Please add this additional target (6/1/18)

> Rv2512c insertion sequence element IS1081 transposase

ATGACCTCTTCTCATCTTATCGACACCGAGCAGCTTCTGGCTGACCAACTCGCACAGGCGAGCCCGGATCTGCTGCGCGGGCTGCTCTCGACGTTCATCGCCGCCTTGATGGGGGCTGAAGCCGACGCCCTGTGCGGGGCGGGCTACCGCGAACGCAGCGATGAGCGGTCCAATCAGCGCAACGGCTACCGCCACCGTGATTTCGACACCCGTGCCGCAACCATCGACGTCGCGATCCCCAAGCTGCGCCAGGGCAGCTATTTCCCGGACTGGCTGCTGCAGCGCCGCAAGCGAGCTGAACGCGCACTGACCAGCGTGGTGGCGACCTGCTACCTGCTGGGAGTATCCACTCGCCGGATGGAGCGCCTGGTCGAAACACTTGGTGTGACAAAGCTTTCCAAGTCGCAAGTGTCGATCATGGCCAAAGAGCTCGACGAAGCCGTAGAGGCGTTTCGGACCCGCCCGCTCGATGCCGGCCCGTATACCTTCCTCGCCGCCGACGCCCTGGTGCTCAAGGTGCGCGAGGCAGGCCGCGTCGTCGGAGTGCACACCTTGATCGCCACCGGCGTCAACGCCGAGGGCTACCGAGAGATCCTGGGCATCCAGGTCACCTCCGCCGAGGACGGGGCCGGCTGGCTGGCGTTCTTCCGCGACCTGGTCGCCCGCGGCCTGTCCGGGGTCGCGCTGGTCACCAGCGACGCCCACGCCGGCCTGGTGGCCGCGATCGGCGCCACCCTGCCCGCAGCGGCCTGGCAGCGCTGCAGAACCCACTACGCAGCCAATCTGATGGCAGCCACCCCGAAGCCCTCCTGGCCGTGGGTGCGCACCCTGCTGCACTCCATCTACGACCAGCCCGACGCCGAATCAGTTGTTGCCCAATATGATCGGGTACTCGACGCTCTGACCGACAAACTCCCCGCGGTGGCCGAGCACCTCGACACCGCCCGCACCGACCTGCTGGCGTTCACCGCCTTCCCCAAGCAGATCTGGCGCCAAATCTGGTCCAACAACCCCCAGGAACGCCTCAACCGAGAGGTACGACGCCGAACCGACGTCGTGGGCATCTTCCCCGACCGCGCCTCGATCATCCGCCTCGTCGGAGCCGTCCTCGCCGAACAACACGACGAATGGATCGAAGGACGGCGCTACCTGGGCCTCGAGGTCCTCACCCGAGCCCGAGCAGCACTGACCAGCACCGAAGAACCCGCCAAGCAGCAAACCACCAACACCCCAGCACTGACCACCTAG

Existing MTB (and a few other mycobacterial) targets:

1. AAC(2')-Ic-[Mycobacterium-tuberculosis-H37Rv]
2. Erm(37)-[Mycobacterium-tuberculosis-H37Rv]
3. Erm(41)-[Mycobacterium-abscessus]
4. TLE-beta-lactamase-[Mycobacterium-fortuitum]
5. arr-1-[Mycobacterium-smegmatis]
6. flash\_key:ddn\_\_NC\_000962.3\_\_delamanid\_additional
7. efpA-[Mycobacterium-tuberculosis-H37Rv]
8. Mycobacterium-tuberculosis-embA-mutant-conferring-resistance-to-ethambutol-[Mycobacterium-tuberculosis-H37Rv]
9. Mycobacterium-tuberculosis-embB-mutants-conferring-resistance-to-rifampicin-[Mycobacterium-tuberculosis-CDC1551]
10. Mycobacterium-tuberculosis-embB-mutations-conferring-resistance-to-ethambutol-[Mycobacterium-tuberculosis-H37Rv]
11. Mycobacterium-bovis-embB-mutations-conferring-resistance-to-ethambutol-[Mycobacterium-bovis-AF2122/97]
12. Mycobacterium-tuberculosis-mutant-embC-conferring-resistance-to-ethambutol-[Mycobacterium-tuberculosis-H37Rv]
13. Mycobacterium-tuberculosis-embR-mutant-conferring-resistance-to-ethambutol-[Mycobacterium-tuberculosis-H37Rv]
14. Mycobacterium-tuberculosis-ethA-with-mutation-conferring-resistance-to-ethionamide-[Mycobacterium-tuberculosis-CDC1551]
15. fbiC\_\_NC\_000962.3\_\_delamanid\_additional
16. flash\_key:fbiB\_\_NC\_000962.3\_\_delamanid\_additional
17. flash\_key:fdg1\_\_NC\_000962.3\_\_delamanid\_additional
18. flash\_key:fdg2\_\_NC\_000962.3\_\_delamanid\_additional
19. Mycobacterium-tuberculosis-folC-with-mutation-conferring-resistance-to-para-aminosalicylic-acid-[Mycobacterium-tuberculosis-H37Rv]
20. Mycobacterium-leprae-folP-with-mutation-conferring-resistance-to-dapsone-[Mycobacterium-leprae-TN]
21. Mycobacterium-tuberculosis-gidB-mutation-conferring-resistance-to-streptomycin-[Mycobacterium-tuberculosis-H37Rv]
22. Mycobacterium-tuberculosis-gyrA-conferring-resistance-to-fluoroquinolones-[Mycobacterium-tuberculosis-H37Rv]
23. Mycobaterium-leprae-gyrA-conferring-resistance-to-fluoroquinolones-[Mycobacterium-leprae-TN]
24. Mycobacterium-leprae-gyrB-conferring-resistance-to-fluoroquinolone-[Mycobacterium-leprae-TN]
25. Mycobacterium-tuberculosis-gyrB-mutant-conferring-resistance-to-fluoroquinolone-[Mycobacterium-tuberculosis-H37Ra]
26. Mycobacterium-tuberculosis-inhA-mutations-conferring-resistance-to-isoniazid-[Mycobacterium-tuberculosis-H37Rv]
27. Mycobacterium-tuberculosis-iniA-mutant-conferring-resistance-to-Ethambutol-[Mycobacterium-tuberculosis-H37Rv]
28. Mycobacterium-tuberculosis-iniB-with-mutation-conferring-resistance-to-ethambutol-[Mycobacterium-tuberculosis-H37Rv]
29. Mycobacterium-tuberculosis-iniC-mutant-conferring-resistance-to-ethambutol-[Mycobacterium-tuberculosis-H37Rv]
30. Mycobacterium-tuberculosis-kasA-mutant-conferring-resistance-to-isoniazid-[Mycobacterium-tuberculosis-H37Rv]
31. Mycobacterium-tuberculosis-katG-mutations-conferring-resistance-to-isoniazid-[Mycobacterium-tuberculosis-H37Rv]
32. lrfA-[Mycobacterium-smegmatis-str.-MC2-155]
33. mfpA-[Mycobacterium-tuberculosis-H37Rv]
34. mtrA-[Mycobacterium-tuberculosis-H37Rv]
35. Mycobacterium-tuberculosis-intrinsic-murA-conferring-resistance-to-fosfomycin-[Mycobacterium-tuberculosis-UT205]
36. Mycobacterium-tuberculosis-ndh-mutant-conferring-resistance-to-isoniazid-[Mycobacterium-tuberculosis-H37Rv]
37. Mycobacterium-tuberculosis-pncA-mutations-conferring-resistance-to-pyrazinamide-[Mycobacterium-tuberculosis-H37Rv]
38. Mycobacterium-tuberculosis-ribD-with-mutation-conferring-resistance-to-para-aminosalicylic-acid-[Mycobacterium-tuberculosis-H37Rv]
39. Mycobacterium-tuberculosis-rpoB-mutants-conferring-resistance-to-rifampicin-[Mycobacterium-tuberculosis-H37Rv]
40. Mycobacterium-tuberculosis-rpsL-mutations-conferring-resistance-to-Streptomycin-[Mycobacterium-tuberculosis-CDC1551]
41. tap-[Mycobacterium-fortuitum]
42. tet(V)-[Mycobacterium-smegmatis-str.-MC2-155]
43. Mycobacterium-tuberculosis-thyA-with-mutation-conferring-resistance-to-para-aminosalicylic-acid-[Mycobacterium-tuberculosis-H37Rv]
44. Mycobacterium-tuberculosis-tlyA-mutations-conferring-resistance-to-aminoglycosides-[Mycobacterium-tuberculosis-CDC1551]
45. tsnr-[Mycobacterium-tuberculosis-H37Rv]

NEW MTB Targets

>16s rrna MYCOBACTERIUM TUBERCULOSIsH37RV|RRNA|MTB000019|1471846 1473382|+|RRS|DOWNSTREAM:0|UPSTREAM:0

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TTTTGTTTGGAGAGTTTGATCCTGGCTCAGGACGAACGCTGGCGGCGTGCTTAACACATGCAAGTCGAACGGAAAGGTCTCTTCGGAGATACTCGAGTGGCGAACGGGTGAGTAACACGTGGGTGATCTGCCCTGCACTTCGGGATAAGCCTGGGAAACTGGGTCTAATACCGGATAGGACCACGGGATGCATGTCTTGTGGTGGAAAGCGCTTTAGCGGTGTGGGATGAGCCCGCGGCCTATCAGCTTGTTGGTGGGGTGACGGCCTACCAAGGCGACGACGGGTAGCCGGCCTGAGAGGGTGTCCGGCCACACTGGGACTGAGATACGGCCCAGACTCCTACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGGGGGATGACGGCCTTCGGGTTGTAAACCTCTTTCACCATCGACGAAGGTCCGGGTTCTCTCGGATTGACGGTAGGTGGAGAAGAAGCACCGGCCAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGAGCTCGTAGGTGGTTTGTCGCGTTGTTCGTGAAATCTCACGGCTTAACTGTGAGCGTGCGGGCGATACGGGCAGACTAGAGTACTGCAGGGGAGACTGGAATTCCTGGTGTAGCGGTGGAATGCGCAGATATCAGGAGGAACACCGGTGGCGAAGGCGGGTCTCTGGGCAGTAACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGGTGGGTACTAGGTGTGGGTTTCCTTCCTTGGGATCCGTGCCGTAGCTAACGCATTAAGTACCCCGCCTGGGGAGTACGGCCGCAAGGCTAAAACTCAAAGGAATTGACGGGGGCCCGCACAAGCGGCGGAGCATGTGGATTAATTCGATGCAACGCGAAGAACCTTACCTGGGTTTGACATGCACAGGACGCGTCTAGAGATAGGCGTTCCCTTGTGGCCTGTGTGCAGGTGGTGCATGGCTGTCGTCAGCTCGTGTCGTGAGATGTTGGGTTAAGTCCCGCAACGAGCGCAACCCTTGTCTCATGTTGCCAGCACGTAATGGTGGGGACTCGTGAGAGACTGCCGGGGTCAACTCGGAGGAAGGTGGGGATGACGTCAAGTCATCATGCCCCTTATGTCCAGGGCTTCACACATGCTACAATGGCCGGTACAAAGGGCTGCGATGCCGCGAGGTTAAGCGAATCCTTAAAAGCCGGTCTCAGTTCGGATCGGGGTCTGCAACTCGACCCCGTGAAGTCGGAGTCGCTAGTAATCGCAGATCAGCAACGCTGCGGTGAATACGTTCCCGGGCCTTGTACACACCGCCCGTCACGTCATGAAAGTCGGTAACACCCGAAGCCAGTGGCCTAACCCTCGGGAGGGAGCTGTCGAAGGTGGGATCGGCGATTGGGACGAAGTCGTAACAAGGTAGCCGTACCGGAAGGTGCGGCTGGATCACCTCCTTTCT

AAGGAGCACCACGAAAACGCCCCAACTGGTGGGGCGTAGGCCGTGAGGGGTTCTTGTCTGTAGTGGGCGAGAGCCGGGTGCATGACAACAAAGTTGGCCA

> GROEL2 MYCOBACTERIUM TUBERCULOSIS H37RV|CDS|RV0440|528608-530230|+|GROEL2|DOWNSTREAM:0|UPSTREAM:0

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> IS6110 AL123456.3:889072-889398 MYCOBACTERIUM TUBERCULOSIS H37RV COMPLETE GENOME PUTATIVE TRANSPOSASE FOR INSERTION SEQUENCE ELEMENT (FRAGMENT)

AACCGACTCCACTCTAGCTAGTGATACAAGCTTTTTTGTAGCCGCGCGATGAACCGCCCCGGCATGTCCGGAGACTCCAGTTCTTGGAAAGGATGGGGTC

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