

Supplementary information

Table S1

Oligonucleotide primers used in this study ^a

Primers ^a	Sequence (5'-3')	Reference
FPpks2RT	GTTGTGGAAGGCGTTGTTAC	This work
RPpks2RT	GTCGTAGAACTCGTCGCAAT	This work
FPmsl3RT	GTGAAAACAAACTTCGGTCAC	This work
RPmsl3RT	ACAAAGAGTTCAGTGTCAATCTCAG	This work
FPsigART	ACTTTGCTGCAGGATCAACT	This work
RPsigART	AACTTCGACATAGTCTTGGATTC	This work
pks2PEx	AGCCAACGTCCATGCACCCCTATC	This work
msl3PEx	GAATCTCACCCACCAAATCGTCGCCCG	This work
FPpks2up1	AATAATGGATCCGAAGCGTCAGACTACCGG	This work
RPpks2up1	AATAATGGTACCTATCTGCACCAGTGCCTG	This work
FPpks2up2	AATAATGGATCCCCATGCCACGACAAACC	This work
RPpks2up2	AATAATGGTACCTCTTTGGTGGCTCTTTAG	This work
FPpks2up3	AATAATGGATCCGCTTAGAACTAAAGAGCC	This work
RPpks2up3	AATAATGGTACCGCCGCCGACCCCAAGCCC	This work
FPphoPup	GTTATTGGATCCCTGGCCAGCCGGTTG	This work and (38)
RPphoP	GGTGGTGGTACCTCAGTGGTGGTGGTGGTGGTGTGCGAG GCTCCCG	This work
FPphoPD71N	GTGATCCTCAACGTGATGATGCCC	This work and (39)
RPphoPD71N	CATCATCACGTTGAGGATCACCGC	This work and (39)
FPmsl3up1	GTTATTGGATCCCCTTTTGGCTCTGCT	This work
RPmsl3up1	GTTCATGGTACCCGCCCGGGAGCCGGC	This work
FPmsl3up2	GGTGGTGGATCCTGCATGCTGCTGTGG	This work
RPmsl3up2	GTTGTTGGTACCCTGTTGTGGGACTTG	This work
FPmsl3up3	GGTGGTGGATCCATGTGTTCTTCGTCG	This work
RPmsl3up3	GTTGTTGGTACCCAGCACGACGAAGAA	This work
FPmsl3up4	GGTGGTGGATCCCCTACGACGTCTGGT	This work
phoPstart	GTTTGCCATATGCGGAAAGGGGTTGAT	This work and (38)
MphoPstop	GGTGGTCTGCAGTCAGTGGTGGTGGTGGTGGTGTGCGAG GCTCCCGCAG	This work
FPpks2sDR2	TTCGATGTAGCTGTTGAGGGTTGGGCTCTTTAGTTCT	This work
RPpks2sDR2	AGAACTAAAGAGCCCAACCCTCAACAGCTACATCGAA	This work
FPmsl3sDR2	TCTGGTAGCGGCATGGCCATTAAGTTGAGTTGGCT	This work
RPmsl3sDR2	AGCCAACCTCAACTTAATGGGCCATGCCGCTACCAGA	This work

^aFP, forward primer; RP, reverse primer

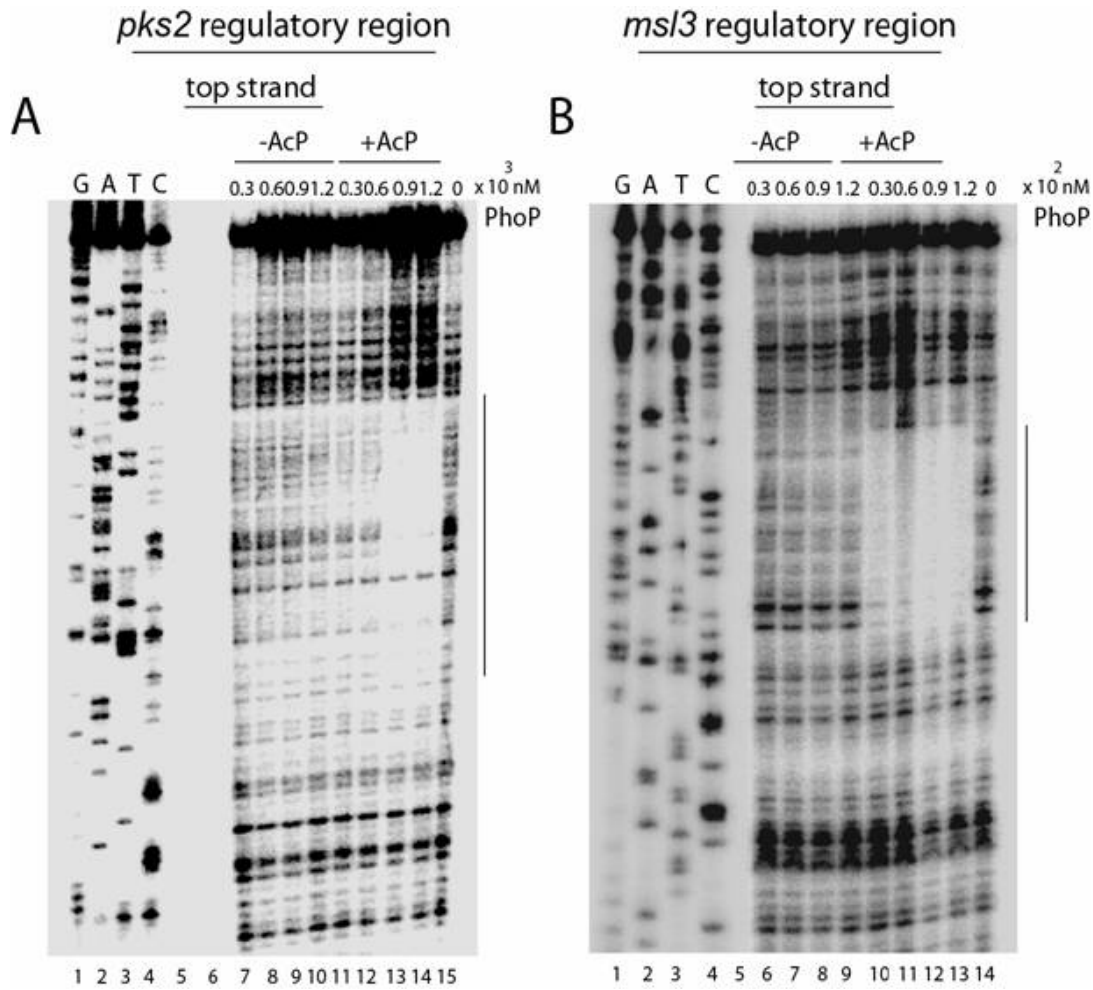


Figure S1. DNase I protection mapping of PhoP binding to *pks2* and *msl3* regulatory region(s). \approx 50 fmol of A. *pks2up3* and B. *msl3up4* fragments each carrying the label at the top strands were incubated with increasing concentrations of PhoP pre-incubated in phosphorylation mix in absence (*lanes 7-10* for *pks2up3*; *lanes 6-9* for *msl3up4*) or presence of AcP (*lanes 11-14* for *pks2up3*; *lanes 10-13* for *msl3up4*), and in absence of PhoP protein (*lane 15* for *pks2up3*, and *lane 14* for *msl3up4*), respectively prior to digestion with DNaseI as described in the Experimental procedures. G, A, T and C designate the DNA sequencing ladder generated for each strand. The protected regions on each of the top strands are indicated by *vertical lines*.

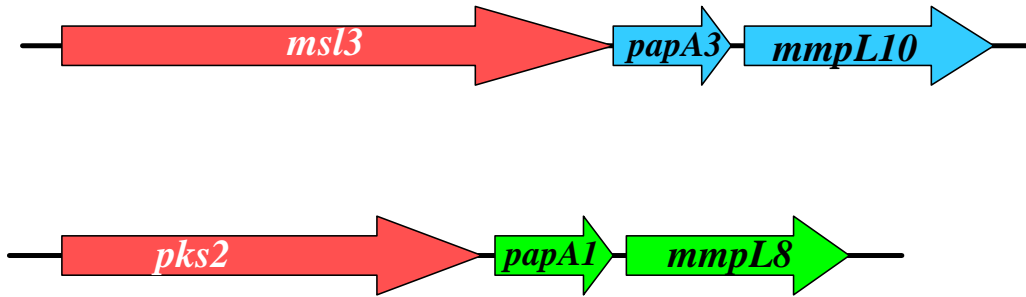


Figure S2. Genetic organization of *pks2* and *msl3* gene clusters of *M. tuberculosis*. For both clusters, the intergenic region(s) are relatively short and thus, unlikely to include important regulatory regions, suggesting that the genes are part of the respective operon(s).