

condFDR_analysis

Overlapping SNPs in dyslexia and clap-beat summary statistics

There are 8,288,850 SNPs in the clap-beat, 7,995,922 SNPs in the dyslexia summary statistics files. **7,027,342** of these SNPs are present in both files.

Conditional and conjunctive FDR analysis with the *condFDR* package

Here I followed the default p-value thresholds provided in the Github tutorial, but they mention that these thresholds are rather arbitrary, so we can change these for future analysis.

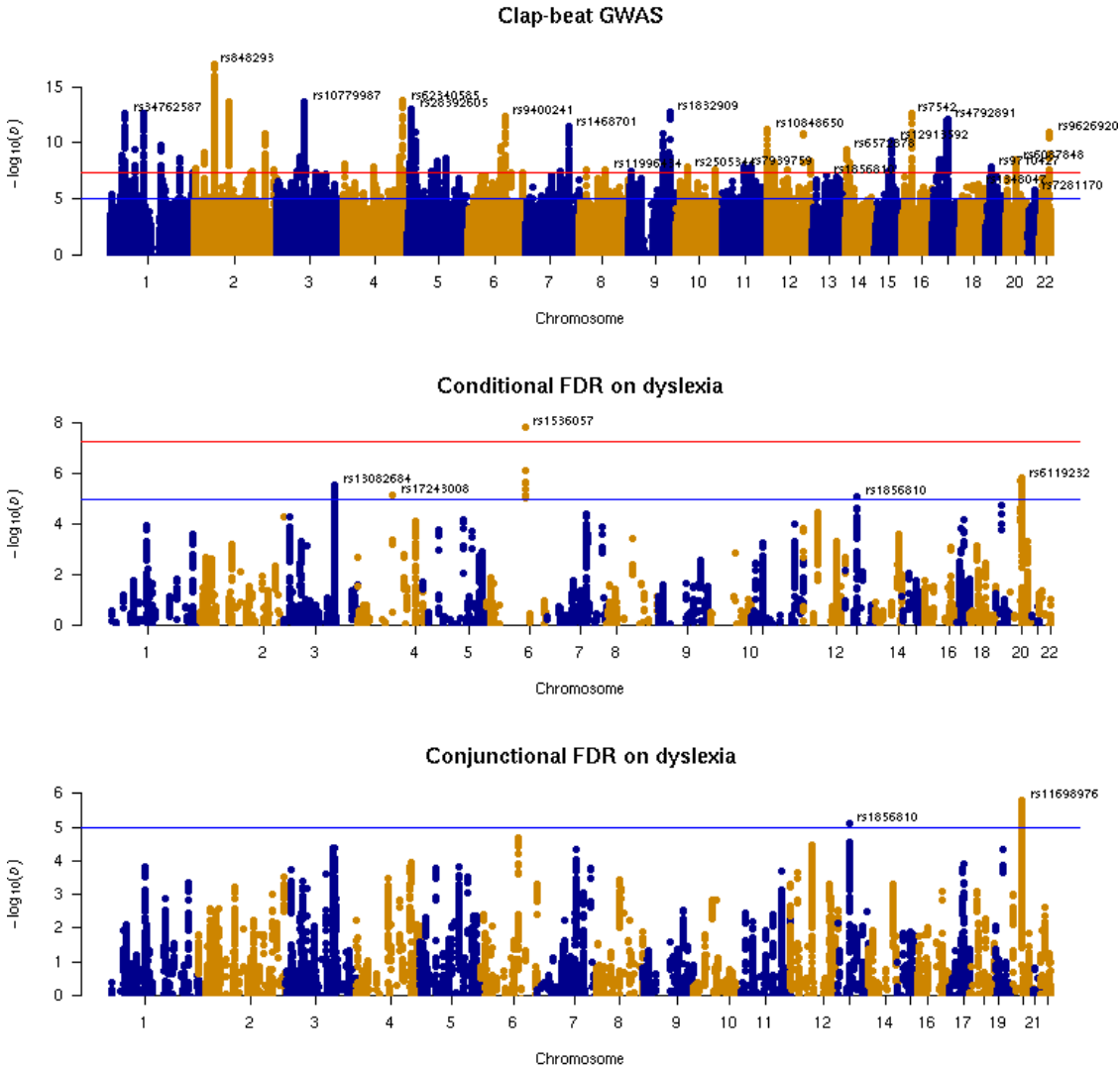
condFDR

A p-value threshold of $1e-5$ was applied on the p-values that we condition on. This yields 21,821 SNPs when we condition clap-beat p-values on dyslexia p-values, and 18,026 SNPs when dyslexia is conditioned on clap-beat. Here I do not apply a threshold on conditional FDRs.

conjFDR

Here I applied the same threshold ($p < 1e-5$) on conjunctive FDR p-values and ended up with 38,943 SNPs for both clap-beat and dyslexia with a conjunctive FDR value $< 1e-5$.

Clap-beat GWAS, conditional and conjunctonal FDR of clap-beat on dyslexia



Dyslexia GWAS, conditional and conjunctinal FDR of dyslexia on clap-beat

