**Descriptions of Additional Supplementary Data files**

Supplementary Data 1: RUVBL2 and RPB1 ChIP-MS data summary

Supplementary Data 2: Quality matrix for sequencing data in this study

Supplementary Data 3: RNA-Seq expression summary

Supplementary Data 4: RUVBL1 and RUVBL2 ChIP-Seq peaks in this study

Supplementary Data 5: Public data used in this study

Supplementary Data 6: Oligos used in this study