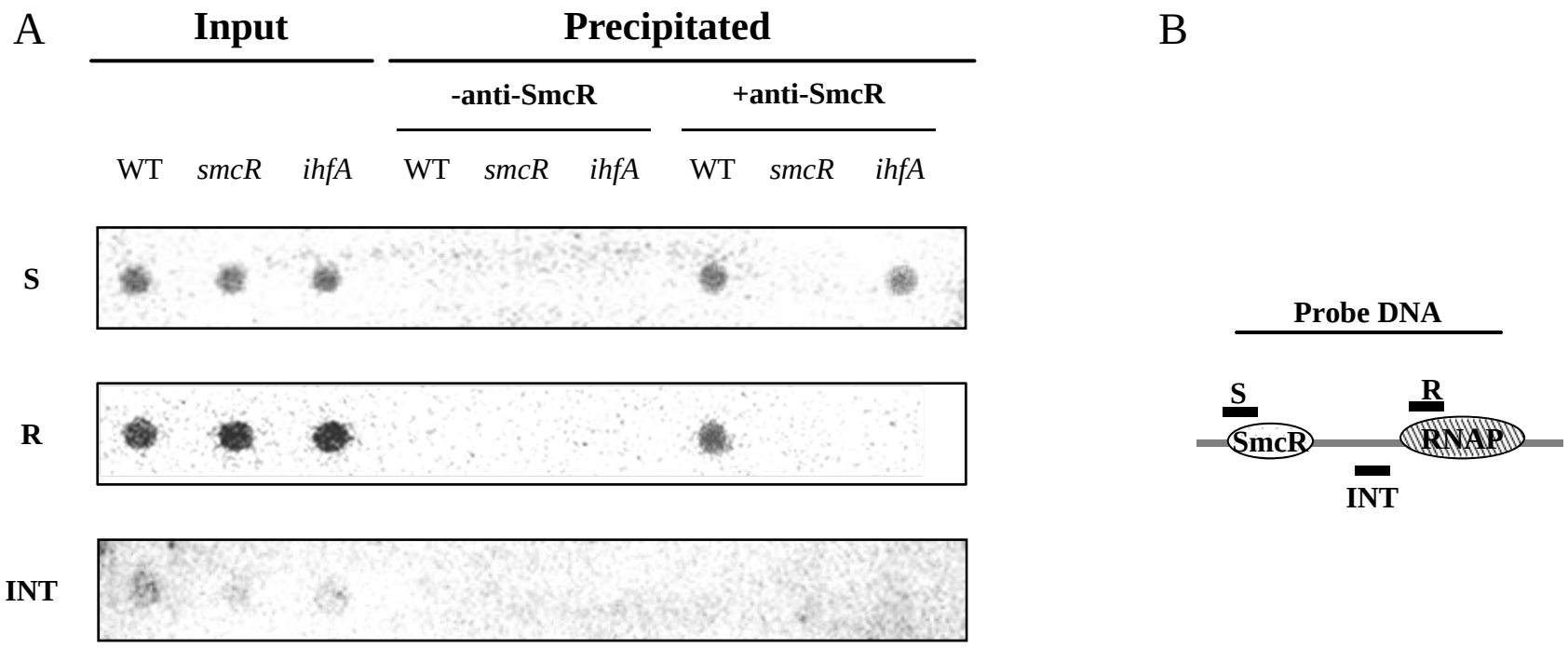
Supplemental Figure 1.



Supplemental Figure 1. The cells were cross-linked, washed, then sonicated to produce sheared chromatin as described in (Materials and Methods. DNase I was added to the sheared chromatins to reduce their average sizes. The DNA was purified from the DNase I treated chromatin fragments before precipitation (input, positive control) and after precipitation in the presence (+) or absence (−) of the anti-SmcR antibody. (A) The presence of the specific DNA fragment in the chromatin precipitate was analyzed by Southern dot blot analyses. The DNA was transferred to a NYLON membrane (Roche, Indianapolis, IN) and then hybridized with the ^{32}P-labeled oligonucleotide probes, S, R, and INT, as indicated. The probes were labeled using [γ-^{32}P]ATP as described previously (28). (B) The locations of each DNA probe used for the Southern dot blot analyses are depicted by closed bars. Nucleotide sequences for S, 5'-CATTTATCTTATTGATAAA-3'; INT, 5'-GAGATGGATTCTTTGTATA-3'; R, 5'-AACATTTTTTTGGTGAAGTTG-3'