



**Supplemental Figure S1. *seb1-1* mutant displays statistically significant changes in 5' and 3' RNAPII traveling ratios.** Heat map of  $-\log_{10}$  p-values of KS tests comparing *clr4* $\Delta$  to *clr4* $\Delta$  *seb1-1* traveling ratios from each set of clusters in (Figure 1D). Clusters I and II display significant Seb1-dependent changes. Each replicate is represented (Rep 1 and Rep 2) for both 5' and 3' traveling ratios.