

**Figure S8. H3K27me3 profiles of *GAPDH* and *18s rRNA*.**

(A) The H3K27me3 enrichment of ChIP-seq for bovine *GAPDH* gene was shown in four individuals (C1, C2, C3 and C4). The *P1* site of negative control was indicated (line boxes), which locates in upstream 500bp of transcription start site (TSS: 110663704) of the gene..

(B) The H3K27me3 enrichment of ChIP-seq for bovine *18s rRNA* gene was shown. The *P1* site of negative control was indicated (line boxes), which locates in upstream 300bp of transcription start site (TSS: 18278744).

(C-D) Real-time PCR results showing enrichment of indicated two sites of *GAPDH* (C) and *18s rRNA* (D) in H3K27me3 ChIP-seq results carried out in the four cows. Y axis represents the crossing point values of real-time qPCR in the P1 sites of *GAPDH* and *18s rRNA*. The results showed no significant difference between experiments (ChIP DNA samples) and references (input DNA samples).