

# Alternative multilocus sequencing typing primers

## *S. pyogenes*

gki-fwd GCTGATTTTGTGGGAATTGGTATG  
gki-rev GTGAGCGTAGAAATTCTCCTGCT  
gtr-fwd GGAATTGATTTAGACATTATGCCAGG  
gtr-rev CACAATAACGCCGCCATCCATA  
recP-fwd TGTCCGCACCCTATCAATGGAT  
recP-rev CATCTTTCACAAGGATATGTTGCC  
xpt-fwd ATGCAGTTACTTGAAGAACGCATCTTAAC  
xpt-rev GCCTCCAAGAAGTTTAGATTACCA  
yqi-fwd CTTTTGCAGGTTATCACATGGGTATAA  
yqi-rev AAGCAATAGCTCCTCCATTGACATTAA  
muri-fwd CTATGGTCCTAGACCCAAAAAACAATT  
muri-rev GGATTTGCTGTTGTAAAAAAGCGGT  
muts-fwd AGGTCAGATGTTAGAGGCTAGG  
muts-rev CCCAGTTCATCAAATAGAATAAGAGAG

## *S. pneumoniae*

aroE-fwd TCCTATTAAGCATTCTATTTCTCCCTTC  
aroE-rev ACAGGAGAGGATTGGCCATCCATGCCCACTG  
recP-fwd GAATGTGTGATTCAATAATCACCTCAAATAGAAGG  
recP-rev TGCTGTTTCGATAGCAGCATGGATGGCTTCC  
spi-fwd CGCTTAGAAAGGTAAGTTATGAATTT

spi-rev GAAGAGGCTGAGATTGGTGATTCTCGGCC

xpt-fwd TTAAC TTTTAGACTTTAGGAGGTCTTATG

xpt-rev CGGCTGCTTGCGAGTGTTTTCTTGAG

ddl-fwd TAAAATCACGACTAAGCGTGTTCTGG

ddl-rev AAGTAGTGGGTACATAGACCACTGGG