

Association between ASD *de novo* LoF variants and genes' LoF-intolerance score

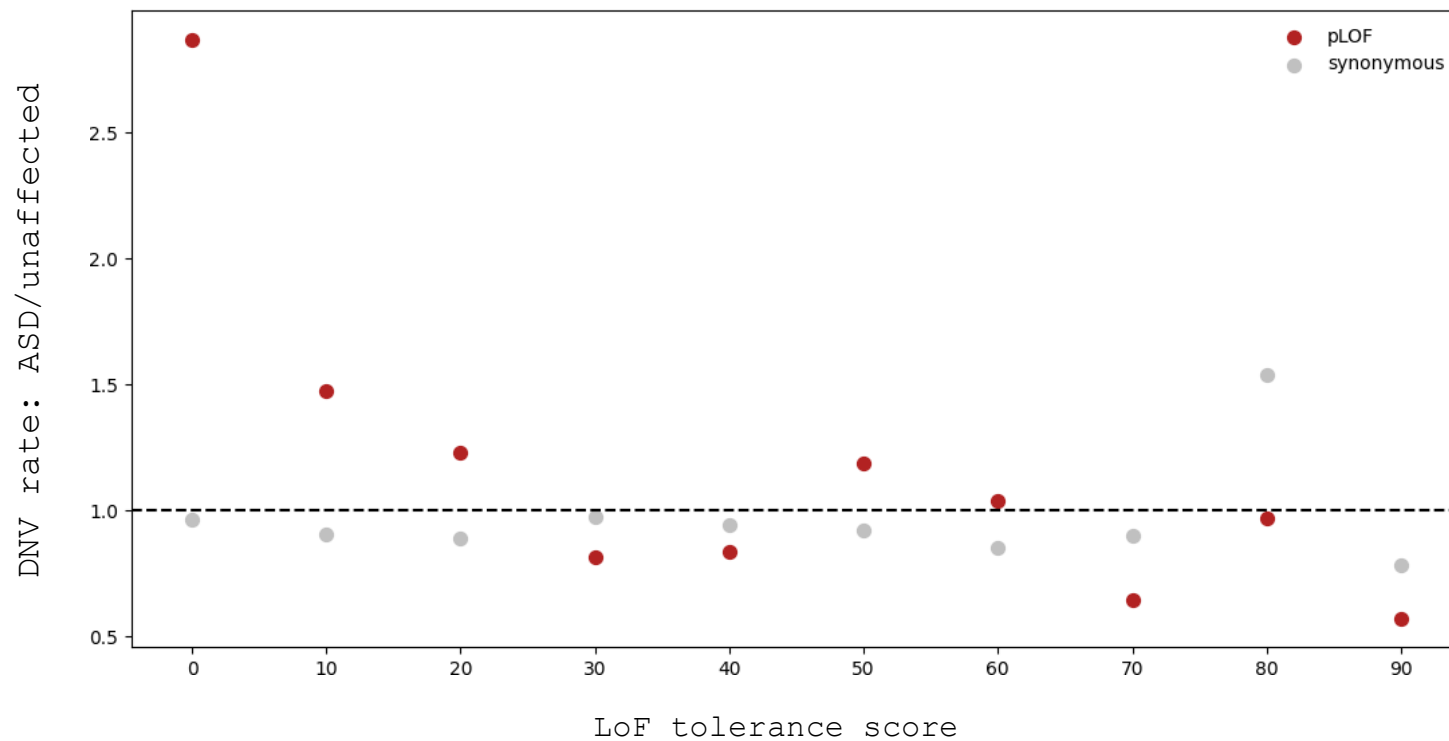
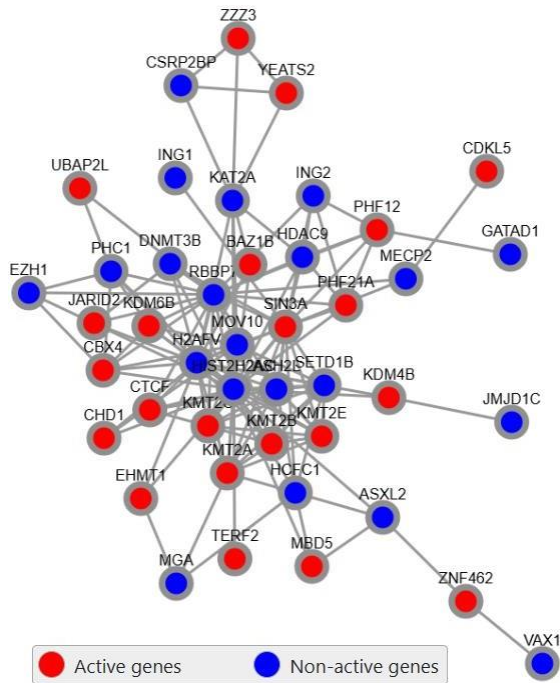
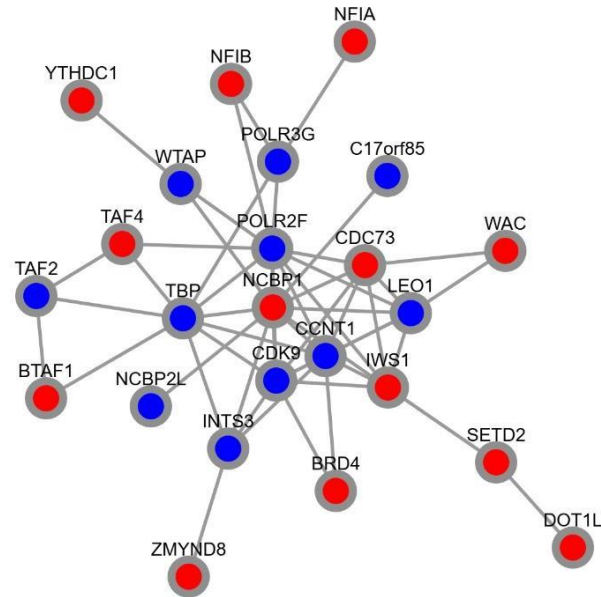


Figure S1

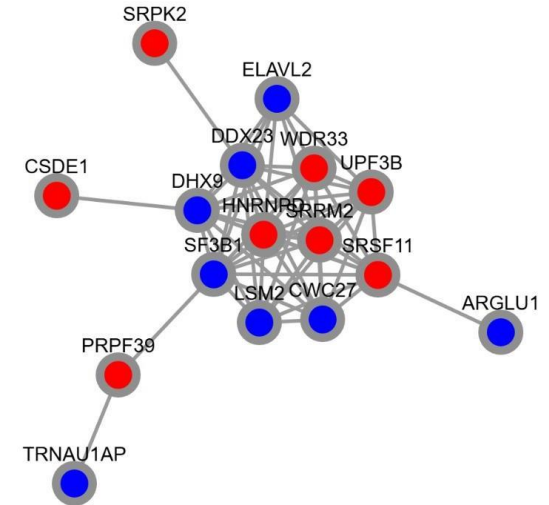
LOF-intolerant ASD genes with broad expression



Chromatin organization (1.2×10^{-27})
Histone modifications (4.0×10^{-22})



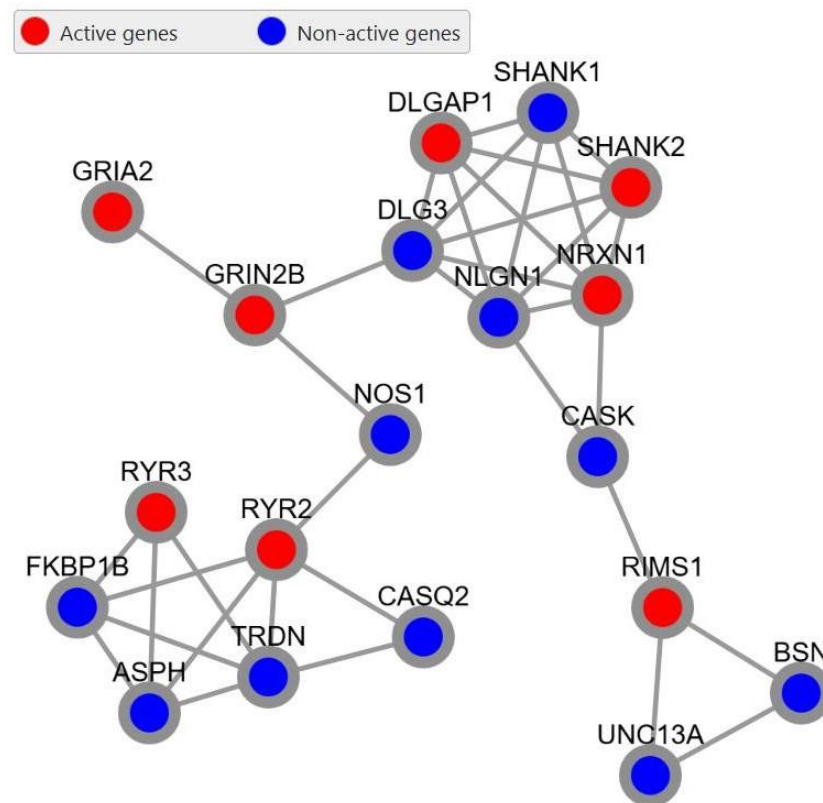
Transcription by RNA polymerase II
 (4.3×10^{-9})



RNA splicing (1.5×10^{-12})

Figure S2a

LOF-intolerant ASD genes with narrow expression

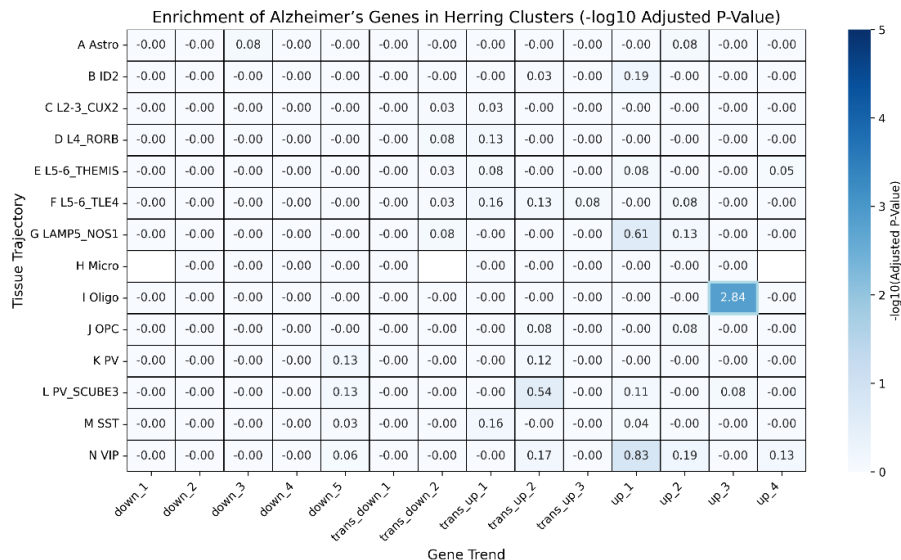


Ion channel complex (1.9×10^{-11})

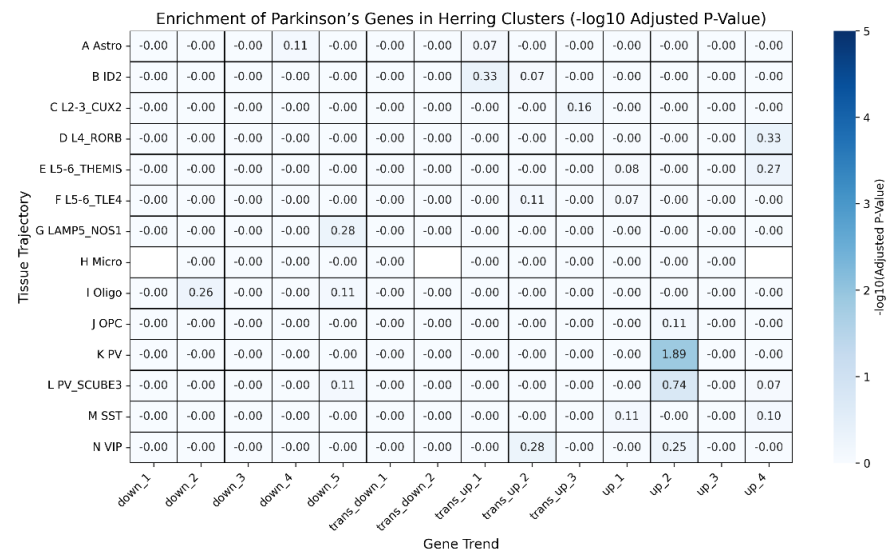
Synaptic signaling (1.2×10^{-7})

Figure S2b

A



B



C

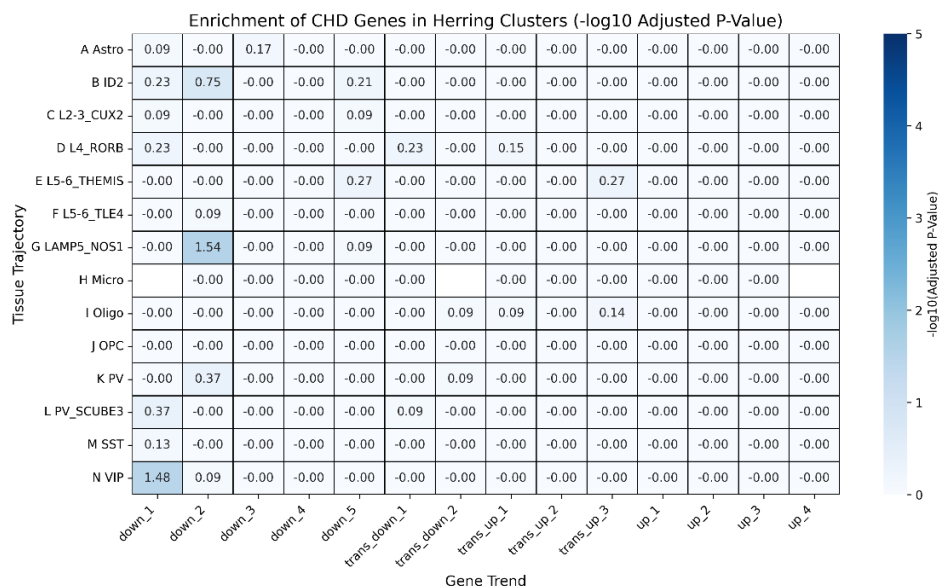


Figure S3