

negative regulation of cyclin-dependent protein serine/threonine kinase activity

10

regulation of spindle organization regulation of mRNA 3'-end processing

regulation of RNA export from nucleus

-log₁₀(p-value)

6

4

0

2

regulation of telomerase RNA localization to Cajal body regulation of nucleobase-containing compound transport positive regulation of telomerase RNA localization to Cajal body

8

Figure 1. Chromatin accessibility is altered in senescence

8 10

0 2 4 6

-log₁₀(p-value)



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.