

Description of Additional Supplementary Files

Supplementary Dataset 1:

Mass spectrometry analysis of PHF3 interactome in HEK293T cells.

Supplementary Dataset 2:

ChIP-seq of PHF3-GFP, Pol II F-12, pS2, pS5, pS7, TFIIIS and H3K27me3 in PHF3 WT, KO and Δ SPOC HEK293T cells.

Supplementary Dataset 3:

PRO-seq and RNA-seq analysis in PHF3 WT, KO and Δ SPOC HEK293T cells.

Supplementary Dataset 4:

PRO-seq analysis of elongation rate in PHF3 WT, KO and Δ SPOC HEK293T cells.

Supplementary Dataset 5:

SLAM-seq analysis in PHF3 WT, KO and Δ SPOC HEK293T cells.

Supplementary Dataset 6:

RNA-seq analysis in mPHF3 WT and KO mES cells.

Supplementary Dataset 7:

Raw data for graphs, plots, gels and western blots shown in main and supplementary figures.