

**Figure 1. Chromatin accessibility is altered in senescence**

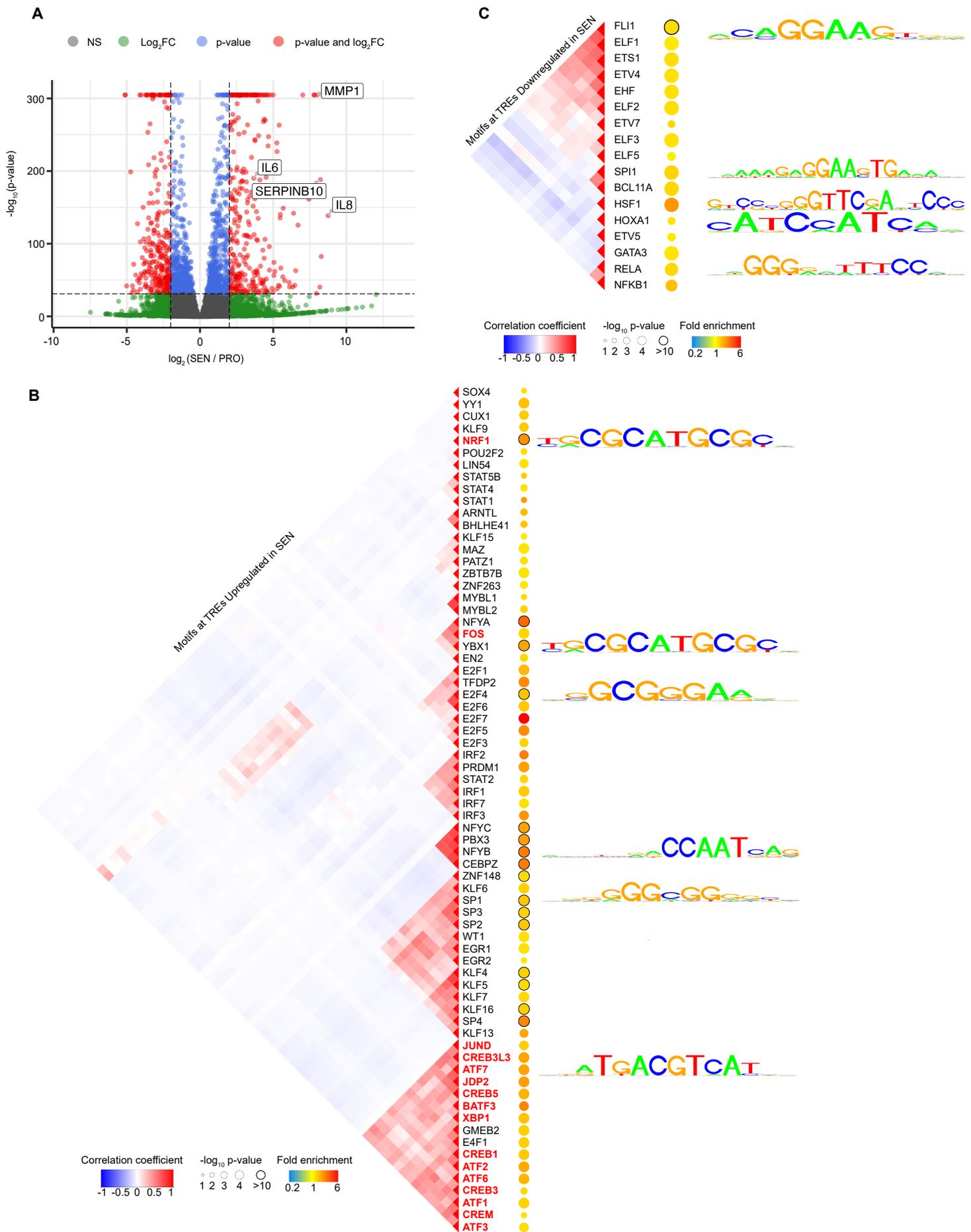
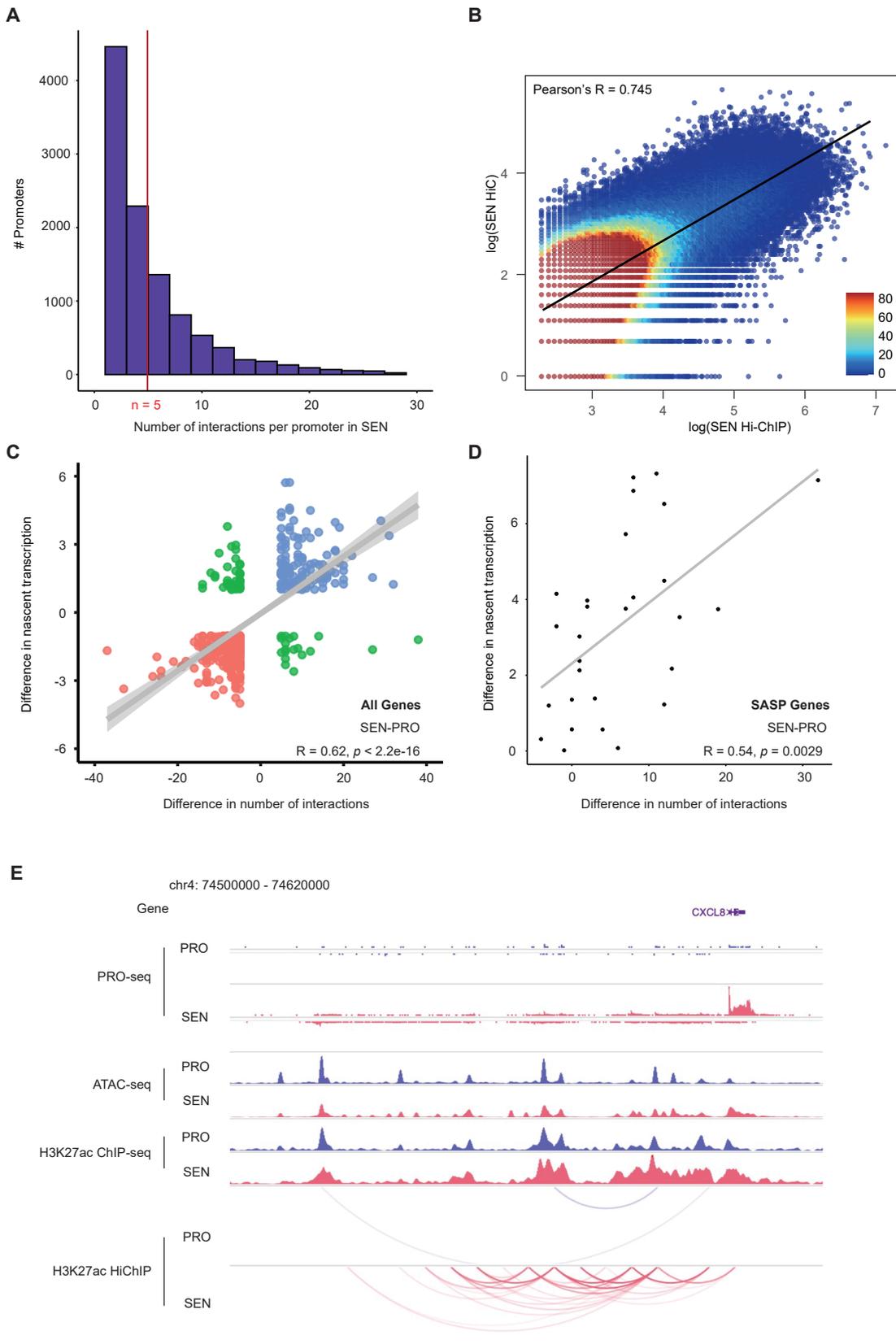
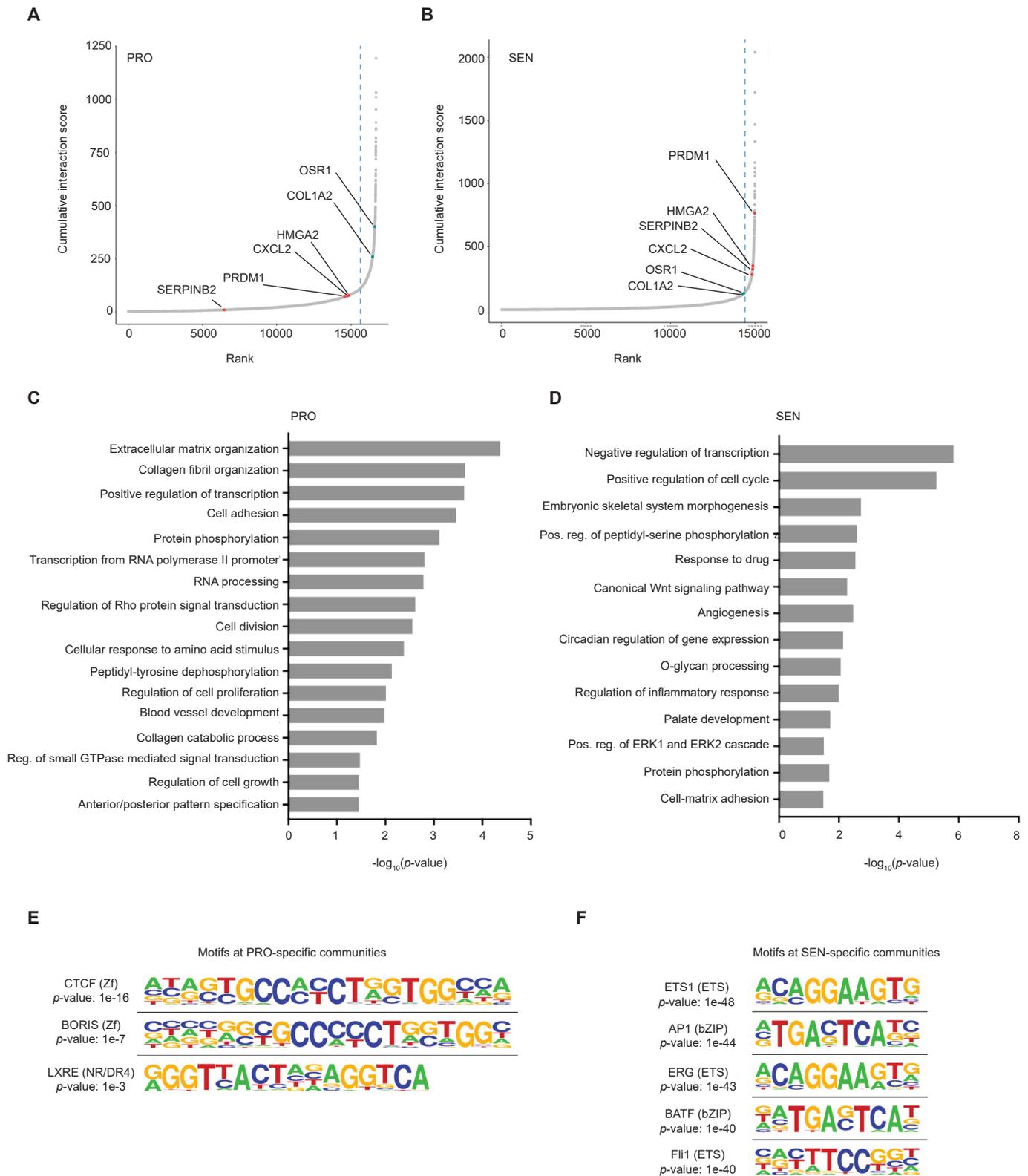


Figure 2. Nascent transcription alters in senescence.



**Figure 3. Multiple regulatory elements regulate gene expression.**



**Figure 4. Hyperconnected enhancer hubs regulate state-specific genes.**

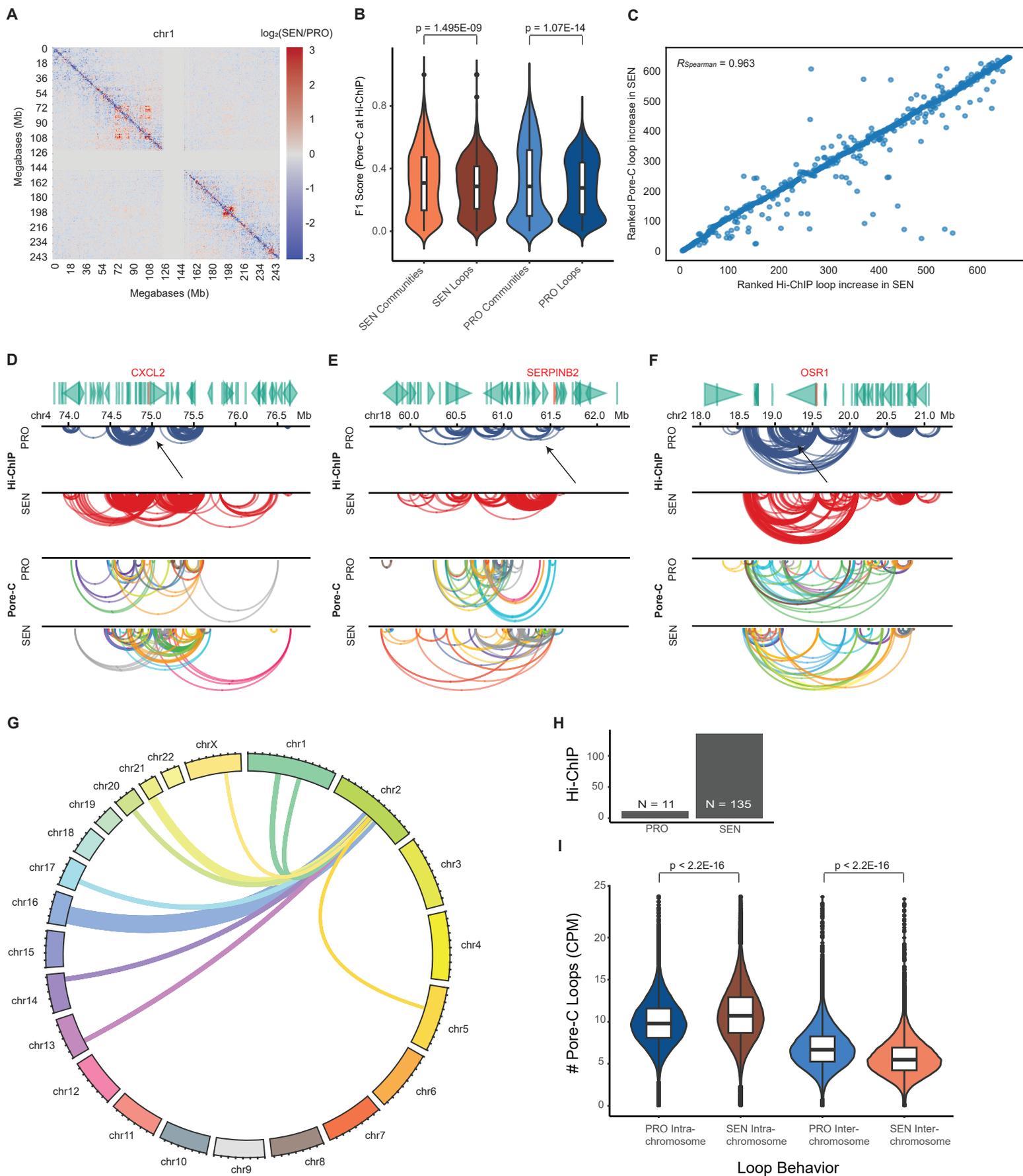
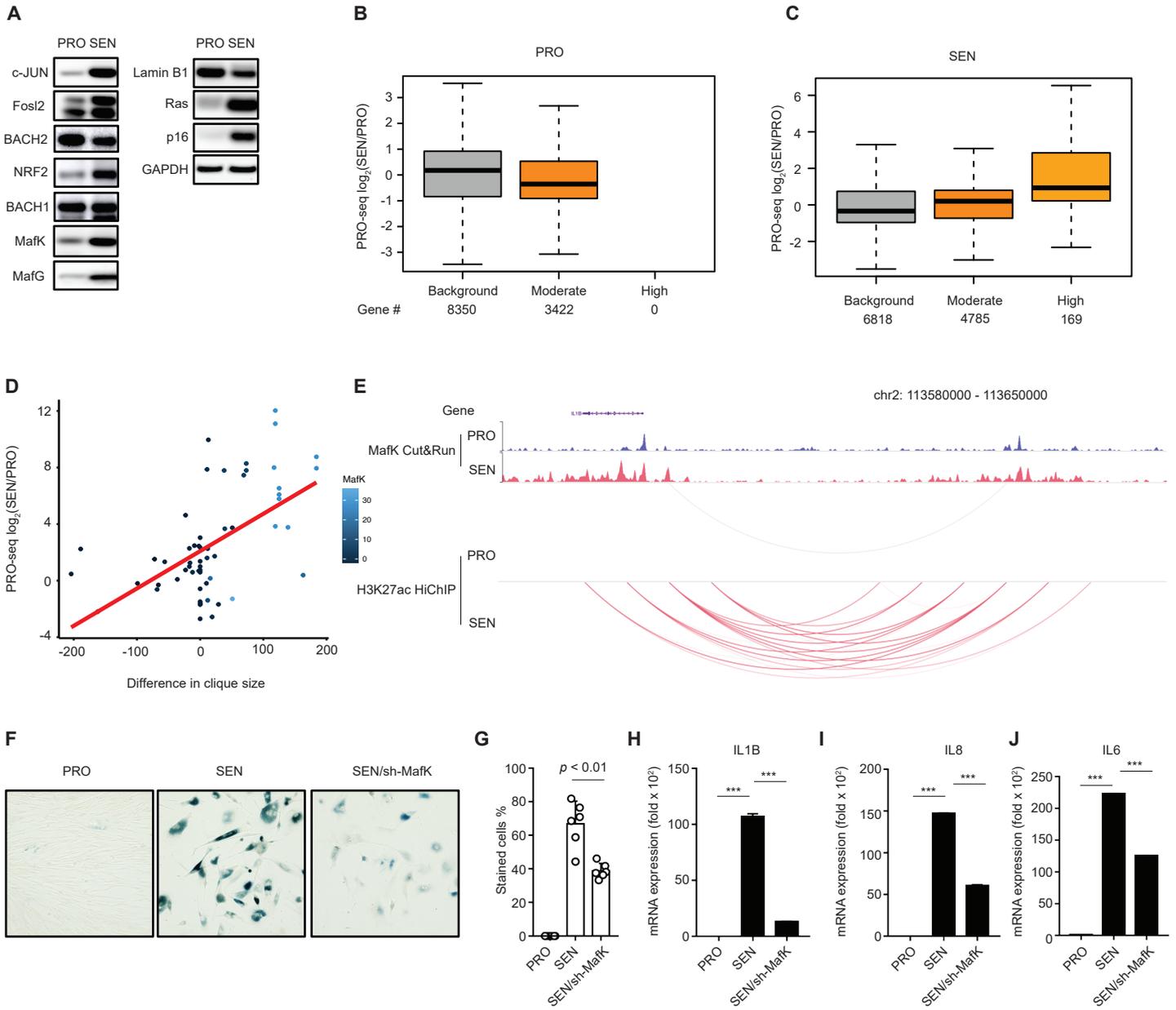
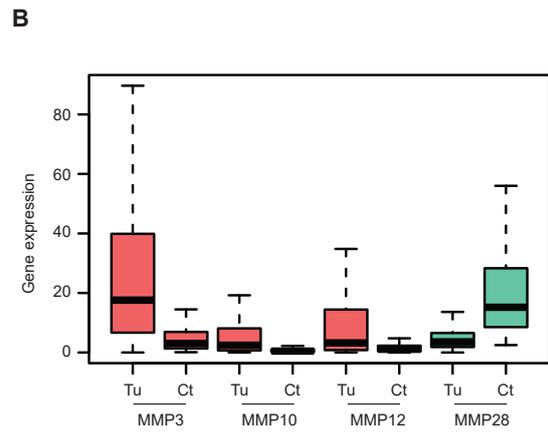
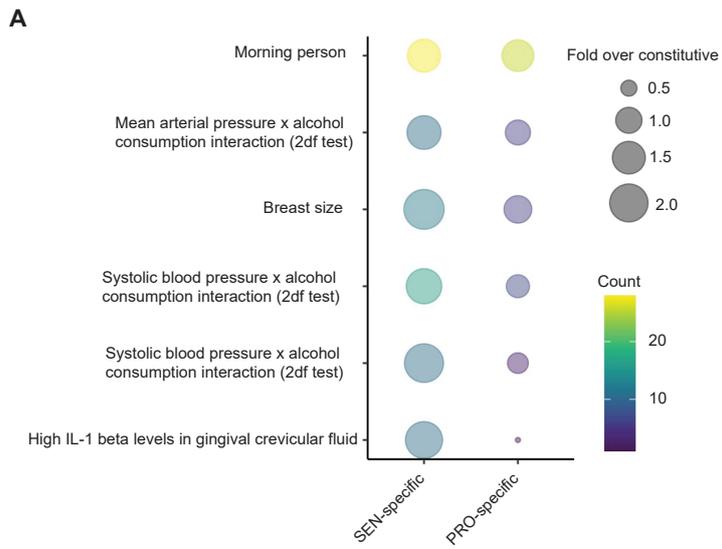


Figure 5. Pore-C captures enhancer communities in single cells



**Figure 6. MafK regulates enhancer hubs and senescence.**



**Figure 7. Disease-associated traits in hyper-connected enhancer communities.**

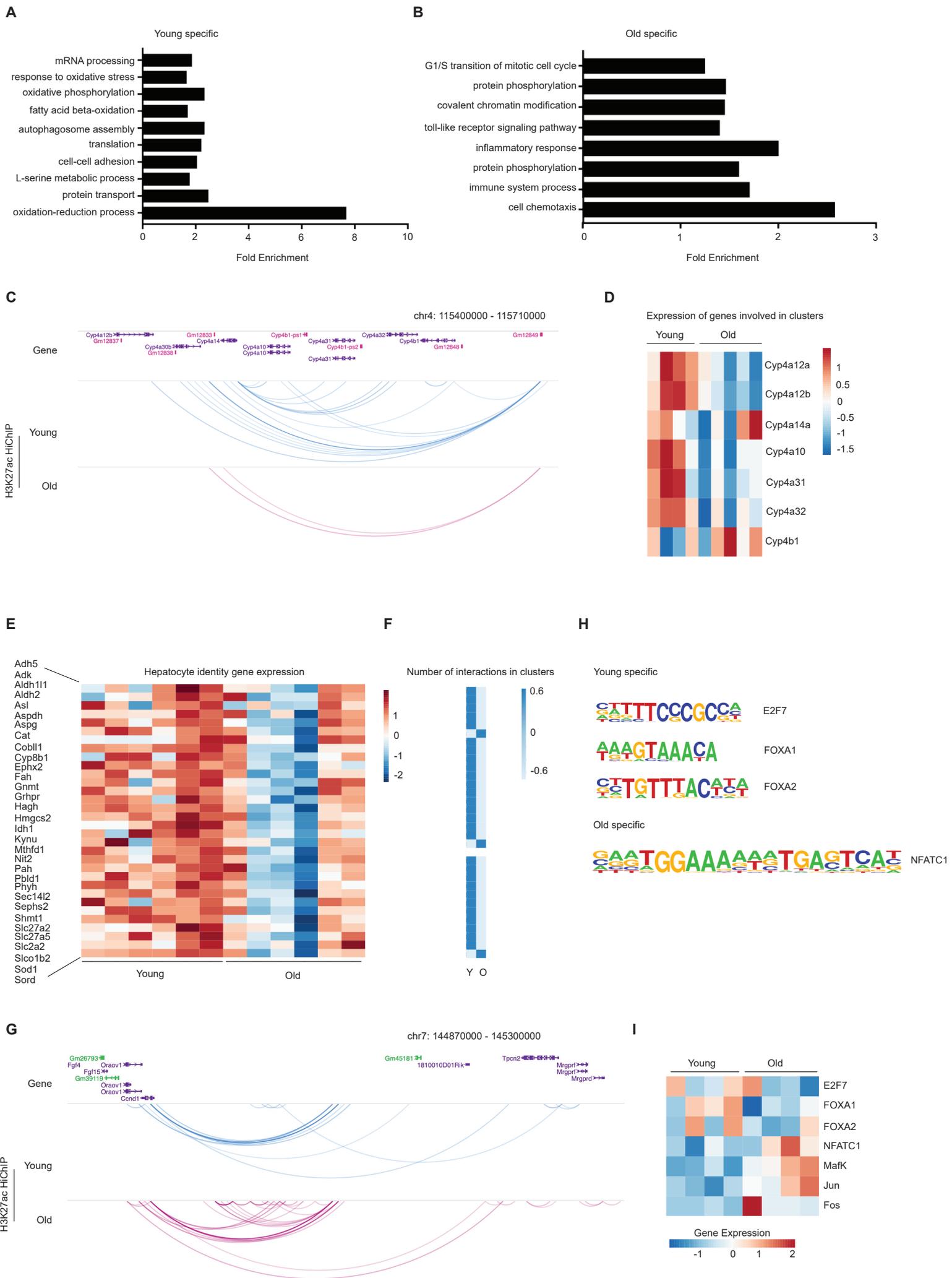


Figure 8. Enhancer hubs are dynamic during aging.