

TB3qc_tbprofiler.results

TBProfiler report

Summary

ID TB3_tbprofiler
 Date Mon May 3 15:43:30 2021
 Strain lineage2.2.1
 Drug-resistance XDR

Lineage report

Lineage	Estimated Fraction	Family	Spoligotype	Rd
lineage2	0.983	East-Asian	Beijing	RD105
lineage2.2		1 East-Asian (Beijing)	Beijing-RD207	RD105;RD207
lineage2.2.1		1 East-Asian (Beijing)	Beijing-RD181	RD105;RD207;RD181

Resistance report

Drug	Genotypic Resistance	Mutations
Rifampicin	R	rpoB p.Ser450Leu (1.00)
Isoniazid	R	katG c.1561 1561del (0.12)
Ethambutol	R	embB p.Gln497Arg (1.00)
Pyrazinamide	R	pncA p.Asp12Gly (1.00)
Streptomycin	R	rpsL p.Lys43Arg (0.91), rrs r.799c>t (0.16)
Fluoroquinolones	R	gyrA p.Ala90Val (1.00), gyrA p.Ser91Pro (1.00)
Amikacin	R	rrs r.1402c>a (0.39), rrs r.1484g>t (0.14)
Capreomycin	R	rrs r.1402c>a (0.39), rrs r.1484g>t (0.14)
Kanamycin	R	rrs r.1402c>a (0.39), rrs r.1484g>t (0.14)
Cycloserine		
Ethionamide		
Clofazimine		
Para-aminosalicylic acid		

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Delamanid
Bedaquiline
Linezolid

Resistance variants report

Genome Position	Locus Tag	Gene	Change	Estimated Fraction
	7570 Rv0006	gyrA	p.Ala90Val	1
	7572 Rv0006	gyrA	p.Ser91Pro	1
	761155 Rv0667	rpoB	p.Ser450Leu	1
	781687 Rv0682	rpsL	p.Lys43Arg	0.909
	1472644 rrs	rrs	r.799c>t	0.16
	1473247 rrs	rrs	r.1402c>a	0.389
	1473329 rrs	rrs	r.1484g>t	0.143
	2154550 Rv1908c	katG	c.1561 1561del	0.115
	2289207 Rv2043c	pncA	p.Asp12Gly	1
	4248003 Rv3795	embB	p.Gln497Arg	1

Other variants report

Genome Position	Locus Tag	Change	Estimated Fraction
	5726 Rv0005	p.Pro163Thr	0.118
	5819 Rv0005	p.Leu194Met	0.091
	5968 Rv0005	c.729G>A	0.167
	6051 Rv0005	p.Ile271Thr	0.118
	6377 Rv0005	p.Val380Ile	0.143
	6534 Rv0005	p.Ala432Asp	0.143
	7362 Rv0006	p.Glu21Gln	1
	7484 Rv0006	c.183T>C	0.143
	7585 Rv0006	p.Ser95Thr	1
	7604 Rv0006	c.303 304insC	0.111
	7641 Rv0006	p.Gly114Cys	0.1
	8777 Rv0006	p.Asp492Glu	0.154

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9117 Rv0006	p.Glu606Tyr	0.1
9641 Rv0006	c.2340C>T	0.087
490748 Rv0407	c.-35G>T	0.091
490753 Rv0407	c.-30G>T	0.136
490949 Rv0407	p.Ser56Tyr	0.154
491011 Rv0407	p.Pro77Thr	0.105
491256 Rv0407	p.Lys158Asn	0.2
491664 Rv0407	c.882C>A	0.125
491717 Rv0407	p.Ala312Glu	0.118
491742 Rv0407	c.960T>C	1
575659 Rv0486	c.175 176insC	0.167
575907 Rv0486	p.Ala187Val	1
576315 Rv0486	p.Ala323Val	0.167
576784 Rv0486	c.1300C>A	0.167
759457 Rv0667	c.-350C>A	0.111
760491 Rv0667	p.Thr229Ala	0.2
760760 Rv0667	c.954C>T	0.182
761012 Rv0667	p.Asp402Glu	0.154
761166 Rv0667	p.Pro454Ala	0.154
761234 Rv0667	c.1428G>C	0.182
761255 Rv0667	c.1449T>G	0.2
761258 Rv0667	c.1452G>A	0.167
761261 Rv0667	c.1455G>C	0.154
761264 Rv0667	c.1458C>G	0.154
761273 Rv0667	c.1467T>C	0.182
761282 Rv0667	c.1476C>G	0.2
761777 Rv0667	p.Asp657Glu	0.143
762081 Rv0667	p.Gly759Cys	0.087
762362 Rv0667	p.Glu852Asp	0.125
762815 Rv0667	p.Met1003Ile	0.2
762842 Rv0667	c.3036G>T	0.182
762951 Rv0667	p.Gln1049Lys	0.167
763031 Rv0667	c.3225T>C	1
763037 Rv0667	p.Tyr1077*	0.111
763083 Rv0667	p.Arg1093Ser	0.182

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763570 Rv0668	c.201G>C	0.091
763772 Rv0668	p.Val135Leu	0.133
763934 Rv0668	p.Ala189Ser	0.105
764229 Rv0668	p.Gln287Arg	0.2
764371 Rv0668	c.1002G>C	0.182
764575 Rv0668	c.1206T>G	0.2
764605 Rv0668	c.1236G>C	0.167
764611 Rv0668	c.1242G>T	0.235
764632 Rv0668	c.1263T>C	0.19
764635 Rv0668	c.1266C>G	0.136
764650 Rv0668	c.1281G>C	0.235
764665 Rv0668	c.1296C>G	0.267
764668 Rv0668	c.1299C>T	0.267
764671 Rv0668	c.1302G>C	0.286
764672 Rv0668	p.Gln435Lys	0.133
764677 Rv0668	c.1308C>G	0.133
764695 Rv0668	c.1326T>C	0.333
764701 Rv0668	c.1332C>G	0.231
764706 Rv0668	p.Leu446Gln	0.417
764746 Rv0668	c.1377G>T	0.2
764749 Rv0668	c.1380G>C	0.188
764758 Rv0668	c.1389C>G	0.118
764764 Rv0668	c.1395T>C	0.125
764828 Rv0668	p.Leu487Ile	0.1
764854 Rv0668	c.1485G>T	0.105
764916 Rv0668	p.Leu516Pro	0.947
765722 Rv0668	p.Val785Ile	0.167
765891 Rv0668	p.Arg841Leu	0.133
766310 Rv0668	p.Arg981Ser	0.2
767150 Rv0668	p.Gly1261Ser	0.091
767212 Rv0668	c.3843G>T	0.105
779223 Rv0678	c.234G>T	0.105
779230 Rv0678	p.Glu81*	0.091
781395 Rv0682	c.-165T>C	1
801041 Rv0701	p.Arg78Leu	0.133

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801103 Rv0701	p.Gln99Lys	0.167
801141 Rv0701	p.Tyr111*	0.154
1302694 Rv1173	c.-237C>A	0.105
1302776 Rv1173	c.-155C>A	0.125
1304097 Rv1173	c.1167G>A	0.167
1416573 Rv1267c	p.Pro259Thr	0.143
1416853 Rv1267c	c.495C>T	0.111
1461167 Rv1305	c.123G>T	0.143
1472108 rrs	r.263c>t	0.208
1472112 rrs	r.267c>t	0.091
1472113 rrs	r.268t>c	0.087
1472122 rrs	r.277g>a	0.1
1472137 rrs	r.292g>a	0.118
1472148 rrs	r.303t>c	0.182
1472150 rrs	r.305t>a	0.619
1472151 rrs	r.306c>t	0.095
1472172 rrs	r.327t>c	0.545
1472214 rrs	r.369c>g	0.259
1472235 rrs	r.390g>c	0.24
1472240 rrs	r.395g>c	0.111
1472251 rrs	r.406g>a	0.286
1472286 rrs	r.441c>g	0.125
1472289 rrs	r.444t>g	0.167
1472290 rrs	r.445c>g	0.167
1472297 rrs	r.452gggtccgggttctct>g	0.2
1472324 rrs	r.479g>c	0.188
1472325 rrs	r.480g>c	0.118
1472327 rrs	r.482g>a	0.118
1472328 rrs	r.483g>c	0.118
1472330 rrs	r.485g>t	0.105
1472344 rrs	r.499c>t	0.333
1472382 rrs	r.537g>a	0.12
1472389 rrs	r.544g>a	0.154
1472400 rrs	r.555c>t	0.174
1472422 rrs	r.577t>c	0.1

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1472430 rrs	r.585c>t	0.1
1472489 rrs	r.644a>t	0.107
1472496 rrs	r.651t>g	0.087
1472655 rrs	r.810g>t	0.125
1472660 rrs	r.815t>c	0.125
1472673 rrs	r.828t>g	0.167
1472674 rrs	r.829t>a	0.133
1472675 rrs	r.830t>c	0.133
1472677 rrs	r.832c>a	0.188
1472682 rrs	r.837t>a	0.143
1472683 rrs	r.838t>c	0.154
1472686 rrs	r.841g>t	0.154
1472687 rrs	r.842a>t	0.154
1472692 rrs	r.847t>c	0.214
1472697 rrs	r.852t>c	0.125
1472707 rrs	r.862a>t	0.158
1472714 rrs	r.869a>g	0.158
1472715 rrs	r.870c>g	0.105
1472716 rrs	r.871c>a	0.105
1472734 rrs	r.889c>t	0.263
1472740 rrs	r.895g>t	0.1
1472741 rrs	r.896g>a	0.35
1472742 rrs	r.897c>t	0.3
1472754 rrs	r.909g>t	0.304
1472767 rrs	r.922g>c	0.133
1472781 rrs	r.936c>t	0.31
1472790 rrs	r.945t>c	0.095
1472793 rrs	r.948a>t	0.341
1472803 rrs	r.958t>c	0.189
1472828 rrs	r.983t>c	0.143
1472836 rrs	r.991g>a	0.095
1472952 rrs	r.1107t>c	0.115
1472973 rrs	r.1128a>t	0.286
1472974 rrs	r.1129a>g	0.088
1472987 rrs	r.1142g>a	0.304

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1472990 rrs	r.1145a>g	0.28
1472996 rrs	r.1151t>c	0.219
1473026 rrs	r.1181t>c	0.103
1473035 rrs	r.1190g>a	0.179
1473055 rrs	r.1210c>t	0.172
1473056 rrs	r.1211a>t	0.12
1473062 rrs	r.1217t>g	0.091
1473065 rrs	r.1220c>a	0.087
1473066 rrs	r.1221a>g	0.304
1473081 rrs	r.1236c>t	0.133
1473088 rrs	r.1243a>g	0.111
1473099 rrs	r.1254t>g	0.087
1473100 rrs	r.1255g>a	0.136
1473102 rrs	r.1257c>t	0.087
1473104 rrs	r.1259c>t	0.174
1473110 rrs	r.1265t>g	0.107
1473111 rrs	r.1266a>g	0.143
1473121 rrs	r.1276t>c	0.167
1473145 rrs	r.1300c>t	0.222
1473166 rrs	r.1321g>a	0.292
1473177 rrs	r.1332g>a	0.087
1473192 rrs	r.1347a>g	0.105
1473198 rrs	r.1353gc>g	0.125
1473202 rrs	r.1357c>t	0.125
1473205 rrs	r.1360t>c	0.125
1473226 rrs	r.1381c>g	0.214
1473248 rrs	r.1403g>a	0.118
1473249 rrs	r.1404t>c	0.111
1473252 rrs	r.1407t>c	0.333
1473259 rrs	r.1414c>t	0.286
1473276 rrs	r.1431a>g	0.471
1473283 rrs	r.1438t>c	0.211
1473288 rrs	r.1443c>g	0.111
1473290 rrs	r.1445c>t	0.333
1473301 rrs	r.1456t>c	0.389

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1473315 rrs	r.1470t>c	0.214
1473316 rrs	r.1471c>t	0.214
1473319 rrs	r.1474c>t	0.143
1473352 rrs	r.1507c>t	0.385
1473363 rrs	r.1518ggc>g	0.154
1474161 rrl	r.504a>ac	0.105
1474184 rrl	r.527c>t	0.094
1474249 rrl	r.592g>t	0.25
1474263 rrl	r.606g>a	0.158
1474275 rrl	r.618t>a	0.105
1474498 rrl	r.841g>t	0.111
1474505 rrl	r.848c>g	0.1
1474516 rrl	r.859c>a	0.095
1474529 rrl	r.872a>c	0.158
1474530 rrl	r.873g>a	0.143
1474537 rrl	r.880g>a	0.13
1474539 rrl	r.882c>t	0.125
1474540 rrl	r.883t>g	0.143
1474549 rrl	r.892g>t	0.105
1474644 rrl	r.987g>a	0.111
1474736 rrl	r.1079c>t	0.133
1474749 rrl	r.1092c>t	0.286
1474751 rrl	r.1094g>a	0.154
1474753 rrl	r.1096ac>c	0.2
1474760 rrl	r.1103a>g	0.474
1474770 rrl	r.1113g>a	0.143
1474777 rrl	r.1120t>c	0.273
1474779 rrl	r.1122g>a	0.455
1474780 rrl	r.1123c>t	0.091
1474782 rrl	r.1125g>a	0.227
1474784 rrl	r.1127c>t	0.208
1474790 rrl	r.1133c>t	0.125
1474794 rrl	r.1137c>t	0.417
1474799 rrl	r.1142gt>g	0.1
1474823 rrl	r.1166c>g	0.364

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1474827 rrl	r.1170c>t	0.364
1474830 rrl	r.1173a>t	0.25
1474831 rrl	r.1174a>g	0.222
1474904 rrl	r.1247g>c	0.382
1474905 rrl	r.1248t>c	0.406
1474913 rrl	r.1256t>c	0.323
1474932 rrl	r.1275c>t	0.235
1475158 rrl	r.1501c>t	0.125
1475645 rrl	r.1988c>a	0.125
1475699 rrl	r.2042c>t	0.136
1475722 rrl	r.2065g>t	0.222
1475753 rrl	r.2096c>t	0.167
1475765 rrl	r.2108a>t	0.167
1475769 rrl	r.2112t>c	0.143
1475781 rrl	r.2124t>c	0.2
1475791 rrl	r.2134a>g	0.1
1475803 rrl	r.2146t>c	0.095
1475804 rrl	r.2147g>c	0.095
1475816 rrl	r.2159c>g	0.214
1475817 rrl	r.2160a>g	0.267
1475869 rrl	r.2212c>a	0.213
1475877 rrl	r.2220c>t	0.195
1475881 rrl	r.2224t>c	0.25
1475883 rrl	r.2226a>t	0.256
1475884 rrl	r.2227a>g	0.156
1475892 rrl	r.2235a>c	0.188
1475898 rrl	r.2241a>g	0.239
1475899 rrl	r.2242g>a	0.239
1475906 rrl	r.2249c>t	0.216
1475916 rrl	r.2259c>t	0.212
1475943 rrl	r.2286g>a	0.208
1475952 rrl	r.2295a>g	0.175
1475970 rrl	r.2313c>t	0.204
1475975 rrl	r.2318c>t	0.318
1475977 rrl	r.2320a>g	0.359

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1475978 rrl	r.2321c>t	0.231
1475988 rrl	r.2331a>g	0.25
1475990 rrl	r.2333g>a	0.091
1475991 rrl	r.2334t>a	0.091
1475993 rrl	r.2336c>t	0.111
1476000 rrl	r.2343g>a	0.105
1476260 rrl	r.2603a>g	0.174
1476294 rrl	r.2637a>g	0.091
1476295 rrl	r.2638c>g	0.091
1476296 rrl	r.2639c>t	0.091
1476297 rrl	r.2640c>t	0.087
1476302 rrl	r.2645g>a	0.087
1476332 rrl	r.2675g>c	0.105
1476336 rrl	r.2679c>t	0.175
1476338 rrl	r.2681c>t	0.108
1476353 rrl	r.2696g>t	0.103
1476356 rrl	r.2699c>a	0.225
1476357 rrl	r.2700t>c	0.231
1476358 rrl	r.2701t>c	0.35
1476359 rrl	r.2702c>g	0.39
1476369 rrl	r.2712c>t	0.41
1476372 rrl	r.2715t>c	0.154
1476381 rrl	r.2724g>c	0.469
1476382 rrl	r.2725a>g	0.424
1476383 rrl	r.2726t>g	0.296
1476384 rrl	r.2727g>t	0.235
1476408 rrl	r.2751g>a	0.343
1476411 rrl	r.2754g>a	0.161
1476425 rrl	r.2768g>a	0.353
1476428 rrl	r.2771c>t	0.571
1476429 rrl	r.2772a>c	0.389
1476442 rrl	r.2785t>a	0.184
1476443 rrl	r.2786g>t	0.189
1476455 rrl	r.2798c>a	0.175
1476456 rrl	r.2799a>t	0.163

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1476463 rrl	r.2806c>a	0.154
1476466 rrl	r.2809c>t	0.537
1476481 rrl	r.2824t>c	0.4
1476506 rrl	r.2849t>c	0.571
1476513 rrl	r.2856g>t	0.1
1476514 rrl	r.2857c>t	0.105
1476515 rrl	r.2858c>t	0.118
1476524 rrl	r.2867c>t	0.143
1476525 rrl	r.2868a>g	0.2
1476530 rrl	r.2873c>t	0.143
1476536 rrl	r.2879g>a	0.143
1476538 rrl	r.2881a>g	0.143
1476547 rrl	r.2890c>t	0.375
1476565 rrl	r.2908g>a	0.125
1476566 rrl	r.2909a>g	0.125
1476567 rrl	r.2910c>t	0.312
1476573 rrl	r.2916a>c	0.118
1476577 rrl	r.2920t>g	0.118
1476584 rrl	r.2927c>t	0.312
1476588 rrl	r.2931a>g	0.176
1673524 Rv1483	c.85C>T	0.143
1674892 Rv1484	p.Asn231Asp	1
1834015 Rv1630	c.474G>C	0.143
1834040 Rv1630	p.Lys167Gln	0.154
1834135 Rv1630	c.594G>C	0.2
1834177 Rv1630	c.636A>C	1
2153993 Rv1908c	p.Leu707Ile	0.154
2154003 Rv1908c	p.Glu703Asp	0.125
2154057 Rv1908c	c.2055G>T	0.154
2155396 Rv1908c	p.Pro239Leu	0.154
2288710 Rv2043c	p.Ala178Pro	0.143
2288745 Rv2043c	p.Asp166Gly	0.125
2518264 Rv2245	c.150C>T	0.125
2518323 Rv2245	p.Ser70Asn	0.091
2518433 Rv2245	p.Arg107Trp	0.182

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2518849 Rv2245	c.735G>T	0.1
2519053 Rv2245	c.939G>C	0.118
2714138 Rv2416c	p.Ala399Pro	0.133
2714317 Rv2416c	p.Arg339Gln	0.091
2714377 Rv2416c	p.Thr319Lys	0.091
2726152 Rv2428	c.-41C>A	0.136
2746755 Rv2447c	p.Leu282Ile	0.125
2747136 Rv2447c	p.Leu155Ile	0.167
2859519 Rv2535c	c.900C>T	0.154
2986852 Rv2671	p.Gly5Val	0.111
2987361 Rv2671	p.Glu175*	0.125
3067716 Rv2754c	p.Ser77Ile	0.125
3067743 Rv2754c	p.Gly68Val	0.154
3068076 Rv2754c	c.-131G>T	0.1
3073905 Rv2764c	c.567G>A	0.125
3074096 Rv2764c	c.376G>T	0.167
3074116 Rv2764c	p.Leu119Pro	0.143
3074150 Rv2764c	p.His108Asn	0.111
3074446 Rv2764c	p.Arg9His	0.118
3086788 Rv2780	c.-32T>C	1
3086950 Rv2780	p.Ala44Gly	0.125
3086977 Rv2780	p.Ala53Glu	0.118
3087294 Rv2780	p.Leu159Met	0.133
3087419 Rv2780	p.Asn200Lys	0.118
3087786 Rv2780	p.Glu323*	0.091
3339237 Rv2983	c.120G>T	0.105
3641545 Rv3262	p.Pro4Leu	0.133
3642540 Rv3262	p.Ala336Pro	0.087
3840248 Rv3423c	c.1173G>T	0.105
3840555 Rv3423c	p.Ala289Val	0.1
3840890 Rv3423c	c.531G>A	0.111
3840913 Rv3423c	p.Ala170Thr	0.143
3841546 Rv3423c	c.-126C>A	0.212
3841662 Rv3423c	c.-242A>G	0.313
3841677 Rv3423c	c.-257C>T	0.197

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3841679 Rv3423c	c.-259T>G	0.177
3841694 Rv3423c	c.-274C>A	0.231
3987026 Rv3547	c.183C>A	0.091
4241072 Rv3793	p.Leu404Met	0.182
4241439 Rv3793	p.Ser526Asn	0.111
4241733 Rv3793	p.Ala624Val	0.143
4241864 Rv3793	c.2002C>T	0.143
4242900 Rv3793	p.Pro1013Arg	0.111
4242967 Rv3793	p.Ile1035Met	0.105
4243318 Rv3794	p.Gly29Asp	0.167
4244354 Rv3794	c.1122G>A	0.1
4244850 Rv3794	p.Arg540Trp	0.2
4244891 Rv3794	c.1659C>T	0.2
4245757 Rv3794	p.Ser842Ile	0.167
4246176 Rv3794	p.Ala982Thr	0.2
4246544 Rv3795	p.Thr11Pro	0.6
4247387 Rv3795	p.Val292Phe	0.091
4247470 Rv3795	c.957T>C	0.095
4247472 Rv3795	p.Phe320Tyr	0.095
4248683 Rv3795	c.2170 2171insAT	0.105
4249676 Rv3795	p.Arg1055Gly	0.2
4249757 Rv3795	p.Thr1082Ala	1
4269437 Rv3806c	p.Ala133Ser	0.1
4326405 Rv3854c	p.Asp357Tyr	1
4326970 Rv3854c	c.504G>T	0.087
4327430 Rv3854c	p.Ser15Tyr	0.111
4327701 Rv3855	c.153C>A	0.13
4327731 Rv3855	p.Phe61Leu	0.087
4327933 Rv3855	p.Ala129Thr	0.133
4407588 Rv3919c	c.615T>C	1
4407927 Rv3919c	p.Glu92Asp	1
4408085 Rv3919c	p.Glu40*	0.133
4408200 Rv3919c	3C>A	0.1

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Coverage report

Gene	Locus_Tag	Cutoff	Fraction	
gyrB	Rv0005		0	0
gyrA	Rv0006		0	0
fgd1	Rv0407		0	0
mshA	Rv0486		0	0
rpoB	Rv0667		0	0
rpoC	Rv0668		0	0
mmpR5	Rv0678		0	0
rpsL	Rv0682		0	0
rplC	Rv0701		0	0
fbiC	Rv1173		0	0
embR	Rv1267c		0	0
atpE	Rv1305		0	0
rrs	rrs		0	0
rrl	rrl		0	0
fabG1	Rv1483		0	0
inhA	Rv1484		0	0
rpsA	Rv1630		0	0
tlyA	Rv1694		0	0
katG	Rv1908c		0	0
pncA	Rv2043c		0	0
kasA	Rv2245		0	0
eis	Rv2416c		0	0
ahpC	Rv2428		0	0
folC	Rv2447c		0	0
pepQ	Rv2535c		0	0
ribD	Rv2671		0	0
thyX	Rv2754c		0	0
thyA	Rv2764c		0	0
ald	Rv2780		0	0
fbiD	Rv2983		0	0
fbiA	Rv3261		0	0
fbiB	Rv3262		0	0

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alr	Rv3423c	0	0
ddn	Rv3547	0	0
panD	Rv3601c	0	0
embC	Rv3793	0	0
embA	Rv3794	0	0
embB	Rv3795	0	0
ubiA	Rv3806c	0	0
ethA	Rv3854c	0	0
ethR	Rv3855	0	0
gid	Rv3919c	0	0

Missing positions report

Gene	Locus_Tag	Position	Position_Type	Drug_Resistance_Positio
fgd1	Rv0407	186 codon		
fgd1	Rv0407	187 codon		
fgd1	Rv0407	188 codon		
fgd1	Rv0407	189 codon		
fgd1	Rv0407	190 codon		
fgd1	Rv0407	191 codon		
fgd1	Rv0407	192 codon		
fgd1	Rv0407	193 codon		
fgd1	Rv0407	194 codon		
fgd1	Rv0407	195 codon		
fgd1	Rv0407	196 codon		
fgd1	Rv0407	197 codon		
fgd1	Rv0407	198 codon		
fgd1	Rv0407	199 codon		
fgd1	Rv0407	200 codon		
fgd1	Rv0407	201 codon		
fgd1	Rv0407	202 codon		
fgd1	Rv0407	203 codon		
fgd1	Rv0407	204 codon		
fgd1	Rv0407	205 codon		

TB3qc_tbprofiler.results

fgd1	Rv0407	207 codon
fgd1	Rv0407	208 codon
fgd1	Rv0407	209 codon
fgd1	Rv0407	221 codon
fgd1	Rv0407	222 codon
fgd1	Rv0407	223 codon
fgd1	Rv0407	224 codon
fgd1	Rv0407	225 codon
mshA	Rv0486	308 codon
mshA	Rv0486	309 codon
mshA	Rv0486	310 codon
mshA	Rv0486	319 codon
mshA	Rv0486	320 codon
mshA	Rv0486	321 codon
mshA	Rv0486	322 codon
mshA	Rv0486	323 codon
mshA	Rv0486	324 codon
mshA	Rv0486	325 codon
mshA	Rv0486	326 codon
mshA	Rv0486	327 codon
mshA	Rv0486	328 codon
mshA	Rv0486	329 codon
mshA	Rv0486	330 codon
mshA	Rv0486	331 codon
mshA	Rv0486	332 codon
mshA	Rv0486	333 codon
mshA	Rv0486	334 codon
mshA	Rv0486	335 codon
mshA	Rv0486	336 codon
mshA	Rv0486	337 codon
mshA	Rv0486	338 codon
mshA	Rv0486	339 codon
mshA	Rv0486	381 codon
mshA	Rv0486	382 codon
mshA	Rv0486	383 codon

TB3qc_tbprofiler.results

mshA	Rv0486	384 codon
mshA	Rv0486	385 codon
mshA	Rv0486	386 codon
mshA	Rv0486	387 codon
mshA	Rv0486	388 codon
rpoB	Rv0667	244 codon
rpoB	Rv0667	245 codon
rpoB	Rv0667	246 codon
rpoB	Rv0667	247 codon
rpoB	Rv0667	248 codon
rpoB	Rv0667	262 codon
rpoB	Rv0667	263 codon
rpoB	Rv0667	264 codon
rpoB	Rv0667	623 codon
rpoB	Rv0667	624 codon
rpoB	Rv0667	625 codon
rpoB	Rv0667	626 codon
rpoB	Rv0667	627 codon
rpoB	Rv0667	628 codon
rpoB	Rv0667	989 codon
rpoB	Rv0667	990 codon
rpoB	Rv0667	991 codon
rpoC	Rv0668	263 codon
rpoC	Rv0668	264 codon
rpoC	Rv0668	265 codon
rpoC	Rv0668	266 codon
rpoC	Rv0668	267 codon
rpoC	Rv0668	268 codon
rpoC	Rv0668	269 codon
rpoC	Rv0668	270 codon
rpoC	Rv0668	271 codon
rpoC	Rv0668	272 codon
rpoC	Rv0668	273 codon
rpoC	Rv0668	274 codon
rpoC	Rv0668	275 codon

TB3qc_tbprofiler.results

rpoC	Rv0668	276 codon
rpoC	Rv0668	791 codon
rpoC	Rv0668	792 codon
rpoC	Rv0668	793 codon
rpoC	Rv0668	794 codon
rpoC	Rv0668	1202 codon
rpoC	Rv0668	1203 codon
rpoC	Rv0668	1204 codon
rpoC	Rv0668	1205 codon
rpoC	Rv0668	1206 codon
rpoC	Rv0668	1207 codon
rpoC	Rv0668	1208 codon
rpoC	Rv0668	1209 codon
rpoC	Rv0668	1210 codon
rpoC	Rv0668	1211 codon
rpoC	Rv0668	1212 codon
rpoC	Rv0668	1213 codon
rpoC	Rv0668	1214 codon
rpoC	Rv0668	1215 codon
rpoC	Rv0668	1216 codon
rpoC	Rv0668	1217 codon
rpoC	Rv0668	1218 codon
rpoC	Rv0668	1219 codon
rpoC	Rv0668	1220 codon
rpoC	Rv0668	1221 codon
rpoC	Rv0668	1222 codon
rpoC	Rv0668	1223 codon
rpoC	Rv0668	1224 codon
rpoC	Rv0668	1225 codon
rpsA	Rv1630	358 codon
rpsA	Rv1630	359 codon
rpsA	Rv1630	360 codon
rpsA	Rv1630	361 codon
rpsA	Rv1630	362 codon
rpsA	Rv1630	363 codon

TB3qc_tbprofiler.results

rpsA	Rv1630	364 codon
rpsA	Rv1630	365 codon
rpsA	Rv1630	366 codon
rpsA	Rv1630	367 codon
rpsA	Rv1630	368 codon
rpsA	Rv1630	385 codon
rpsA	Rv1630	386 codon
rpsA	Rv1630	387 codon
rpsA	Rv1630	388 codon
rpsA	Rv1630	389 codon
rpsA	Rv1630	390 codon
rpsA	Rv1630	391 codon
rpsA	Rv1630	392 codon
rpsA	Rv1630	393 codon
rpsA	Rv1630	394 codon
rpsA	Rv1630	395 codon
rpsA	Rv1630	396 codon
rpsA	Rv1630	397 codon
rpsA	Rv1630	398 codon
rpsA	Rv1630	399 codon
rpsA	Rv1630	400 codon
rpsA	Rv1630	401 codon
rpsA	Rv1630	402 codon
rpsA	Rv1630	403 codon
rpsA	Rv1630	463 codon
rpsA	Rv1630	464 codon
rpsA	Rv1630	465 codon
rpsA	Rv1630	466 codon
rpsA	Rv1630	467 codon
rpsA	Rv1630	468 codon
rpsA	Rv1630	469 codon
rpsA	Rv1630	470 codon
rpsA	Rv1630	471 codon
rpsA	Rv1630	472 codon
rpsA	Rv1630	473 codon

TB3qc_tbprofiler.results

rpsA	Rv1630	474 codon	pyrazinamide
rpsA	Rv1630	475 codon	
rpsA	Rv1630	476 codon	
rpsA	Rv1630	477 codon	
rpsA	Rv1630	478 codon	
katG	Rv1908c	265 codon	isoniazid
katG	Rv1908c	264 codon	isoniazid
katG	Rv1908c	263 codon	
katG	Rv1908c	262 codon	isoniazid
katG	Rv1908c	261 codon	isoniazid
katG	Rv1908c	260 codon	
katG	Rv1908c	259 codon	isoniazid
katG	Rv1908c	116 codon	
kasA	Rv2245	164 codon	
kasA	Rv2245	165 codon	
kasA	Rv2245	166 codon	
kasA	Rv2245	167 codon	
kasA	Rv2245	168 codon	
kasA	Rv2245	169 codon	
kasA	Rv2245	170 codon	
kasA	Rv2245	171 codon	
folC	Rv2447c	353 codon	
pepQ	Rv2535c	266 codon	
pepQ	Rv2535c	265 codon	
pepQ	Rv2535c	264 codon	
pepQ	Rv2535c	263 codon	
pepQ	Rv2535c	262 codon	
pepQ	Rv2535c	261 codon	
pepQ	Rv2535c	260 codon	
pepQ	Rv2535c	259 codon	
pepQ	Rv2535c	258 codon	
pepQ	Rv2535c	249 codon	
pepQ	Rv2535c	248 codon	
pepQ	Rv2535c	247 codon	
pepQ	Rv2535c	246 codon	

TB3qc_tbprofiler.results

pepQ	Rv2535c	245 codon
pepQ	Rv2535c	244 codon
pepQ	Rv2535c	243 codon
pepQ	Rv2535c	242 codon
pepQ	Rv2535c	241 codon
pepQ	Rv2535c	214 codon
pepQ	Rv2535c	211 codon
pepQ	Rv2535c	210 codon
pepQ	Rv2535c	209 codon
pepQ	Rv2535c	208 codon
pepQ	Rv2535c	207 codon
pepQ	Rv2535c	206 codon
ribD	Rv2671	90 codon
ribD	Rv2671	91 codon
ribD	Rv2671	92 codon
ribD	Rv2671	93 codon
ribD	Rv2671	94 codon
ribD	Rv2671	95 codon
ribD	Rv2671	96 codon
thyX	Rv2754c	222 codon
thyX	Rv2754c	221 codon
thyX	Rv2754c	220 codon
thyX	Rv2754c	219 codon
thyX	Rv2754c	218 codon
thyX	Rv2754c	217 codon
thyX	Rv2754c	216 codon
thyX	Rv2754c	215 codon
thyX	Rv2754c	214 codon
thyX	Rv2754c	213 codon
thyX	Rv2754c	212 codon
thyX	Rv2754c	211 codon
thyX	Rv2754c	210 codon
thyX	Rv2754c	209 codon
thyX	Rv2754c	208 codon
thyX	Rv2754c	207 codon

TB3qc_tbprofiler.results

thyX	Rv2754c	206 codon	
thyX	Rv2754c	205 codon	
thyX	Rv2754c	204 codon	
thyX	Rv2754c	203 codon	
alr	Rv3423c	86 codon	
alr	Rv3423c	85 codon	
embC	Rv3793	427 codon	
embC	Rv3793	428 codon	
embC	Rv3793	429 codon	
embC	Rv3793	430 codon	
embC	Rv3793	431 codon	
embC	Rv3793	432 codon	
embC	Rv3793	450 codon	
embC	Rv3793	451 codon	
embC	Rv3793	452 codon	
embC	Rv3793	453 codon	
embC	Rv3793	456 codon	
embC	Rv3793	457 codon	
embC	Rv3793	779 codon	ethambutol
embC	Rv3793	780 codon	
embC	Rv3793	781 codon	
embC	Rv3793	794 codon	
embC	Rv3793	795 codon	
embC	Rv3793	796 codon	
embC	Rv3793	797 codon	
embC	Rv3793	798 codon	
embC	Rv3793	801 codon	
embC	Rv3793	802 codon	
embC	Rv3793	803 codon	
embC	Rv3793	804 codon	
embC	Rv3793	805 codon	
embC	Rv3793	806 codon	
embC	Rv3793	807 codon	
embC	Rv3793	808 codon	
embC	Rv3793	809 codon	

TB3qc_tbprofiler.results

embC	Rv3793	810 codon	
embC	Rv3793	811 codon	
embC	Rv3793	812 codon	
embC	Rv3793	813 codon	
embC	Rv3793	814 codon	
embA	Rv3794	543 codon	
embA	Rv3794	544 codon	
embA	Rv3794	545 codon	
embA	Rv3794	776 codon	
embA	Rv3794	777 codon	
embA	Rv3794	781 codon	
embA	Rv3794	782 codon	
embA	Rv3794	783 codon	
embA	Rv3794	784 codon	
embB	Rv3795	45 codon	
embB	Rv3795	228 codon	
embB	Rv3795	229 codon	
embB	Rv3795	230 codon	
embB	Rv3795	231 codon	
embB	Rv3795	232 codon	
embB	Rv3795	233 codon	
embB	Rv3795	234 codon	
embB	Rv3795	235 codon	
embB	Rv3795	236 codon	
embB	Rv3795	237 codon	
embB	Rv3795	238 codon	
embB	Rv3795	239 codon	ethambutol
embB	Rv3795	240 codon	ethambutol
embB	Rv3795	241 codon	
embB	Rv3795	242 codon	
embB	Rv3795	243 codon	
embB	Rv3795	244 codon	
embB	Rv3795	245 codon	
embB	Rv3795	246 codon	
embB	Rv3795	247 codon	

TB3qc_tbprofiler.results

embB	Rv3795	248 codon
embB	Rv3795	249 codon
embB	Rv3795	250 codon
embB	Rv3795	251 codon
embB	Rv3795	252 codon
embB	Rv3795	749 codon
embB	Rv3795	785 codon
embB	Rv3795	786 codon
embB	Rv3795	787 codon
embB	Rv3795	788 codon
embB	Rv3795	789 codon
embB	Rv3795	918 codon
embB	Rv3795	919 codon
embB	Rv3795	920 codon
embB	Rv3795	921 codon

Analysis pipeline specifications

Pipeline version	3.0.4
Database version	tbdb_b2af444_Jody Phelan <jody.phelan@lshtm.ac.uk>_Mon Dec 21 06:39:13 2020 +0000
Analysis	Program
Mapping	bwa
Variant Calling	freebayes

Drugs.Drug

ciprofloxacin,fluoroquinolones,levofloxacin,moxifloxacin,ofloxacin

ciprofloxacin,fluoroquinolones,levofloxacin,moxifloxacin,ofloxacin

rifampicin

streptomycin

streptomycin

amikacin,aminoglycosides,capreomycin,kanamycin

amikacin,aminoglycosides,capreomycin,kanamycin

isoniazid

pyrazinamide

ethambutol

TB3qc_tbprofiler.results

in