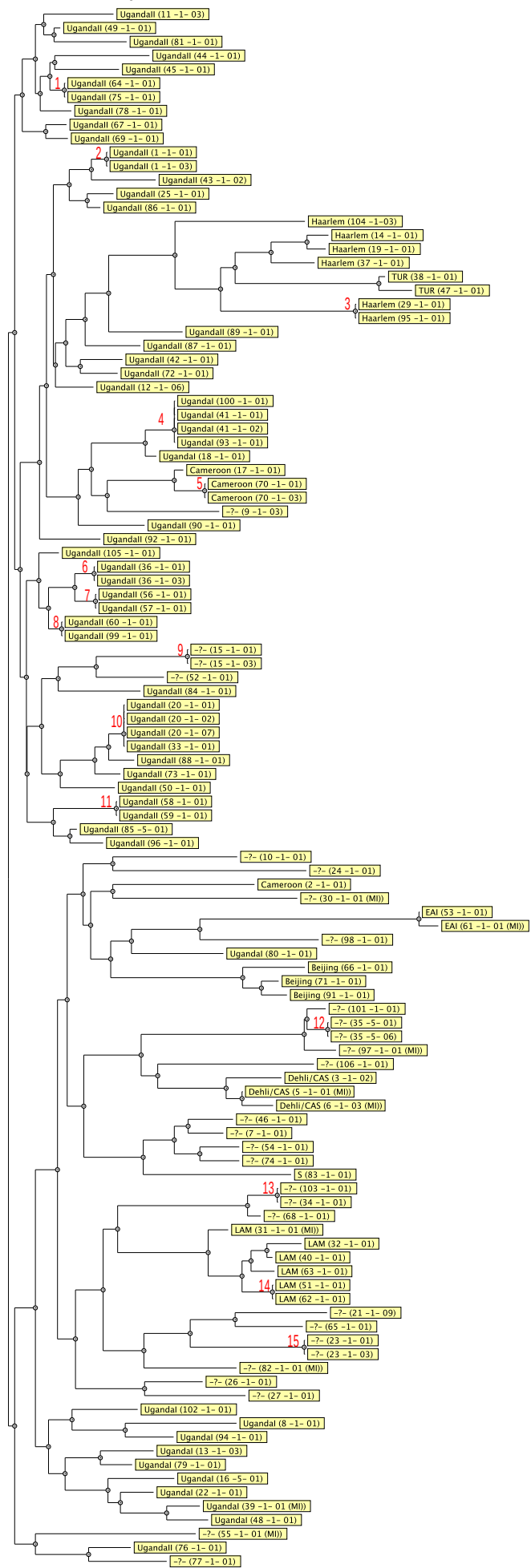




Lineage

MIRU loci

49 -1- 01	Ugandall	M. tuberculosis	7-7	3	4	2	4	3	3	3	2	4	2	4	4	3	7	2
81 -1- 01	Ugandall	M. tuberculosis	175-7	2	5	2	4	3	3	3	2	4	2	4	4	3	7	2
44 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	1	4	3	3	3	2	1	2	4	4	3	7	2
45 -1- 01	Ugandall	M. tuberculosis	7-7	4	5	2	4	3	3	3	2	3	2	4	2	3	6	2
64 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	4	3	3	3	2	4	2	4	4	3	6	2
75 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	4	3	3	3	2	4	2	4	4	3	6	2
78 -1- 01	Ugandall	M. tuberculosis	22-7	2	5	2	4	3	3	3	2	4	2	4	4	3	5	2
67 -1- 01	Ugandall	M. tuberculosis	7-7	1	5	2	5	3	3	3	2	4	2	4	4	3	7	2
69 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	5	3	3	3	2	4	2	4	4	3	8	2
1 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	3	3	3	3	2	3	2	4	3	3	7	2
1 -1- 03	Ugandall	M. tuberculosis	7-7	2	5	2	3	3	3	3	2	3	2	4	3	3	7	2
43 -1- 02	Ugandall	M. tuberculosis	7-7	4	5	2	3	3	3	3	2	3	2	4	3	2	7	2
25 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	3	3	3	3	2	4	2	4	3	2	5	2
86 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	3	3	3	3	2	4	2	4	3	2	7	2
104 -1- 03	Haarlem	M. tuberculosis	7-7	2	4	2	4	3	3	3	3	4	4	3	7	8	3	
14 -1- 01	Haarlem	M. tuberculosis	7-7	2	3	2	2	4	3	3	5	3	4	5	3	3	7	4
19 -1- 01	Haarlem	M. tuberculosis	7-7	2	3	2	2	4	3	3	5	3	4	5	3	3	7	3
37 -1- 01	Haarlem	M. tuberculosis	7-7	1	3	2	2	4	3	3	3	4	5	3	3	7	3	
38 -1- 01	TUR	M. tuberculosis	594-7	1	4	2	2	5	1	3	1	3	4	1	3	3	7	3
47 -1- 01	TUR	M. tuberculosis	7-7	1	4	2	2	5	1	5	1	3	4	1	3	3	7	3
29 -1- 01	Haarlem	M. tuberculosis	7-7	3	3	2	2	1	3	3	6	2	4	5	3	3	6	3
95 -1- 01	Haarlem	M. tuberculosis	7-7	3	3	2	2	1	3	3	6	2	4	5	3	3	6	3
89 -1- 01	Ugandall	M. tuberculosis	7-7	2	6	2	3	4	3	3	3	4	2	4	3	3	7	2
87 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	3	4	3	3	2	4	2	4	3	4	7	2
42 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	4	2	3	3	2	4	2	4	3	3	7	2
72 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	3	2	3	3	2	4	2	4	3	3	6	2
12 -1- 06	Ugandall	M. tuberculosis	7-7	2	5	2	2	3	3	3	2	4	2	4	3	3	7	2
100 -1- 01	Ugandall	M. tuberculosis	35-7	2	5	2	3	3	3	2	3	4	2	3	2	3	7	2
41 -1- 01	Ugandall	M. tuberculosis	35-7	2	5	2	3	3	3	2	3	4	2	3	2	3	7	2
41 -1- 02	Ugandall	M. tuberculosis	35-7	2	5	2	3	3	3	2	3	4	2	3	2	3	7	2
93 -1- 01	Ugandall	M. tuberculosis	35-7	2	5	2	3	3	3	2	3	4	2	3	2	3	7	2
18 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	3	3	3	2	3	4	2	4	2	3	7	2
17 -1- 01	Cameroon	M. tuberculosis	7-7	2	5	2	3	3	3	2	4	4	2	5	3	3	5	2
70 -1- 01	Cameroon	M. tuberculosis	7-7	1	5	2	3	3	3	2	4	4	2	5	3	3	5	2
70 -1- 03	Cameroon	M. tuberculosis	7-7	1	5	2	3	3	3	2	4	4	2	5	3	3	5	2
9 -1- 03	7-7	7-7	7-7	5	5	2	3	3	3	2	2	4	3	5	2	3	8	2
90 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	3	3	5	2	4	2	4	4	3	3	7	2
92 -1- 01	Ugandall	M. tuberculosis	7-7	1	5	2	3	3	3	3	2	4	2	4	5	3	7	2
105 -1- 01	Ugandall	M. tuberculosis	28-7	2	5	2	3	3	3	3	2	4	2	4	4	3	6	2
36 -1- 01	Ugandall	M. tuberculosis	420-7	2	5	2	3	3	4	3	2	4	2	4	4	3	8	2
36 -1- 03	Ugandall	M. tuberculosis	420-7	2	5	2	3	3	4	3	2	4	2	4	4	3	8	2
56 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	3	3	4	3	2	4	2	4	4	3	4	2
57 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	3	3	4	3	2	4	2	4	4	3	4	2
60 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	3	3	3	3	2	4	2	4	4	3	4	2
99 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	3	3	3	3	2	4	2	4	4	3	4	2
15 -1- 01	7-7	7-7	7-7	3	6	1	3	3	3	3	2	4	2	4	4	3	2	
15 -1- 03	7-7	7-7	7-7	3	6	1	3	3	3	3	2	4	2	4	4	3	2	
52 -1- 01	7-7	7-7	7-7	3	4	1	3	3	3	3	2	4	2	2	4	3	8	2
84 -1- 01	Ugandall	M. tuberculosis	7-7	2	4	2	3	3	3	3	2	3	2	2	4	3	8	2
20 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	1	3	3	3	3	2	4	2	5	4	3	4	2
20 -1- 02	Ugandall	M. tuberculosis	7-7	2	5	1	3	3	3	3	2	4	2	5	4	3	4	2
20 -1- 07	Ugandall	M. tuberculosis	7-7	2	5	1	3	3	3	3	2	4	2	5	4	3	4	2
33 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	1	3	3	3	3	2	4	2	5	4	3	4	2
88 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	1	3	3	3	3	2	4	2	5	3	3	4	2
73 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	1	3	3	3	3	2	4	2	5	4	3	6	2
50 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	1	3	3	3	3	2	4	2	4	5	3	8	2
58 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	3	3	3	3	2	4	2	3	4	2	3	2
59 -1- 01	Ugandall	M. tuberculosis	7-7	2	5	2	3	3	3	3	2	4	2	3	4	2	3	2
85 -5- 01	Ugandall	M. tuberculosis	7-7	2	5	2	3	3	3	3	2	4	2	3	4	3	7	2
96 -1- 01	Ugandall	M. tuberculosis	7-7	2	4	2	3	3	3	3	2	4	2	3	4	3	7	2
10 -1- 01	7-7	7-7	7-7	3	4	2	5	3	3	2	2	2	5	4	1	8	2	
24 -1- 01	7-7	7-7	7-7	3	3	4	3	3	3	1	1	2	2	3	4	8	3	
2 -1- 01	Cameroon	M. tuberculosis	7-7	2	4	2	2	3	4	2	4	2	2	5	3	3	4	2
30 -1- 01 (MI)	7-7	7-7	7-7	7	3	2	4	3	7	2	4	3	2	4	7	4	3	7
53 -1- 01	EAI	M. tuberculosis	7-7	2	4	4	5	4	3	6	3	6	1	2	4	4	5	1
61 -1- 01 (MI)	EAI	M. tuberculosis	7-7	7	4	7	7	7	7	7	7	7	7	2	7	4	5	7
98 -1- 01	7-7	7-7	7-7	2	4	2	1	3	1	2	3	2	2	5	3	5	0	
80 -1- 01	Ugandall	M. tuberculosis	7-7	3	4	2	3	3	3	2	3	4	2	5	5	4	7	2
66 -1- 01	Beijing	M. tuberculosis	7-7	4	4	2	1	3	3	5	4	4	4	7	5	4	8	2
71 -1- 01	Beijing	M. tuberculosis	7-7	4	4	2	1	3	3	5	5	4	4	7	5	3	7	2
91 -1- 01	Beijing	M. tuberculosis	1469-7	4	4	2	1	3	3	6	5	4	4	7	5	3	8	2
101 -1- 01	7-7	7-7	7-7	2	2	2	3	8	5	4	2	3	4	7	4	3	9	3
35 -5- 01	7-7	7-7	7-7	2	2	2	3	8	5	4	2	3	4	7	4	3	9	4
35 -5- 06	7-7	7-7	7-7	2	2	2	3	8	5	4	2	3	4	7	4	3	9	4
97 -1- 01 (MI)	7-7	7-7	7-7	7	2	2	3	7	5	4	2	7	4	7	4	7	9	6
106 -1- 01	7-7	7-7	7-7	3	2	2	3	6	4	4	2	5	2	3	5	3	7	4
3 -1- 02	Dehli/CAS	M. tuberculosis	7-7	4	2	2	3	5	4	4	2	4	2	5	5	3	8	3
5 -1- 01 (MI)	Dehli/CAS	M. tuberculosis	7-7	5	7	2	3	7	4	7	2	4	2	5	7	7	8	7
6 -1- 03 (MI)	Dehli/CAS	M. tuberculosis	7-7	5	2	2	7	7	4	7	2	4	2	5	7	7	8	7
46 -1- 01	7-7	7-7	7-7	4	2	3	3	4	3	1	2	4	2	5	4	3	6	2
7 -1- 01	7-7	7-7	7-7	3	2	3	3	4	3	1	2	4	2	5	4	3	7	2
54 -1- 01	339-7	7-7	7-7	3	2	3	3	4	3	1	2	4	2	5	3	3	6	2
74 -1- 01	7-7	7-7	7-7	3	5	3	3	4	3	1	2	4	2	5	3	4	6	2
83 -1- 01	S	M. tuberculosis	7-7	3	4	3	4	2	5	1	2	4	2	5	3	3	9	2
103 -1- 01	1064-7	7-7	7-7	4	2	2	4	7	4	3	2	4	2	1	4	2	5	4
34 -1- 01	1064-7	7-7	7-7	4	2	2	4	7	4	3	2	4	2	1	4	2	5	4
68 -1- 01	7-7	7-7	7-7	4	2	2	4	7	4	3	2	4	2	1	4	2	6	7
31 -1- 01 (MI)	LAM	M. tuberculosis	7-7	7	2	2	4	5	3	3	2	2						