Description of additional supplementary information

Title: Supplementary Data 1

Description: Differential gene expression (DGE) analysis of SMG7 KO + different KD RNA-seq data using DESeq2

Title: Supplementary Data 2

Description: Alternative splicing (AS) analysis of SMG7 KO + different KD RNA-seq data using LeafCutter

Title: Supplementary Data 3

Description: Differential transcript usage (DTU) analysis of SMG7 KO + different KD RNA-seq data using IsoformSwitchAnalyzeR

Title: Supplementary Data 4

Description: Label-free mass spectrometry analysis after coimmunoprecipitation of FLAG-tagged control or SMG5 proteins

Title: Supplementary Data 5

Description: Label-free mass spectrometry analysis after streptavidin-enrichment of biotinylated proteins in TurboID-control or -UPF1 expressing cell lines

Title: Supplementary Data 6

Description: List of cell lines, plasmids, antibodies, primers and siRNAs used in this study