





Figure S2. Validation of the ChIP-Seq results by site-specific ChIP. Normal IgG was used as a negative control. At each locus tested, the level in the control was set as 1 and that in the KO cells was expressed as fold of change over the control. Results shown were average of three experiments. Error bar: s.e.m.



Figure S3. IGB view of twin-peak Nelf-b binding regions. Arrows indicate the transcription direction.



Figure S4. IGB view of single-peak Nelf-b binding regions. Arrows indicate transcription direction. Note that, despite the complex binding pattern of Nelf-b at the Rpl29 promoter, our algorithm classified it as a single-peak Nelf-b binding region.



Figure S5. Characterization of TSS-US RNA. (A) Confirmation of the RNA-specific signal in qRT-PCR. cDNA was prepared from total RNA samples with random primers in the presence (+ RT) or absence (- RT) of reverse transcriptase. Real-time PCR was carried out with primers located in TSS-US of the corresponding genes. The level of 18s rRNA was used for normalization. In each case, the level of the "-RT" signal was set as one. The result indicates that the signals detected in the +RT samples are unlikely due to genomic DNA contamination in the RNA samples. (B) Comparison of RNA levels between the TSS-US and -DS regions. RNA levels in TSS-US and -DS regions. RNA levels in TSS-US and -DS regions were determined in the same manner as (A), in the presence of reverse transcriptase. The ratio between TSS-DS and -US levels is presented here. Results shown here are average of three experiments. Error bar: s.e.m.



