

Supplementary Table 1: Clinical and reference strains of *Mycobacterium abscessus* group with sub species level identification, *erm*(41) and *rrl* SNPs and clarithromycin MICs.

Isolate	Identification	SybrGreen Tm <i>erm</i> (41) (melt curve)	SybrGreen <i>erm</i> (41)	<i>erm</i> (41) at position 28 SNP	Sequenced <i>erm</i> (41) at position 28th	23S rRNA position 2058 and 2059 SNP	Sequenced 23S rRNA position 2058	Sequenced 23S rRNA position 2059	Clarithromycin susceptibility at 3-5 days	Clarithromycin susceptibility at 14 days
<i>M. abscessus</i> ATCC 19977T	<i>M. abscessus</i>	85.3	Full length	T	T	AA	A	A	1.0 (S)	>16 (R)
<i>M. massiliense</i> CCUG 48898T	<i>M. massiliense</i>	78.3	Truncated	T	T	AA	A	A	0.2 (S)	1.0 (S)
<i>M. bolletii</i> CCUG 50184T	<i>M. bolletii</i>	85.5	Full length	T	T	AA	A	A	1.0 (S)	>16 (R)
CI1-1	<i>M. massiliense</i>	78.7	Truncated	T	T	GA	G	A	>8 (R)	
CI4-1	<i>M. abscessus</i>	86.3	Full length	T	T	AA	A	A	0.25 (S)	>16 (R)
CI4-3	<i>M. abscessus</i>	85.4	Full length	T	T	AA	A	A	0.5 (S)	>16 (R)
CI4-5	<i>M. abscessus</i>	85.5	Full length	T	T	AA	A	A	2.0 (S)	>16 (R)
CI5-7	<i>M. abscessus</i>	85.8	Full length	T	T	GA	G	A	8 (R)	
CI5-8	<i>M. abscessus</i>	85.5	Full length	T	T	AA	A	A	1 (S)	>16 (R)
CI5-9	<i>M. bolletii</i>	85.4	Full length	T	T	AA	A	A	0.5 (S)	>16 (R)
CI5-10	<i>M. massiliense</i>	78.4	Truncated	T	T	AA	A	A	<=0.12 (S)	0.25 (S)
CI6-2	<i>M. abscessus</i>	86.0	Full length	C	C	AA	A	A	0.25 (S)	0.25 (S)
CI6-3	<i>M. abscessus</i>	85.1	Full length	T	T	CA	C	A	>8 (R)	
CI6-4	<i>M. abscessus</i>	85.5	Full length	T	T	AA	A	A	0.5 (S)	>16 (R)
CI6-5	<i>M. abscessus</i>	86.0	Full length	T	T	AA	A	A	0.12 (S)	>16 (R)
CI6-6	<i>M. abscessus</i>	85.9	Full length	C	C	AA	A	A	0.25 (S)	2.0 (S)
CI6-7	<i>M. abscessus</i>	85.6	Full length	T	T	AA	A	A	1 (S)	>16 (R)
CI6-8	<i>M. abscessus</i>	85.7	Full length	T	T	AA	A	A	<=0.12 (S)	>16 (R)
CI6-9	<i>M. abscessus</i>	86.0	Full length	T	T	AA	A	A	2.0 (S)	>16 (R)
CI6-10	<i>M. abscessus</i>	85.9	Full length	T	T	AA	A	A	1.0 (S)	>16 (R)
CI6-11	<i>M. abscessus</i>	85.4	Full length	T	T	AA	A	A	2.0 (S)	>16 (R)
CI6-13	<i>M. abscessus</i>	85.1	Full length	T	T	AA	A	A	1.0 (S)	>16 (R)
CI6-14	<i>M. massiliense</i>	78.0	Truncated	T	T	GA	G	A	>16 (R)	
CI6-15	<i>M. massiliense</i>	78.2	Truncated	T	T	GA	G	A	>8 (R)	
CI7-1	<i>M. massiliense</i>	78.4	Truncated	T	T	AA	A	A	0.25 (S)	0.5 (S)
CI7-2	<i>M. massiliense</i>	78.5	Truncated	T	T	AA	A	A	0.125 (S)	0.25 (S)
CI7-3	<i>M. massiliense</i>	78.6	Truncated	T	T	GA	G	A	>8 (R)	
CI7-4	<i>M. massiliense</i>	78.3	Truncated	T	T	AA	A	A	<=0.12 (S)	0.12 (S)
CI7-5	<i>M. massiliense</i>	78.2	Truncated	T	T	AA	A	A	0.12 (S)	1.0 (S)
CI7-6	<i>M. massiliense</i>	78.3	Truncated	T	T	AA	A	A	<=0.12 (S)	0.5 (S)
CI7-8	<i>M. bolletii</i>	85.0	Full length	T	T	AA	A	A	0.12 (S)	>16 (R)
CI7-9	<i>M. abscessus</i>	85.8	Full length	C	C	AA	A	A	0.25 (S)	1.0 (S)
CI12-1	<i>M. abscessus</i>	86.4	Full length	C	C	AA	A	A	0.25 (S)	1.0 (S)
CI12-2	<i>M. massiliense</i>	78.6	Truncated	T	T	AA	A	A	0.5 (S)	1.0 (S)
CI12-8	<i>M. abscessus</i>	86.2	Full length	T	T	AA	A	A	1 (S)	>16 (R)
CI12-9	<i>M. abscessus</i>	85.9	Full length	T	T	AA	A	A	2.0 (S)	>16 (R)
CI12-10	<i>M. massiliense</i>	78.6	Truncated	T	T	AA	A	A	0.12 (S)	0.12 (S)
CI12-13	<i>M. abscessus</i>	85.5	Full length	T	T	AA	A	A	0.5 (S)	>16 (R)
CI12-14	<i>M. abscessus</i>	86.4	Full length	T	T	AA	A	A	<=0.12 (S)	>16 (R)
CI12-15	<i>M. abscessus</i>	86.3	Full length	T	T	AA	A	A	<0.12 (S)	>16 (R)
CI12-16	<i>M. abscessus</i>	85.8	Full length	T	T	AA	A	A	2.0 (S)	>16 (R)

CI12-17	<i>M. abscessus</i>	86.8	Full length	T	T	AA	A	A	0.5 (S)	>16 (R)
CI12-18	<i>M. abscessus</i>	85.9	Full length	T	T	AA	A	A	1.0 (S)	>16 (R)
CI12-19	<i>M. abscessus</i>	86.6	Full length	T	T	AA	A	A	<=0.25 (S)	>16 (R)
CI12-20	<i>M. abscessus</i>	85.9	Full length	T	T	AA	A	A	0.25 (S)	>16 (R)
CI15-1	<i>M. massiliense</i>	78.5	Truncated	T	T	GA	G	A	>16 (R)	
CI15-4	<i>M. massiliense</i>	78.7	Truncated	T	T	AA	A	A	0.12 (S)	0.25 (S)
CI20-1	<i>M. abscessus</i>	85.5	Full length	T	T	AA	A	A	0.25 (S)	>16 (R)
CI20-2#	<i>M. abscessus</i>	85.3	Full length	T	T	AA	A	A	4 (I)#	16 (R)
CI20-3	<i>M. abscessus</i>	85.7	Full length	T	T	AA	A	A	0.25 (S)	16 (R)
CI20-4	<i>M. abscessus</i>	85.9	Full length	T	T	AA	A	A	0.5 (S)	16 (R)
CI20-5	<i>M. abscessus</i>	86.1	Full length	T	T	AA	A	A	0.25 (S)	>16 (R)
CI20-6#	<i>M. abscessus</i>	86.0	Full length	T	T	AA	A	A	2.0 (S)#	8 (R)
CI20-7	<i>M. abscessus</i>	86.0	Full length	T	T	AA	A	A	0.25 (S)	>16 (R)
CI20-8#	<i>M. abscessus</i>	86.6	Full length	T	T	AA	A	A	1 (S)#	>16 (R)
CI20-9	<i>M. abscessus</i>	85.7	Full length	T	T	AA	A	A	0.12 (S)	>16 (R)
CI20-10#	<i>M. abscessus</i>	85.5	Full length	T	T	AA	A	A	1 (S)#	>16 (R)
CI20-11#	<i>M. abscessus</i>	85.8	Full length	T	T	AA	A	A	2 (S)#	>16 (R)
CI20-12#	<i>M. abscessus</i>	85.8	Full length	T	T	AA	A	A	1 (S)#	>16 (R)
CI20-13	<i>M. abscessus</i>	85.8	Full length	T	T	AA	A	A	2 (S)	>16 (R)
CI20-14	<i>M. abscessus</i>	85.7	Full length	T	T	AA	A	A	0.5 (S)	>16 (R)
CI20-15*	<i>M. abscessus</i>	85.3	Full length	T	T	AA	A	A	4 (I)*	>16 (R)
CI20-16	<i>M. abscessus</i>	85.4	Full length	T	T	GA	G	A	>16 (R)	
CI20-18	<i>M. abscessus</i>	85.4	Full length	T	T	GA	G	A	>16 (R)	
CI20-19	<i>M. abscessus</i>	86.4	Full length	T	T	AA	A	A	1.0 (S)	>16 (R)
CI20-20	<i>M. abscessus</i>	86.9	Full length	T	T	AA	A	A	0.25 (S)	>16 (R)
CI20-21	<i>M. abscessus</i>	85.7	Full length	T	T	AA	A	A	0.25 (S)	>16 (R)
CI20-23	<i>M. abscessus</i>	85.6	Full length	T	T	AA	A	A	2 (S)	>16 (R)
CI20-24#	<i>M. abscessus</i>	85.8	Full length	T	T	AA	A	A	4 (I)#	>16 (R)
CI20-25	<i>M. abscessus</i>	85.6	Full length	T	T	CA	C	A	>16 (R)	
CI20-26	<i>M. massiliense</i>	78.2	Truncated	T	T	GA	G	A	>16 (R)	
CI20-27*	<i>M. bolletii</i>	86.1	Full length	T	T	AA	A	A	8 (R)*	>16 (R)
CI20-28	<i>M. massiliense</i>	78.5	Truncated	T	T	AA	A	A	0.12 (S)	0.12 (S)
CI20-29	<i>M. massiliense</i>	77.8	Truncated	T	T	AA	A	A	0.5 (S)	0.5 (S)
CI20-30	<i>M. abscessus</i>	85.4	Full length	T	T	AA	A	A	0.25 (S)	>16 (R)
CI20-31	<i>M. abscessus</i>	85.7	Full length	T	T	AA	A	A	0.25 (S)	>16 (R)
CI20-32*	<i>M. abscessus</i>	85.6	Full length	T	T	AA	A	A	8 (R)*	>16 (R)
CI20-33*	<i>M. abscessus</i>	85.0	Full length	T	T	AA	A	A	8 (R)*	>16 (R)
CI20-34	<i>M. massiliense</i>	78.4	Truncated	T	T	GA	G	A	16 (R)	
CI20-35	<i>M. abscessus</i>	85.7	Full length	T	T	AA	A	A	1 (S)	16 (R)
CI20-36	<i>M. abscessus</i>	86.0	Full length	T	T	AG	A	G	16 (R)	
CI20-37	<i>M. abscessus</i>	85.6	Full length	T	T	CA	C	A	16 (R)	
CI20-38	<i>M. bolletii</i>	85.4	Full length	T	T	AA	A	A	1 (S)	16 (R)
CI20-39*	<i>M. massiliense</i>	86.3	Full length	T	T	AA	A	A	16 (R)*	
CI20-40	<i>M. massiliense</i>	85.5	Full length	T	T	AA	A	A	0.5 (S)	>16 (R)
CI20-41	<i>M. massiliense</i>	78.4	Truncated	T	T	AA	A	A	0.12 (S)	0.25 (S)
CI20-42	<i>M. massiliense</i>	78.8	Truncated	T	T	GA	G	A	>16 (R)	
CI20-43	<i>M. abscessus</i>	86.5	Full length	C	C	AA	A	A	1.0 (S)	1.0 (S)
CI20-44*	<i>M. abscessus</i>	86.2	Full length	T	T	AA	A	A	>16 (R)*	
CI81-82	<i>M. massiliense</i>	86.6	Full length	T	T	AA	A	A	2.0 (S)	16 (R)

S = Sensitive, I = Intermediate, R = Resistant, * = early inducible resistance, # = slow growing isolates