# Table of Content

## Supplementary Figures

**Figure S1** CNV calling pipeline

**Figure S2** Illustration of the concept which compares the mean number of AD-specific CNVs per AD case with the mean number of MCI-specific CNVs per MCI case and the mean number of NL-specific CNVs per NL case

**Figure S3** Illustration of the concept of AD-CNV genes and genes overlapping with multiple AD-specific CNVs

**Figure S4** Super exact test on significantly CNV-correlated RNAs of five different brain regions in AD cases from the MSBB and ROSMAP cohorts

**Figure S5** DEG and Trait-correlation signal of CNV-correlated genes in five brain regions

**Figure S6** Kendall's tau-b correlation coefficient between CNVs and AD-related genes in five brain regions
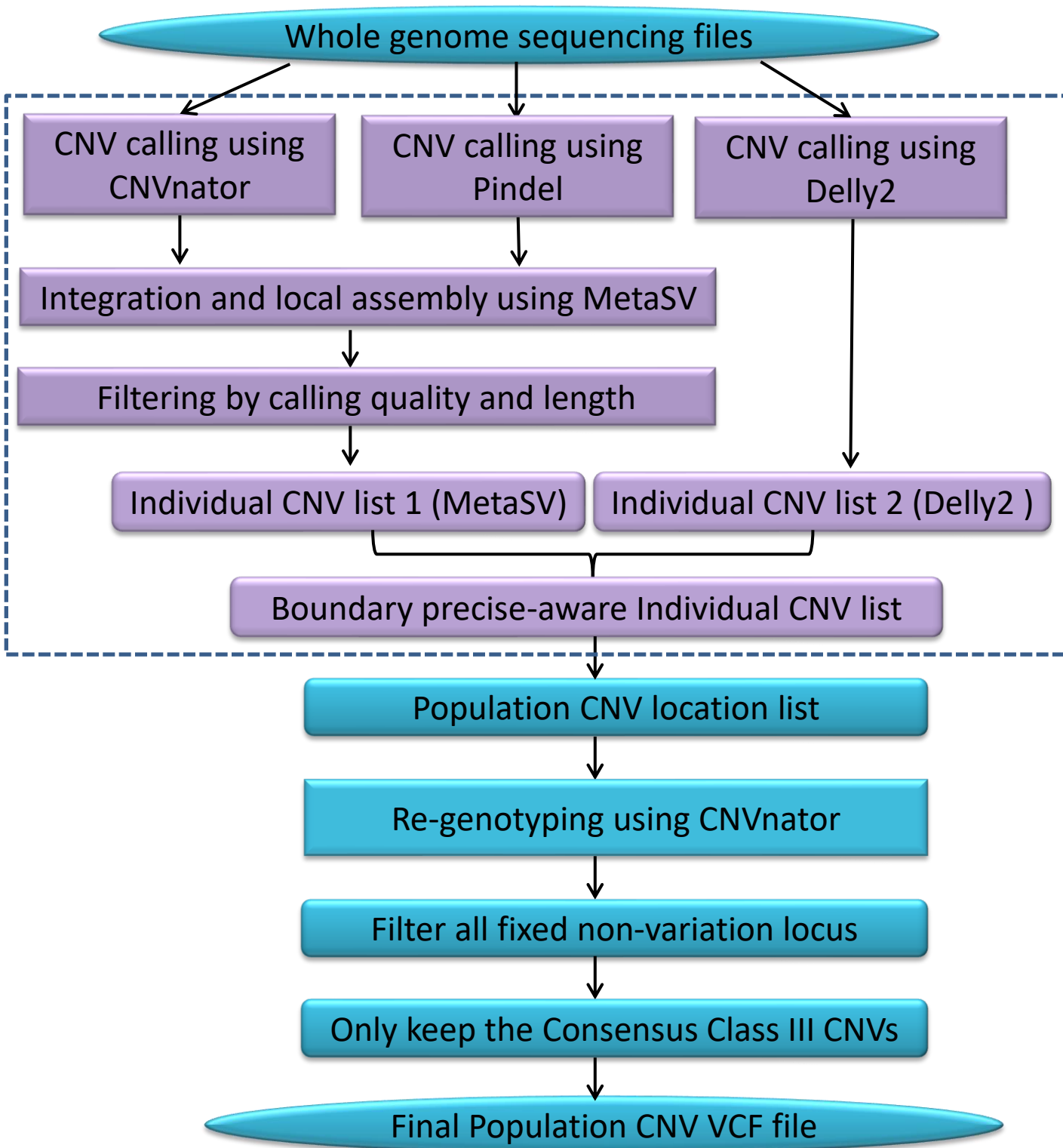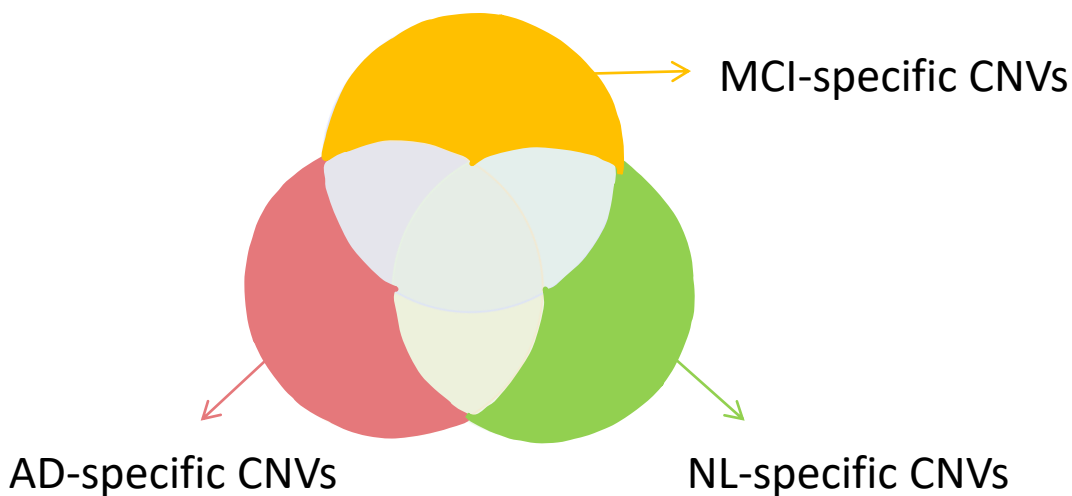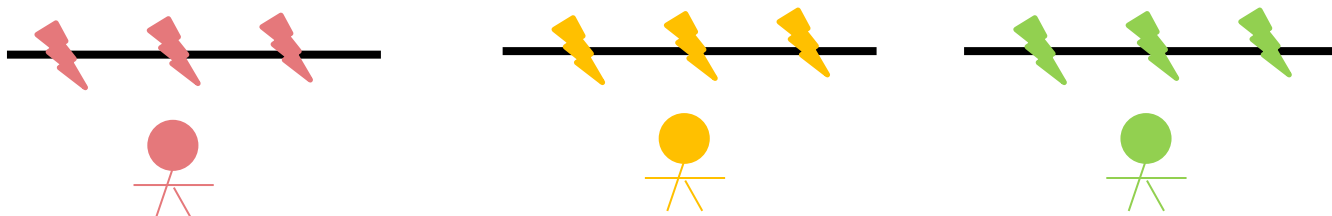
**Figure S1** CNV calling pipeline. Dash box contains CNV calling steps at individual level.
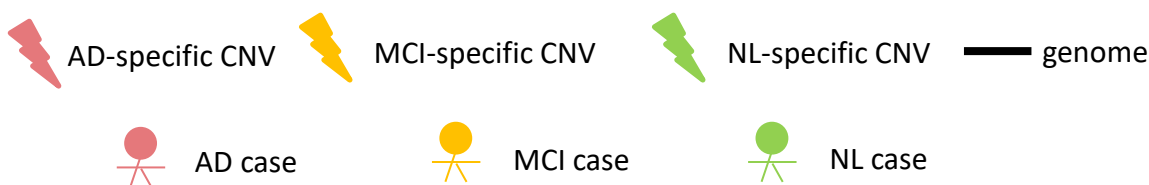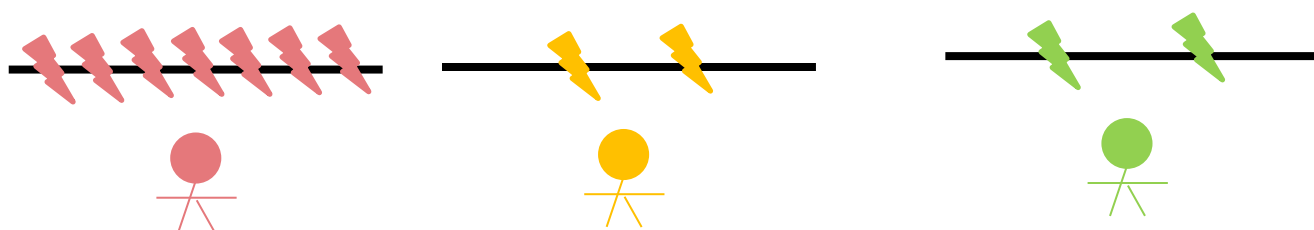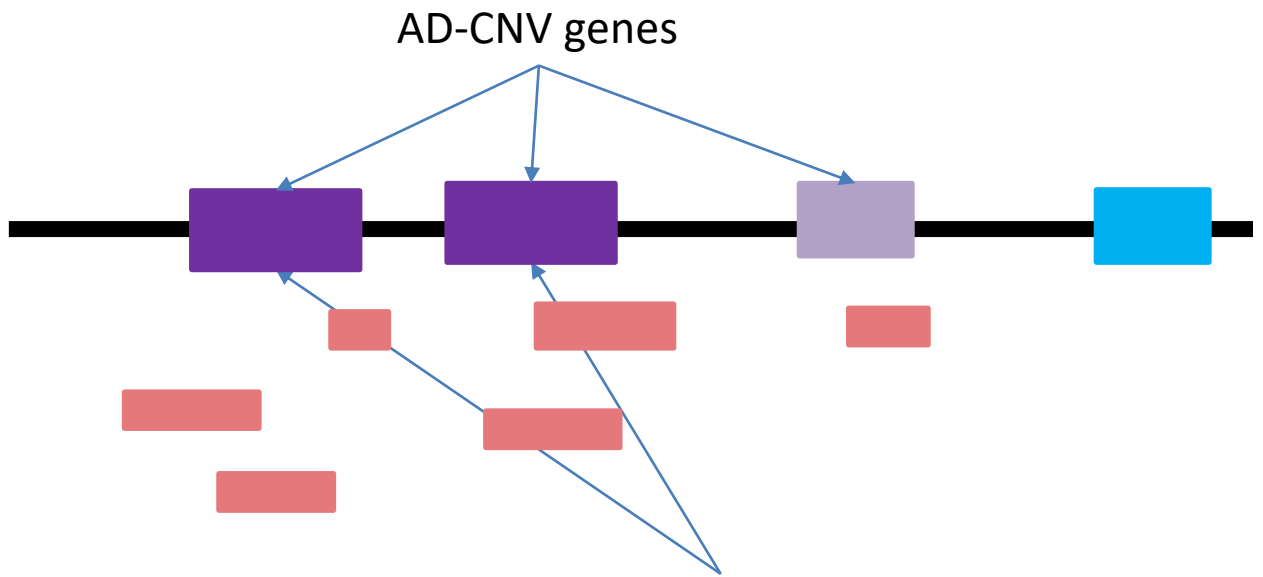
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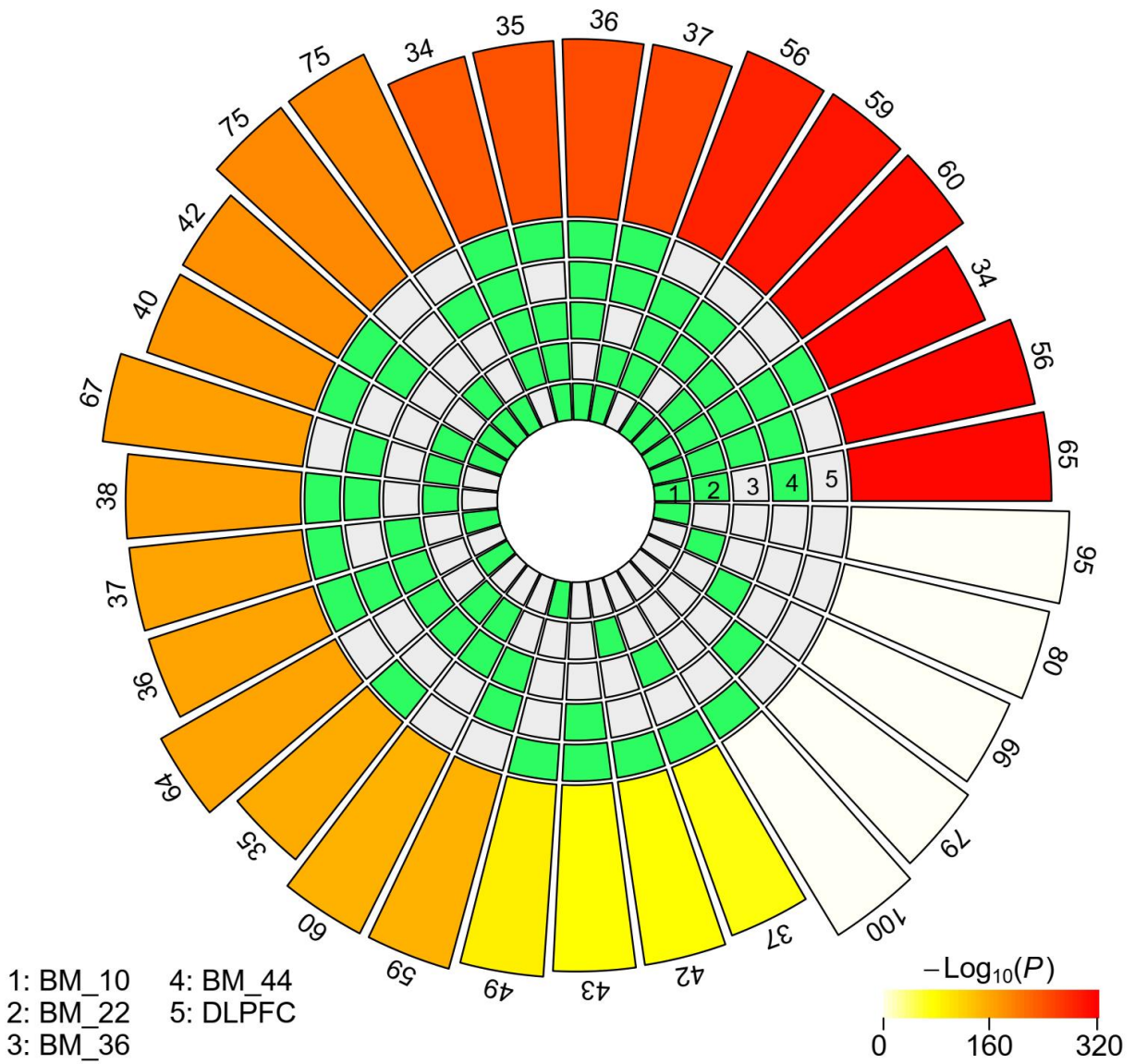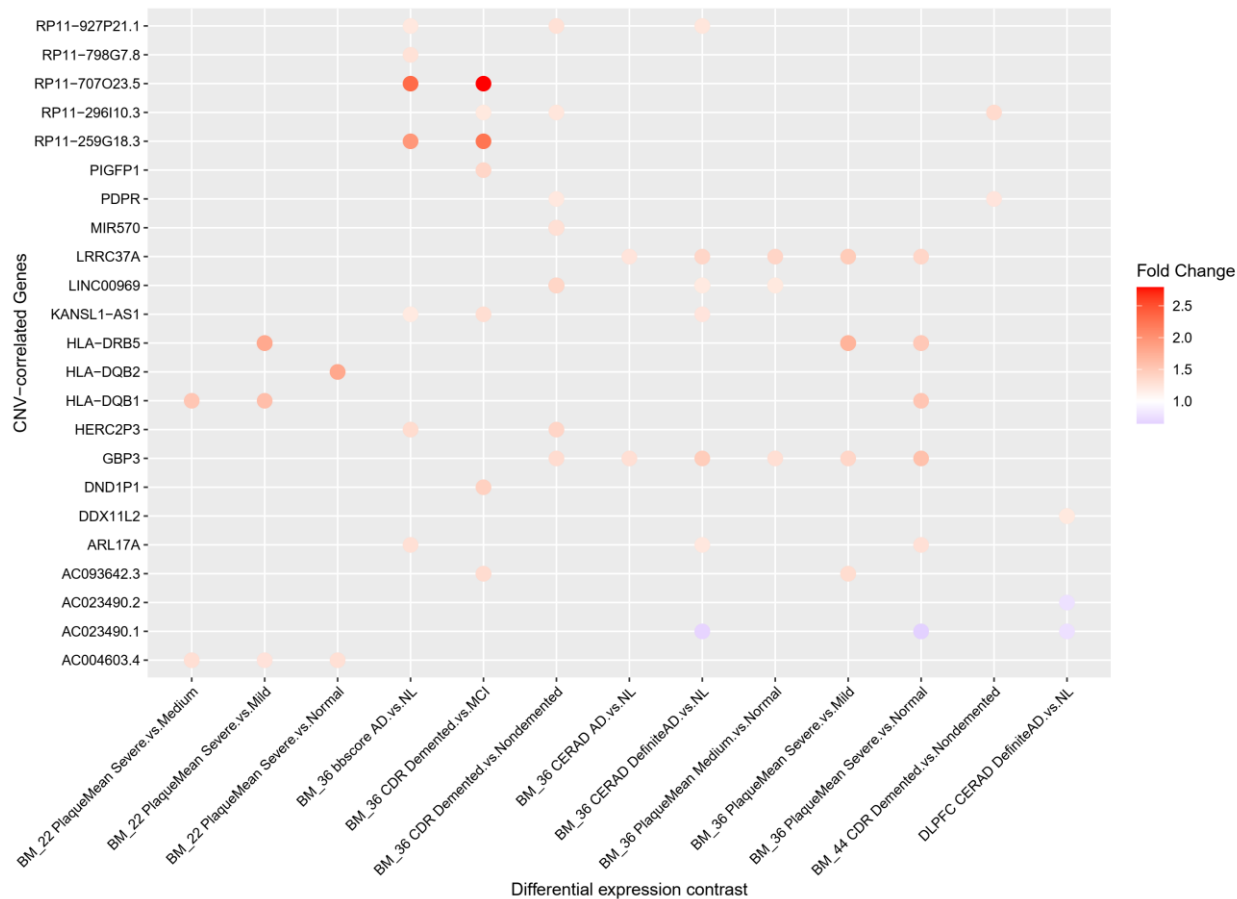
**Figure S4** Super exact test on significantly CNV-correlated RNAs of five different brain regions from the MSBB and ROSMAP cohorts
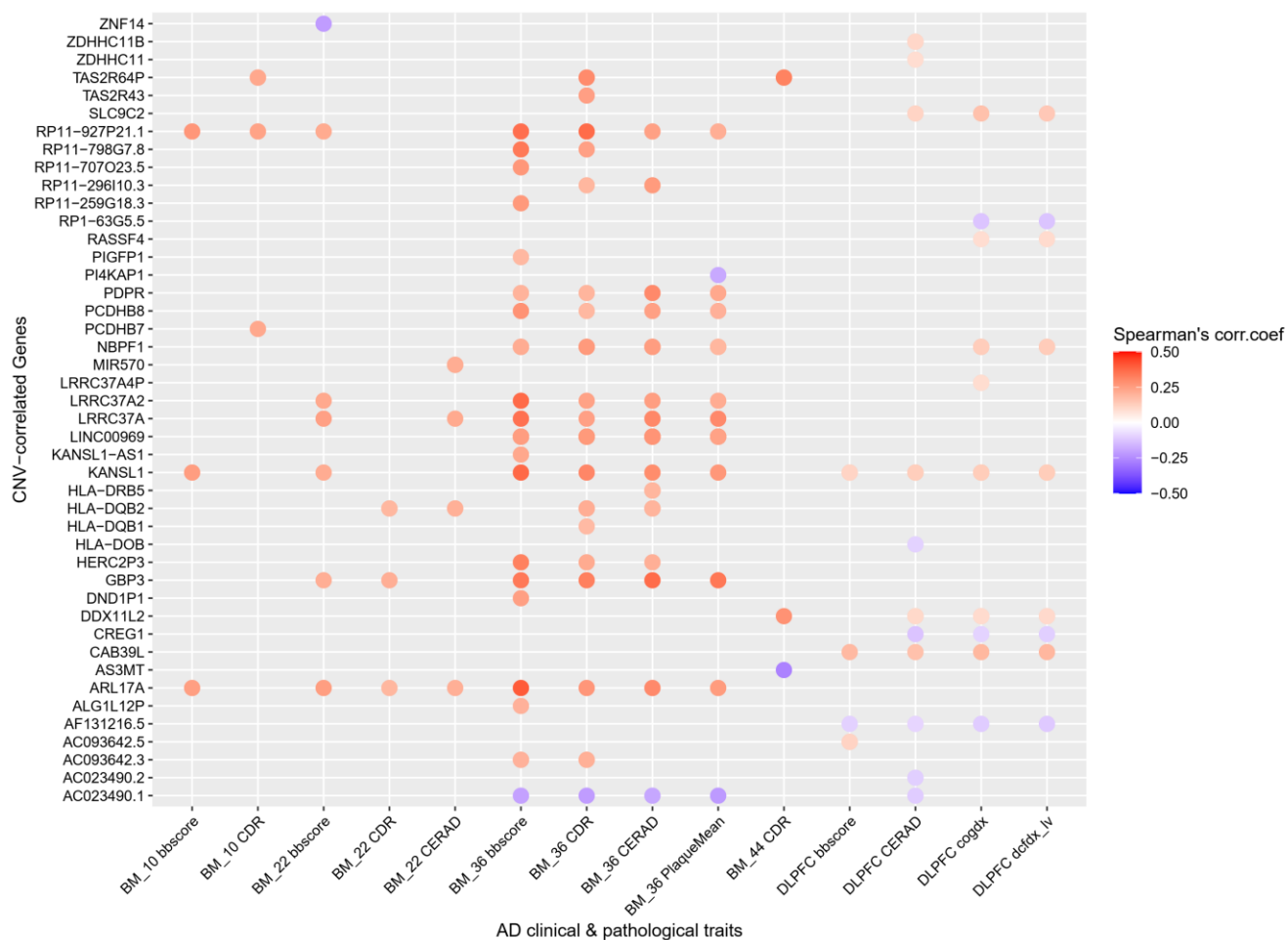
**Figure S5** DEG and Trait-correlation signal of CNV-correlated genes in five brain regions. A) DEG signal of CNV-correlated genes; B) AD trait-correlation signal of CNV-correlated genes
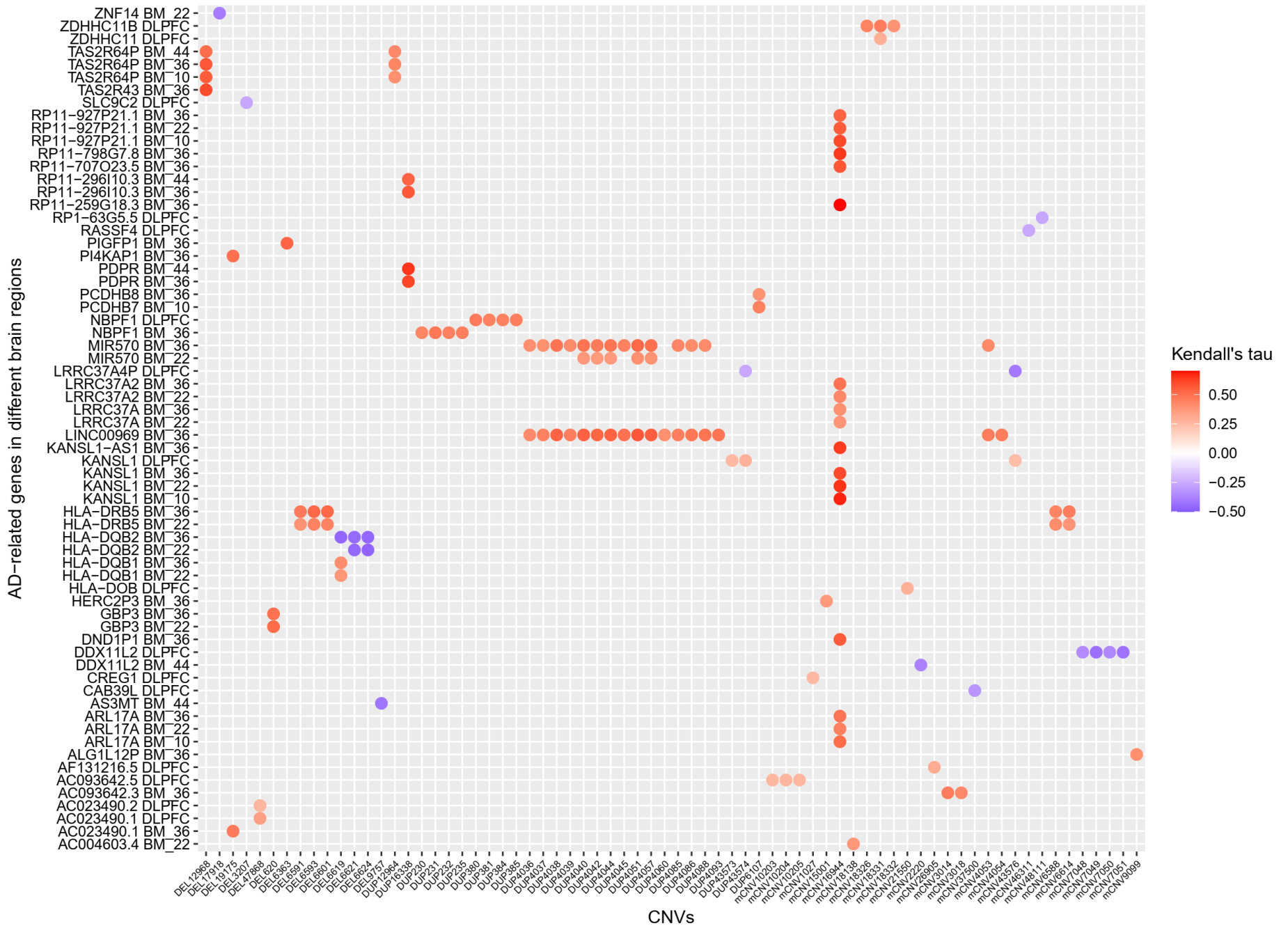
**Figure S6** Kendall's tau-b correlation coefficient between CNVs and AD-related genes in five brain regions