

Supplementary file: Alignment of isolates with *M. kansasii* reference sequence showing mutation in drug resistant loci.

Alignment of *eis* gene between *M. kansasii* and NT16.

NT16	1	MYFLAAASFPDFMGRPANTWRS LVPADGAVVSCDGGDVVGMA LYDLRL	50
M.kansasii	1	MYFLAAASFPDFMGRPANTWRS LVPADGAVVSCDGGDVVGMA LYDLRL	50
NT16	51	TVPGGAVLPAAGLSFVAVAPTHRRRGLRLMCAELHRRISDSEYPMAALY	100
M.kansasii	51	TVPGGAVLPAAGLSFVAVAPTHRRRGLRLMCAELHRRISDSEYPMAALY	100
NT16	101	ASEGGIYGRFGYGPATVLQELTLDRRFARFHL DAPDGGRVRLVNPAEHRD	150
M.kansasii	101	ASEGGIYGRFGYGPATVLQELTLDRRFARFHL DAPDGGRVRLVNPAEHRD	150
NT16	151	EFAAIYERWRQQVPGGLARPDVLWEDALGECTNSPRGDTRLFAFLHTDGY	200
M.kansasii	151	EFAAIYERWRQQVPGGLARPDVLWEDALGECTNSPRGDTRLFAFLHTDGY	200
NT16	201	ALYRVDATDQKLARVEELRAVTADAHISLWRALLGLDSMERVRVITHPDD	250
M.kansasii	201	ALYRVDATDQKLARVEELRAVTADAHISLWRALLGLDSMERVRVITHPDD	250
NT16	251	PLPFLLTDTRLASPTFRQDGLWLRIMDIPAALEARGYCADLATVIGISDG	300
M.kansasii	251	PLPFLLTDTRLASPTFRQDGLWLRIMDIPAALEARGYCADLAMVIGVSDG	300
NT16	301	GRYRLQIRDGRALCSPTDASADVVLGRDVLGSLYLGVHRASTLAAANRLR	350
M.kansasii	301	GRYRLQIRDGRALCSPTDASADVVLGRDVLGSLYLGVHRASTLAAANRLR	350
NT16	351	TRDSGLVNRLDAAFASDVPAQTAFEF	376
M.kansasii	351	TRDSGLVNRLDAAFASDVPAQTAFEF	376

Alignment of *embB* gene between *M. kansasii* and NT22.

NT22	1	MSMTTASRDVRVTRWVATIAGLVGFVLSVATPLL PVVQTTAMLNWPQNGQ	50
M.kansasii	1	MSMTTASRDVRVTRWVATIAGLVGFVLSVATPLL PVVQTTAMLNWPQNGQ	50
NT22	51	LNSVTAPLITLTPVDLTATVPCEVVRGMPPQGGVVLGTAPKQGKDANLQA	100
M.kansasii	51	LNSVTAPLITLTPVDLTATVPCEVVRGLPPQGGVVLGTAPKQGKDANLQA	100
NT22	101	MFVVVSSQRVDVTDNRNVILSVPRDQVVGAANAPGCSSIEVTSTHAGTFA	150
M.kansasii	101	MFVVVSSQRVDVTDNRNVILSVPRDQVVGGANAPGCSSIEVTSTHAGTFA	150
NT22	151	TFVGLKDPGGQPLRGGFPDPNLRPQIVGVFTDLTG PAPPGLKLSATIDTR	200
M.kansasii	151	TFVGLKDPAGQPLRGGFPDPNLRPQIVGVFTDLTG PAPPGLKLSATIDTR	200
NT22	201	FSTPTTTLKLLAMVGAIVATVVALVALWRDLRDLGHRMRRWIPQNWRFTT	250

M.kansasii	201	 FSTTPTTLKLLAMVGAIVATVVALVALWRLDRLDGHMRMRWIPQNWRTFT	250
NT22	251	LLDGVVIFTFLLWHVIGANSSDDGYILGMARVADRAGYMSNYFRWFGSPE .	300
M.kansasii	251	LLDGVVIFAFLWVIGANSSDDGYILGMARVADRAGYMSNYFRWFGSPE	300
NT22	301	DPFGWYYNLLALMTHVSDASIWMRLPDLFAGLVCWLLLSREVLPRLGPAV 	350
M.kansasii	301	DPFGWYYNLLALMTHVSDASIWMRLPDLFAGLVCWLLLSREVLPRLGPAV	350
NT22	351	TSSKAANWAAATVLLTAWMPFNGLRPEGIIALGSLVTYVLIERSMRYSR 	400
M.kansasii	351	TSSKAANWAAATVLLTAWMPFNGLRPEGIIALGSLVTYVLIERSMRYSR	400
NT22	401	LTPAALAIIAAAFTLGVQPTGLIAVAALVAGGRPILRIFVKRHRLVGTLP 	450
M.kansasii	401	LTPAALAIIAAAFTLGVQPTGLIAVAALVAGGRPILRIFVKRHRLVGTLP	450
NT22	451	LLSPMLAAGTIILTVVFADQTLSTVLEATRVRGKIGPSQAWYTENLRYYY 	500
M.kansasii	451	LLSPMLAAGTIILTVVFADQTLSTVLEATRVRGKIGPSQAWYTENLRYYY	500
NT22	501	LILPTVDGSLSRRFGLITALCLFTAVFIMLRKRIPGVARGPAWRLMGV 	550
M.kansasii	501	LILPTVDGSLSRRFGLITALCLFTAVFIMLRKRIPGVARGPAWRLMGV	550
NT22	551	IFATMFFLMFTPTKWWHHFGLFAAVGAAMAALTTVLVSPSVLRWSNRMA 	600
M.kansasii	551	IFATMFFLMFTPTKWWHHFGLFAAVGAAMAALTTVLVSPSVLRWSNRMA	600
NT22	601	FLAAVLFMLALCWATTNGWWYVSSYGVPFNSAMPKIAGITVSTIFFALFA 	650
M.kansasii	601	FLAAVLFMLALCWATTNGWWYVSSYGVPFNSAMPKIAGITVSTIFFALFA	650
NT22	651	IAAVYAAWLHFAPRGSGEGRLTRALTWPSQAPVPLAAGFMAVVFVASMVA 	700
M.kansasii	651	IAAVYAAWLHFAPRGSGEGRLTRALTWPSQAPVPLAAGFMAVVFVASMVA	700
NT22	701	GIVRQYPTYSNOWSNLRAFVGGCGLADDVLVEPDPNNGFMTALPGDYGPL .	750
M.kansasii	701	GIVRQYPTYSNOWSNLRAFVGGCGLADDVLVEPDPNYGFMTALPGDYGPL	750
NT22	751	GPLGGTNPTGFTPNGVPEHTVAEAIVMKPNQPGTDYDWDAPTKLKTAGIN 	800
M.kansasii	751	GPLGGTNPTGFTPNGVPEHTVAEAIVMKPNQPGTDYDWDAPTKLKTAGIN	800
NT22	801	GSTVPLPYQLDPAVPLAGTYTTGAQRQSKLASAWYLLPTPDDGHPLVAV 	850
M.kansasii	801	GSTVPLPYQLDPAVPLAGTYTTGAQRQSKLASAWYLLPTPDDGHPLVAV	850
NT22	851	TAAGKIAGHSVLHGYTPGQTVVLEYARPGPGALVPAGRLVPDDLYGEQPK 	900
M.kansasii	851	TAAGKIAGHSVLHGYTPGQTVVLEYARPGPGALVPAGRLVPDDLYGEQPK	900
NT22	901	AWRNLRFARDKMPADAVAVRVVAEDLSLTPEDWIAVTPPRPDLRSLQEY 	950
M.kansasii	901	AWRNLRFARDKMPADAVAVRVVAEDLSLTPEDWIAVTPPRPDLRSLQEY	950
NT22	951	VGSTQPVLLDWAVGLAFPCQQPMLHVNGVTEIPKFRITPDYNAKKLDTDT 	1000
M.kansasii	951	VGSTQPVLLDWAVGLAFPCQQPMLHVNGVTEIPKFRITPDYNAKKLDTDT	1000
NT22	1001	WEDGVNGLLGITDLLLLRAHVMATYLSRDWARDWGSRLRKFDTLVDAPPAQ	1050

M.kansasii	1001	 WEDGVNGGLLGITDLLLLRAHVMATYLSRDWARDWGSLRKFDTLVDAPPAQ	1050
NT22	1051	LDLGTATRSGLWSPGKIRIGP	1071
M.kansasii	1051	 LDLGTATRSGLWSPGKIRIGP	1071

Alignment of *aftB* gene between *M. kansasii* and NT12.

M.kansasii	1	MGPLLPSASSRFKALRASALARRPAVRRARWPVFPYEPVVRISLWVSVAV	50
NT12	1	-----	0
M.kansasii	51	VCMLFGWGAWQRRWIADDGLIVLRTVRNLLAGNGPVFNMGERVEANTSTV	100
NT12	1	-----MGERVEANTSTA	12
M.kansasii	101	WTYLLYVASWVGGMRLLEYVALAVALMLSLLGAALLMLGTGRLYAPSLRG	150
NT12	13	WTYLLYAASWVGGMRLLEYVALAVALVLSLLGVALLMLGTGRLYAPSLRG	62
M.kansasii	151	RRAIMLPAGALVYIAVPPARDFATSGLESGVLTYLGLLWMMVCWAQPL	200
NT12	63	RRAIMLPAGALVYIAVPPARDFATSGLESGVLTYLGLLWMLMVCWAQPL	112
M.kansasii	201	RVRPHGRVFIGALAFVAGCSVLVRPELALMGGLALIMMLVAARTWRRRVL	250
NT12	113	RVRPHGRVFIGALAFVAGCSVLVRPELALMGGLALIMMLVAARTWRRRVL	162
M.kansasii	251	IVVAGGFLPVAYQIFRMGYALLVPGTALAKDAAGDKWSQGMYYLSNFNR	300
NT12	163	IVVAGGLLPVAYQIFRMGYALLVPGTALAKDAAGDKWSQGMYYLSNFNR	212
M.kansasii	301	PYALWVPIVLLVPLGLVLM LARRRPSFLRPMVAPDYGRVARAVQSPAAVV	350
NT12	213	PYALWVPIVLLVPLGLVLM LARRRPSFLRPVAPDYGRLARAVQSPAAVV	262
M.kansasii	351	AFMIGSGLLQALYWIRQGGDFMHGRVLLAPLFCLLAPVAVIPVLLPDGKD	400
NT12	263	AFMVGSGLLQALYWIRQGGDFMHGRVLLAPLFCLLAPVAVIPLSLPDGRD	312
M.kansasii	401	FSKETGYWLAGGVSILWLGWAGWSLWAANSPGMGDDATHVTTYTGIVDERR	450
NT12	313	FSKETGYWLAGVVSILWLGWAGWSLWAANSPGMGDDATHVTTYTGIVDERR	362
M.kansasii	451	FYAQATGHAHPLTAADYLDYPRMAAVLTALDNTPEGALLPSGNYNQWDL	500
NT12	363	FYAQATGHAHPLTAADYLDYPRMAAVLTALDNTPDGALLPSGNYNQWDL	412
M.kansasii	501	VPMIPPGTAPGIPATQKPQHAVFFTNLGMGMNVGLDVRVIDQIGLANPL	550
NT12	413	VPMIPPGTAPGIPASQKPQHAVFFTNLGMGMNVGLDVRVLDQIGLANPL	462
M.kansasii	551	AQHTERLKHGRIGHDKNLFDPDWIADGPWVKWYPGVPGYLDPAWVAQAEA	600
NT12	463	AQHTERLKHGRIGHDKNLFDPDWIADGPWVKWYPGVPGYLDPAWVAQAEA	512
M.kansasii	601	ALKCPATQAVLNSVRAPLTLLRRFVSNVHSFEFTRYRIDRVPLNELIRCG	650

NT12	513	ALRCPATQAVLNSVRAPLTVRRFVSNVVSFEFTRYRIDRVPLNELIRCG	562
M.kansasii	651	LEVPDVSPAPARE	663
		.	
NT12	563	LEVPDVPPAPARE	575

Alignment of *rrl* loci between *M. kansasii* and NT47.

Drug resistant location with A2089G mutation found in one of our isolate NT47 results highlighted in blue rectangle, mutation is marked in red color.

M.kansasii	1	TTGTAAGTGTCTAAGGGCGCATGGTGGATGCCTTGGCATCGAGAGCCGAT	50
NT47	1	TTGTAAGTGTCTAAGGGCGCACGGTGGATGCCTTGGCATCGAGAGCCGAT	50
M.kansasii	51	GAAGGACGTGGGAGGCTGCGATAAGCCTCGGGGAGCTGTCAACCGAGCGT	100
NT47	51	GAAGGACGTGGGAGGCTGCGATAAGCCTCGGGGAGCTGTCAACCGAGCGT	100
M.kansasii	101	GGATCCGAGGATTTCCGAATGGGGAAACCCAGCACGAGTGATGTCGTGTT	150
NT47	101	GGATCCGAGGATTTCCGAATGGGGAAACCCAACACGAGTTATGTCGTGTT	150
M.kansasii	151	ACCCGCATCTGAATATATAGGGTGCGGGAGGGAACGCGGGGAAGTGAAAC	200
NT47	151	ACCCGCATCTGAATATATAGGGTGCGGGAGGGAACGCGGGGAAGTGAAAC	200
M.kansasii	201	ATCTCAGTACCCGTAGGAGAAGAAAACAAAAGTGATTCCGTAAGTAGTGG	250
		.	
NT47	201	ATCTTAGTACCCGTAGGAGAAGAAAACAAAAGTGATTCCGTAAGTAGTGG	250
M.kansasii	251	CGAGCGAACGCGGAACATGGCTAAACCGCACGCATGGGTAACCGGGTAGG	300
NT47	251	CGAGCGAACGCGGAACATGGCTAAACCGCACGCATGGGTAACCGGGTAGG	300
M.kansasii	301	GGTTGTGTGTGCGGGGTTGTGGGATCGATACGTCTCAGCTCTACCCGGCT	350
NT47	301	GGTTGTGTGTGCGGGGTTGTGGGATCGATACGTCTCAGCTCTACCCGGCT	350
M.kansasii	351	GAGGGGCAGTCAGAAAGTGTCGTGGTTAACGGAAGTGGCCTGGGATGGTC	400
NT47	351	GAGGGGCAGTCAGAAAGTGTCGTGGTTAACGGAAGTGGCCTGGGATGGTC	400
M.kansasii	401	TGCCGTAGACGGTGAGAGCCCGGTACGTGAAAACCCGGCACCTGCCTTGT	450
NT47	401	TGCCGTAGACGGTGAGAGCCCGGTACGTGAAAACCCGGCACCTGCCTTGT	450
M.kansasii	451	ATCAATTCCCGAGTAGCAGCGGGCCCGTGGAATCTGCTGTGAATCTGCCG	500
NT47	451	ATCAATTCCCGAGTAGCAGCGGGCCCGTGGAATCTGCTGTGAATCTGCCG	500
M.kansasii	501	GGACCACCCGGTAAGCCTAAATACTCCTCGATGACCGATAGCGGAATAGT	550
NT47	501	GGACCACCCGGTAAGCCTAAATACTCCTCGATGACCGATAGCGGAATAGT	550
M.kansasii	551	ACCGTGAGGGAATGGTGAAAAGTACCCCGGAGGGGAGTGAAAGAGTACC	600
		
NT47	551	ACCGTGAGGGAATGGTGAAAAGTACCCCGAAGGGGAGTGAAATAGAACT	600
M.kansasii	601	TGAAACCGTGTGCCTACAATCCGTCAGAGCCCTTTCGTGGGGTGATGGCG	650
		

NT47	601	TGAAACCGTGTGCTTACAAGTAGTCAGAGCCCGTTAAT-GGGTGATGGCG	649
M.kansasii	651	TGCCTTTTGAAGAATGAGCCTGCGAGTCAGGGACATGTCGCGAGGTAAAC	700
		. .	
NT47	650	TGCCTTTTGTAGAAATGAACCTGCGAGTCAGGGACATGTCGCGAGGTAAAC	699
M.kansasii	701	CCGTGCGGGGTAGCCGCAGCGAAAGCGAGTCTGAATAGGGCGTATCGCGC	750
		. .	
NT47	700	CCGTGCGGGGTAGCCGTAGCGAAAGCGAGTCTGAATAGGGCGTATCGCGC	749
M.kansasii	751	GCGAGCGTGTGTAGTGGCGTGTCTGGACCCGAAGCGGAGTGATCTACCC	800
NT47	750	GCGAGCGTGTGTAGTGGCGTGTCTGGACCCGAAGCGGAGTGATCTACCC	799
M.kansasii	801	ATGGCCAGGGTGAAGCGCGGGTAAGACCGCGTGGAGGCCCGAACCACCTT	850
NT47	800	ATGGCCAGGGTGAAGCGCGGGTAAGACCGCGTGGAGGCCCGAACCACCTT	849
M.kansasii	851	AGGTTGAAGACTGAGGGGATGAGCTGTGGGTAGGGGTGAAAGGCCAATCA	900
NT47	850	AGGTTGAAGACTGAGGGGATGAGCTGTGGGTAGGGGTGAAAGGCCAATCA	899
M.kansasii	901	AACTCCGTGATAGCTGGTTCTCCCCGAAATGCATTTAGGTGCAGCGTTGC	950
NT47	900	AACTCCGTGATAGCTGGTTCTCCCCGAAATGCATTTAGGTGCAGCGTTGC	949
M.kansasii	951	GTGTTTCACCACGGAGGTAGAGCTACTGGATGGCCGATGGGCCCCACTAG	1000
NT47	950	GTGTTTCACCACGGAGGTAGAGCTACTGGATGGCCGATGGGCCCCACTAG	999
M.kansasii	1001	GTTACTGACGTGAGCCAAACTCCGAATGCCGTGGTGTATAGCGTGGCAGT	1050
NT47	1000	GTTACTGACGTGAGCCAAACTCCGAATGCCGTGGTGTATAGCGTGGCAGT	1049
M.kansasii	1051	GAGACGGCGGGGGATAAGCTCCGTACGTGCGAAAGGGAAACAGCCCAGATC	1100
		.	
NT47	1050	GAGACGGCGGGGGATAAGCTCCGTACGTGCGAAAGGGAAACAGCCCAGACC	1099
M.kansasii	1101	GCCGGCTAAGGCCCCAAAGCGTGTGCTAAGTGGGAAAGGATGTGCAGTCG	1150
		. . .	
NT47	1100	ACCAGCTAAGGTCCCAAAGCGTGTGCTAAGTGGGAAAGGATGTGCAGTCG	1149
M.kansasii	1151	CAGAGACAACCAGGAGGTTGGCTTAGAAGCAGCCACCCTTGAAAGAGTGC	1200
		. .	
NT47	1150	CAGAGACAACCAGGATGTTGGCTTAGAAGCAGCCATCATTTAAAGAGTGC	1199
M.kansasii	1201	GTAATAGCTCACTGGTCAAGTGATTGTGCGCCGATAATGTAGCGGGGCTC	1250
		
NT47	1200	GTAATAGCTCACTAGTCGAGTGACACTGCGCCGAAAATGTACCGGGGCTC	1249
M.kansasii	1251	AAGCACACCGCCGAAGCCGCGACAACCGCAAGGTTGGGTAGGGGAGCGTC	1300
NT47	1250	AAGCACACCGCCGAAGCCGCGACAACCGCAAGGTTGGGTAGGGGAGCGTC	1299
M.kansasii	1301	CCTCATTCAGCGAAGCTGCCGGGTGACCGGTGGTGGAGGATGGGGGAGTG	1350
NT47	1300	CCTCATTCAGCGAAGCTGCCGGGTGACCGGTGGTGGAGGATGGGGGAGTG	1349
M.kansasii	1351	AGAATGCAGGCATGAGTAGCGATAAGGCAAGTGAGAACCTTGCCCCCCGA	1400
NT47	1350	AGAATGCAGGCATGAGTAGCGATAAGGCAAGTGAGAACCTTGCCCCCCGA	1399
M.kansasii	1401	AAGACCAAGGGTTCCTGGGCCAGGCCAGTCCGCCCAGGGTGAGTCGGGAC	1450

NT47	1400	AAGACCAAGGGTTCCTGGGCCAGGCCAGTCCGCCCAGGGTGAGTCGGGAC	1449
M.kansasii	1451	CTAAGGCGAGGCCGACAGGCGTAGTCGATGGACAACGGGTGATATTCCC	1500
NT47	1450	CTAAGGCGAGGCCGATAGGCGTAGGCGATGGATAACAGGTTGATATTCT	1499
M.kansasii	1501	GTACCCGTGTGTGGGCGCCCGTGATGAATCAGCGGTACTAACCACCCAAA	1550
NT47	1500	GTACCCGTGTGTGGGCGCCCGTGATGAATCAGCGGTACTAACCACCCAAA	1549
M.kansasii	1551	ACCGGATCGATCACTCCCCTTCGGGGGCGTGAGGTCTGGGGCTGCGTGG	1600
NT47	1550	ACCGGATCGATCACTCCCCTTCGGGGGCGTGAGGTCTGGGGCTGCGTGG	1599
M.kansasii	1601	AGCCTTCGCTGGTAGTAGTCAAGCGATGGGGTGACGCAGGAAGGCAGCCG	1650
NT47	1600	AGCCTTCGCTGGTAGTAGTCAAGCGATGGGGTGACGCAGGAAGGCAGCCG	1649
M.kansasii	1651	TACCAGTCAGTGGTAATACTGGGGCAAGCCAGTAGGGAGAGCGATAGGCA	1700
NT47	1650	TACCAGTCAGTGGTAATACTGGGGCAAGCCAGTAGGGAGAGCGATAGGCA	1699
M.kansasii	1701	AATCCGTCGCTCACAAATCCTGAGAGGTGACGCATAGCCGATTGAGGCGA	1750
NT47	1700	AATCCGTCGCTCACAAATCCTGAGAGGTGACGCATAGCCGATTGAGGCGA	1749
M.kansasii	1751	ATTCGGTGATCCTCTGCTGCCAAGAAAAGCCTCTAGCGAGCACACACACG	1800
NT47	1750	ATTCGGTGATCCTCTGCTGCCAAGAAAAGCCTCTAGCGAGCACACACACG	1799
M.kansasii	1801	GCCCGTACCCCAAACCGACACAGGTGGTCAGGTAGAGAATACCAAGGCGT	1850
NT47	1800	GCCCGTACCCCAAACCGACACAGGTGGTCAGGTAGAGAATACCAAGGCGT	1849
M.kansasii	1851	ACGAGATAACTATGGTTAAGGAACTCGGCAAAATGCCCCGTAACCTCGG	1900
NT47	1850	ACGAGATAACTATGGTTAAGGAACTCGGCAAAATGACCCCGTAACCTCGG	1899
M.kansasii	1901	GAGAAGGGGGACCGGAATACCGTGAACACCCTTGCGGTGGGAGCGGGATT	1950
NT47	1900	GAGAAGGGGGACCGGAATACCGTGAACACCCTTGCGGTGGGAGCGGGATT	1949
M.kansasii	1951	CGGTTCGCAGAAACCGAGTGAAGCGACTGTTTACTAAAAACACAGGTCCG	2000
NT47	1950	CGGTTCGCAGAAACCGAGTGAAGCGACTGTTTACTAAAAACACAGGTCCG	1999
M.kansasii	2001	TGCGAAGTCGCAAGACGATGTATACGGACTGACGCCTGCCCAGGTGCTGGA	2050
NT47	2000	TGCGAAGTCGCAAGACGATGTATAGGGCTGACGCCTGCCCAGGTGCTGGA	2049
M.kansasii	2051	AGGTTAAGAGGACCCGTTAACCCGCAAGGGTGAAGCGGAGAATTTAAGCC	2100
NT47	2050	AGGTTAAGAGGACCCGTTAACCCGCAAGGGTGAAGCGGAGAATTTAAGCC	2099
M.kansasii	2101	CCAGTAAACGGCGGTGGTAATAACCATCCTAAGGTAGCGAAATTCCT	2150
NT47	2100	CCAGTAAACGGCGGCCGTAATAACGGTCCTAAGGTAGCGAAATTCCT	2149
M.kansasii	2151	TGTCGGGTAAGTTCCGACCTGCACGAATGGCGTAACGACTTCTCAACTGT	2200
NT47	2150	TGTCGGGTAAGTTCCGACCCGCACGAAAGGCGTAACGACTTCTCAACTGT	2199
M.kansasii	2201	CTCAACCATAGACTCGGCGAAATTGCACTACGAGTAAAGATGCTCGTTAC	2250

NT47	2200	CTCAACCATAGACTCGGCGAAATTGCACTACGAGTAAAGATGCTCGTTAC	2249
M.kansasii	2251	GCGCGGCAGGACGAAAAGACCCCGGGACCTTCACTACAACCTGGTATTGG	2300
NT47	2250	GCGCGGCAGGACGAAAAGACCCCGGGACCTTCACTACAACCTGGTATTGG	2299
M.kansasii	2301	TGTTTCGGTACGGTTTGTGTAGGATAGGTGGGAGACTGTGAAACCTCAACG	2350
NT47	2300	TGTTTCGGTACGGTTTGTGTAGGANNNNNGGAGACTGTGAAACCTCAACG	2349
M.kansasii	2351	CCAGTTGGGGTGGAGTCGTTGTTGAAATACCACTCTGATCGTATTGGACA	2400
NT47	2350	CCAGTTGGGGTGGAGTCGTTGTTGAAATACCACTCTGATCGTATTGGACA	2399
M.kansasii	2401	CCTAACGTCGAACCCTGAATCGGGTTCACGGACAGTGCCTGGCGGGTAGT	2450
NT47	2400	CCTAACGTCGAACCCTGAATCGGGTTCACGGACAGTGCCTGGCGGGTAGT	2449
M.kansasii	2451	TTAACTGGGGCGGTTGCCTCCTAAAATGTAACGGAGGCGCCAAAGGTTT	2500
		.	
NT47	2450	TTGACTGGGGCGGTCGCCTCCTAAAGAGTAACGGAGGCGCTCAAAGGTTT	2499
M.kansasii	2501	CCTCAACCTGGACGGCAATCAGGTGGCGAGTGTAAGTGCACAAGGGAGCT	2550
NT47	2500	CCTCAACCTGGACGGCAATCAGGTGGCGAGTGTAAGTGCACAAGGGAGCT	2549
M.kansasii	2551	TGACTGCGAGACCTACAAGTCAAGCAGGGACGAAAGTCGGGACTAGTGAT	2600
NT47	2550	TGACTGCGAGACTTACAAGTCGAGCAGGGTCGAAAGTCGGGACTAGTGAT	2599
M.kansasii	2601	CCGGCACCTCTGAGTGGAAGGGGTGTCGCTCAACGGATAAAAGGTACCCC	2650
NT47	2600	CCGGCACCTCTGAGTGGAAGGGGTGTCGCTCAACGGATAAAAGGTACCCC	2649
M.kansasii	2651	GGGGATAACAGGCTGATCTTCCCCAAGAGTCCATATCGACGGGATGGTTT	2700
NT47	2650	GGGGATAACAGGCTTATCTCCCCAAGAGTTCACATCGACGGGAGGTTT	2699
M.kansasii	2701	GGCACCTCGATGTCGGCTCGTCGCATCCTGGGGCTGGAGCAGGTCCCAAG	2750
NT47	2700	GGCACCTCGATGTCGGCTCATCGCATCCTGGGGCTGTAGTCGGTCCCAAG	2749
M.kansasii	2751	GGTTGGGCTGTTTCGCCCATTAAGCGGCACGCGAGCTGGGTTTAGAACGT	2800
NT47	2750	GGTTGGGCTGTTTCGCCCATTAAGCGGTACGCGAGCTGGGTTTACAACGT	2799
M.kansasii	2801	CGTGAGACAGTTTCGGTCTCTATCCGCCGCGCGCTCAGAAGCTTGAGGAA	2850
NT47	2800	CGTGAGACAGTTTCGGTCCCTATCCGCCGCGCGCTCAGAAGCTTGAGGAA	2849
M.kansasii	2851	ACCTGTCCCTAGTACGAGAGGACCGGGACGGACGAACCTCTAGTGCACCA	2900
NT47	2850	ACCTGTCCCTAGTACGAGAGGACCGGGATGGACATACCTCTGGTGTACCA	2899
M.kansasii	2901	GTTGTCCCACCAGGGGCACCGCTGGATAGCTACGTTTCGGACAGGATAACC	2950
NT47	2900	GTTGTCCCACCAGGGGCACCGCTGGATAGCTACGTTTCGGACAGGATAACC	2949
M.kansasii	2951	GCTGAAAGCATCTAAGCGGGAAACCTTCTCCAAGATCAGGCTTCTCACCC	3000
NT47	2950	GCTGAAAGCATCTAAGCGGGAAACCTTCTCCAAGATCAGGCTTCTCACCC	2999
M.kansasii	3001	ACTTGGTGGGATAAGGCCCGCAGAACACGGGTTTCGATAGGCCAGACC	3050

NT47	3000	ACTTGGTGGGATAAGGCCCCCGCAGAACACGGGTTCGATAGGCCAGACC	3049
M.kansasii	3051	TGGAAGCTCAGTAATGAGTGAAGGGAAGTGGCACTAACCGGCCGAAAAGT	3100
NT47	3050	TGGAAGCTCAGTAATGAGTGAAGGGAAGTGGCACTAACCGGCCGAAAAGT	3099
M.kansasii	3101	TACCAACACAAATAATCG	3118
NT47	3100	TACCAACACAAATAATCG	3117