

## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Genes with sppRNA detected at 22C and GO-term enrichment results.

File Name: Supplementary Data 2

Description: Oligonucleotides used in the study.

File Name: Supplementary Data 3

Description: Genome coordinates of all sppRNAs clusters per TIF-Seq dataset.