

Supplementary material 2 - Mutations of the strains

SRR15649878 (TMT116)				SRR15649880 (TMT05)				SRR15649877 (TMT123)				SRR15649879(TMT24)			
Lineage	Estimated Fraction	Family		Lineage	Estimated Fraction	Family		Lineage	Estimated Fraction	Family		Lineage	Estimated Fraction	Family	
Spoligotype	Rd			Spoligotype	Rd			Spoligotype	Rd			Spoligotype	Rd		
lineageBOV	1.000	M. bovis	BOV	lineageBOV	1.000	M. bovis	BOV	lineageBOV	1.000	M. bovis	BOV	lineageBOV	1.000	M. bovis	BOV
1;BOV 2	None			1;BOV 2	None			1;BOV 2	None			1;BOV 2	None		
lineageBOV AFRI 0.999				lineageBOV AFRI 1.000				lineageBOV AFRI 1.000				lineageBOV AFRI 1.000			
Genome Position	Locus Tag	Gene													
Change	Estimated Fraction														
2289073	Rv2043c	pncA	p.His57Asp	2289073	Rv2043c	pncA	p.His57Asp	2289073	Rv2043c	pncA	p.His57Asp	2289073	Rv2043c	pncA	p.His57Asp
1.000				1.000	pyrazinamide			1.000	pyrazinamide			1.000	pyrazinamide		
5752	Rv0005	gyrB	c.513G>A	5752	Rv0005	gyrB	c.513G>A	5752	Rv0005	gyrB	c.513G>A	5752	Rv0005	gyrB	c.513G>A
1.000				0.996				1.000				1.000			
6406	Rv0005	gyrB	c.1167C>T	6406	Rv0005	gyrB	c.1167C>T	6406	Rv0005	gyrB	c.1167C>T	6406	Rv0005	gyrB	c.1167C>T
1.000				1.000				1.000				1.000			
6446	Rv0005	gyrB	p.Ala403Ser	6446	Rv0005	gyrB	p.Ala403Ser	6446	Rv0005	gyrB	p.Ala403Ser	6446	Rv0005	gyrB	p.Ala403Ser
1.000				1.000				1.000				1.000			
7362	Rv0006	gyrA	p.Glu21Gln	7362	Rv0006	gyrA	p.Glu21Gln	7362	Rv0006	gyrA	p.Glu21Gln	7362	Rv0006	gyrA	p.Glu21Gln
1.000				1.000				1.000				1.000			
7585	Rv0006	gyrA	p.Ser95Thr	7585	Rv0006	gyrA	p.Ser95Thr	7585	Rv0006	gyrA	p.Ser95Thr	7585	Rv0006	gyrA	p.Ser95Thr
1.000				1.000				1.000				1.000			
8285	Rv0006	gyrA	c.984C>T	7844	Rv0006	gyrA	c.543C>T	8091	Rv0006	gyrA	p.Arg264Cys	8091	Rv0006	gyrA	p.Arg264Cys
1.000				1.000				0.996				1.000			
9143	Rv0006	gyrA	c.1842T>C	8285	Rv0006	gyrA	c.984C>T	8285	Rv0006	gyrA	c.984C>T	8285	Rv0006	gyrA	c.984C>T
1.000				1.000				0.996				1.000			
9217	Rv0006	gyrA	p.Asp639Ala	9143	Rv0006	gyrA	c.1842T>C	9143	Rv0006	gyrA	c.1842T>C	9143	Rv0006	gyrA	c.1842T>C
1.000				1.000				1.000				1.000			
9304	Rv0006	gyrA	p.Gly668Asp	9217	Rv0006	gyrA	p.Asp639Ala	9217	Rv0006	gyrA	p.Asp639Ala	9217	Rv0006	gyrA	p.Asp639Ala
1.000				1.000				1.000				1.000			
491742	Rv0407	fgd1	c.960T>C	9304	Rv0006	gyrA	p.Gly668Asp	9304	Rv0006	gyrA	p.Gly668Asp	9304	Rv0006	gyrA	p.Gly668Asp
1.000				1.000				1.000				1.000			
576737	Rv0486	mshA	p.Val464Leu	491742	Rv0407	fgd1	c.960T>C	491742	Rv0407	fgd1	c.960T>C	491742	Rv0407	fgd1	c.960T>C
1.000				1.000				1.000				1.000			
763031	Rv0667	rpoB	c.3225T>C	763031	Rv0667	rpoB	c.3225T>C	576108	Rv0486	mshA	p.Ala254Gly	576108	Rv0486	mshA	p.Ala254Gly
1.000				1.000				0.368				0.362			
781395	Rv0682	rpsL	c.-165T>C	781395	Rv0682	rpsL	c.-165T>C	763031	Rv0667	rpoB	c.3225T>C	763031	Rv0667	rpoB	c.3225T>C
1.000				1.000				1.000				1.000			
1302899	Rv1173	fbiC	c.-32A>G	1302899	Rv1173	fbiC	c.-32A>G	781395	Rv0682	rpsL	c.-165T>C	781395	Rv0682	rpsL	c.-165T>C
1.000				1.000				1.000				1.000			
1417554	Rv1267c	embR	c.-207C>G	1417554	Rv1267c	embR	c.-207C>G	1302899	Rv1173	fbiC	c.-32A>G	1302899	Rv1173	fbiC	c.-32A>G
1.000				1.000				1.000				1.000			
1834859	Rv1630	rpsA	p.Ala440Thr	1834859	Rv1630	rpsA	p.Ala440Thr	1417554	Rv1267c	embR	c.-207C>G	1417554	Rv1267c	embR	c.-207C>G
1.000				1.000				1.000				1.000			

1917972 Rv1694 tlyA c.33A>G 1.000	1917972 Rv1694 tlyA c.33A>G 1.000	1476074 rrl rrl r.2417t>c 1.000	1476074 rrl rrl r.2417t>c 1.000
2154724 Rv1908c katG p.Arg463Leu 1.000	2154724 Rv1908c katG p.Arg463Leu 1.000	1834859 Rv1630 rpsA p.Ala440Thr 1.000	1834859 Rv1630 rpsA p.Ala440Thr 1.000
2155503 Rv1908c katG c.609G>A 1.000	2155503 Rv1908c katG c.609G>A 1.000	1917972 Rv1694 tlyA c.33A>G 1.000	1917972 Rv1694 tlyA c.33A>G 1.000
2156025 Rv1908c katG c.87G>T 1.000	2156025 Rv1908c katG c.87G>T 1.000	2154724 Rv1908c katG p.Arg463Leu 1.000	2154724 Rv1908c katG p.Arg463Leu 0.996
2518132 Rv2245 kasA c.18C>T 1.000	2518132 Rv2245 kasA c.18C>T 1.000	2155503 Rv1908c katG c.609G>A 1.000	2155503 Rv1908c katG c.609G>A 1.000
3086788 Rv2780 ald c.-32T>C 1.000	3086788 Rv2780 ald c.-32T>C 1.000	2156025 Rv1908c katG c.87G>T 1.000	2156025 Rv1908c katG c.87G>T 0.996
3087084 Rv2780 ald c.266 266del 1.000	3087084 Rv2780 ald c.266 266del 1.000	2518132 Rv2245 kasA c.18C>T 1.000	2518132 Rv2245 kasA c.18C>T 1.000
3642478 Rv3262 fbiB p.Asp315Ala 1.000	4240671 Rv3793 embC p.Thr270Ile 1.000	3086788 Rv2780 ald c.-32T>C 1.000	3086788 Rv2780 ald c.-32T>C 1.000
4240671 Rv3793 embC p.Thr270Ile 1.000	4242643 Rv3793 embC c.2781C>T 1.000	3087084 Rv2780 ald c.266 266del 1.000	3087084 Rv2780 ald c.266 266del 1.000
4242643 Rv3793 embC c.2781C>T 1.000	4242970 Rv3793 embC c.3108C>T 1.000	3642478 Rv3262 fbiB p.Asp315Ala 1.000	3642478 Rv3262 fbiB p.Asp315Ala 1.000
4242970 Rv3793 embC c.3108C>T 1.000	4244220 Rv3794 embA c.988C>T 1.000	4240671 Rv3793 embC p.Thr270Ile 1.000	4240671 Rv3793 embC p.Thr270Ile 1.000
4244220 Rv3794 embA c.988C>T 1.000	4246551 Rv3795 embB p.Asn13Ser 1.000	4242643 Rv3793 embC c.2781C>T 1.000	4242643 Rv3793 embC c.2781C>T 1.000
4246551 Rv3795 embB p.Asn13Ser 1.000	4246864 Rv3795 embB c.351C>T 1.000	4242970 Rv3793 embC c.3108C>T 1.000	4242970 Rv3793 embC c.3108C>T 1.000
4246864 Rv3795 embB c.351C>T 0.996	4247646 Rv3795 embB p.Glu378Ala 1.000	4244220 Rv3794 embA c.988C>T 1.000	4244220 Rv3794 embA c.988C>T 1.000
4247646 Rv3795 embB p.Glu378Ala 1.000	4269351 Rv3806c ubiA c.483G>A 1.000	4246551 Rv3795 embB p.Asn13Ser 1.000	4246551 Rv3795 embB p.Asn13Ser 1.000
4269351 Rv3806c ubiA c.483G>A 1.000	4269387 Rv3806c ubiA p.Glu149Asp 1.000	4246864 Rv3795 embB c.351C>T 1.000	4246864 Rv3795 embB c.351C>T 1.000
4269387 Rv3806c ubiA p.Glu149Asp 1.000	4269606 Rv3806c ubiA c.228A>G 1.000	4247646 Rv3795 embB p.Glu378Ala 1.000	4247646 Rv3795 embB p.Glu378Ala 1.000
4269606 Rv3806c ubiA c.228A>G 1.000	4407588 Rv3919c gid c.615T>C 1.000	4269351 Rv3806c ubiA c.483G>A 1.000	4269351 Rv3806c ubiA c.483G>A 1.000
4407588 Rv3919c gid c.615T>C 1.000		4269387 Rv3806c ubiA p.Glu149Asp 1.000	4269387 Rv3806c ubiA p.Glu149Asp 1.000
		4269606 Rv3806c ubiA c.228A>G 1.000	4269606 Rv3806c ubiA c.228A>G 1.000
		4407588 Rv3919c gid c.615T>C 1.000	4407588 Rv3919c gid c.615T>C 1.000
			4408199 Rv3919c gid p.Ser2Pro 1.000