

Supplementary Table 1: rpoC mutations in rifampicin-sensitive strains without mutations in rpoB (Set A)

Strain number	Spoligotyping	Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change
14722_6#15_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14722_6#30_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E
14722_6#31_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E
14722_6#39_H37Rv	Other small clades	g	A	ggg	2	gAg	G594E
14722_6#42_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14722_6#58_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E
14722_6#71_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E
14722_6#79_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14722_7#29_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14722_7#31_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14722_7#35_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14722_7#47_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14722_7#49_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E
14722_7#51_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14722_7#61_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E
14722_7#70_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E
14722_7#73_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14722_7#85_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E
14722_7#88_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14722_7#93_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14892_2#10_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14892_2#18_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14892_2#25_H37Rv	LAM	G	A	cgc	2	cAc	R1163H
14892_2#30_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14892_2#44_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E
14892_2#46_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E
14892_2#54_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14892_2#57_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14892_2#61_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E
14892_2#7_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14893_2#11_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14893_2#20_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E
14893_2#3_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14893_2#33_H37Rv	T	G	A	ggg	2	gAg	G594E
14893_2#41_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14893_2#42_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14893_2#5_H37Rv	EAI2-manilla	C	T	gcc	2	gTc	A172V
14893_2#51_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E
14893_2#57_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14893_2#60_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14893_2#67_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E
14892_2#15_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E

Supplementary Table 2: rpoC mutations in rifampicin-resistant strains that harbored rpoB mutations (Set B)

Strain Number	Spoligotyping	Mutations in rpoC						Mutations in rpoB					
		Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change	Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change
14722_6#1_H37Rv	T	T	C	gtg	2	gCg	V483A	C	T	teg	2	tTg	S450L
14722_6#12_H37Rv	Beijing	C	G	cgg	2	cGg	P1040R	C	T	teg	2	tTg	S450L
14722_6#13_H37Rv	LAM	C	G	cgg	1	Gcg	P1040A	C	T	teg	2	tTg	S450L
14722_6#16_H37Rv	LAM	A	G	atc	1	Gtc	I491V	C	T	teg	2	tTg	S450L
14722_6#2_H37Rv	LAM	A	G	atc	1	Gtc	I491V	G	A	gcc	1	Acc	A692T
14722_6#28_H37Rv	LAM	C	G	cgg	1	Gcg	P1040A	C	T	teg	2	tTg	S450L
14722_6#29_H37Rv	Beijing	G	C	tgg	2	tCg	W484S	C	T	teg	2	tTg	S450L
14722_6#3_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
14722_6#33_H37Rv	LAM	C	A	cgc	1	Agc	R741S	C,A	T,G	cac	1,2	TGT	H445C
14722_6#34_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
14722_6#38_H37Rv	LAM	C	G	cgg	1	Gcg	P1040A	C	T	teg	2	tTg	S450L
14722_6#43_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
14722_6#45_H37Rv	LAM	G	T	gtg	1	Ttg	V517L	C	T	teg	2	tTg	S450L
14722_6#51_H37Rv	LAM	G	T	gtg	1	Ttg	V517L	C	T	teg	2	tTg	S450L
14722_6#55_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
14722_6#56_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	A	T	gac	2	gTc	D435V
14722_6#57_H37Rv	LAM	C	G	cgg	1	Gcg	P1040A	C	T	teg	2	tTg	S450L
14722_6#59_H37Rv	T	T	G	tfg	1	Gtg	L527V	C	T	teg	2	tTg	S450L
14722_6#63_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	gtg	1	Ctg	V695L
14722_6#67_H37Rv	LAM	C	T	acc	2	aTc	T812I	C	T	teg	2	tTg	S450L
14722_6#72_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	G	A	gcc	1	Acc	A692T
14722_6#73_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	A	T	gac	2	gTc	D435V
14722_6#86_H37Rv	LAM	C	G	cgg	1	Gcg	P1040A	C	T	teg	2	tTg	S450L
14722_6#87_H37Rv	LAM	A	G	atc	1	Gtc	I491V	C	T	teg	2	tTg	S450L
14722_6#88_H37Rv	LAM	A	G	atc	1	Gtc	I491V	G	A	gcc	1	Acc	A692T
14722_6#89_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
								G	A	gcc	1	Acc	A692T
								A	T	gac	2	gTc	D435V

Contd...

Supplementary Table 2: Contd...

Strain Number	Spoligotyping	Mutations in rpoC						Mutations in rpoB					
		Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change	Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change
14722_6#9_H37Rv	Other small clades	G	A	ggg	3	gAg	G594E	C	T	teg	2	tTg	S450L
14722_6#91_H37Rv	Other small clades	T	G	ttg	1	Gtg	L527V						
14722_6#94_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
14722_7#10_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450F
14722_7#12_H37Rv	Beijing	C	G	cac	3	caG	H525Q	C	T	teg	2	tTg	S450L
14722_7#22_H37Rv	LAM	C	A	cgc	1	Agc	R741S	C	T	teg	2	tTg	S450L
14722_7#17_H37Rv	Beijing	G	C	igg	2	tCg	W484S	C	A	gac	3	gaA	D574E
14722_7#19_H37Rv	LAM	T	C	gtg	2	gCg	V483A	C	T	teg	2	tTg	S450L
14722_7#20_H37Rv	T	T	G	ttg	1	Gtg	L527V	C	T	teg	2	tTg	S450L
14722_7#21_H37Rv	T	G	C	ggc	1	Cgc	G332R	C	T	teg	2	tTg	S450L
14722_7#22_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	G	C	gtg	1	Ctg	V695L
14722_7#23_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	A	T	gac	2	gTc	D435V
14722_7#24_H37Rv	Haarlem	A	G	gaa	2	gCia	E488G	C	T	teg	2	tTg	S450L
14722_7#26_H37Rv	LAM	C	G	cgg	2	cGg	P1040R	C	T	teg	2	tTg	S450L
14722_7#30_H37Rv	Other small clades	A	G	gag	2	gGg	E744G	C	T	teg	2	tTg	S450L
14722_7#34_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E						
14722_7#37_H37Rv	Haarlem	G	T	gtg	1	Ttg	V517L	C	T	teg	2	tTg	S450L
14722_7#42_H37Rv	Haarlem	C	A	cgg	2	cAg	P1040Q	C	T	teg	2	tTg	S450L
14722_7#44_H37Rv	T	G	T	gtg	1	Ttg	V1252L	G	C	gtg	1	Ctg	V695L
14722_7#50_H37Rv	LAM	G	T	gtg	1	Ttg	V517L	C	T	cgg	1	Tcg	P45S
14722_7#53_H37Rv	Other small clades	T	C	gtg	2	gCg	V1147A	C	T	teg	2	tTg	S450L
14722_7#58_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
14722_7#59_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L

Contd...

Supplementary Table 2: Contd...

Strain Number	Spoligotyping	Mutations in rpoC						Mutations in rpoB					
		Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change	Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change
14722_7#62_H37Rv	Beijing	C	G	cag	1	Gag	Q523E	C	T	teg	2	tTg	S450L
14722_7#63_H37Rv	LAM	T	A	ctg	2	cAg	L516Q	C	T	teg	2	tTg	S450L
14722_7#65_H37Rv	LAM	C	T	acc	2	aTc	T812I	C	T	teg	2	tTg	S450L
14722_7#66_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	G	A	gcc	1	Acc	A692T
14722_7#7_H37Rv	Other small clades	G	A	ggg	1	Agg	G571R	G	T	gtc	1	Ttc	V170F
14722_7#74_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	A	G	gag	2	gGg	E250G
14722_7#76_H37Rv	Other small clades	T	C	ttc	1	Ctc	F831L	C	T	teg	2	tTg	S450L
14722_7#78_H37Rv	Beijing	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
14722_7#81_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	cac	1	Tac	H445Y
14722_7#82_H37Rv	T	G	C	ggc	1	Cgc	G332R	C	T	teg	2	tTg	S450L
14722_7#83_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	gtg	1	Ctg	V695L
14722_7#87_H37Rv	T	G	C	ggc	1	Cgc	G332R	C	T	teg	2	tTg	S450L
14722_7#90_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	C	T	atg	1	Gtg	M920V
14722_7#95_H37Rv	Other small clades	T	G	gtg	2	gGg	V483G	C	T	teg	2	tTg	S450L
14722_7#95_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
14722_8#11_H37Rv	LAM	C	A	aac	3	aaA	N698K	C	T	teg	2	tTg	S450L
14722_8#14_H37Rv	LAM	A	G	atc	1	Gtc	I885V	C	T	teg	2	tTg	S450L
14722_8#15_H37Rv	LAM	G	C	ggc	1	Ccc	A1047P	C	T	teg	2	tTg	S450L
14722_8#16_H37Rv	Haarlem	T	C	ctg	2	cCg	L516P	C	T	teg	2	tTg	S450L
14722_8#17_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
14722_8#18_H37Rv	LAM	G	A	gtg	1	Aig	V1252M	C	T	teg	2	tTg	S450L
14722_8#19_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	A	G	gac	2	gGc	D120G
14722_8#2_H37Rv	LAM	C	A	cgc	1	Agc	R741S	C	T	cac	1	Tac	H445Y
14722_8#2_H37Rv	LAM	C	A	cgc	1	Agc	R741S	C	G	cac	1	Gac	H445D

Contd...

Supplementary Table 2: Contd...

Strain Number	Spoligotyping	Mutations in rpoC						Mutations in rpoB					
		Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change	Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change
14722_8#20_H37Rv	LAM	C	T	cgg	2	cTg	P1040L	C	T	teg	2	tTg	S450L
14722_8#21_H37Rv	LAM	T	G	gtg	2	gGg	V483G	C	T	teg	2	tTg	S450L
14722_8#22_H37Rv	LAM	C	A	aac	3	aaa	N698K	C	T	teg	2	tTg	S450L
14722_8#23_H37Rv	LAM	C	G	cgg	1	Gcg	P1040A	C	T	teg	2	tTg	S450L
14722_8#24_H37Rv	LAM	A	G	aac	2	aGc	N698S	C	T	teg	2	tTg	S450L
14722_8#27_H37Rv	LAM	C	G	cgg	1	Gcg	P1040A	C	T	teg	2	tTg	S450L
14722_8#3_H37Rv	LAM	G	T	ggc	2	gTc	G945V	C	T	teg	2	tTg	S450L
14722_8#31_H37Rv	LAM	A	G	aac	2	aGc	N698S	C	T	teg	2	tTg	S450L
14722_8#32_H37Rv	LAM	C	T	acc	2	aTc	T812I	C	T	teg	2	tTg	S450L
14722_8#36_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	G	A	gcc	1	Acc	A692T
14722_8#37_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	A	T	cac	2	cTc	H445L
14722_8#38_H37Rv	Haarlem	G	A	ggg	1	Agg	G571R	C	T	teg	2	tTg	S450L
14722_8#38_H37Rv	Haarlem	C	T	gcc	2	gTc	A734V	C	T	teg	2	tTg	S450L
14722_8#39_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
14722_8#4_H37Rv	LAM	C	G	cgg	1	Gcg	P1040A	C	T	teg	2	tTg	S450L
14722_8#4_H37Rv	LAM	C	T	acc	2	aTc	T812I	C	T	teg	2	tTg	S450L
14722_8#41_H37Rv	LAM	G	T	gtg	1	Ttg	V517L	G	A	gcc	1	Acc	A692T
14722_8#44_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
14722_8#45_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	C	G	cac	1	Gac	H445D
14722_8#50_H37Rv	LAM	G	A	gtg	1	Aig	V1252M	C	T	teg	2	tTg	S450L
14722_8#53_H37Rv	LAM	G	T	gtg	1	Ttg	V517L	C	T	teg	2	tTg	S450L
14722_8#55_H37Rv	Beijing	G	C	tgg	2	tCg	W484S	C	T	teg	2	tTg	S450L
14722_8#56_H37Rv	LAM	A	G	atc	1	Gtc	I491V	C	T	teg	2	tTg	S450L
14722_8#57_H37Rv	LAM	T	G	gtg	2	gGg	V483G	G	A	gcc	1	Acc	A692T
14722_8#58_H37Rv	LAM	C	G	cgg	2	cGg	P1040R	C	T	teg	2	tTg	S450L
14722_8#59_H37Rv	LAM	G	A	gtg	1	Aig	V1252M	C	T	teg	2	tTg	S450L
14722_8#6_H37Rv	LAM	T	A	gtg	2	gAg	V1124E	C	T	teg	2	tTg	S450L
14722_8#66_H37Rv	LAM	A	C	gag	2	gCg	E49A	A	T	gac	2	gTc	D435V
14722_8#69_H37Rv	LAM	A	G	aac	2	aGc	N698S	C	T	teg	2	tTg	S450L
14722_8#70_H37Rv	LAM	G	C	gtg	1	Ctg	V1252L	C	T	teg	2	tTg	S450L
14722_8#75_H37Rv	LAM	G	A	gtg	1	Aig	V1252M	G	A	gcc	1	Acc	A692T
14722_8#76_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
								A	T	gac	2	gTc	D435V

Contd...

Supplementary Table 2: Contd...

Strain Number	Spoligotyping	Mutations in rpoC						Mutations in rpoB					
		Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change	Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change
14722_8#77_H37Rv	LAM	C	T	acc	2	aTc	T812I	C	T	teg	2	tTg	S450L
14722_8#79_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	G	A	gcc	1	Acc	A692T
14722_8#8_H37Rv	LAM	A	G	aac	2	aGc	N698S	C	T	gac	2	gTc	D435V
14722_8#80_H37Rv	LAM	C	G	cgg	1	Gcg	P1040A	C	T	teg	2	tTg	S450L
14722_8#81_H37Rv	T	C	G	cgg	1	Gcg	P1040A	C	T	teg	2	tTg	S450L
14722_8#86_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	G	C	gtg	1	Ctg	V695L
14722_8#87_H37Rv	Other small clades	T	G	gtg	2	gGg	V483G						
14722_8#88_H37Rv	LAM	C	A	cgc	1	Agc	R741S	C	T	teg	2	tTg	S450L
14722_8#89_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450F
14722_8#90_H37Rv	LAM	C	T	acc	2	aTc	T812I	C	T	teg	2	tTg	S450L
14722_8#93_H37Rv	Haarlem	A	C	gaa	2	gCa	E757A	G	A	gcc	1	Acc	A692T
14722_8#95_H37Rv	Other small clades	C	T	ggc	2	gTc	A734V	C	T	teg	2	tTg	S450L
14892_2#1_H37Rv	LAM	G	C	gtg	1	Ctg	V517L	C	T	teg	2	tTg	S450L
14892_2#27_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	T,C	A,T	teg	1,2	ATG	S450M
14892_2#29_H37Rv	LAM	A	G	aac	2	aGc	N698S	C	T	teg	2	tTg	S450L
14892_2#35_H37Rv	LAM	T	C	gtg	2	gCg	V483A	A	C	caa	2	cCa	Q432P
14892_2#39_H37Rv	LAM	C	A	cgc	1	Agc	R741S	C	G	cac	1	Gac	H445D
14892_2#41_H37Rv	Haarlem	G	C	ggc	2	gCc	G388A	C	T	teg	2	tTg	S450L
14892_2#43_H37Rv	LAM	G	A	ggg	2	gAg	G594E	A	T	gac	2	gTc	D435V
14892_2#45_H37Rv	LAM	C	A	cgc	1	Agc	R741S	C	G	cac	1	Gac	H445D
14892_2#58_H37Rv	LAM	G	C	ggc	2	gCc	G388A	C	T	teg	2	tTg	S450L
14892_2#58_H37Rv	LAM	A	G	atc	1	Gtc	I997V	C	T	teg	2	tTg	S450L
14892_2#58_H37Rv	LAM	A	G	atc	1	Gtc	I851V	C	T	teg	2	tTg	S450L
14892_2#58_H37Rv	LAM	A	G	atc	1	Gtc	I491V	G	A	gcc	1	Acc	A692T

Contd...

Supplementary Table 2: Contd...

Strain Number	Spoligotyping	Mutations in rpoC						Mutations in rpoB					
		Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change	Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change
14892_2#59_H37Rv	T	T	G	gtg	2	gGg	V483G	C	T	teg	2	tTg	S450L
14892_2#63_H37Rv	Beijing	G	C	igg	2	tCg	W484S	G	C	gtg	1	Ctg	V695L
14892_2#65_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
14892_2#66_H37Rv	LAM	C	G	ccg	1	Gcg	P1040A	C	T	teg	2	tTg	S450L
14892_2#67_H37Rv	LAM	G	T	gtg	1	Ttg	V517L	C	T	teg	2	tTg	S450L
14892_2#69_H37Rv	LAM	C	T	ccg	2	cTg	P615L	C	T	teg	2	tTg	S450L
14892_2#70_H37Rv	LAM	G	T	gtg	1	Ttg	V517L	C	T	teg	2	tTg	S450L
14892_2#71_H37Rv	LAM	G	A	gtg	1	Aig	V1252M	C	T	teg	2	tTg	S450L
14892_2#74_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	ccg	1	Tcg	P45S
14892_2#76_H37Rv	LAM	G	A	gag	1	Aag	E1033K	C	T	teg	2	tTg	S450L
14892_2#80_H37Rv	LAM	G	A	gtg	1	Aig	V1252M	C	T	ttc	3	ttG	F424L
14892_2#82_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	A	T	atc	1	Ttc	I491F
14892_2#85_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
14892_2#88_H37Rv	Haarlem	T	C	ctg	2	cCg	L516P	C	T	teg	2	tTg	S450L
14892_2#89_H37Rv	Other small clades	T	G	gtg	2	gGg	V483G	C	T	teg	2	tTg	S450L
14892_2#90_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	G	C	gtg	1	Ctg	V695L
14892_2#91_H37Rv	Other small clades	T	A	tcg	1	Acg	S428T	G	T	gtc	1	Ttc	V170F
14892_2#93_H37Rv	LAM	C	A	cgc	1	Agc	R741S	A	C	atc	1	Ctc	I488L
14892_2#94_H37Rv	Haarlem	C	T	gcc	2	gTc	A734V	C	T	teg	2	tTg	S450F
14892_2#95_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
14892_2#96_H37Rv	LAM	T	G	gtg	2	gGg	V483G	C	T	teg	2	tTg	S450L
14892_2#97_H37Rv	Haarlem	C	T	gcc	2	gTc	A734V	C	T	teg	2	tTg	S450L
14892_2#98_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
14892_2#99_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	teg	2	tTg	S450L
14892_2#100_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	A	T	atc	1	Ttc	I491F
14893_2#23_H37Rv	LAM	C	G	ccg	1	Ccg	P1040A	C	T	teg	2	tTg	S450L
14893_2#30_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	G	T	gtc	1	Ttc	V170F
14893_2#31_H37Rv	Other small clades	G	A	ggg	1	Agg	G571R	G	T	gtc	1	Ttc	V170F

Contd...

Supplementary Table 2: Contd...

Strain Number	Spoligotyping	Mutations in rpoC						Mutations in rpoB					
		Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change	Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change
14893_2#36_H37Rv	LAM	C	T	acc	2	aTc	T812I	C	T	tcg	2	tTg	S450L
14893_2#37_H37Rv	LAM	A	G	aac	2	aGc	N688S	G	A	gcc	1	Acc	A692T
14893_2#38_H37Rv	LAM	C	A	cgc	1	Agc	R741S	C	T	tcg	2	tTg	S450L
14893_2#40_H37Rv	LAM	G	T	gtg	1	Ttg	V517L	C	T	tcg	2	tTg	S450L
14893_2#43_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	tcg	2	tTg	S450L
14893_2#45_H37Rv	LAM	C	G	cgg	1	Gcg	P1040A	C	T	tcg	2	tTg	R827C
14893_2#46_H37Rv	LAM	A	G	atc	1	Gtc	I491V	C	T	tcg	2	tTg	S450L
14893_2#47_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	G	A	gcc	1	Acc	A692T
14893_2#49_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	tcg	2	tTg	S450L
14893_2#52_H37Rv	T	T	G	gtg	2	gGg	V483G	C	T	tcg	2	tTg	G973D
14893_2#54_H37Rv	Beijing	C	T	ggg	2	gTg	A788V	G,A	T,T	gac	1,2	TTC	H445D
14893_2#6_H37Rv	Haarlem	G	T	gtg	1	Ttg	V1252L	C	T	tcg	2	tTg	S450L
14893_2#63_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	G	A	ggc	2	gAc	V695L
14893_2#64_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	G	cac	1	Gac	D435F
14893_2#71_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	tcg	2	tTg	S450L
14893_2#72_H37Rv	T	T	G	gtg	2	gGg	V483G	G	C	gtg	1	Ctg	S450L
14893_2#74_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	G	C	gtg	1	Ctg	V695L
14893_2#75_H37Rv	Haarlem	T	G	gtg	2	gGg	V1206G	C	G	tcg	2	tGg	S450W
14893_2#79_H37Rv	Haarlem	G	A	ggg	2	gAg	D1218A	A	T	gac	2	gTc	D435V
14893_2#80_H37Rv	LAM	G	A	gtg	1	Atg	V1252M	A	G	gag	2	gGg	E250G
14893_2#84_H37Rv	LAM	G	T	gtg	1	Ttg	V517L	A	G	gag	2	gGg	S450L
14893_2#86_H37Rv	LAM	C	G	cgg	1	Gcg	P1040A	C	T	tcg	2	tTg	S450L
14893_2#87_H37Rv	LAM	G	C	ggc	1	Cgc	G332R	C	T	tcg	2	tTg	S450L
14893_2#86_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	A	T	gac	2	gTc	D435V
14893_2#87_H37Rv	Beijing	G	C	ttg	2	tCg	W484S	C	T	tcg	2	tTg	S450L
14893_2#87_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	C	T	tcg	2	tTg	S450L
14893_2#87_H37Rv	Other small clades	T	C	gtg	2	gCg	V483A	C	G	tcg	2	tGg	S450W

Contd...

Strain Number	Spoligotyping	Mutations in rpoC						Mutations in rpoB					
		Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change	Original base	Mutated base	Reference codon	Codon position	Mutations codon	aa change
14893_2#89_H37Rv	Beijing	G	C	tgg	2	tCg	W484S	C	T	tcg	2	tTg	S450L
14893_2#9_H37Rv	T	T	G	tTg	1	GtG	L507V	C	T	tcg	2	tTg	S450L
14893_2#90_H37Rv	Beijing	T	C	gtg	2	gCg	V483A	C	T	tcg	2	tTg	S450L
14893_2#92_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	C	G	agc	3	agG	S428R
14893_2#93_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	C	T	tcg	2	tTg	S450L
	Other small clades	T	C	gtg	2	gCg	V483A						
14893_2#94_H37Rv	Haarlem	G	A	ggg	2	gAg	G594E	C	T	tcg	2	tTg	S450L
14893_2#95_H37Rv	Haarlem	G	A	ggg	1	Agg	G571R						
14893_2#85_H37Rv	LAM	T	G	gtg	2	gGg	V483G	C	T	tcg	2	tTg	S450L
14893_2#85_H37Rv	Other small clades	G	A	ggg	2	gAg	G594E	C	T	tcg	2	tTg	S450L
14893_2#88_H37Rv	T	T	G	gtg	2	gGg	V483G	C	T	tcg	2	tTg	S450L
								G	C	gtg	1	CtG	V695L

Supplementary Table 3: Putative rpoC compensatory mutations			
Mutation	aa change	Spoligotyping	Reported
aac - aaA	N698K	LAM (2)	Yes
atc - Gtc	I491V	Haarlem (1), LAM (6), other small clades (1)	Yes
cac - caG	H525Q	Beijing	Yes
cag - cGg	P1040R	Beijing, LAM (2)	Yes
ctg - cCg	L516P	Haarlem (2)	Yes
gtg - Atg	V1252M	LAM (8)	Yes
gtg - gCg	V483A	Beijing (1), LAM (2), T (1), other small clades (2)	Yes
gtg - gGg	V483G	T (5), other small clades (2), LAM (4)	Yes
gtg - Ttg	V1252L	T, LAM, Haarlem	Yes
gtg - Ttg	V517L	LAM (10), NA (1)	No
tcg - Acg	S428T	LAM (11), NA (1), other small clades (1)	No
tgg - tCg	W484S	Beijing (6)	No
ttc - Ctc	F831L	Other small clades (1)	No
ttg - Gtg	L507V	T (1)	No
	L527V	T (1), other small clades (1)	No
aac - aGc	N698S	LAM (6)	No
acc - aTc	T812I	LAM (7)	No
atc - Gtc	I851V	LAM (1)	No
	I997V	LAM (1)	No
	I885V	LAM (1)	No
cag - Gag	Q523E	Beijing (1)	No
ccg - cAg	P1040Q	T (1)	No
ccg - cTg	P1040L	LAM (1)	No
	P615L	LAM (1)	No
ccg - Gcg	P1040A	LAM (14), T (1)	No
cgc - Agc	R741S	LAM (8), NA (1), T (1)	No
ctc - cGc	L1245R	Beijing (1)	No
ctg - cAg	L516Q	LAM (1)	No
gaa - gCa	E757A	LAM (1)	No
gaa - gGa	E488G	Haarlem (1)	No
gag - Aag	E1033K	LAM (1)	No
gag - gCg	E49A	LAM (1)	No
gag - gGg	E744G	Other small clades (1)	No
gcc - Ccc	A1047P	LAM (1)	No
gcc - gTc	A734V	Haarlem (4)	No
gcg - gTg	A788V	Beijing (1)	No
ggc - Cgc	G332R	T (3), LAM (1)	No
ggc - gCc	G388A	LAM (2)	No
ggc - gTc	G945V	LAM (1)	No
ggg - Agg	G571R	Haarlem (3), other small clades (1)	No
ggg - gGg	V1206G	Haarlem (1)	No
gtg - gAg	V1124E	LAM (1)	No
gtg - gCg	V1147A	Other small clades (1)	No
gtg - gGg	D1218A	Haarlem (1)	No

Numbers in brackets indicate the number of isolates in each strain