Histogram of (-log10) p-values - k-mers passing the first filtering step (n=10001) 5% threshold 10% threshold 1000 800 Frequency 600-400 200-9 10 8 6

-log10(pval)

\*Red dashed line indicates 5% family-wise error-rate threshold \*Blue dashed line indicates 10% family-wise error-rate threshold