



Figure 7- figure supplement 2. Multiple comparisons of Genes in UMAP groups for genomic variables. GC content, GC sequence fraction; RNAseq, log2 TPM+1 of RNA-sequencing reads from PDB grown fungus; H3K9me3 and H3K27me3 and ATAC-seq, TPM values of mapped reads from H3K9me3 ChIP-seq, H3K27me3 ChIP-seq, or Assay for transposase accessible chromatin respectively; 5mCG, log2 weighted cytosine DNA methylation+0.01 for CG. There were no significant differences for the comparisons of DNA methylation levels at $\alpha = .05$. Pairwise comparisons were performed using Conover's test, with Holm multiple testing correction. *, p-value < 0.05; ****, p-value < 0.0001.