Figure S1

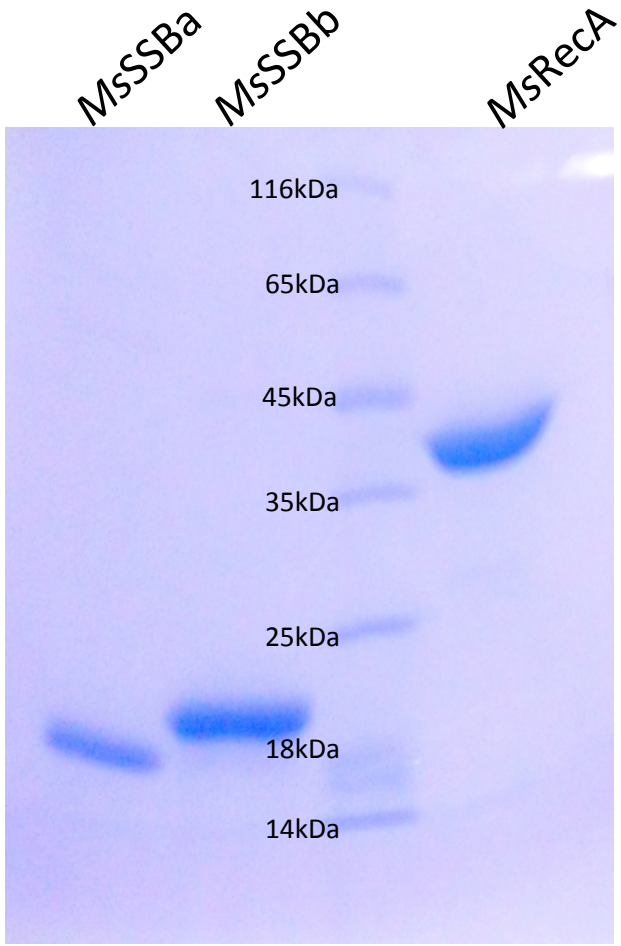
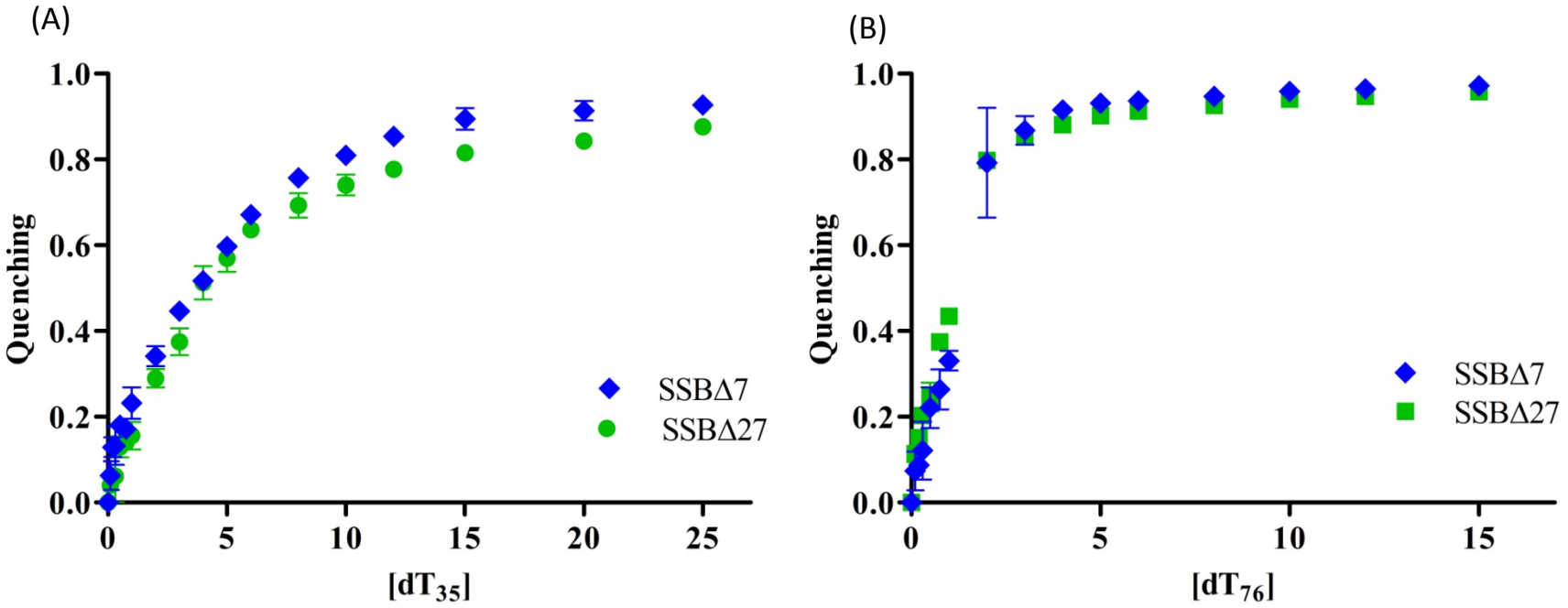


Figure S1: SDS PAGE analysis of purified proteins used in the study.



	SSBbΔ7	SSBbΔ27
K_a35 (μM)	3.95(±0.30)	4.58(±0.33)

	SSBbΔ7	SSBbΔ27
K_a76 (μM)	1.59(±0.24)	1.17 (±0.10)

Figure S2: Fluorescence studies on truncated SSBb-DNA binding. Titration of 10 μM SSBbΔ7 or SSBbΔ27 with increasing concentrations of poly-dT_{35} (A), or poly-dT_{76} (B) in $T_{20}N_{200}$ [20 mM Tris-HCl pH 8.0, 200 mM NaCl]. [dT_{35}] or [dT_{76}] represent the concentration of DNA. K_a35 and K_a76 represent the equilibrium DNA binding constant of poly-dT35 and poly-dT76.

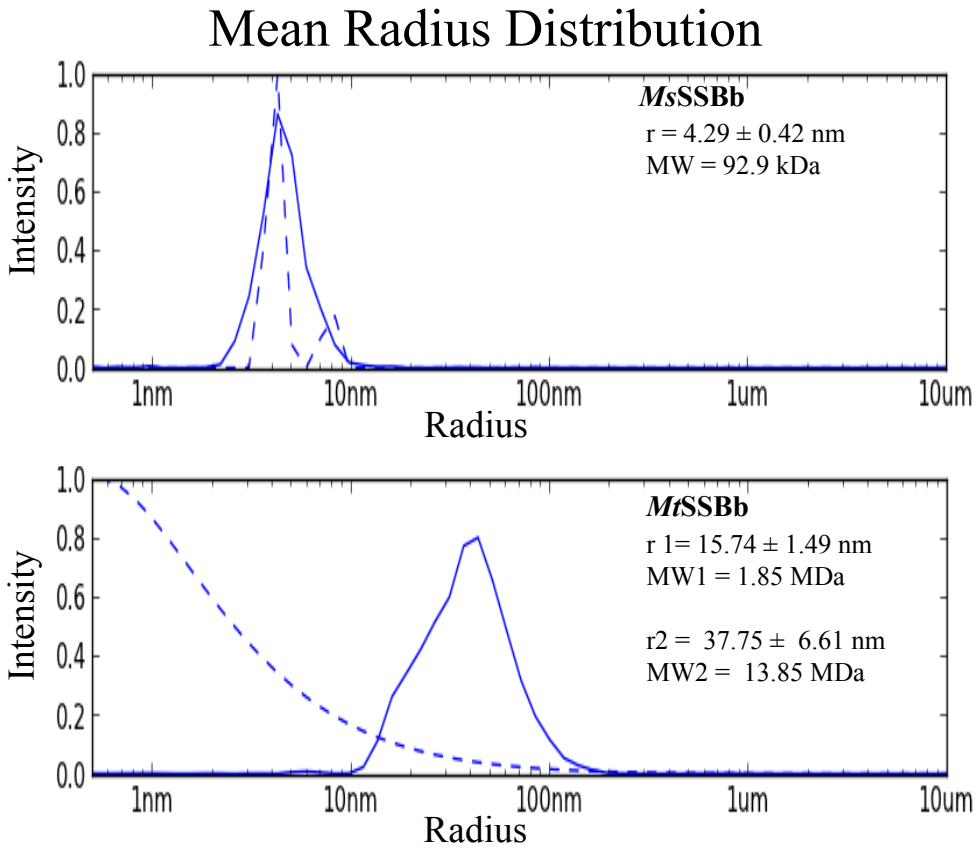


Figure S3: Dynamic Light Scattering plot of mycobacterial SSBb. DLS was carried using Spectrosize 300 (Molecular Dimension). Mean radius distribution plots, showing the probable radius and molecular weight of the following are shown: (A) *Ms*SSBb-7mg/ml (B) *Mt*SSBb-1mg/ml. Each sample was subjected to 25 readings. Radius distribution plots show a narrow continuous streak for *Ms*SSBb, while the map is broad and slightly discontinuous for *Mt*SSBb.

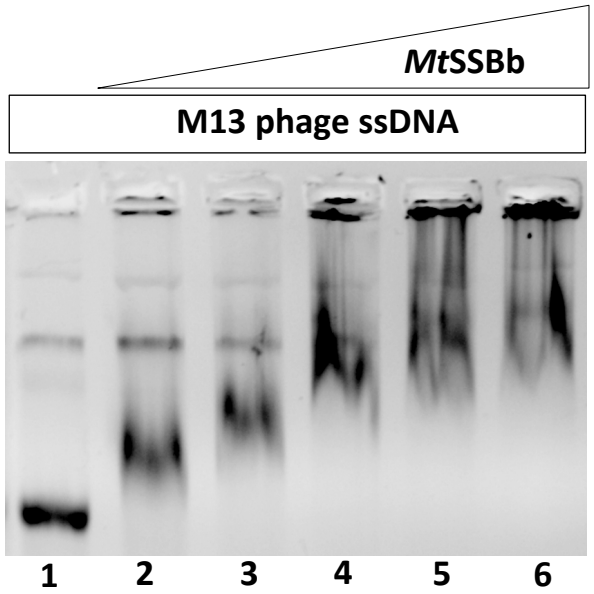


Figure S4: Analysis of M13 ssDNA binding to *Mt*SSBb. M13 ssDNA (250 ng) was incubated with *Mt*SSBb (0, 100, 200, 500, 1000, 2000 nmol, lanes 1-6, respectively) in a binding buffer. Reaction mixtures were electrophoresed on 1 % agarose gel (containing EtBr) in 1X TBE. The gel was visualized under UV light.

Table S1: Primer information for gene cloning

*Ms*SSBb forward primer	CGTACATATGAACATGTTCGAGACACCGTTCACTG
*Ms*SSBb reverse primer	TGAGAAGCTTCTACGCCGTCAGTGGCAGC
*Ms*SSBb Δ7 reverse primer	TGAGAAGCTTCTAGCCGGCGAGGTCGGCGACG
*Ms*SSBb Δ27 reverse primer	TGAGAAGCTTCTAGCGGTCGACGTCATCATCGGGAACG
*Ms*SSBa forward primer	AGCTACATATGGCTGGTGACACCACCATCACCGTT
*Ms*SSBb reverse primer	AGCTAAAGCTTCTAGAAGGGCGGTTCGTCGTCAG
*Ms*RecA LIC forward primer	TACTTCCAATCCAATGCAATGGCGCAGCAGGCCC
*Ms*RecA LIC reverse primer	TTATCCACTTCCAATGTTATTAGAAGTCAACCGGG

The restriction enzymes sites added are underlined. Stop codon is colored in red.

Table S2: Primer information for RT-PCR

Gene	Size of Amplicon (bp)	Forward Primer	Reverse Primer
ssbB (MSMEG_4701)	102	ATGTTCGAGACACCGTTCAC	AATTGCTGGCCACCCGGAAC
ssbA (MSMEG_6896)	124	TGGCTGGTGACACCACCATC	CCAGAGCGGTGAATGGAAAG
sigA (MSMEG_2758)	110	ACCGACGACCTTGAGGTGAC	TTCTTCCTCGTCCTCGACTG
hspX (MSMEG_0424)	124	TTGGGTGCGGGACTTCTTCG	TCCTTGCCGACATCCACACC