



**Figure S3 Reproducibility for differential H3Lys4 3me peaks.** (A) Snapshot of the ChIP-seq mapped reads for H3Lys4 3me and H3 across the *TDH1*, *INO1*, *ENO1*, and *AQY1* loci that display elevated H3Lys4 3me/H3 signal in *cnc1Δjhd2Δ* mutants relative to wild type as determined by DiffBind. (B) ChIP-qPCR was performed on wild type and *cnc1Δjhd2Δ* mutants cultured to mid-logarithmic phase in non-fermentable carbon sources. Immunoprecipitations were performed as indicated; qPCR was directed towards top hits as identified by ChIP-seq. All values are normalized to wild type and represent the average of three independent biological replicates, error bars are standard deviations.