

Table S1 Genome sequences of *Mycobacterium marinum* complex strains used for this study

Strain	Species	Accession ID
JCM 12657	<i>M. shottsii</i>	AP022572.1
M175	<i>M. shottsii</i>	CP014860.2
E11	<i>M. marinum</i>	HG917972.2
1218R	<i>M. marinum</i>	CP025779.1
CCUG2098	<i>M. marinum</i>	CP024190.1
ATCC 927	<i>M. marinum</i>	AP018496.1
M	<i>M. marinum</i>	CP000854.1
MMA1	<i>M. marinum</i>	CP058277.1
YM-3	<i>M. pseudoshottsii</i>	AP028092.1
NJB1907-Z4	<i>M. pseudoshottsii</i>	AP026367.1
JCM 15466	<i>M. pseudoshottsii</i>	AP018410.1
ASM001	<i>M. liflandi</i>	CP023138.1
128FXT	<i>M. liflandi</i>	CP003899.1
BS123	<i>M. ulcerans</i>	CP083741.1
ATCC 33728	<i>M. ulcerans</i>	AP017624.1
Agy99	<i>M. ulcerans</i>	CP000325.1
SGL03	<i>M. ulcerans</i>	LR135168.1
JKD8049	<i>M. ulcerans</i>	CP085200.1
ATCC 19423	<i>M. ulcerans</i>	CP092429.1

Table S2 Single nucleotide variations (SLVs) identified in 13 strains of *Mycobacterium pseudoshottsii* to the genome sequence of YM-3 (AP028092.1)

Position No.	Reference	Variation	Strains													Locus tag	Gene	Amino acid change			
			NJB1907-Z4	MPSJQ12-A1	MPSJQ12-A2	MPSJQ12-A3	MPSJQ13-A4	MPSJQ13-A5	MPSJQ13-A6	MPSJQ13-A7	MPSJQ12-B1	MPSJQ12-C1	MPSJQ12-D1	MPSJQ12-E1	MPSJQ12-F1						
33379	C	T													x	x	x	x	YM3MPS_00300	-	synonymous
36475	T	C													x	x	x	x	YM3MPS_00320	-	synonymous
47628	T	C													x	x	x	x	YM3MPS_00480	-	synonymous
59339	T	C														x			YM3MPS_00580	-	Gln12Arg
100058	T	C													x		x	x	intergenic	-	-
109109	C	T															x		YM3MPS_00960	-	synonymous
156395	C	A	x																YM3MPS_01460	-	Gly342Val
195192	G	T	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	YM3MPS_01820	-	Gly351Cys
197346	C	T															x	x	YM3MPS_01830	-	synonymous
197440	G	C													x	x	x	x	YM3MPS_01830	-	Gly459Arg
212024	T	C							x										YM3MPS_01960	-	Thr84Ala
227035	G	A													x		x	x	YM3MPS_02100	-	Glu865Lys
275046	C	T			x	x				x									YM3MPS_02510	<i>katA</i>	Arg90Cys
290864	A	C						x			x								YM3MPS_02650	-	Thr74Pro
294743	C	T													x		x	x	YM3MPS_02680	-	Gly112Asp
310254	T	C													x	x	x	x	YM3MPS_02810	-	synonymous
319094	T	C													x		x	x	YM3MPS_02920	<i>cyp 137</i>	synonymous
330895	A	G													x	x	x	x	YM3MPS_03050	<i>nth</i>	Arg7Gly
411227	A	G														x			YM3MPS_03840	-	Asn323Ser
438078	C	T													x		x	x	YM3MPS_04090	-	synonymous
472044	G	A								x									YM3MPS_04450	-	synonymous
507947	A	G													x	x	x	x	YM3MPS_04690	<i>fadE2</i>	synonymous
513401	A	G				x													YM3MPS_04740	<i>pntB</i>	Lys472Glu
524619	A	G													x	x	x	x	YM3MPS_04860	-	synonymous
535778	C	G													x	x	x	x	YM3MPS_04990	-	synonymous
571116	G	A													x		x	x	YM3MPS_05320	-	Pro977Leu
571647	G	A													x	x	x	x	YM3MPS_05320	-	Ala800Val
576090	C	A													x	x	x	x	intergenic	-	-
578981	T	G													x	x	x	x	intergenic	-	-
580103	G	A													x		x	x	YM3MPS_05380	-	Gly141Arg
629918	C	T															x		YM3MPS_05780	-	synonymous
635352	T	C													x	x	x	x	YM3MPS_05820	-	Asp406Gly
675339	C	T															x		YM3MPS_06170	-	Leu32Phe
686266	T	C															x		YM3MPS_06290	-	Asp132Gly
706228	G	A		x				x	x		x								YM3MPS_06480	-	synonymous
707297	A	G																	intergenic	-	-
711060	C	T													x		x	x	YM3MPS_06520	-	synonymous
725912	G	A																x	YM3MPS_06630	-	Arg175Trp
727213	C	T													x	x	x	x	YM3MPS_06640	<i>tam</i>	Ala208Val
743426	G	A																	YM3MPS_06820	-	Val159Met
756730	A	G													x	x	x	x	YM3MPS_06930	-	Asp34Gly
763068	C	T																	YM3MPS_06990	-	Arg380Cys
786258	C	T	x																YM3MPS_07160	-	His71Tyr
798103	C	T																	YM3MPS_07260	-	synonymous
859471	G	A													x		x	x	intergenic	-	-
863320	T	C													x	x	x	x	YM3MPS_07760	-	synonymous
889017	G	C													x	x	x	x	YM3MPS_08010	-	Asp6Glu
896594	G	C																	YM3MPS_08090	-	Asp357Glu
896697	G	C													x	x	x	x	YM3MPS_08090	-	Thr323Ser
897837	C	T													x		x	x	intergenic	-	-
914323	C	T													x		x	x	YM3MPS_08210	<i>thiE</i>	synonymous
919734	G	A																x	YM3MPS_08290	<i>lpqL</i>	Gly79Arg
950320	A	G		x				x											YM3MPS_08550	<i>sodC</i>	synonymous
980962	C	T													x		x	x	intergenic	-	-
997240	C	T													x		x	x	YM3MPS_08960	<i>lpdC</i>	synonymous
1010193	C	G																	intergenic	-	-
1020211	T	C													x	x	x	x	YM3MPS_09170	-	synonymous
1028408	A	G																x	YM3MPS_09250	<i>senX3</i>	Asp146Gly
1036928	G	T																	YM3MPS_09330	-	synonymous
1050529	A	G																	YM3MPS_09470	-	Met69Thr
1083697	C	T													x	x	x	x	YM3MPS_09750	-	synonymous

1121542	T	C			x	x	x	x	x	YM3MPS_10140		synonymous
1162282	C	T			x	x	x	x	x	intergenic	-	-
1182359	A	G			x					YM3MPS_10700		Asp563Gly
1193165	T	C			x	x	x	x	x	YM3MPS_10750	<i>recB</i>	Ile164Val
1244998	G	A				x				YM3MPS_11180		synonymous
1328326	T	C			x		x	x	x	YM3MPS_12130	<i>infA</i>	synonymous
1336883	A	G			x		x	x	x	YM3MPS_12230	<i>PPE25_1</i>	Val444Ala
1337520	T	C				x				YM3MPS_12240		synonymous
1340283	T	C			x	x	x	x	x	YM3MPS_12260		Asp74Gly
1345587	T	C			x	x	x	x	x	YM3MPS_12300		synonymous
1394842	T	C			x		x	x	x	YM3MPS_12750		Ser215Gly
1397923	C	T			x		x	x	x	YM3MPS_12790		Gly370Ser
1422345	T	C			x	x	x	x	x	YM3MPS_12980		Leu813Ser
1498536	C	T	x							intergenic	-	-
1504612	C	T				x				YM3MPS_13690	<i>punA</i>	synonymous
1568110	C	T			x		x	x	x	YM3MPS_14180		synonymous
1572669	A	G			x	x	x	x	x	YM3MPS_14220		synonymous
1578049	A	C			x		x	x	x	YM3MPS_14270		Val212Gly
1612759	C	T			x		x	x	x	intergenic	-	-
1628375	C	T		x						YM3MPS_14720		synonymous
1634595	T	C	x							YM3MPS_14780		synonymous
1665493	C	T			x	x	x	x	x	YM3MPS_15110		synonymous
1667980	T	C			x	x	x	x	x	YM3MPS_15130	<i>moeZ</i>	Val145Ala
1690260	C	T			x		x	x	x	YM3MPS_15310		synonymous
1722377	G	A			x	x	x	x	x	intergenic	-	-
1732536	A	G							x	YM3MPS_15690	<i>nuoN</i>	Leu156Pro
1784253	C	T			x	x	x	x	x	YM3MPS_16190	<i>mrp</i>	Gly362Ser
1784863	A	G			x		x	x	x	YM3MPS_16190	<i>mrp</i>	synonymous
1789008	G	A				x				YM3MPS_16250		Ala359Val
1829408	C	A			x		x	x	x	YM3MPS_16560		synonymous
1831288	T	C				x				YM3MPS_16590		Asp131Gly
1837562	A	T				x				YM3MPS_16660		Thr112Ser
1865243	A	G			x	x	x	x	x	YM3MPS_16940		Arg424Gly
1873843	G	A			x	x	x	x	x	YM3MPS_17010		Gly355Asp
1881471	T	C			x	x	x	x	x	YM3MPS_17050		His160Arg
1946975	A	T				x				YM3MPS_17660		synonymous
1990883	G	A				x				YM3MPS_18040	<i>mpt53</i>	Ala83Thr
2020044	A	G			x	x	x	x	x	YM3MPS_18260		Phe174Leu
2065961	G	A				x				YM3MPS_18630		synonymous
2127867	G	A			x					YM3MPS_19250		Ala241Thr
2152966	T	C				x				YM3MPS_19490		Val263Ala
2164062	G	A				x				YM3MPS_19600		Gly292Ser
2255189	C	T							x	YM3MPS_20550		synonymous
2282821	A	C			x		x	x	x	YM3MPS_20830	<i>tesB2</i>	Lys281Thr
2290008	C	T				x				YM3MPS_20890		Gly106Ser
2312278	C	T			x		x	x	x	YM3MPS_21090	<i>fadD9_1</i>	Asp720Asn
2401515	G	A			x					YM3MPS_21890		Pro128Leu
2448234	G	C			x	x	x	x	x	intergenic	-	-
2519471	A	G	x			x				YM3MPS_22920		Trp239Arg
2532000	T	C						x	x	YM3MPS_23030		Val262Ala
2545569	A	G			x		x	x	x	intergenic	-	-
2583118	A	G				x				YM3MPS_23460		Cys8Arg
2595427	T	C			x	x	x	x	x	YM3MPS_23570	<i>dnaE1</i>	synonymous
2605482	C	T			x		x	x	x	YM3MPS_23670	<i>treY</i>	synonymous
2613008	T	C			x	x	x	x	x	intergenic	-	-
2628929	C	G	x							YM3MPS_23870	<i>hisB</i>	Pro130Arg
2637505	C	G				x				YM3MPS_23960	<i>cphA</i>	Gly508Ala
2717961	C	T			x	x	x	x	x	YM3MPS_24600	<i>argB</i>	synonymous
2737637	A	G					x			YM3MPS_24710	<i>pkS9</i>	Asp56Gly
2847302	C	G			x	x	x	x	x	YM3MPS_25730		Arg382Pro
2875098	T	G					x	x	x	intergenic	-	-
2889066	G	A			x					YM3MPS_26050		synonymous
2889888	T	G				x				YM3MPS_26060		Met107Leu
2932797	C	T			x		x	x	x	YM3MPS_26470		synonymous
2953918	T	G			x					intergenic	-	-
2969759	G	A			x	x	x	x	x	YM3MPS_26810	<i>ppe32_1</i>	Gly20Glu
2994149	G	A				x				YM3MPS_27020	<i>garA</i>	Ala132Thr
3027015	C	G			x	x	x	x	x	YM3MPS_27310		synonymous
3033133	G	A			x	x	x	x	x	intergenic	-	-

3035924	A	G							x			YM3MPS_27400	<i>xfp</i>	Leu206Pro
3044757	C	A							x	x	x	YM3MPS_27480		Gly76Val
3090332	A	G							x			YM3MPS_27960		Cys433Arg
3108291	G	A							x	x	x	YM3MPS_28180		Met166Ile
3126087	T	G							x			YM3MPS_28340	<i>lipD</i>	Leu322Arg
3144607	G	A							x			YM3MPS_28490		Gly418Asp
3196611	A	G							x	x	x	intergenic	-	-
3203461	T	C							x	x	x	YM3MPS_29100		synonymous
3241975	G	T							x			YM3MPS_29520		Ala111Ser
3281116	G	A							x	x	x	YM3MPS_29820	<i>nadR</i>	Gly112Glu
3305427	G	A							x	x	x	YM3MPS_30040		Ala254Thr
3312777	T	C							x			YM3MPS_30130	<i>fdxA</i>	Thr32Ala
3313682	G	C							x	x	x	YM3MPS_30140		Gln55Glu
3315104	G	A							x			YM3MPS_30170		Arg292Cys
3331349	T	C	x									YM3MPS_30340		Asp105Gly
3342760	G	T							x			YM3MPS_30440		Leu117Met
3449256	G	A							x	x	x	intergenic	-	-
3484005	G	A							x	x	x	YM3MPS_31590		Pro116Ser
3485087	T	C							x			intergenic	-	-
3489539	C	A							x			YM3MPS_31670		Gly9Cys
3587295	G	A							x	x	x	intergenic	-	-
3613659	G	A							x			YM3MPS_32810	<i>ctaD_1</i>	Thr308Ile
3704682	C	A							x	x	x	YM3MPS_33680	<i>fadD11_2</i>	synonymous
3710574	C	T							x	x	x	YM3MPS_33730		Ala349Val
3728773	C	G							x			YM3MPS_33880		synonymous
3734473	C	T	x									YM3MPS_33910	<i>nifJ-1</i>	Thr895Ile
3753353	G	A							x			YM3MPS_34100	<i>fprA_1</i>	Gly267Arg
3755835	C	T							x	x	x	YM3MPS_34130		Arg237His
3756593	T	G							x			intergenic	-	-
3764521	A	G							x	x	x	YM3MPS_34200		synonymous
3766164	G	A							x	x	x	YM3MPS_34220		Asp187Asn
3775957	C	A							x			intergenic	-	-
3811498	T	C	x									YM3MPS_34690	<i>pfkB</i>	Thr271Ala
3881526	A	G							x	x	x	YM3MPS_35370		Val2Ala
3890982	C	G							x	x	x	YM3MPS_35430	<i>glnN</i>	synonymous
3939036	G	A							x			YM3MPS_35850		Pro178Leu
3946487	G	T							x	x	x	YM3MPS_35920		synonymous
4004567	G	A							x			YM3MPS_36360	<i>plcA</i>	synonymous
4041508	A	G							x	x	x	YM3MPS_36640		Tyr248Cys
4044502	G	A							x			YM3MPS_36660		Val556Ile
4099860	G	C							x	x	x	YM3MPS_37150		synonymous
4124982	T	G							x			YM3MPS_37350		Val532Gly
4133517	G	A	x						x	x	x	YM3MPS_37420		Gly162Asp
4135721	G	A							x			YM3MPS_37430		Ala132Val
4201726	A	G							x	x	x	YM3MPS_37920	<i>plsC</i>	Val193Ala
4214493	A	G							x	x	x	YM3MPS_38030	<i>pdhB</i>	Cys220Arg
4233288	G	A							x			YM3MPS_38240	<i>om</i>	synonymous
4235570	A	G							x	x	x	intergenic	-	-
4241692	G	A							x			YM3MPS_38320		Gly244Asp
4242834	C	T							x	x	x	YM3MPS_38330		Thr253Ile
4248683	G	A							x			YM3MPS_38410		Val167Ile
4279468	T	G							x	x	x	intergenic	-	-
4286841	T	C							x	x	x	intergenic	-	-
4290874	G	A							x	x	x	intergenic	-	-
4291518	C	G							x	x	x	YM3MPS_38760		Gly101Arg
4323162	C	T							x			YM3MPS_39080		synonymous
4346229	T	C							x			YM3MPS_39290		Cys115Arg
4358238	A	G							x	x	x	YM3MPS_39400	<i>irtA</i>	Ser436Pro
4366236	A	C							x	x	x	YM3MPS_39480		Glu63Ala
4439552	G	A							x			YM3MPS_40010	<i>ppsD</i>	synonymous
4474175	A	G							x	x	x	YM3MPS_40170	<i>fadD29</i>	synonymous
4584736	A	G							x			YM3MPS_41180	<i>hycE</i>	synonymous
4590772	A	G							x	x	x	YM3MPS_41230		synonymous
4605249	C	T							x	x	x	intergenic	-	-
4624184	C	G							x	x	x	YM3MPS_41550		Ala14Pro
4629482	A	G							x	x	x	intergenic	-	-
4635428	T	C									x	YM3MPS_41650		synonymous
4649337	C	A							x			YM3MPS_41800		Tyr143*
4659582	T	C							x			YM3MPS_41900		Ile51Thr

