 (−0.21, 0.17)	−0.09 (−0.36, 0.17)	0.13 (−0.16, 0.42)	0.24 (0.03, 0.45)
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	0.59 (0.00, 1.18)	0.49 (0.06, 0.90)	0.19 (−0.13, 0.53)	−0.12 (−0.37, 0.14)
Total	0.59 (0.03, 1.17)	0.50 (0.13, 0.84)	0.24 (−0.10, 0.57)	−0.13 (−0.27, 0.01)

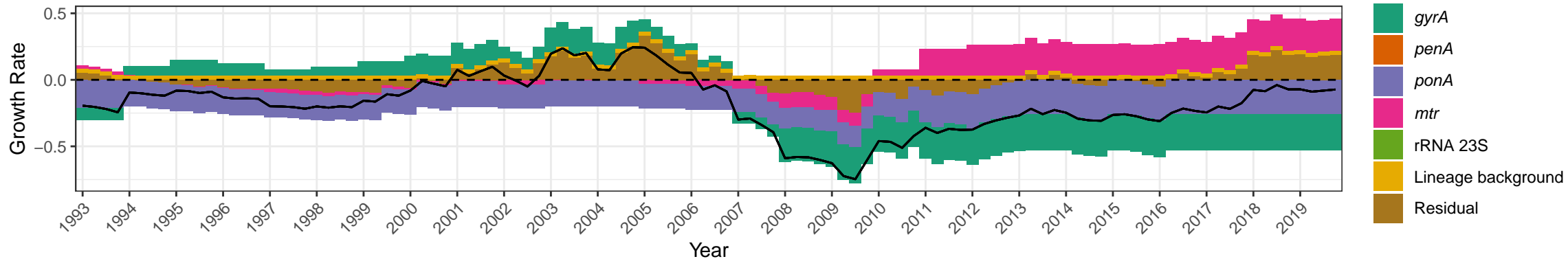


Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	0.50 (0.20, 0.79)	0.52 (0.24, 0.79)	0.52 (0.24, 0.79)
<i>penA</i>	–	–	–	–
<i>ponA</i>	–	–	–	–
<i>mtr</i>	–	–0.22 (–0.54, 0.11)	–0.12 (–0.48, 0.24)	–0.20 (–0.41, 0.02)
rRNA 23S	–	–	–	–
Lineage background	–	0.00 (–0.14, 0.16)	0.00 (–0.14, 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	–	0.28 (–0.14, 0.69)	0.40 (–0.00, 0.77)	0.32 (0.07, 0.58)
Total	–	0.29 (–0.18, 0.78)	0.40 (–0.09, 0.85)	0.33 (0.16, 0.48)



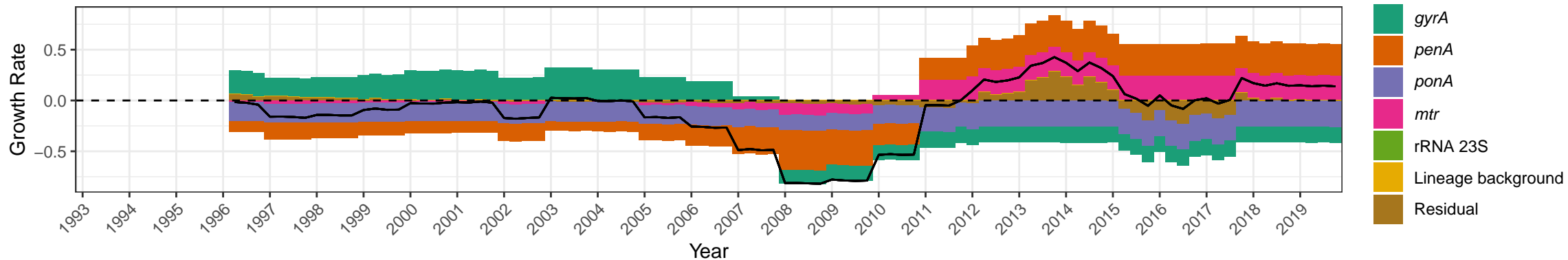
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	0.09 (−0.24, 0.43)	0.21 (0.00, 0.45)	0.24 (0.01, 0.48)	0.24 (0.01, 0.49)
<i>penA</i>	–	–	–	–
<i>ponA</i>	–	–	–	–
<i>mtr</i>	−0.26 (−0.52, −0.03)	−0.22 (−0.54, 0.11)	−0.12 (−0.48, 0.24)	−0.20 (−0.41, 0.02)
rRNA 23S	–	–	–	–
Lineage background	−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	−0.17 (−0.50, 0.13)	−0.00 (−0.33, 0.34)	0.12 (−0.24, 0.48)	0.04 (−0.18, 0.28)
Total	−0.19 (−0.48, 0.04)	0.00 (−0.37, 0.37)	0.08 (−0.33, 0.47)	−0.01 (−0.15, 0.13)

Lineage 15



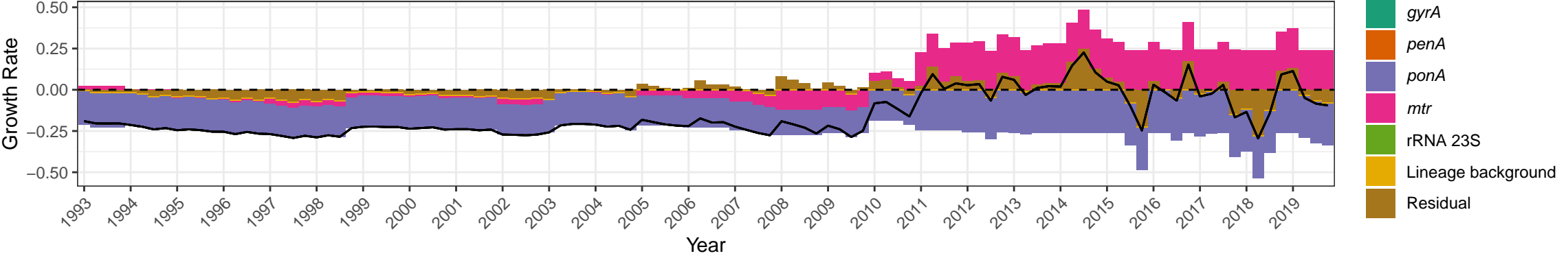
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	0.10 (−0.13, 0.30)	−0.20 (−0.40, −0.01)	−0.27 (−0.48, −0.07)	−0.27 (−0.48, −0.07)
<i>penA</i>	–	–	–	–
<i>ponA</i>	−0.19 (−0.39, −0.02)	−0.16 (−0.42, 0.08)	−0.20 (−0.38, −0.05)	−0.26 (−0.46, −0.05)
<i>mtr</i>	−0.01 (−0.21, 0.17)	−0.09 (−0.36, 0.17)	0.13 (−0.16, 0.42)	0.24 (0.03, 0.45)
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 (−0.37, 0.12)	−0.45 (−0.77, −0.18)	−0.36 (−0.64, −0.07)	−0.29 (−0.50, −0.09)
Total	−0.04 (−0.23, 0.13)	−0.53 (−0.82, −0.25)	−0.42 (−0.78, −0.07)	−0.22 (−0.40, −0.03)

Lineage 16



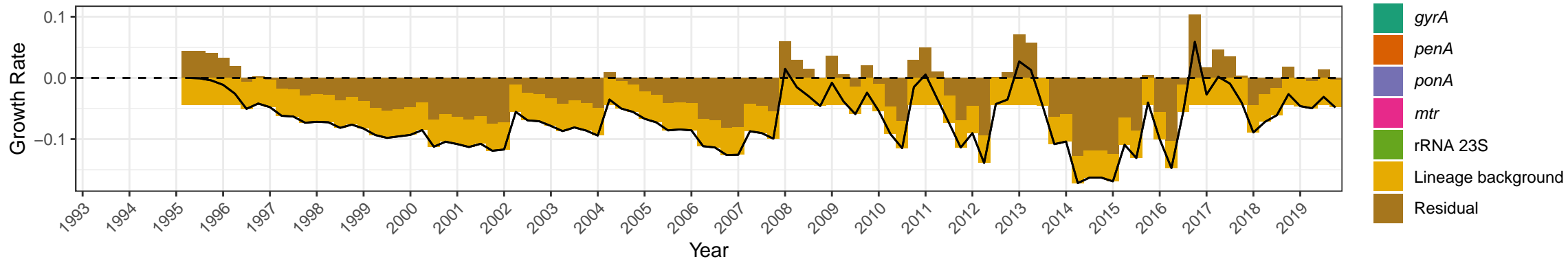
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	0.19 (−0.77, 1.35)	−0.12 (−0.99, 0.95)	−0.19 (−1.06, 0.87)	−0.19 (−1.06, 0.86)
<i>penA</i>	−0.09 (−1.21, 0.83)	−0.30 (−1.51, 0.68)	0.03 (−1.06, 0.93)	0.34 (−0.71, 1.23)
<i>ponA</i>	−0.19 (−0.39, −0.02)	−0.16 (−0.42, 0.08)	−0.20 (−0.38, −0.05)	−0.26 (−0.46, −0.05)
<i>mtr</i>	−0.01 (−0.21, 0.17)	−0.09 (−0.36, 0.17)	0.13 (−0.16, 0.42)	0.24 (0.03, 0.45)
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	−0.10 (−0.47, 0.23)	−0.67 (−1.21, −0.17)	−0.23 (−0.62, 0.14)	0.14 (−0.17, 0.44)
Total	−0.09 (−0.41, 0.19)	−0.69 (−1.24, −0.20)	−0.28 (−0.74, 0.15)	0.16 (−0.04, 0.37)

Lineage 17



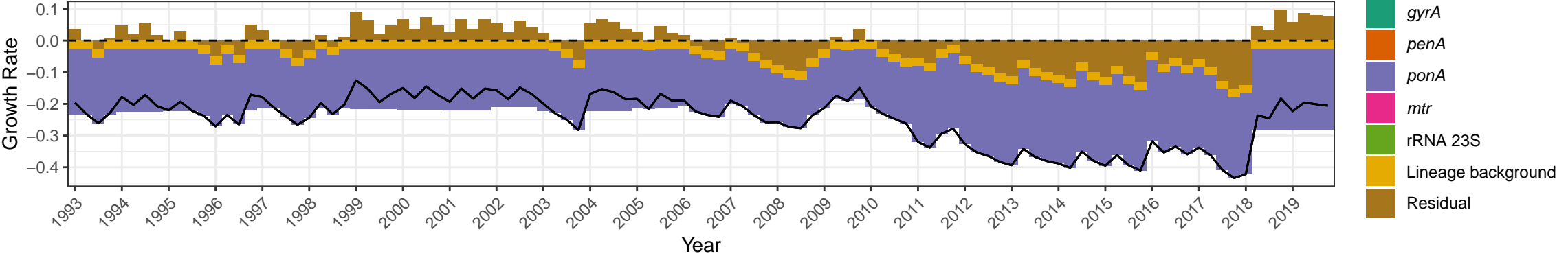
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–0.19 (–0.39, –0.02)	–0.16 (–0.42, 0.08)	–0.20 (–0.38, –0.05)	–0.26 (–0.46, –0.05)
<i>mtr</i>	–0.01 (–0.21, 0.17)	–0.09 (–0.36, 0.17)	0.13 (–0.16, 0.42)	0.24 (0.03, 0.45)
rRNA 23S	–	–	–	–
Lineage 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	–0.20 (–0.40, –0.03)	–0.25 (–0.52, –0.01)	–0.09 (–0.35, 0.18)	–0.02 (–0.17, 0.14)
Total	–0.23 (–0.43, –0.05)	–0.24 (–0.57, 0.07)	–0.04 (–0.41, 0.31)	–0.01 (–0.14, 0.12)

Lineage 18



Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–	–	–	–
<i>mtr</i>	–	–	–	–
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)

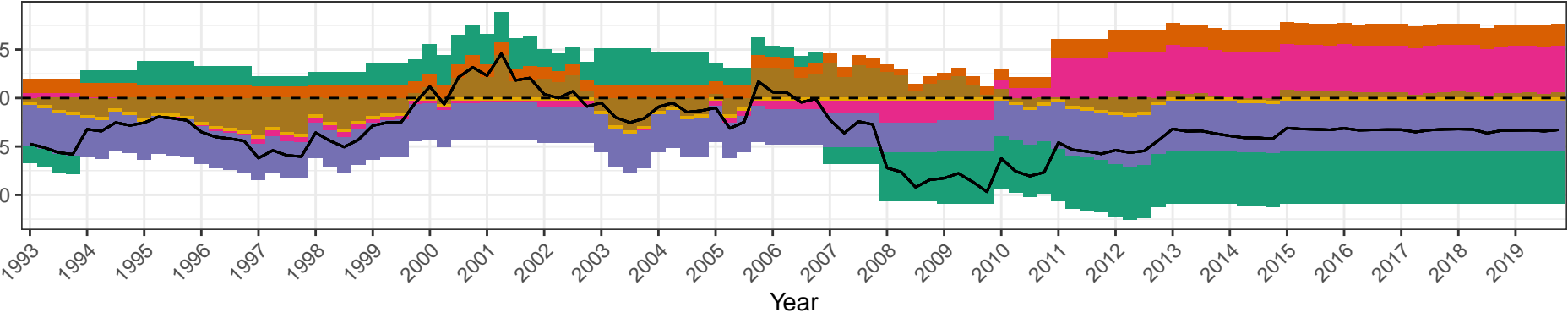
Lineage 19



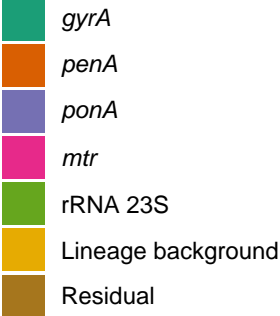
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–0.19 (–0.39, –0.02)	–0.16 (–0.42, 0.08)	–0.20 (–0.38, –0.05)	–0.26 (–0.46, –0.05)
<i>mtr</i>	–	–	–	–
rRNA 23S	–	–	–	–
Lineage background	–0.02 (–0.17, 0.09)	–0.02 (–0.17, 0.09)	–0.02 (–0.17, 0.09)	–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	–0.19 (–0.39, –0.02)	–0.16 (–0.42, 0.08)	–0.20 (–0.38, –0.05)	–0.26 (–0.46, –0.05)
Total	–0.20 (–0.35, –0.05)	–0.22 (–0.53, 0.06)	–0.27 (–0.59, 0.05)	–0.34 (–0.51, –0.16)

Lineage 20

Growth Rate

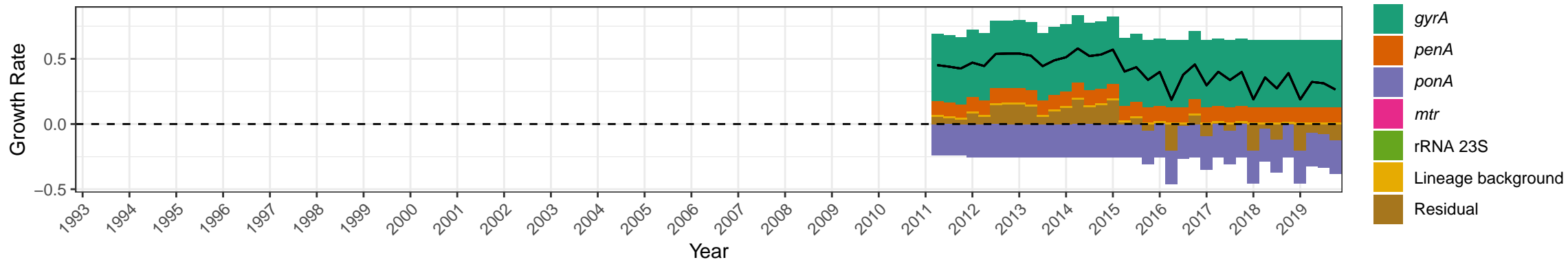


Average Effect



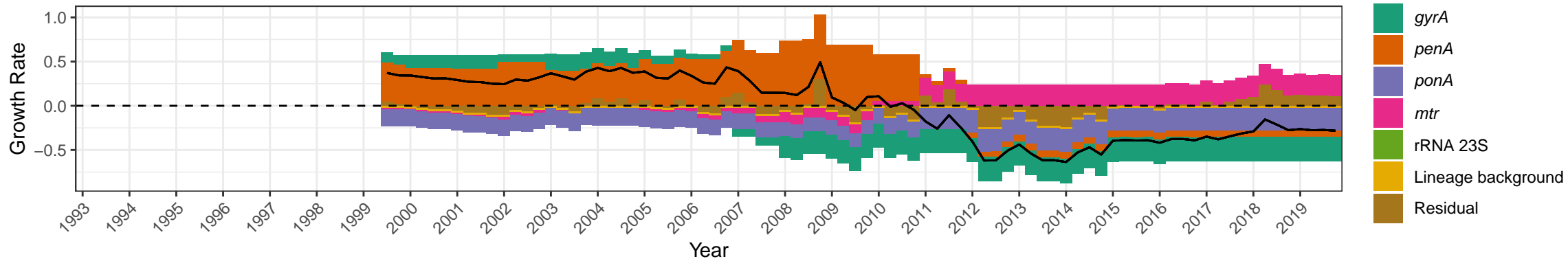
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	0.10 (−0.13, 0.30)	−0.20 (−0.40, −0.01)	−0.27 (−0.48, −0.07)	−0.27 (−0.48, −0.07)
<i>penA</i>	0.06 (−0.17, 0.34)	0.04 (−0.28, 0.41)	0.08 (−0.14, 0.32)	0.11 (−0.15, 0.39)
<i>ponA</i>	−0.19 (−0.39, −0.02)	−0.16 (−0.42, 0.08)	−0.20 (−0.38, −0.05)	−0.26 (−0.46, −0.05)
<i>mtr</i>	−0.01 (−0.21, 0.17)	−0.09 (−0.36, 0.17)	0.13 (−0.16, 0.42)	0.24 (0.03, 0.45)
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	−0.04 (−0.29, 0.18)	−0.42 (−0.78, −0.06)	−0.28 (−0.58, 0.04)	−0.18 (−0.45, 0.09)
Total	−0.09 (−0.26, 0.06)	−0.33 (−0.65, −0.00)	−0.32 (−0.70, 0.07)	−0.18 (−0.42, 0.03)

Lineage 21



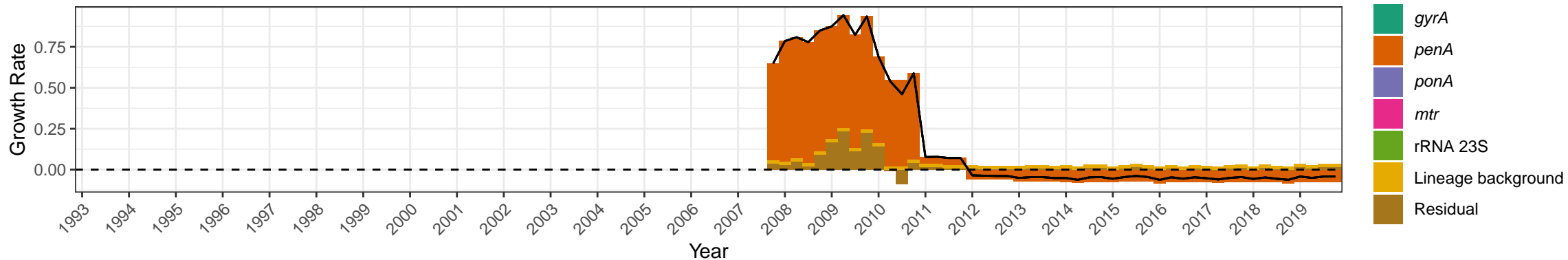
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	0.52 (0.24, 0.79)	0.52 (0.24, 0.79)
<i>penA</i>	–	–	0.08 (–0.14, 0.32)	0.11 (–0.15, 0.39)
<i>ponA</i>	–	–	–0.20 (–0.38, –0.05)	–0.26 (–0.46, –0.05)
<i>mtr</i>	–	–	–	–
rRNA 23S	–	–	–	–
Lineage background	–	–	0.01 (–0.13, 0.18)	0.01 (–0.13, 0.18)
Residual	–	–	0.02 (–0.32, 0.37)	0.02 (–0.15, 0.18)
AMR Total	–	–	0.39 (0.10, 0.68)	0.38 (0.12, 0.64)
Total	–	–	0.42 (–0.02, 0.84)	0.41 (0.25, 0.57)

Lineage 22



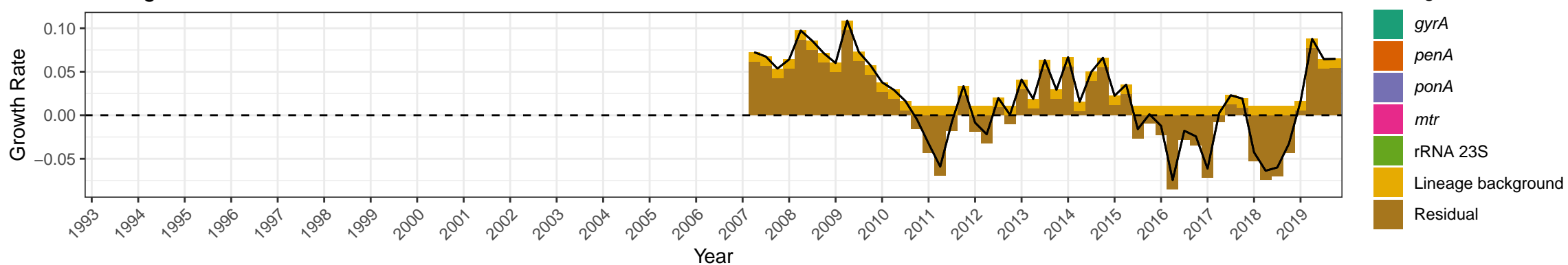
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	0.10 (−0.13, 0.30)	−0.20 (−0.40, −0.01)	−0.27 (−0.48, −0.07)	−0.27 (−0.48, −0.07)
<i>penA</i>	0.42 (0.21, 0.67)	0.67 (0.39, 0.98)	0.28 (0.10, 0.50)	−0.07 (−0.30, 0.16)
<i>ponA</i>	−0.19 (−0.39, −0.02)	−0.16 (−0.42, 0.08)	−0.20 (−0.38, −0.05)	−0.26 (−0.46, −0.05)
<i>mtr</i>	−0.01 (−0.21, 0.17)	−0.09 (−0.36, 0.17)	0.13 (−0.16, 0.42)	0.24 (0.03, 0.45)
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	0.32 (0.05, 0.55)	0.22 (−0.12, 0.55)	−0.07 (−0.37, 0.25)	−0.37 (−0.62, −0.12)
Total	0.29 (0.06, 0.50)	0.18 (−0.09, 0.42)	−0.09 (−0.37, 0.19)	−0.41 (−0.56, −0.26)

Lineage 23

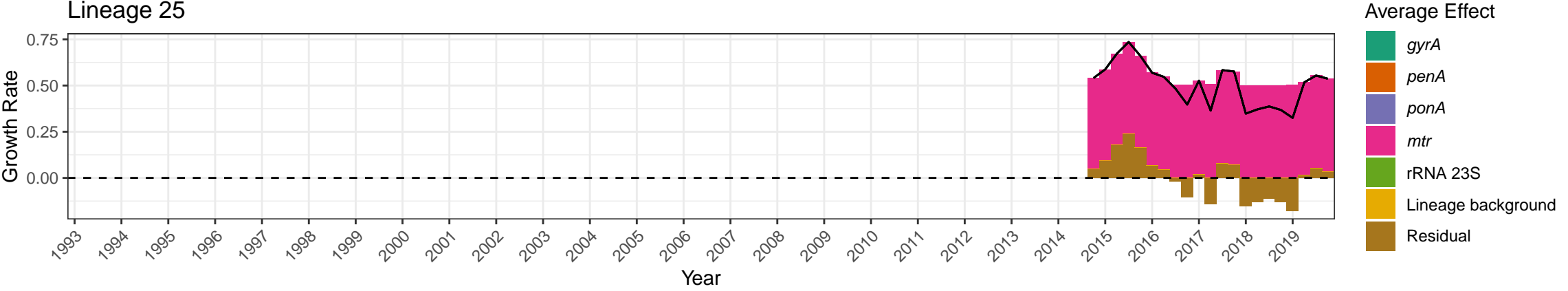


Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	0.67 (0.39, 0.98)	0.28 (0.10, 0.50)	–0.07 (–0.30, 0.16)
<i>ponA</i>	–	–	–	–
<i>mtr</i>	–	–	–	–
rRNA 23S	–	–	–	–
Lineage background	–	0.01 (–0.12, 0.18)	0.01 (–0.12, 0.18)	0.01 (–0.12, 0.18)
Residual	–	0.08 (–0.19, 0.36)	0.02 (–0.32, 0.36)	0.01 (–0.16, 0.17)
AMR Total	–	0.67 (0.39, 0.98)	0.28 (0.10, 0.50)	–0.07 (–0.30, 0.16)
Total	–	0.77 (0.39, 1.14)	0.32 (–0.03, 0.68)	–0.05 (–0.25, 0.16)

Lineage 24

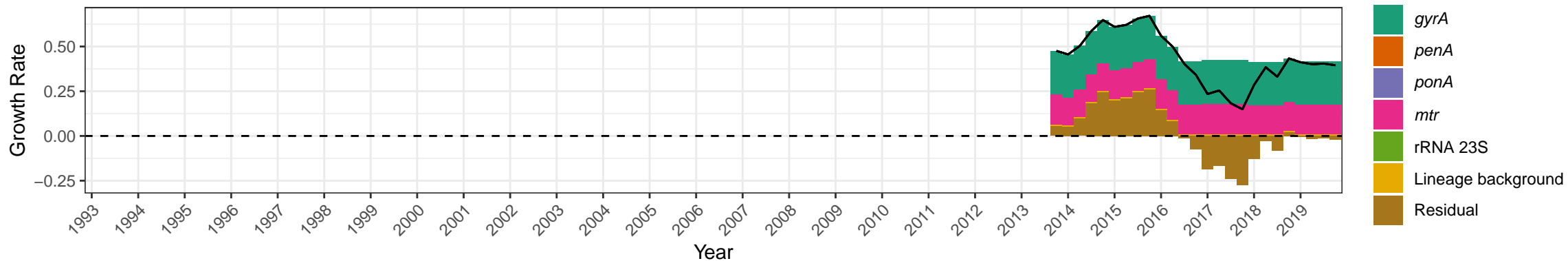


Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–	–	–	–
<i>mtr</i>	–	–	–	–
rRNA 23S	–	–	–	–
Lineage background	–	0.01 (–0.10, 0.14)	0.01 (–0.10, 0.14)	0.01 (–0.10, 0.14)
Residual	–	0.06 (–0.21, 0.35)	–0.01 (–0.33, 0.32)	–0.00 (–0.14, 0.13)
AMR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



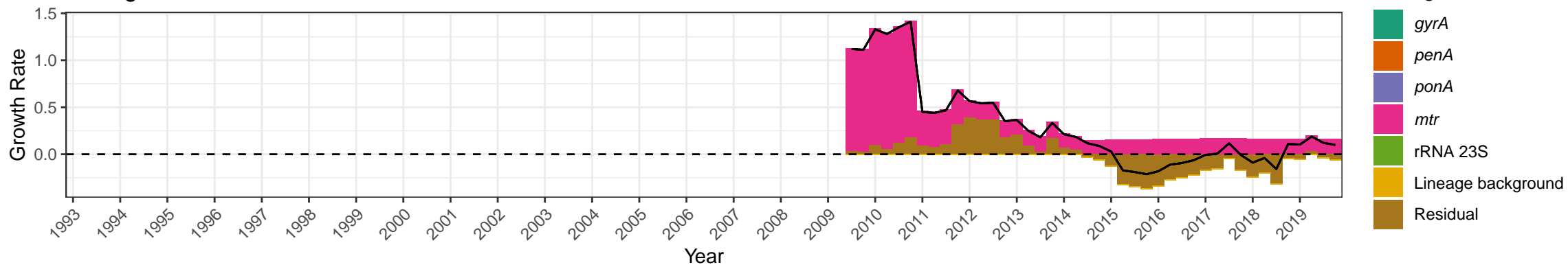
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–	–	–	–
<i>mtr</i>	–	–	–	0.50 (0.14, 0.88)
rRNA 23S	–	–	–	–
Lineage background	–	–	–	0.00 (–0.17, 0.17)
Residual	–	–	–	0.01 (–0.17, 0.18)
AMR Total	–	–	–	0.50 (0.14, 0.88)
Total	–	–	–	0.51 (0.22, 0.80)

Lineage 26



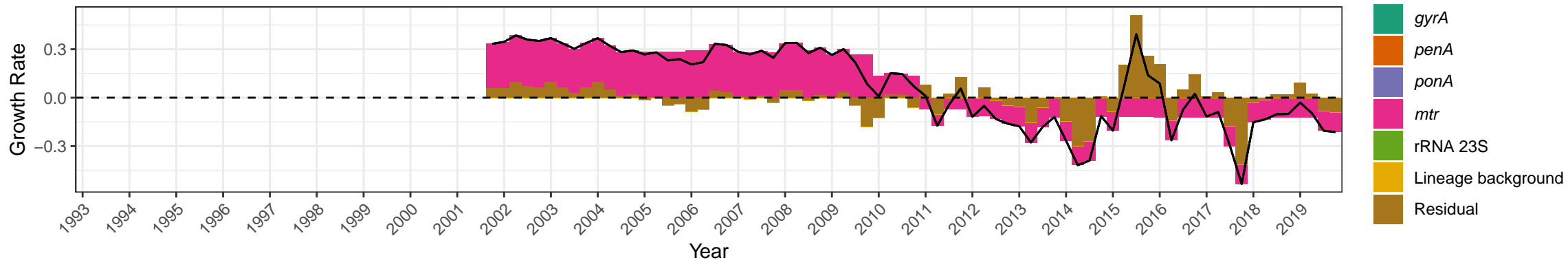
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	0.24 (0.01, 0.49)
<i>penA</i>	–	–	–	–
<i>ponA</i>	–	–	–	–
<i>mtr</i>	–	–	–	0.17 (–0.07, 0.41)
rRNA 23S	–	–	–	–
Lineage background	–	–	–	0.00 (–0.15, 0.17)
Residual	–	–	–	0.02 (–0.15, 0.18)
AMR Total	–	–	–	0.41 (0.15, 0.69)
Total	–	–	–	0.44 (0.18, 0.68)

Lineage 27



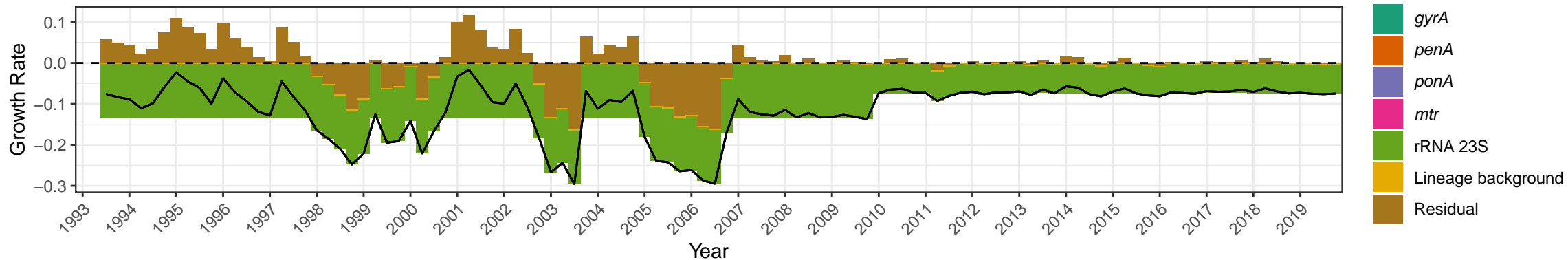
Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–	–	–	–
<i>mtr</i>	–	1.02 (–0.26, 3.04)	0.81 (0.20, 1.37)	0.17 (–0.07, 0.41)
rRNA 23S	–	–	–	–
Lineage background	–	–0.01 (–0.17, 0.14)	–0.01 (–0.17, 0.14)	–0.01 (–0.17, 0.14)
Residual	–	0.01 (–0.28, 0.30)	0.13 (–0.18, 0.46)	–0.06 (–0.23, 0.11)
AMR Total	–	1.02 (–0.26, 3.04)	0.81 (0.20, 1.37)	0.17 (–0.07, 0.41)
Total	–	1.02 (–0.29, 3.04)	0.94 (0.35, 1.46)	0.10 (–0.03, 0.23)

Lineage 28



Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–	–	–	–
<i>mtr</i>	0.27 (–0.09, 0.59)	0.28 (–0.09, 0.63)	0.03 (–0.35, 0.41)	–0.12 (–0.36, 0.14)
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	0.27 (–0.09, 0.59)	0.28 (–0.09, 0.63)	0.03 (–0.35, 0.41)	–0.12 (–0.36, 0.14)
Total	0.27 (–0.03, 0.56)	0.27 (–0.02, 0.56)	0.03 (–0.30, 0.35)	–0.13 (–0.26, –0.00)

Lineage 29



Contribution	1993–2007	2007–2010	2010–2012	2012–2019
<i>gyrA</i>	–	–	–	–
<i>penA</i>	–	–	–	–
<i>ponA</i>	–	–	–	–
<i>mtr</i>	–	–	–	–
rRNA 23S	–0.13 (–0.42, 0.13)	–0.13 (–0.42, 0.13)	–0.07 (–0.40, 0.26)	–0.07 (–0.40, 0.26)
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	–0.13 (–0.42, 0.13)	–0.13 (–0.42, 0.13)	–0.07 (–0.40, 0.26)	–0.07 (–0.40, 0.26)
Total	–0.14 (–0.33, 0.05)	–0.13 (–0.47, 0.24)	–0.07 (–0.47, 0.32)	–0.07 (–0.33, 0.18)