

## Description of Additional Supplementary Files

File name: Supplementary Data 1

**Description:** Differentially expressed genes in *Cryptococcus neoformans* KN99α and knockout strains.

File name: Supplementary Data 2

Description: Enriched GO terms and KEGG pathways in H1.52Δ transcriptome

File name: Supplementary Data 3

Description: Annotated chip seq H3K9me2 and H3K4me2 peaks called in strains.

File name: Supplementary Data 4

Description: Primers used in this study for generating complimented strains and for PCR.

File name: Supplementary Data 5

Description: Nucleic acid quality assessment. RIN/DIN values and TapeStation electropherogram profiles for RNA and ChIP-DNA samples submitted for sequencing.

File name: Supplementary Data 6

Description: RNA-Seq alignment statistics for *Cryptococcus neoformans* KN99α and knockout strains.

File name: Supplementary Data 7

Description: Fraction of Reads in Peaks (FRiP), library size, and complexity quality metrics for ChIP-seq experiments.

File name: Supplementary Data 8

Description: Source data underlying all graphs and charts presented in the main and supplementary figures.

