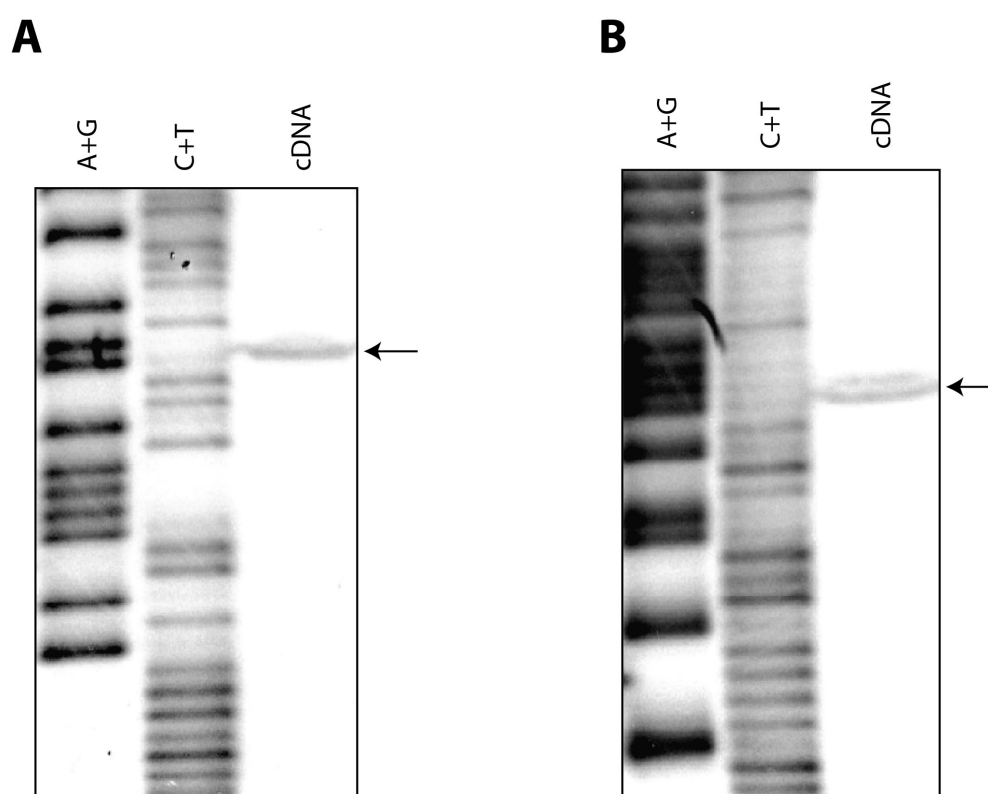


**Figure S9. Primer extension analysis for TSS determination.** This was performed for (A) *Sso0049* and (B) *Sso2343 (mtaP)*, genes for which high-affinity Ss-LrpB binding sites have been identified in the respective promoter regions *in vitro* but not *in vivo*. For primer extension experiments, RNA was extracted from a *S. solfataricus* P2 culture during the stationary growth phase using the Trizol reagent and reverse transcriptase primer extension analysis was performed as described before (Enoru-Eta *et al.*, 2002). In each experiment, 100 µg RNA was used. Oligonucleotides (Sigma-Aldrich) that were used for the primer extension analyses are given in Additional file 2: Table S1. Reference ladders were generated by chemical sequencing (Maxam & Gilbert, 1980). TSSs, determined by this experiment, are indicated on the corresponding sequences in Figure 5D and Additional file 11: Figure S7C. Adjustments were made since the DNA fragment migrates 1.5 positions higher as compared to the sequence ladder, explained by the molecular differences on the 3' end residues generated by chemical sequencing on the one hand or the reverse transcription reaction on the other hand.



## References

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