

Table 2. Characteristics of deleted sequences found in *Mycobacterium tuberculosis*.

Region of difference (RD)	Synonym (ref.) [†]	Start	Stop	Size (bp)	Frequency	Genes deleted	Isolates
105	New	79567	83034	3,467	23	Rv0071, Rv0072, Rv0073, Rv0074	8, 11, 19, 26, 27, 28, 34, 41, 47, 55, 58, 67, 69, 80, 84, 85, 87, 89, 91, 93, 94, 95, 97
108	New	96640	99257	2,617	1	hvcE, Rv0088, Rv0089, Rv0090	26
109c	DS1 (12)	170066	173786	3,780	1	Rv0143c, Rv0144, Rv0145, Rv0146, Rv0147	14
110	New	229868	231699	1,831	1	Rv0194, Rv0195, Rv0196	45
110a	New	254000	257596	3,596	1	fadD4, nadR, Rv0213c	94
110b	New	289421	289884	464	1	Rv0240, Rv0241c	5
110c	New	289975	290079	105	1	Rv0241c	5
115	DS2 (12)	453364	455971	2,607	5	Rv0376c, Rv0377, Rv0378	4, 14, 23, 57, 86
116	New	466045	468298	2,253	2	PPE9, Rv0386, Rv0387c	76, 83
117	New	483941	490773	6,832	1	fadD30, pks6, Rv0406c	92
120	New	608539	610958	2,419	1	Rv0517, Rv0518	68
121	New	663094	665815	2,721	1	nrz, Rv0571c, Rv0572c	92
122	New	669793	670964	1,171	3	Rv0576	61, 62, 99
127	New	746518	747805	1,287	1	fabD2, Rv0650	67
129	New	769380	770002	622	1	end, Rv0669c	47
130	New	840968	841927	959	3	Rv0748, Rv0749, Rv0749A	7, 56, 70
131ab	New	888345	888786	441	2	Rv0794c	46, 79
131c	New	889015	890374	1,359	1	Rv0795, Rv0796	83
132	New	944124	949487	5,363	1	cvsK2, fadD16, lpaS, ndc, Rv0846c, Rv0849, Rv0850, Rv0851c	66
134	New	1074123	1075946	1,823	1	lprP, Rv0961, Rv0963c	18
141a	New	1243194	1243872	678	1	Rv1120c, zwf1	62
142	New	1332182	1335033	2,851	3	Rv1190, Rv1191, Rv1192, sigI	28, 58, 84
145	New	1519817	1524570	4,753	5	moeY, Rv1353c, Rv1354c, Rv1356c	18, 22, 35, 40, 81
145a	New	1526655	1529302	2,647	1	Rv1358	23
147b	New	1691098	1694977	3,879	1	Rv1500, Rv1501, Rv1502, Rv1503c, Rv1504c	71
147c	DS4 (12)	1718908	1721211	2,303	16	Rv1524, Rv1526c, wbbL2	12, 25, 29, 31, 36, 39, 42, 46, 48, 75, 76, 77, 79, 83, 90, 92
149	DS5 (12) RD3 (17)	1779264	1788512	9,248	54	Rv1572c, Rv1573, Rv1574, Rv1575, Rv1575A, Rv1576c, Rv1577c, Rv1578c, Rv1579c, Rv1580c, Rv1581c, Rv1582c, Rv1583c, Rv1584c, Rv1585c, Rv1586c	2, 4, 7, 8, 9, 10, 11, 14, 15, 19, 20, 23, 26, 27, 28, 30, 33, 34, 38, 41, 43, 47, 53, 55, 56, 57, 58, 59, 60, 65, 66, 67, 68, 69, 70, 71, 72, 74, 76, 80, 83, 84, 85, 86, 87, 88, 89, 91, 93, 94, 95, 96, 97, 98
150	New	1896862	1899349	2,487	6	Rv1671, Rv1672c, Rv1673c, Rv1674c	47, 55, 67, 69, 95, 97
152	DS6 (12) DS6L (12) RD14 (17)	1986636	1998621	11,985	20	cut1, plcD, Rv1754c, Rv1756c, Rv1757c, Rv1760, Rv1761c, Rv1762c, Rv1763, Rv1764, Rv1765c, wag22	8, 11, 26, 28, 34, 41, 47, 55, 58, 67, 69, 80, 84, 85, 87, 91, 93, 94, 95, 97
163	New	2127981	2128972	991	1	glnA3	45
164	New	2139721	2140029	308	1	Rv1891	63
165*	New	2153059	2153384	325	1	Rv1907c	80
166*	New	2153074	2161125	8,051	1	aceAa, fadB5, furA, katG, lppC, Rv1907c, Rv1910c, Rv1913, Rv1914c	41
167	New	2179562	2180648	1,086	1	Rv1927, Rv1928c	6
168	New	2198472	2200488	2,016	1	Rv1948c, Rv1949c, Rv1950c, Rv1951c	52
171	DS7 (12)	2225938	2228587	2,649	1	cbp21, PE, PGRS35	70
172*	New	2235688	2238062	2,374	1	ctpG, Rv1993c, Rv1994c	46
172a*	New	2235720	2237376	1,656	1	ctpG, Rv1993c	5
174*	New	2237049	2240699	3,650	10	ctpF, ctpG, Rv1993c, Rv1994c, Rv1995, Rv1996	2, 9, 10, 15, 33, 43, 65, 68, 72, 74
174a	New	2245203	2248532	3,329	1	fabG3, Rv2000, Rv2001	78
175a	New	2263448	2263637	189	1	Rv2016	10
178	New	2361907	2363681	1,774	5	helZ, Rv2102	18, 22, 35, 40, 81
181	New	2535429	2536140	711	22	Rv2262c, Rv2263	8, 11, 19, 26, 27, 28, 34, 41, 47, 55, 58, 67, 69, 80, 84, 85, 87, 91, 93, 94, 95, 97
182*	New	2545194	2551674	6,480	5	cyp121, lppN, Rv2271, Rv2272, Rv2273, Rv2274c, Rv2275, Rv2277c, Rv2278, Rv2279, Rv2280	18, 22, 35, 40, 81
182a*	New	2546463	2548424	1,961	1	cyp121, Rv2274c, Rv2275	87
183	DS8 (12)	2585853	2588770	2,917	4	Rv2313c, Rv2314c, Rv2315c	7, 30, 56, 70
188	DS9 (12) RD5 (17)	2631495	2636952	5,457	1	plcA, PPE38, PPE39, Rv2354, Rv2355	64
193	DS33 (12)	2704306	2704807	501	2	Rv2406c, Rv2407	51, 96
196*	New	2866467	2867123	656	1	lppA	1
196b*	New	2867119	2867776	657	1	lppA, lppB	8
198a	DS10 (12) RD11 (17)	2969986	2980968	10,982	4	Rv2645, Rv2646, Rv2647, Rv2648, Rv2649, Rv2650c, Rv2651c, Rv2652c, Rv2653c, Rv2654c, Rv2655c, Rv2656c, Rv2657c, Rv2658c, Rv2659c, Rv2660c, valI	54, 76, 83, 90
202	New	3106808	3107653	845	1	Rv2797c, Rv2798c	48
203	New	3111817	3115331	3,514	1	Rv2802c, Rv2803, Rv2804c, Rv2805, Rv2806, Rv2807, Rv2808	66
206	New	3119367	3119757	390	1	6 repeats and spacers of the DR region	15
207*	New	3120521	3127920	7,399	22	Rv2814c, Rv2815c, Rv2816c, Rv2817c, Rv2818c, Rv2819c, Rv2820c	8, 11, 19, 26, 27, 28, 34, 41, 47, 55, 58, 67, 69, 80, 84, 85, 87, 89, 91, 93, 94, 95
210*	New	3120428	3123023	2,595	1	Rv2814c, Rv2815c	60
213a	New	3288356	3290565	2,209	1	Rv2943, Rv2943A, Rv2944	13
219	New	3448504	3451396	2,892	8	lprR, Rv3083, Rv3085	1, 16, 21, 32, 44, 52, 78, 100
223	New	3551227	3555381	4,154	1	Rv3184, Rv3185, Rv3186, Rv3187, Rv3188, Rv3189	48
231	New	3868776	3869667	891	2	Rv3448	38, 60
236*	RD8 (17)	4056659	4058978	2,319	10	ephA, Rv3618	12, 17, 29, 39, 42, 46, 48, 75, 77, 79
236a*	RD8 (17)	4056942	4058393	1,451	2	ephA	76, 83
239	New	4092077	4092919	842	17	Rv3651	12, 17, 25, 29, 31, 36, 39, 42, 46, 48, 75, 76, 77, 79, 83, 90, 92
246	New	4209435	4211499	2,064	1	lppHRv3764c, Rv3765c	36
247*	New	4212648	4215043	2,395	1	Rv3766, Rv3767c, Rv3768, Rv3769	59
247b*	New	4212911	4215050	2,139	2	Rv3766, Rv3767c, Rv3768, Rv3769	16, 44
252*	New	4370419	4373230	2,811	4	Rv3887c, Rv3888c, Rv3889c	7, 30, 56, 70
252b*	New	4371815	4373774	1,959	1	Rv3888c, Rv3889c, Rv3890c	13

*Overlapping deletions that occur at the same genomic locus.

[†]New deletions that were identified in this study. Deletions identified previously are shown with reference.