	1	2	3	4	5	r 6	rpoC a	alleles 8	s 9	10	11	12	#R	Total	
1	-	2/2	4/10	-	<u>3</u>	30 45	4/4	10 10	2/2	-	-	-	63	89	- 3.0
2	78	<u>6</u> 8	70 121	-	2/22	309 614	2/2	-	9 10	12 12	4 106	7/41	532	1080	- 1.5
rpsL 3 alleles	<u>5</u>	<u>21</u> 21	-	16 16	3	9 15	-	-	-	-	-	-	70	81	
4	1 1	34	3	<u>5</u>	<u>19</u> 27	86 106	34 34	35 35	-	-	-	1 1	261	294	- 0.0
#R	13	32	78	21	30	444	40	45	11	12	4	8			1.5
Total	14	35	135	21	60	790	40	45	12	12	110	42			3.0

	1	2	3	4	5	rpo 6	B alle 7	eles 8	9	10	11	#R	Total	
1	4/4	-	1 1	-	-	-	-	-	-	<u>4</u> 5	-	12	17	- 4
2	16 16	13 13	182 188	14 206	4/4	4/4	4/4	<u>4</u> 5	<u>5</u>	43 45	8 9	370	591	- 2
Rv3312c ₃ alleles	1 1	-	4/4	-	-	-	-	-	-	<u>4</u> 5	-	10	21	- 0
4	<u>17</u> 17	9 9	<u>254</u> 271	<u>16</u> 323	<u>11</u> 14	77	<u>9</u> 11	14 16	<u>59</u> 59	<u>55</u> 57	<u>4</u> 8	551	923	- 0
#R	39	22	443	30	15	11	13	18	64	106	12			2
Total	39	22	466	549	21	11	16	21	64	112	17			4

	1	2	3	4	katG a	alleles 6	5 7	8	#R	Total		
1		-	-	77	-	-	-	14 14	21	21		- 1
10	-	15 15	<u>5</u>	28 28	-	1/1	18 19	77	86	87		- 4
11	<u>2</u> 3	1 1	<u>26</u> 28	105 108	<u>5</u>	-	33 34	48 52	258	271		
2	1 1	-	61 63	<u>53</u> 58	-	-	64 67	28 28	213	228	_	- 2
3	-	-	<u>6</u>	<u>2</u>	-	-	2/2	<u>2</u> 3	12	13		
4 embB	1 1	-	<u>4</u> 5	-	-	-	<u>5</u>	2/2	13	14		
alleles 5	1 61	-	<u>3</u> 5	-	2 68	-	3 10	-	9	147	-	- 0
6	-	-	4/4	<u>7</u> 8	-	-	1/1	<u>6</u>	19	20		
7	-	-	<u>6</u>	<u>5</u>	-	-	2/2	3	16	16		
8	-	-	-	4/4	-	-	3	4/4	15	15	-	2
9	<u>5</u> 75	10 119	18 25	31 43	6 119	3 44	16 23	14 23	130	518		
#R	14	28	155	290	15	4	182	147				
Total	159	145	175	313	210	47	205	163				4

								oncA a								
r	1	2	3	4	5	6	7	8	9	10	11	12	13	14	#R	Total
1	-	ı	1	-	1	1	1	1	ı	14 14	1	-	1	ı	21	21
10	1	1	1	1	<u>1</u>	<u>2</u>	1	10 10	1	12 13	ı	-	16 16	<u>21</u> 21	86	87
11	1	<u>2</u>	19 19	17 17	<u>1</u>	<u>4</u>	13 14	1	1	<u>21</u> 23	1	<u>6</u> 7	1	ı	258	271
2	<u>4</u>	-	17 17	-	<u>21</u> 21	<u>1</u>	1	<u>1</u>	<u>21</u> 21	<u>26</u> 34	11 11	<u>4</u>	-	-	213	228
3	-	2/2	-	-	-	-	1	-	-	<u>1</u>	-	-	-	1	12	13
embB 4	2/2	1/1	-	-	-	-	-	-	-	<u>5</u>	-	-	-	-	13	14
alleles 5	-	-	1	1	ı	-	ı		-	7 141	ı	-	1	-	9	147
6	1/1	-	1	-	-	-	-	-	-	<u>6</u> 7	-	-	-	-	19	20
7	-	-	1	1	1	4/4	1	1	-	2/2	1	3	1	-	16	16
8	,	-	1	1	1	w w	1	1	-	ა 	1	1	1	-	15	15
9	-	2/2	1	1	1	1 1	1	2/2	1	76 412	1	<u>3</u>	1	1	130	518
#R	9	11	38	17	24	16	14	15	22	212	11	19	16	21		
Total	11	11	38	17	24	16	15	15	22	740	11	22	16	21		

- 3.0

- 1.5

- 0.0

- -1.5

- –3.0

	1	2	3	4	5	rpo 6	B alle	eles 8	9	10	11	#R	Total		
1	-	-	<u>5</u> 7	-	-	-	-	-	-	-	-	9	11		
10	10 10	ı	105 114	21 490	<u>5</u> 5	2/2	<u>7</u> 8	9 12	-	13 14	<u>5</u> 7	212	740		- 4
11	-	-	11 11	-	-	-	-	-	-	-	-	11	11		
12	-	-	<u>1</u>	-	-	-	-	1	-	16 17	-	19	22		
13	-	-	16 16	1	-	-	-	-	-	-	-	16	16		- 2
14	<u>20</u> 20	-	<u>1</u>	-	-	-	-	1	-	-	-	21	21		
2	-	-	<u>5</u> 5	1	-	-	-	-	-	<u>w</u>	-	11	11		
pncA 3 alleles	-	-	38 38	-	-	-	-	1	-	-	-	38	38		0
4	-	-	17 17	1	-	-	-	-	-	-	-	17	17		- 0
5	-	-	23 23	-	-	-	-	1	-	-	-	24	24		
6	-	-	8 8	-	-	2/2	-	1	-	<u>w</u>	-	16	16		
7	-	1	<u>6</u>	<u>1</u>	1	1	-	ı	1	<u>1</u>	-	14	15		- –2
8	-	-	13 13	1	-	-	-	1	-	-	-	15	15		
9	1 1	<u>21</u> 21	-	-	-	-	-	-	-	-	-	22	22		
#R	39	22	443	30	15	11	13	18	64	106	12				- –4
Total	39	22	466	549	21	11	16	21	64	112	17				

				J	katG a	alleles	ŝ				
	1	2	3	4	5	6	7	8	#R	Total	
1	-	-	-	<u>8</u>	-	-	-	4/4	12	17	- 3.0
2	<u>7</u> 62	<u>15</u> 60	<u>57</u> 63	9 <u>4</u> 95	<u>3</u> 76	1 12	88 99	<u>50</u> 52	370	591	- 1.5
Rv3312c ₃ alleles	-	-	-	<u>5</u>	-	-	-	<u>4</u> 5	10	21	
4	<u>7</u> 94	12 74	98 112	182 200	12 129	<u>3</u> 32	94 106	89 102	551	923	- 0.0
#R	14	28	155	290	15	4	182	147			1.5
Total	159	145	175	313	210	47	205	163			3.0

	1	2	3	4	katG a	alleles 6	5 7	8	#R	Total		
1	-	-	-	87 89	-	-	-	37 41	125	132		
10	<u>2</u> 8	-	1/2	-	<u>2</u>	-	1/1	ı	6	17		
11	ı	ı	28 28	ı	ı	-	25 25	ı	53	53		- 3.0
12	-	-	-	<u>8</u> 12	1	-	1	<u>5</u>	13	18		
13	ı	<u>2</u> 31	ı	31 34	ı	-	ı	<u>6</u> 7	40	81		- 1.5
2	<u>1</u> 5	1	<u>1</u>	ı	ı	-	ı	ı	5	14		113
3 gid	<u>4</u> 16	1	<u>25</u> 28	ı	3 33	-	<u>52</u> 58	ı	94	152		
alleles 4	<u>1</u>	4 8	<u>11</u> 12	15 19	1 3	<u>1</u> 5	∞ ∞	9 10	60	82		- 0.0
5	1	<u>1</u>	2/2	5 5	ı	-	ı	<u>1</u>	9	15		
6	<u>1</u>	1	1/2	1	1	-	തത	1	9	30		
7	1	1	68 74	ı	<u>5</u> 52	-	<u>72</u> 79	ı	171	283		1.5
8	1	1	1	ı	1	-	ı	ı	0	11		
9	<u>4</u> 65	<u>20</u> 92	9 17	73 79	<u>4</u> 80	<u>3</u> 32	<u>5</u> 11	<u>58</u> 64	212	484		3.0
#R	14	28	155	290	15	4	182	147				
Total	159	145	175	313	210	47	205	163				

	1	2	3	4	5	rpo 6	B alle	eles 8	9	10	11	#R	Total		
1	-	-	<u>3</u> 7	5 134	-	<u>1</u>	-	-	-	-	-	14	159		
2	-	-	18 19	8 120	2/2	-	-	-	-	-	-	28	145	- 4	1
3	<u>3</u>	-	87 89	2 16	<u>2</u>	<u>2</u>	<u>3</u>	<u>5</u> 5	-	32 32	<u>1</u>	155	175		
4	27 27	17 17	88 90	<u>1</u>	7 10	<u>5</u> 5	<u>5</u>	<u>5</u> 5	<u>50</u> 50	22 23	<u>6</u>	290	313	- 2	<u> </u>
katG ₅ alleles	-	-	9 13	3 177	-	-	-	-	-	-	1/2	15	210	- (^
6	-	-	1/1	<u>2</u> 42	-	-	-	<u>1</u>	-	-	-	4	47	- (J
7	-	1/1	108 109	7 21	-	-	2/2	3	-	32 33	<u>3</u> 5	182	205		-2
8	77	4/4	72 75	<u>1</u>	<u>4</u> 5	2/2	1/2	1/1	13 13	12 13	1/3	147	163		-2
#R	39	22	443	30	15	11	13	18	64	106	12				-4
Total	39	22	466	549	21	11	16	21	64	112	17				7

						ı	rpoC a	alleles	5						
	1	2	3	4	5	6	7	8	9	10	11	12	#R	Total	
1	-	-	1	-	-	-	1	-	1	-	4 108	7 41	17	170	- 4
2	-	-	1	1	-	<u>67</u> 67	1	-	-	-	1	-	67	67	- 2
3 ubiA	13 14	<u>29</u> 32	69 125	<u>21</u> 21	<u>30</u> 60	355 695	4/4	45 45	11 12	12 12	1	-	756	1211	2
alleles 4	-	-	2/2	-	-	<u>5</u>	-	-	-	-	-	-	11	11	- 0
5	-	1	1	-	-	1/1	17 17	-	,	-	- 1	-	18	18	2
#R	13	32	78	21	30	444	40	45	11	12	4	8			2
Total	14	35	135	21	60	790	40	45	12	12	110	42			4

				- 1	katG a		5					
	1	2	3	4	5	6	7	8	#R	Total		
1	-	-	-	<u>6</u> 7	1	1	-	<u>3</u> 4	10	24		
10	-	<u>1</u>	<u>6</u>	<u>1</u>	1	-	<u>5</u>	1	15	16		- 4
11	-	-	<u>5</u>	<u>5</u>	ı	ı	<u>2</u>	ı	17	18		
12	-	-	10 10	<u>5</u> 6	1	-	23 23	2/2	43	48		
13	-	-	ı	64 64	ı	ı	-	15 15	80	80		- 2
2	-	-	2/2	<u>1</u>	1	-	<u>4</u> 4	1	9	10		
avrA 3	1/2	1/1	8 8	2/2	<u>1</u>	-	10 10	<u>4</u>	33	35		
gyrA alleles 4	-	<u>1</u> 17	-	<u>21</u> 22	1	<u>1</u>	-	15 17	58	88		- 0
5	<u>6</u> 82	2 <u>1</u> 87	88 100	96 109	10 117	3 24	99 113	<u>55</u> 62	431	769		
6	-	-	-	14 14	1	-	-	66	21	22		
7	<u>2</u> 53	1	<u>6</u> 12	1	<u>2</u> 62	ı	<u>4</u> 9	ı	15	140		2
8	-	1	ı	44 47	ı	ı	ı	<u>26</u> 31	70	95		
9	-	-	<u>20</u> 21	11 11	ı	1	<u>22</u> 23	<u>1</u>	61	71		
#R	14	28	155	290	15	4	182	147				4
Total	159	145	175	313	210	47	205	163				

	1	2	3	4	5	6	gyr 7	A alle	eles 9	10	11	12	13	#R	Total	
1	-	-	-	-	10 14	-	-	-	-	-	-	-	-	12	17	- 4
2	4/10	4/4	18 19	<u>26</u> 40	186 327	10 10	9 48	<u>19</u> 22	<u>21</u> 23	77	10 10	<u>22</u> 23	8 8	370	591	- 2
Rv3312c ₃ alleles	-	1	-	-	9 16	-	-	1	1	1	-	-	-	10	21	- 0
4	6 14	5 6	15 16	32 45	225 403	11 12	6 91	<u>51</u> 73	38 46	8 9	7 8	<u>21</u> 24	7 <u>1</u> 71	551	923	- 0
#R	10	9	33	58	431	21	15	70	61	15	17	43	80			- –2
Total	24	10	35	88	769	22	140	95	71	16	18	48	80			4

	1	2	3	4	katG a	alleles 6	5 7	8	#R	Total		
1	-	-	<u>1</u>	<u>5</u>	-	-	<u>1</u>	<u>6</u>	14	14		
10	-	-	22 22	-	ı	ı	23 23	ı	45	45		
11	-	ı	29 29	-	ı	ı	32 32	1	61	61		- 3.0
12	-	ı	ı	<u>17</u> 17	ı	ı	ı	<u>4</u>	21	21		
13	-	-	-	<u>7</u>	1	ı	ı	17 18	24	25		
14	-	-	<u>1</u>	-	1	ı	10 10	1	11	11		- 1.5
2	-	-	<u>6</u>	-	1	-	7 7	<u>1</u>	16	16		
ethA 3 alleles	-	-	4/4	<u>3</u>	-	-	2/2	1 1	11	12		0.0
4	-	-	13 14	<u>5</u>	1	-	<u>5</u> 7	<u>1</u>	25	30		- 0.0
5	-	-	9 10	-	-	-	4/4	-	13	14		
6	-	-	4/4	-	1	-	8 8	<u>1</u>	13	13		1.5
7	3 18	ı	1/2	-	2 16	ı	1/2	ı	7	39		
8	-	1	-	-	1	1	1	1	0	12		
9	8 129	27 142	38 53	197 216	13 173	<u>4</u> 45	<u>51</u> 68	83 96	495	1018		3.0
#R	14	28	155	290	15	4	182	147				
Total	159	145	175	313	210	47	205	163				

	1	2	3	4	5	6	7	ethA a	alleles 9	10	11	12	13	14	#D	Total		
1	-		-	-		-	-	-	125 132	-	-	-	-	-	125	132		
10	_	_	_	_	_	-	5 16	_	-	-	_	_	_	_	6	17		
11	_	_	_	_	_	_	-	_	_	_	<u>53</u> 53	_	_	_	53	53		- 3.0
	1								9									5.0
12	1/1	-	-	-	-	-	-	-	9 13	-	-	-	-	-	13	18		
13	-	-	-	1/1	-	ı	-	-	26 66	ı	-	-	ı	-	40	81		- 1.5
2	-	-	-	-	-	1	-	-	<u>5</u>	1	-	-	-	-	5	14		1.5
3	1 1	<u>3</u>	<u>1</u>	<u>5</u> 5	<u>3</u>	<u>6</u>	-	-	<u>27</u> 71	9 9	-	-	-	11 11	94	152		
gid alleles 4	1/1	-	<u>5</u>	<u>3</u> 3	-	-	-	-	<u>37</u> 54	-	-	<u>1</u>	-	-	60	82	-	- 0.0
5	-	-	-	-	-	-	-	-	<u>7</u> 11	-	-	-	-	-	9	15		
6	-	-	-	-	-	-	-	-	<u>9</u> 29	-	-	-	-	-	9	30		
7	1/1	<u>12</u> 12	4/4	11 13	<u>10</u> 11	66	-	-	<u>50</u> 152	36 36	-	-	-	-	171	283		1.5
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	11		
9	-	-	-	<u>2</u>	-	<u>1</u>	-	-	126 365	-	-	<u>20</u> 20	24 25	-	212	484	_	3.0
#R	14	16	11	25	13	13	7	0	495	45	61	21	24	11				
Total	14	16	12	30	14	13	39	12	1018	45	61	21	25	11				

	1	2	3	4	katG a 5	alleles 6	5 7	8	#R	Total		
1	-	-	<u>5</u>	3 3	-	-	<u>1</u>	<u>4</u>	13	14		
10	-	-	1/1	1 1	-	-	10 10	-	12	12		
11	-	-	<u>2</u> 7	-	<u>1</u> 50	-	<u>1</u> 7	-	4	110		3.0
12	1 16	-	<u>1</u> 3	-	1 16	-	<u>4</u> 5	-	8	42		
2	_	-	<u>3</u> 3	8 8	-	-	4/4	14 14	32	35	_	1.5
3	-	3 33	<u>1</u>	<u>52</u> 59	-	1 14	-	<u>17</u> 20	78	135		ļ
rpoC 4 alleles	-	15 15	-	-	-	<u>1</u>	-	-	21	21		0.0
5	-	-	<u>8</u> 11	-	1 15	-	<u>17</u> 20	-	30	60		0.0
6	9 76	<u>7</u> 90	61 69	156 170	5 106	<u>1</u> 30	73 82	<u>70</u> 80	444	790		
7	-	-	-	<u>25</u> 25	-	-	-	14 14	40	40	-	-1.5
8	-	-	<u>22</u> 22	-	-	-	23 23	-	45	45		
9	-	-	-	77	-	-	2/2	1/2	11	12	_	3.0
#R	14	28	155	290	15	4	182	147				
Total	159	145	175	313	210	47	205	163				

	gid alleles																
	_1	_ 2	3	4	5	6		. 8	9	10	11	12	13	#K	Total		
1	-	-	-	-	-	-	-	-	-	-	-	7 9	-	12	17		- 3.0
2	15 16	<u>2</u> 7	42 70	16 18	<u>6</u> 7	6 15	85 143	-	90 175	-	<u>26</u> 26	-	1 <u>5</u> 25	370	591		- 1.5
Rv3312c ₃ alleles	-	-	-	1/1	-	-	-	-	-	-	-	<u>6</u> 8	1 1	10	21		- 0.0
4	110 116	<u>3</u>	<u>52</u> 81	43 62	38	3 15	85 137	-	122 292	6 15	<u>27</u> 27	-	<u>23</u> 54	551	923		
#R	125	5	94	60	9	9	171	0	212	6	53	13	40				1.5
Total	132	14	152	82	15	30	283	11	484	17	53	18	81				3.0

	katG alleles														
		1	2	3	4	5	6	7	8	#R	Total				
	1	<u>2</u> 65	-	<u>7</u>	-	3 73	-	<u>4</u> 12	1	17	170		- 4		
	2	-	-	-	<u>53</u> 53	-	-	-	13 13	67	67		- 2		
ubiA	3	<u>8</u> 89	27 141	144 157	191 211	11 133	<u>4</u> 47	168 183	107 123	756	1211		2		
alleles	4	-	-	-	4/4	-	-	2/2	2/2	11	11		- 0		
	5	,	-	-	15 15	-	-	-	ა ა	18	18				
#	ŧR	14	28	155	290	15	4	182	147				2		
Tot	al	159	145	175	313	210	47	205	163				4		

	1	2	3	4	5	rpc 6	B alle	eles 8	9	10	11	#R	Total		
1	-	-	9 12	-	-	-	-	-	-	-	-	10	24		
10	-	1/1	<u>3</u>	-	-	-	-	1/1	-	8 8	-	15	16		- 4
11	ı	-	<u>3</u>	-	1 1	-	1/1	-	-	<u>4</u> 4	<u>3</u>	17	18		
12	-	<u>5</u> 5	<u>29</u> 31	-	1	-	-	1/1	-	<u>4</u>	-	43	48		
13	∞ ∞	ı	<u>5</u>	1	ı	ı	ı	ı	64 64	<u>1</u>	ı	80	80		- 2
2	-	-	<u>3</u>	1	1	-	-	-	-	2/2	-	9	10		
avrA 3	ı	ı	24 25	1	ı	ı	ı	1	ı	1	ı	33	35		
gyrA alleles 4	<u>1</u>	ı	<u>22</u> 23	<u>3</u> 30	1	1	ı	ı	ı	17 18	1	58	88		- 0
5	11 11	11 11	240 247	20 314	<u>2</u> 6	<u>5</u>	<u>7</u>	12 15	ı	<u>49</u> 52	<u>7</u>	431	769		
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9	-	4/4	32 34	-	-	$\frac{1}{1}$	-	$\frac{1}{1}$	-	<u>8</u>	-	61	71		
#R	39	22	443	30	15	11	13	18	64	106	12				- –4
Total	39	22	466	549	21	11	16	21	64	112	17				