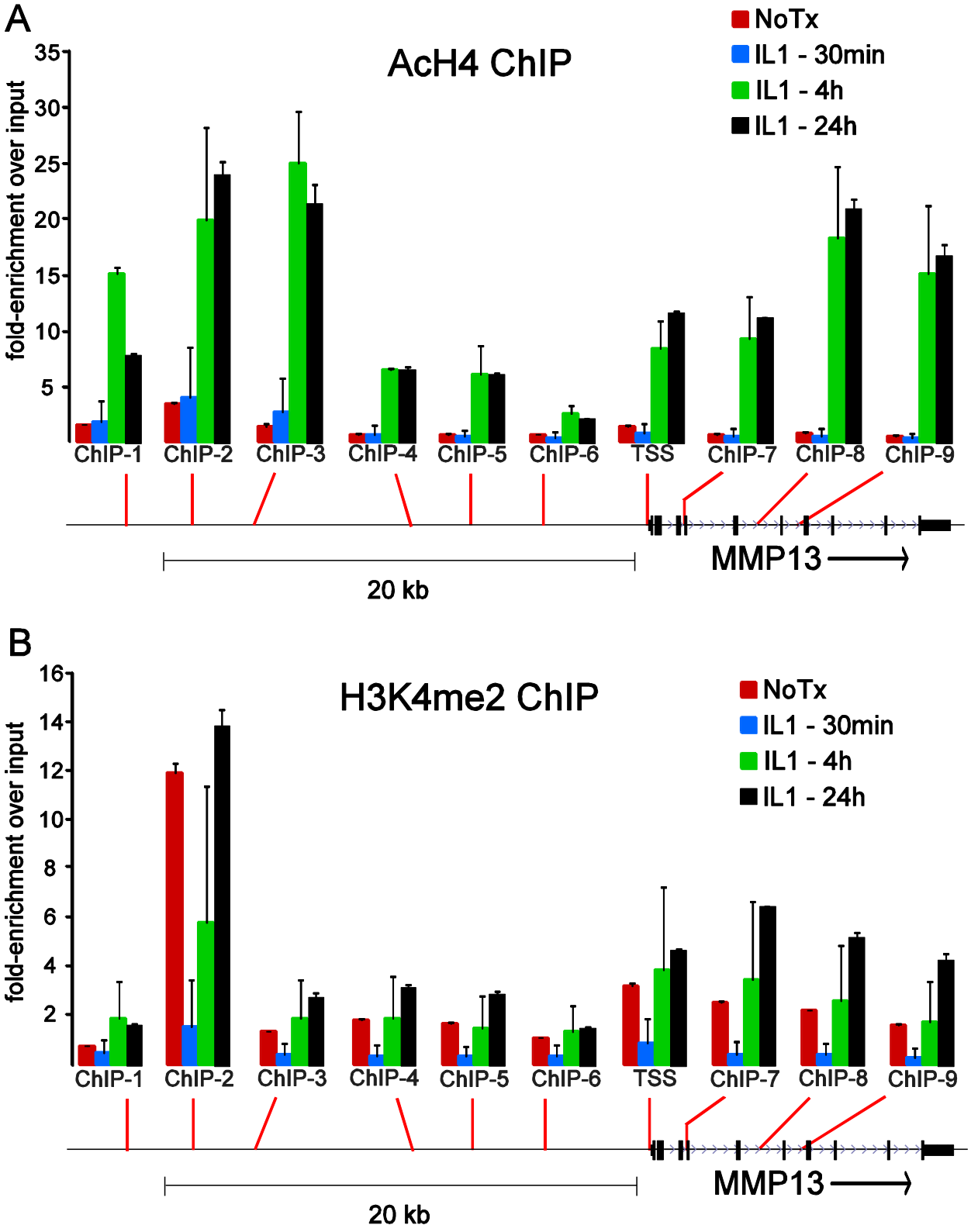
Supplemental Figure 1



Supplemental Figure 1. Time course of AcH4 and H3K4me2 ChIP in SW1353 cells stimulated with IL-1β. Chromatin for ChIP assays was isolated from SW1353 chondrosarcoma cells that were treated with IL-1β at 1ng/ml in serum-free media for 30 minutes, 4 hours, or 24 hours; untreated cells were used as a control. Chromatin was crosslinked with 1% formaldehyde and then sonicated to an average size of 500 bp. Sonicated chromatin was incubated with antibodies to either A) AcH4 or B) H3K4me2, and antibody-bound chromatin was immunoprecipitated with protein A- and protein G-conjugated magnetic beads. Immunoprecipitated chromatin was purified and used as the template in qPCR using primers indicated in Figure 1. The data indicate fold-enrichment of the qPCR signal of immunoprecipitated DNA (normalized to total immunoprecipitated DNA as quantified by PicoGreen quantification [Invitrogen]) relative to the qPCR signal of input DNA (normalized to amount of input DNA as quantified by PicoGreen). Results are presented as the mean and standard deviation of independent experimental triplicates and qPCR duplicates.