

Analysis of Rv0978c	GC content %			Substitutions/Site		
	Pos1	Pos2	Pos3	Pos1	Pos2	Pos3
ST1 (<i>M. tuberculosis</i>)	71.9	65.9	85.7	1	0	0
ST2 (<i>M. tuberculosis</i>)	72.5	65.9	86.3	0	0	1
ST3 (<i>M. caprae</i>)	72.5	65.4	86.8	2	1	2
ST4 (<i>M. bovis</i>)	72.5	65.4	86.2	1	1	2
ST5 (<i>M. bovis</i>)	72.5	65.4	86.2	0	1	2
ST6 (<i>M. bovis</i> BCG)	72.5	65.4	86.2	0	1	2
ST7 (<i>M. pinnipedii</i>)	72.5	65.4	86.8	1	1	3
ST8 (<i>M. africanum</i>)	72	65.9	87.3	2	0	4
ST9 (<i>M. canettii</i>)	73.9	66.1	87.3	5	2	12
ST10 (<i>M. microti</i>)	68.1	60.4	85.4	1	0	1

Analysis of the GC content position by position

One-way analysis of variance

P value $P < 0.0001$

P value summary Yes

Tukey's Multiple Comparison Test

	Mean Diff.	<i>P</i> value	95% CI of diff
pos1 vs pos2	6,970	$P < 0.001$	1.756 to 4.334
pos1 vs pos3	-14,33	$P < 0.001$	-8.894 to -6.316
pos2 vs pos3	-21,30	$P < 0.001$	-11.94 to -9.361

Analysis of the distribution of substitutions

One-way analysis of variance

P value 0.0820

P value summary NS

Tukey's Multiple Comparison Test

	Mean Diff.	<i>P</i> value	95% CI of diff
pos1 vs pos2	0.6000	$P > 0.05$	-1.808 to 3.008
pos1 vs pos3	-1.600	$P > 0.05$	-4.008 to 0.8075
pos2 vs pos3	-2.200	$P > 0.05$	-4.608 to 0.2075

Analysis of Rv0980c	GC content %			Substitutions/Site		
	Pos1	Pos2	Pos3	Pos1	Pos2	Pos3
ST1 (<i>M. tuberculosis</i>)	75	66.9	79.4	0	0	5
ST2 (<i>M. tuberculosis</i>)	75	66.3	79.9	0	1	4
ST3 (<i>M. tuberculosis</i>)	75	66.9	84.7	0	0	1
ST4 (<i>M. tuberculosis</i>)	75	66.9	80.4	0	0	1
ST5 (<i>M. tuberculosis</i>)	75	66.9	79.4	0	0	1
ST6 (<i>M. tuberculosis</i>)	75.6	66.9	78.3	2	0	4
ST7 (<i>M. tuberculosis</i>)	75	66.9	78.8	0	0	3
ST8 (<i>M. tuberculosis</i>)	77.4	66.9	79.3	1	0	9
ST9 (<i>M. tuberculosis</i>)	74.5	66.9	79.8	2	1	8
ST10 (<i>M. tuberculosis</i>)	73.9	66.9	80.4	2	0	6
ST11 (<i>M. tuberculosis</i>)	74.4	66.9	80.9	1	0	5
ST12 (<i>M. tuberculosis</i>)	75	66.9	78.8	1	1	6
ST13 (<i>M. africanum</i>)	75.6	66.9	78.8	2	0	3
ST14 (<i>M. bovis</i> BCG)	75	66.9	79.4	0	0	1
ST15 (<i>M. microti</i>)	75	66.9	78.8	0	0	0
ST16 (<i>M. pinnipedii</i>)	73.7	75.6	78.8	2	0	3
ST17 (<i>M. caprae</i>)	75	66.9	79.4	0	0	1
ST18 (<i>M. canetti</i>)	70.3	71.2	79.9	5	0	1
ST19 (<i>M. bovis</i>)	75	66.9	79.4	0	0	1

Analysis of the GC content position by position

One-way analysis of variance

P value $P < 0.0001$

P value summary Yes

Tukey's Multiple Comparison Test

	Mean Diff.	<i>P</i> value	95% CI of diff
pos1 vs pos2	4	$P < 0.001$	2.421 to 4.398
pos1 vs pos3	-4.632	$P < 0.001$	-3.304 to -1.327
pos2 vs pos3	-11.45	$P < 0.001$	-6.714 to -4.736

Analysis of the distribution of substitutions

One-way analysis of variance

P value $P < 0.0001$

P value summary Yes

Tukey's Multiple Comparison Test

	Mean Diff.	<i>P</i> value	95% CI of diff
pos1 vs pos2	0.6250	$P > 0.05$	-0.7751 to 2.025
pos1 vs pos3	-2.938	$P < 0.001$	-4.338 to -1.537
pos2 vs pos3	-3.563	$P < 0.001$	-4.963 to -2.162