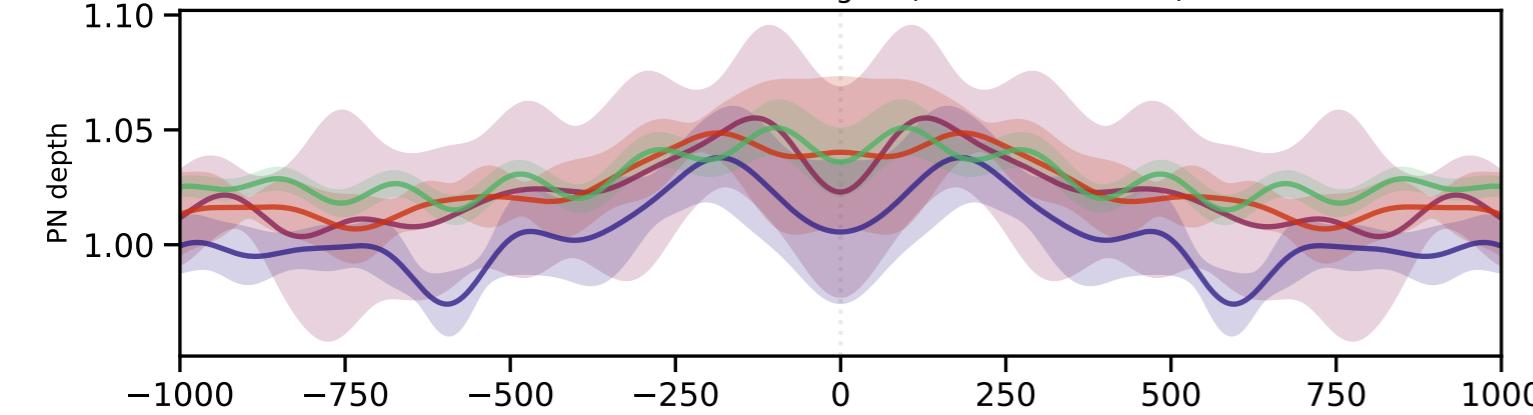
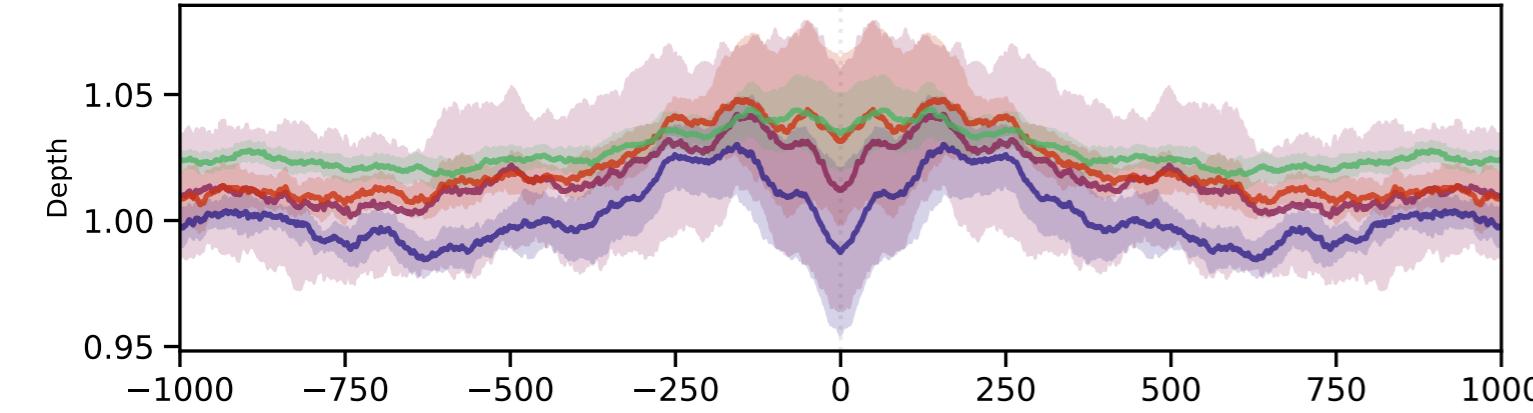


Fragment Coverage Signals

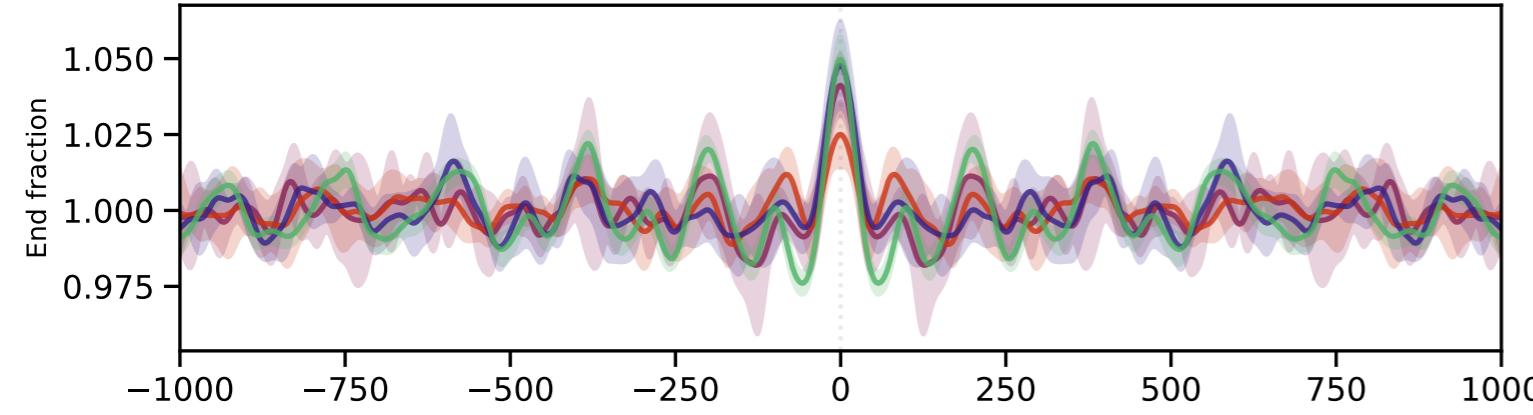
Phased Nucleosomal Signal (Flank-Normalized)



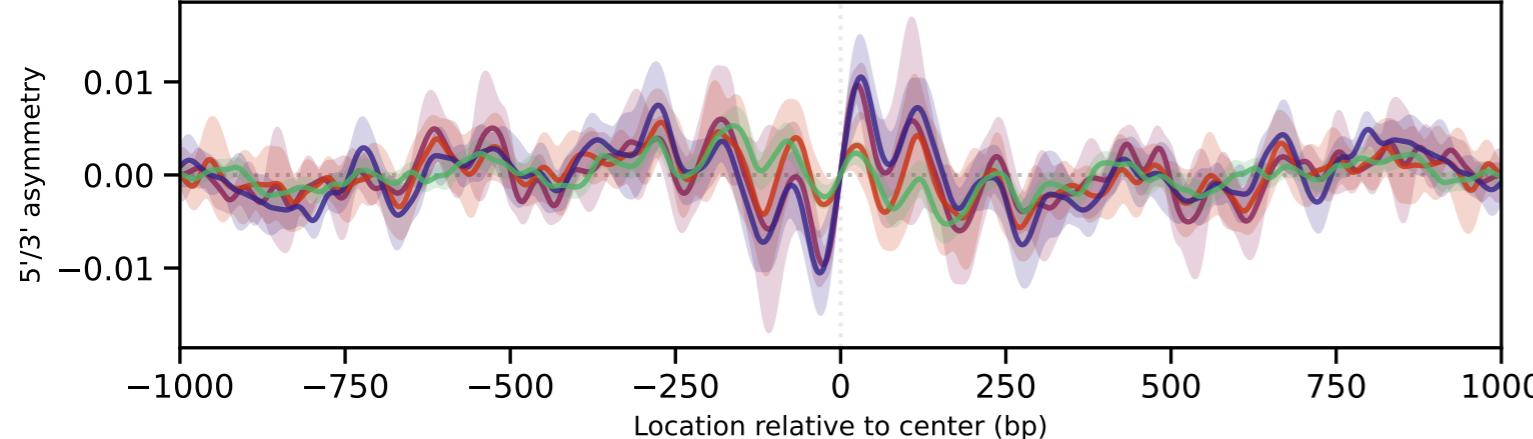
Coverage (GC-Corrected, Flank-Normalized)



Fragment End Coverage (Flank-Normalized, Smoothed)

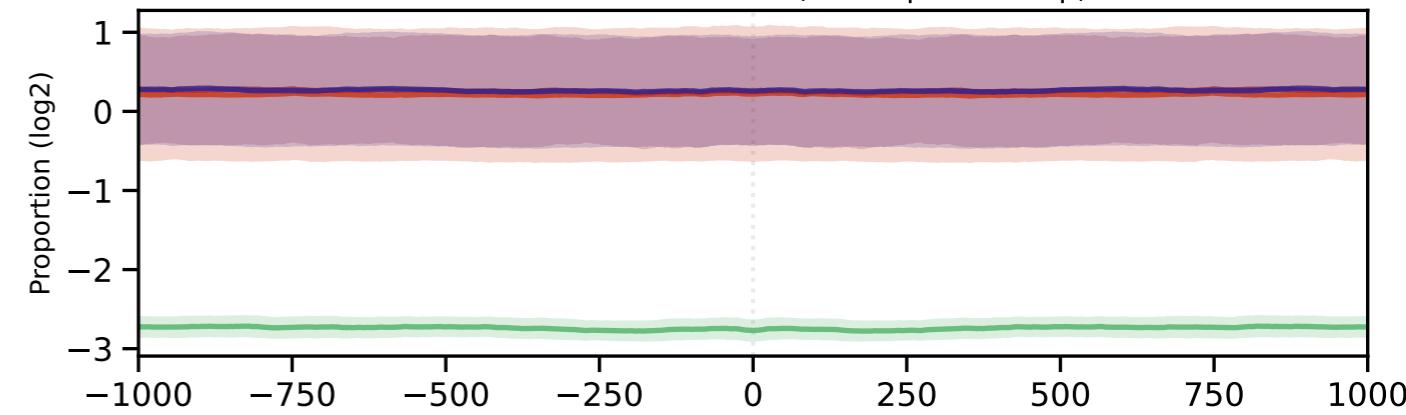


Fragment End Orientation (Smoothed)

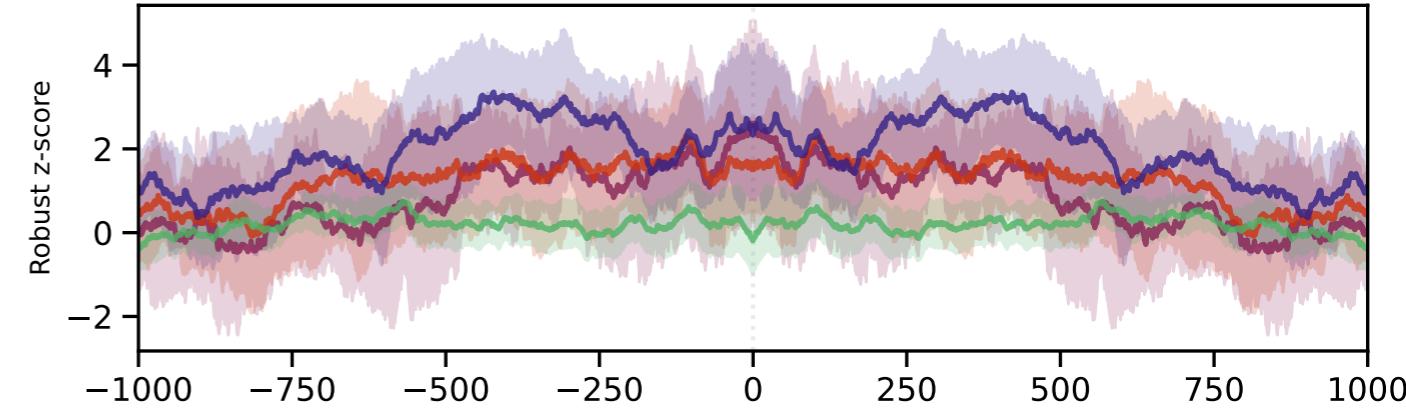


Fragment Length-Derived Signals

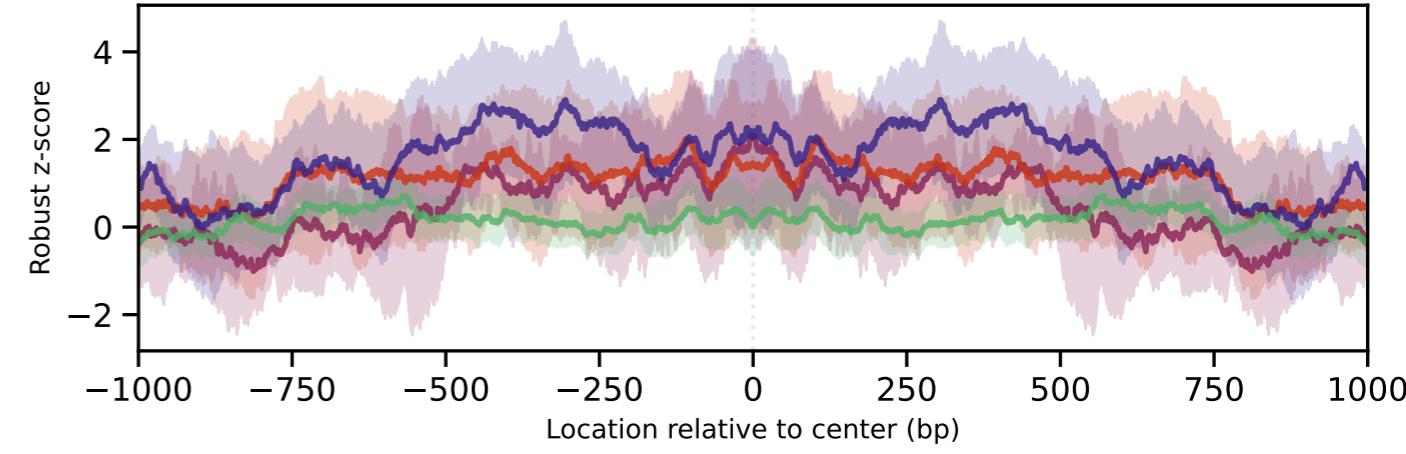
FL Subnucleosomal Ratio ($<147\text{bp}/>=147\text{bp}$)



FL Shannon Entropy (Pielou's Evenness)



FL Gini-Simpson Index



ATOH1+NEUROD1
NEUROD1
ASCL1
Healthy

