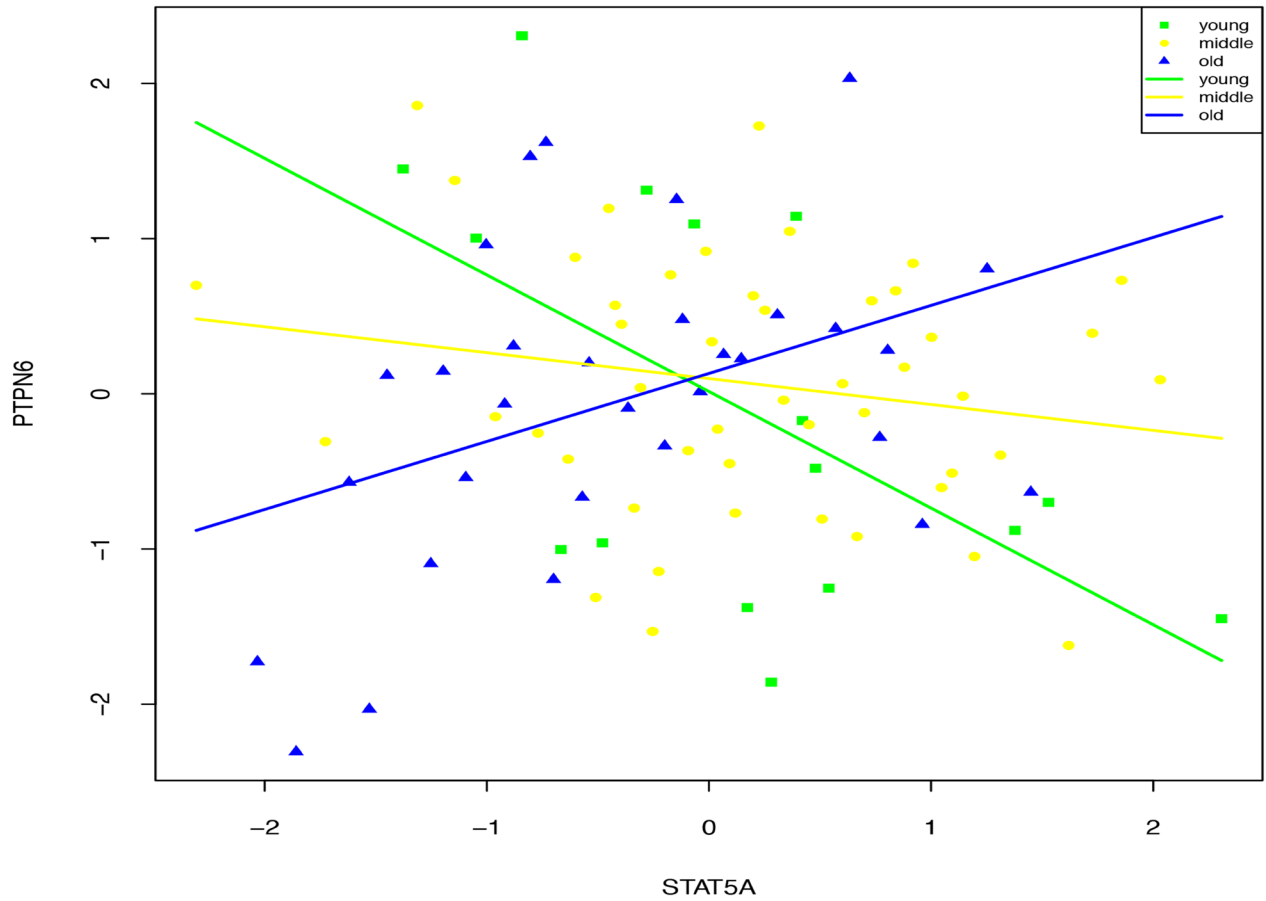
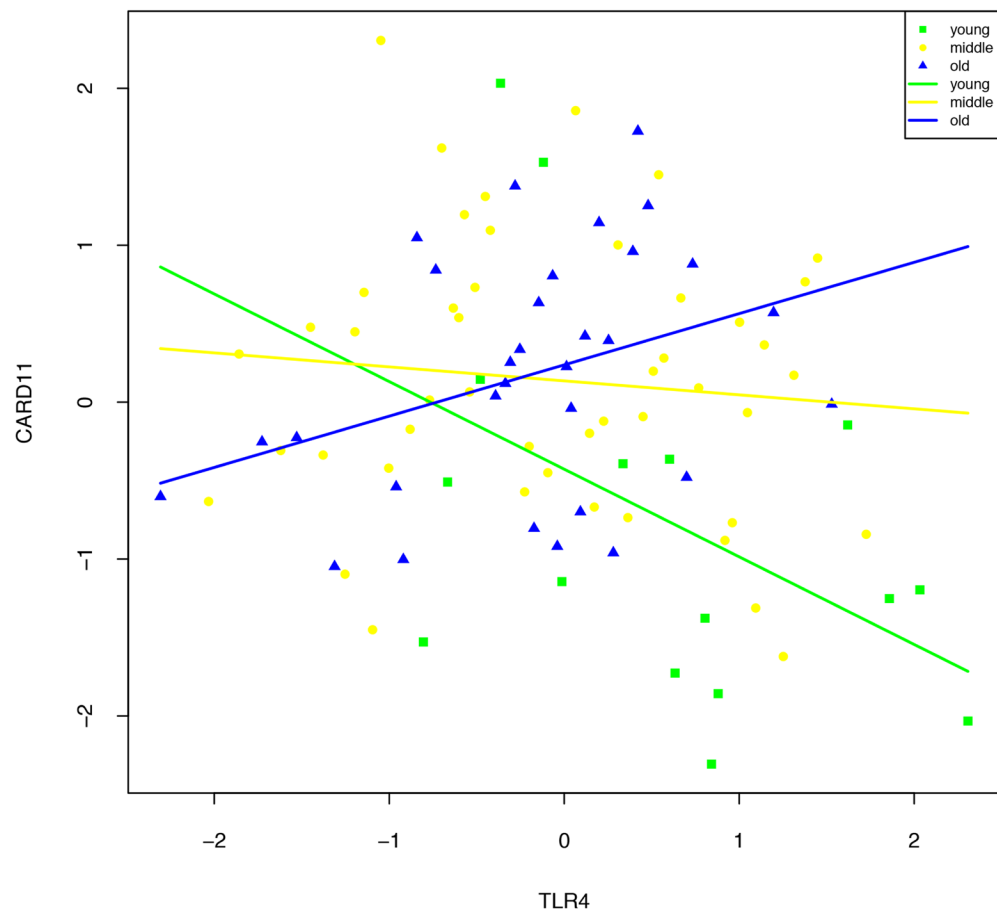
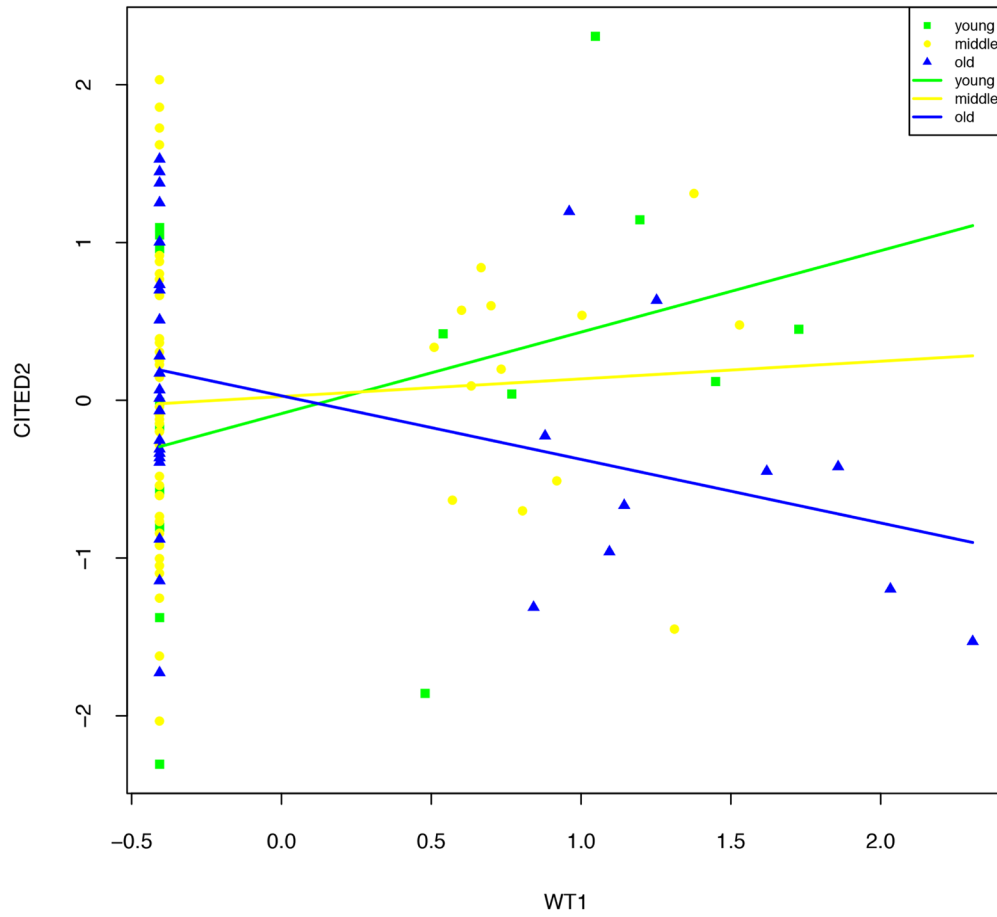
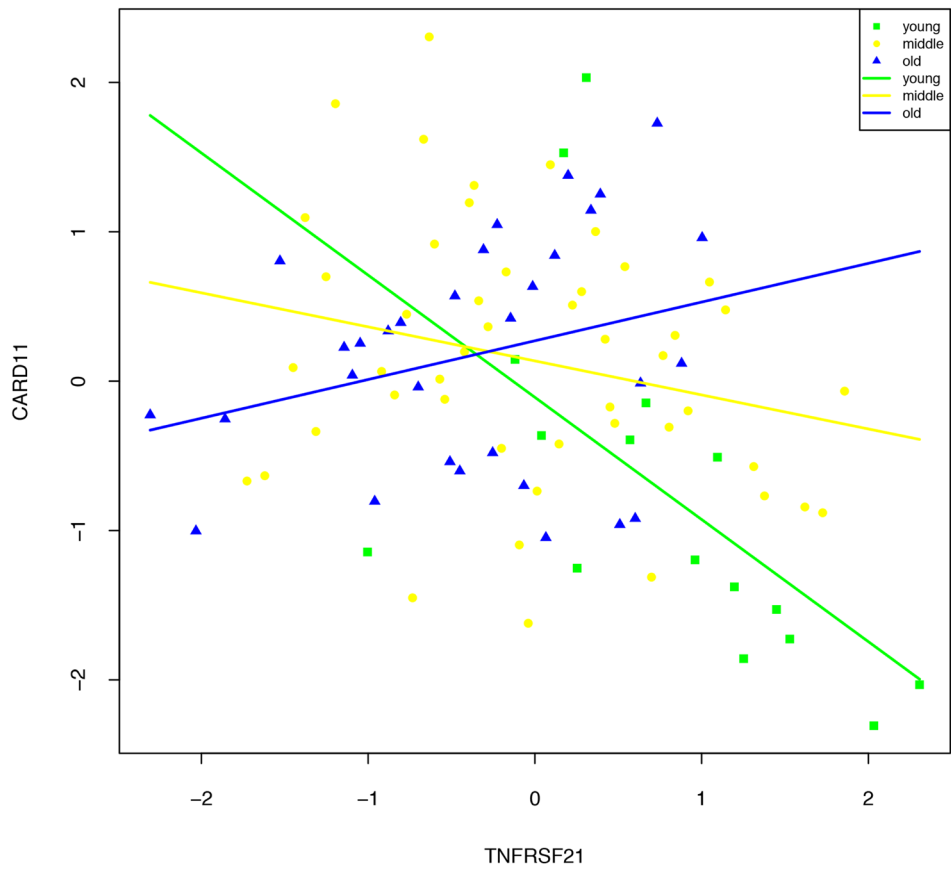
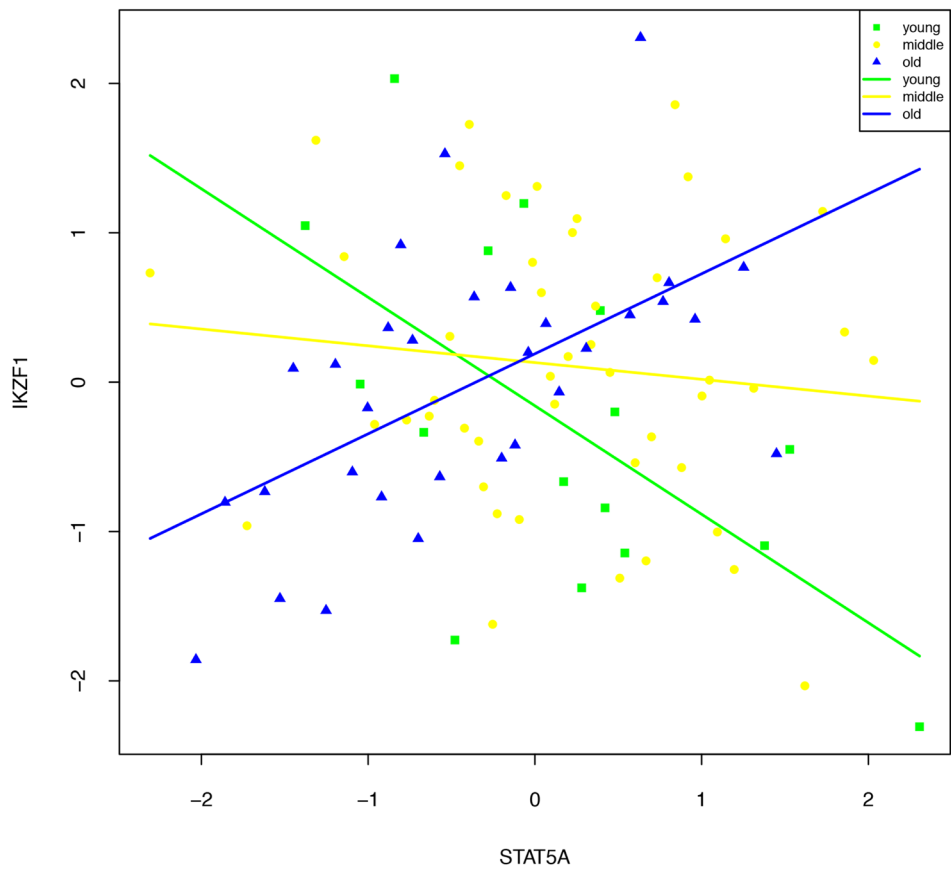


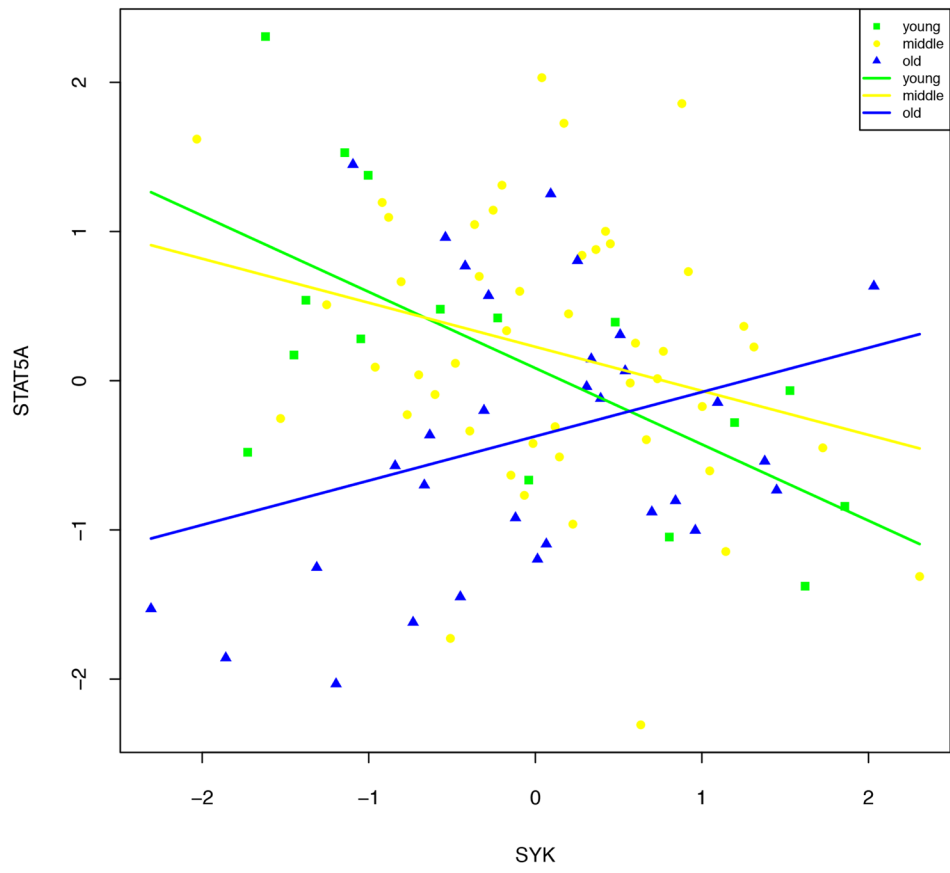
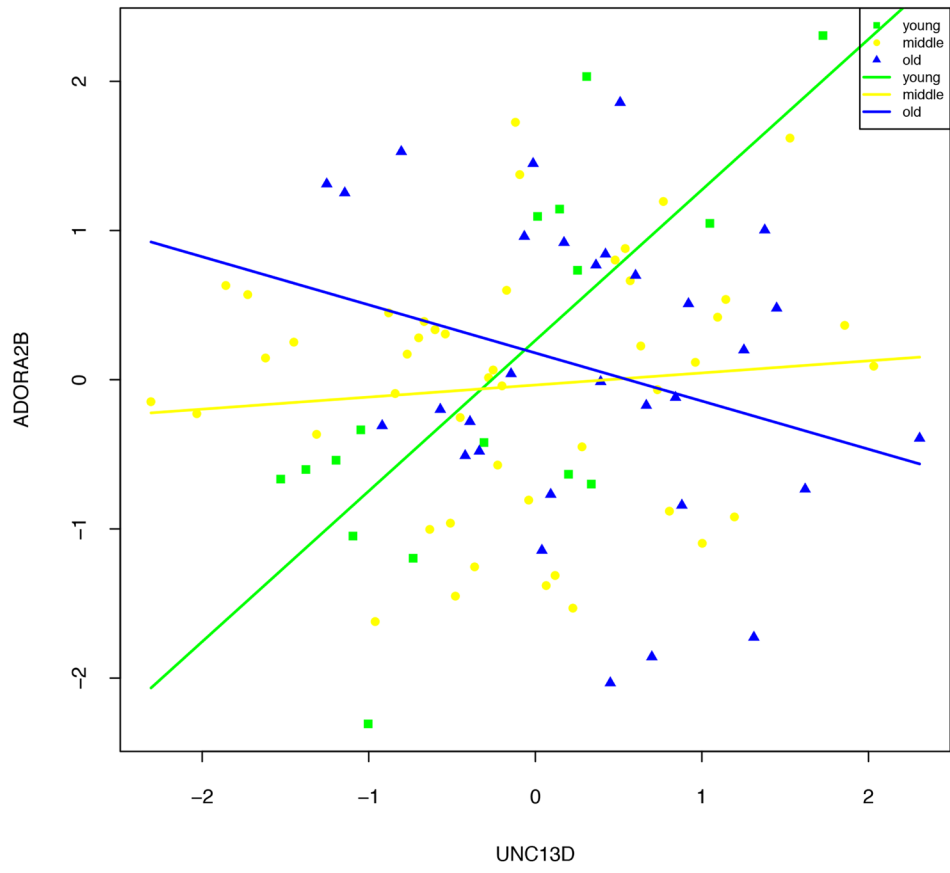
# Identification of human age-associated gene co-expressions in functional modules using liquid association

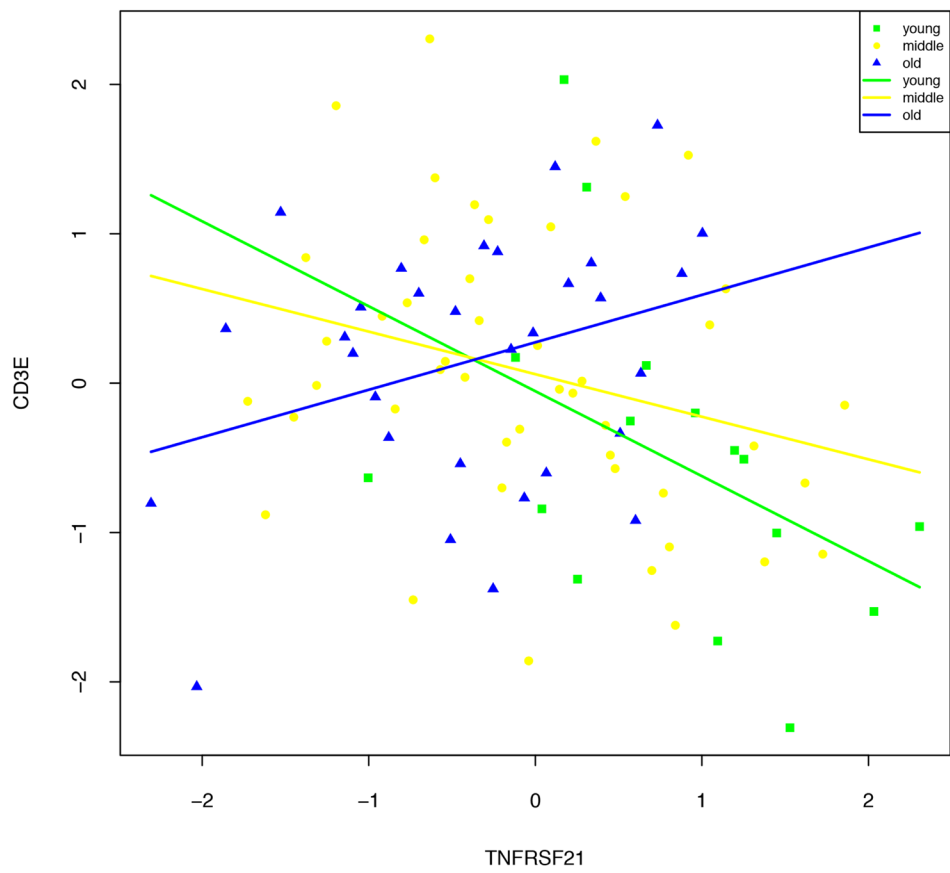
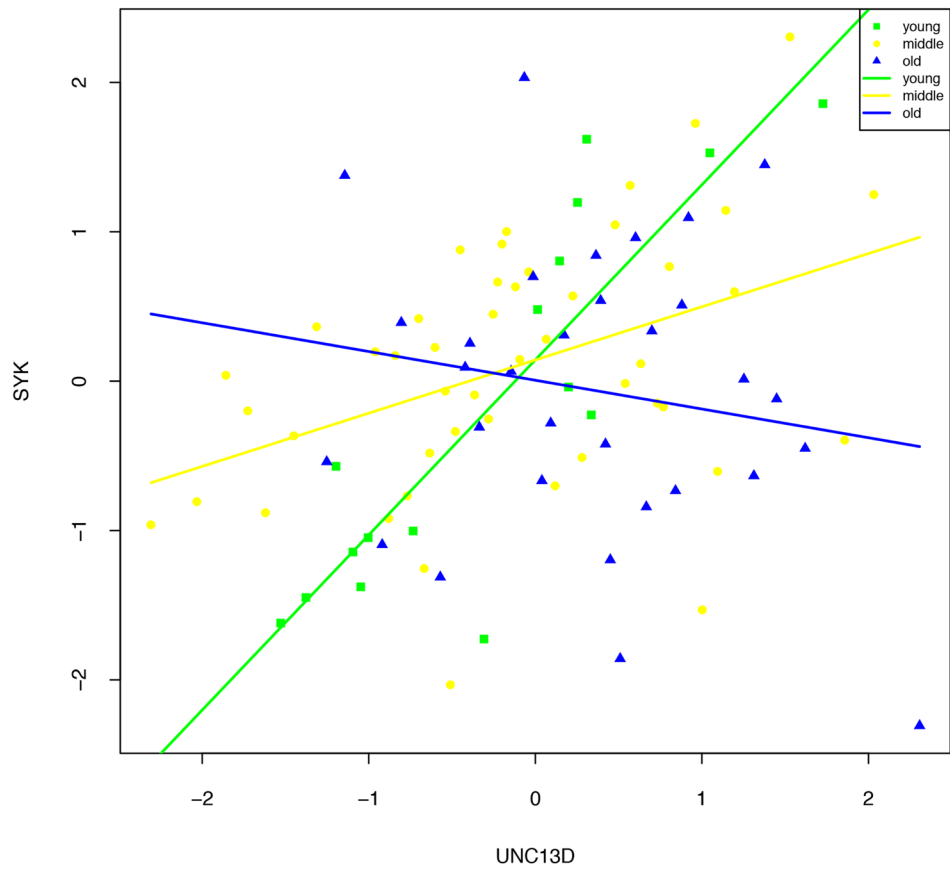
## SUPPLEMENTARY MATERIALS

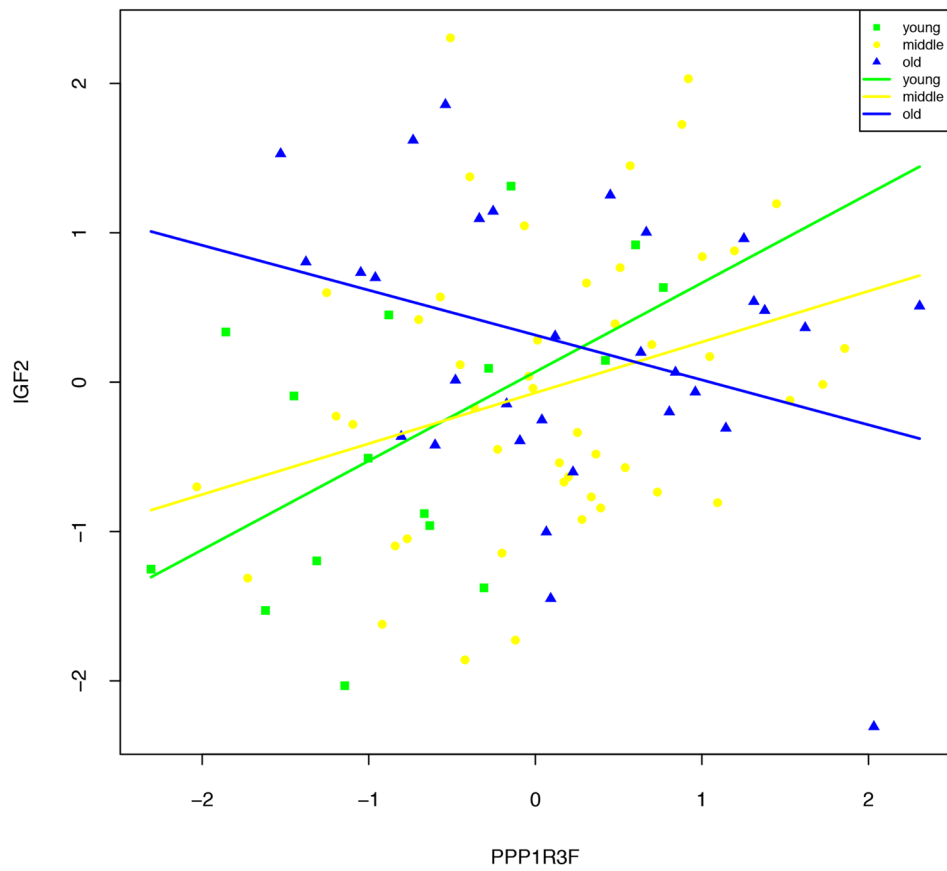
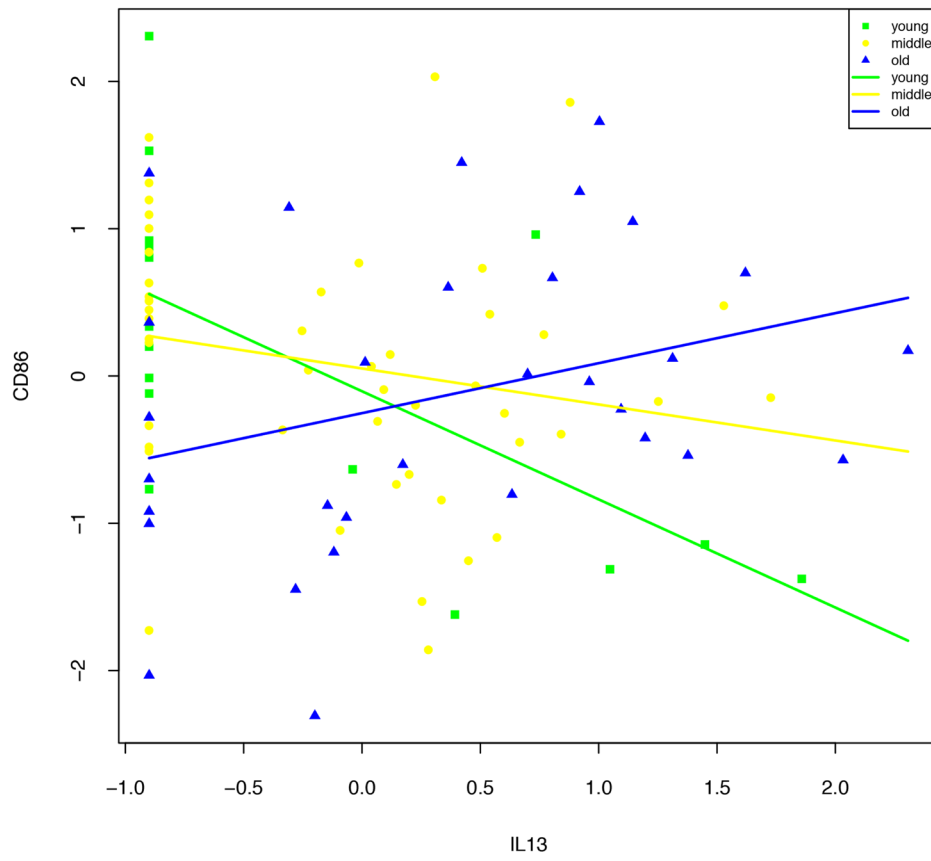


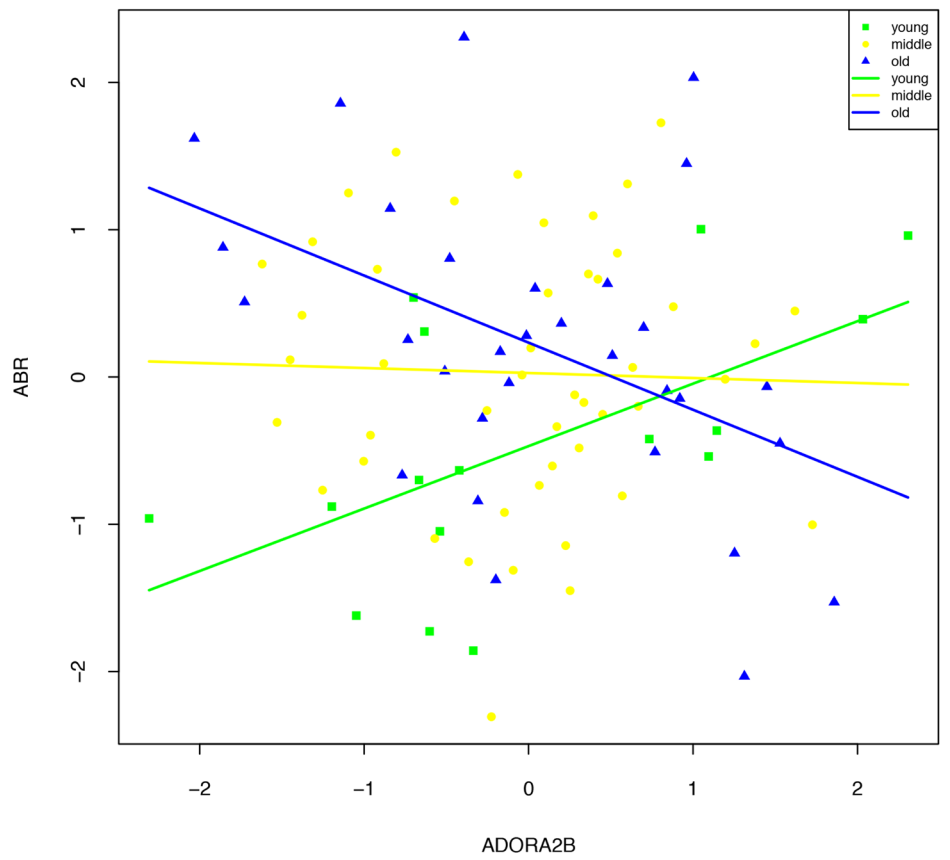
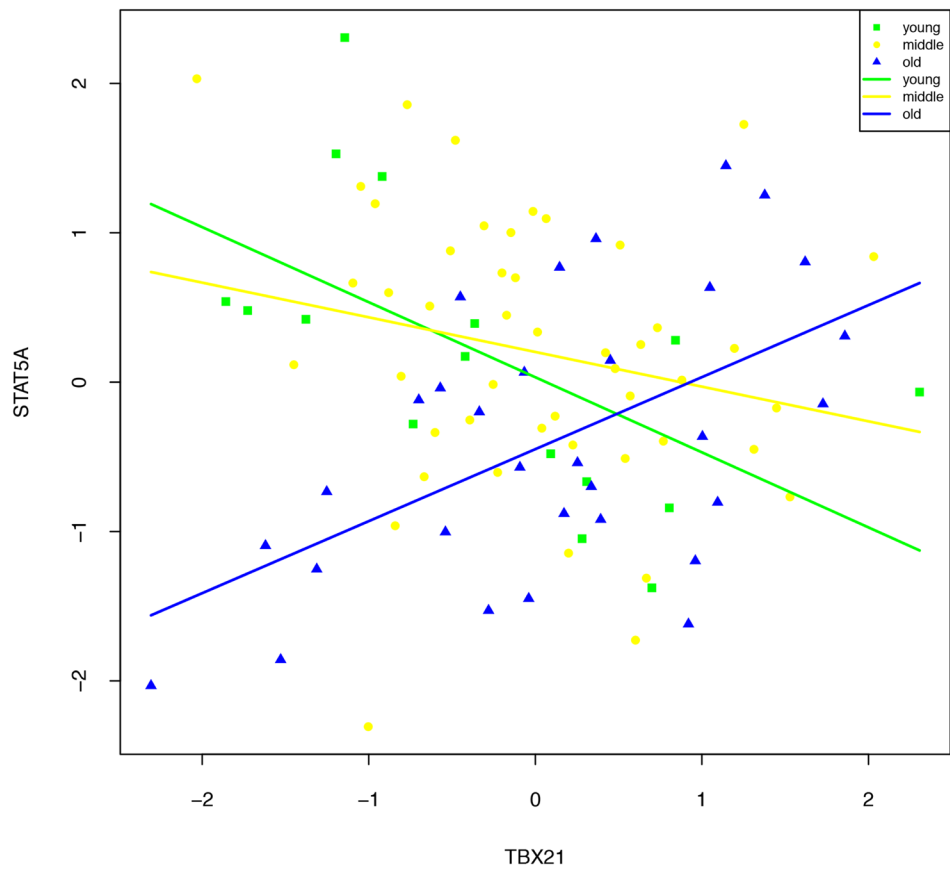


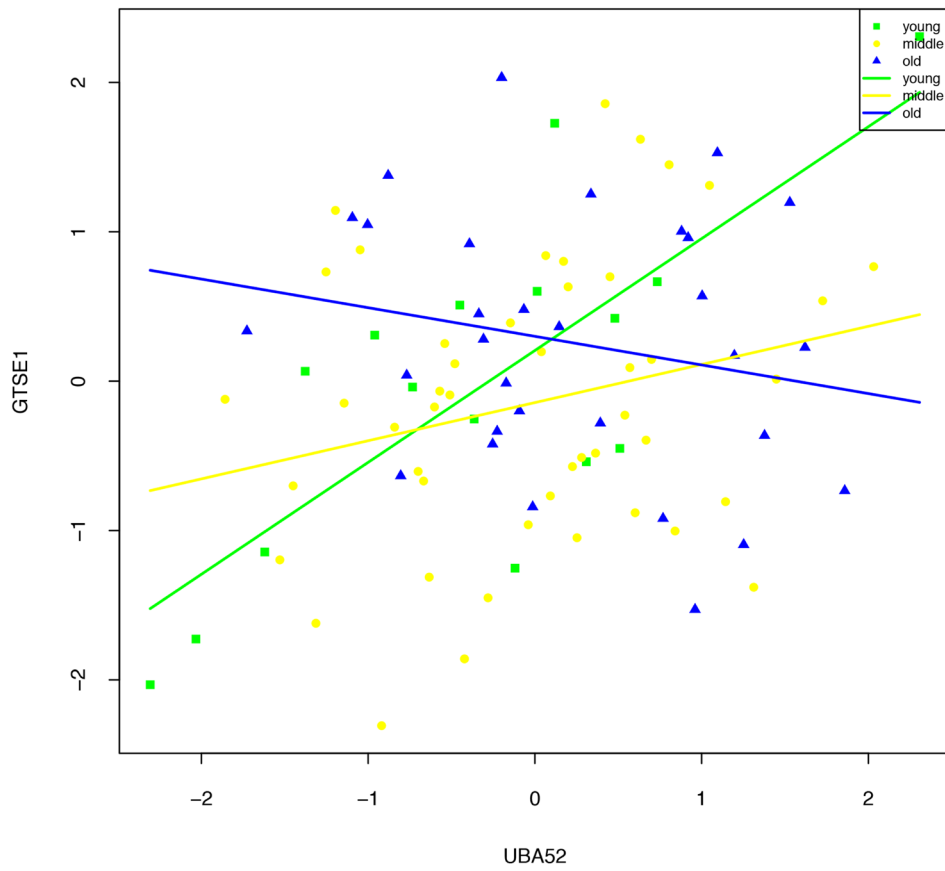
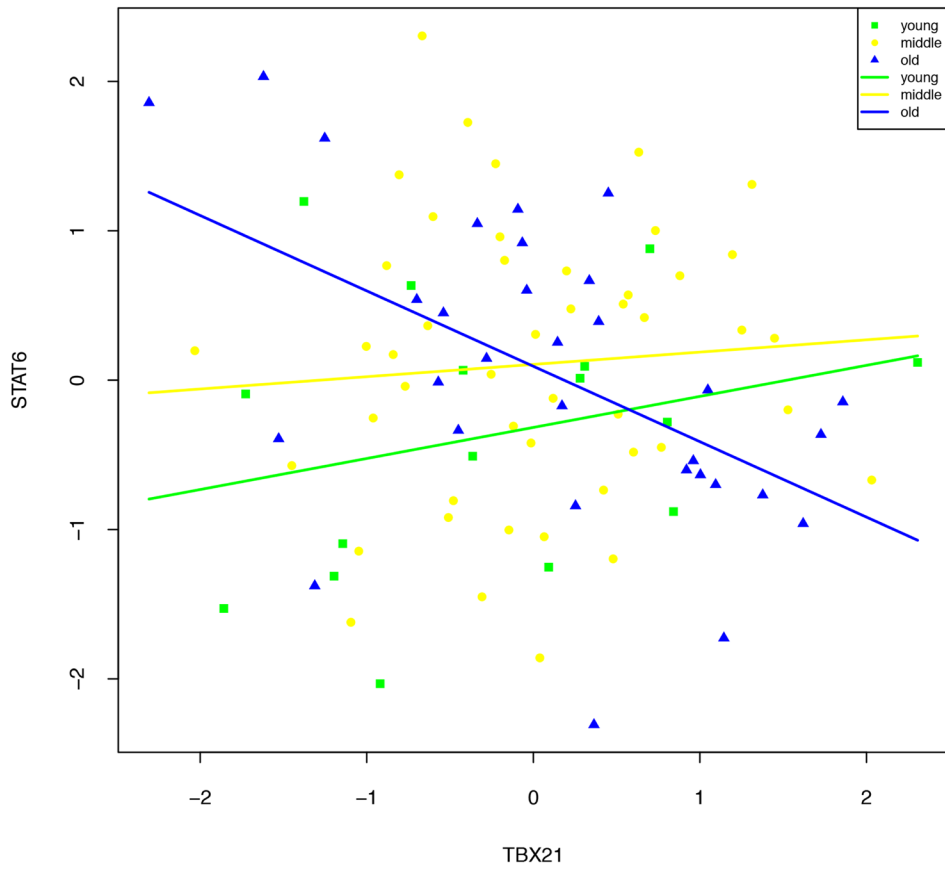




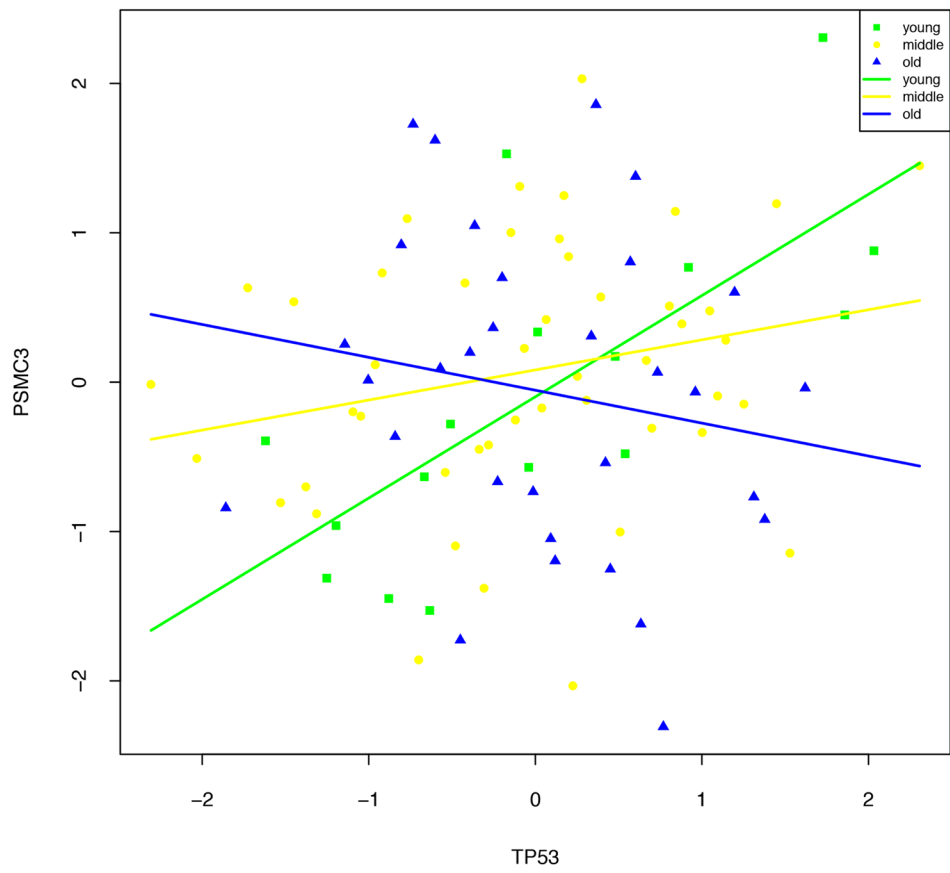
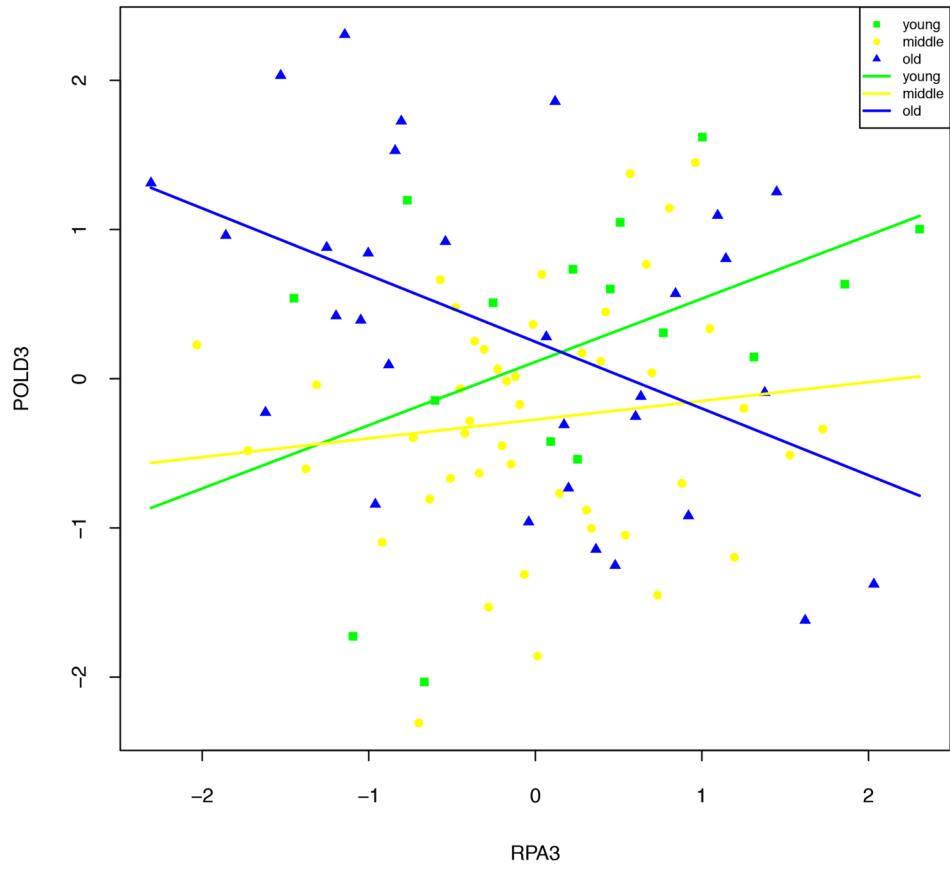


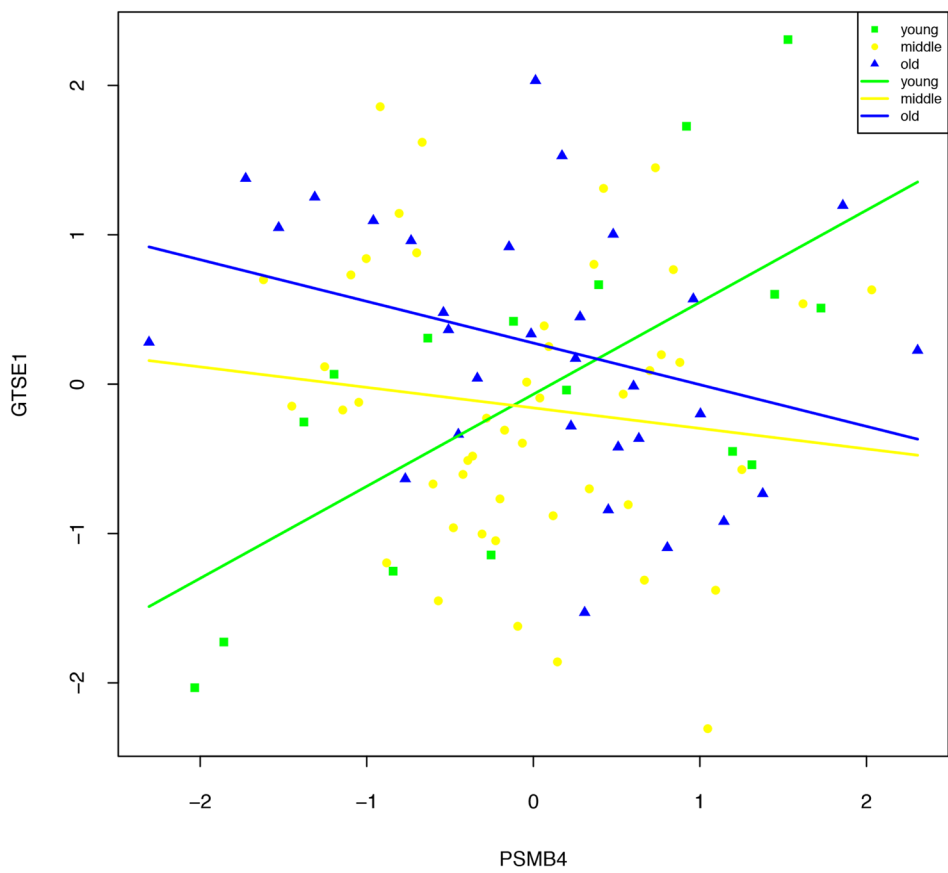
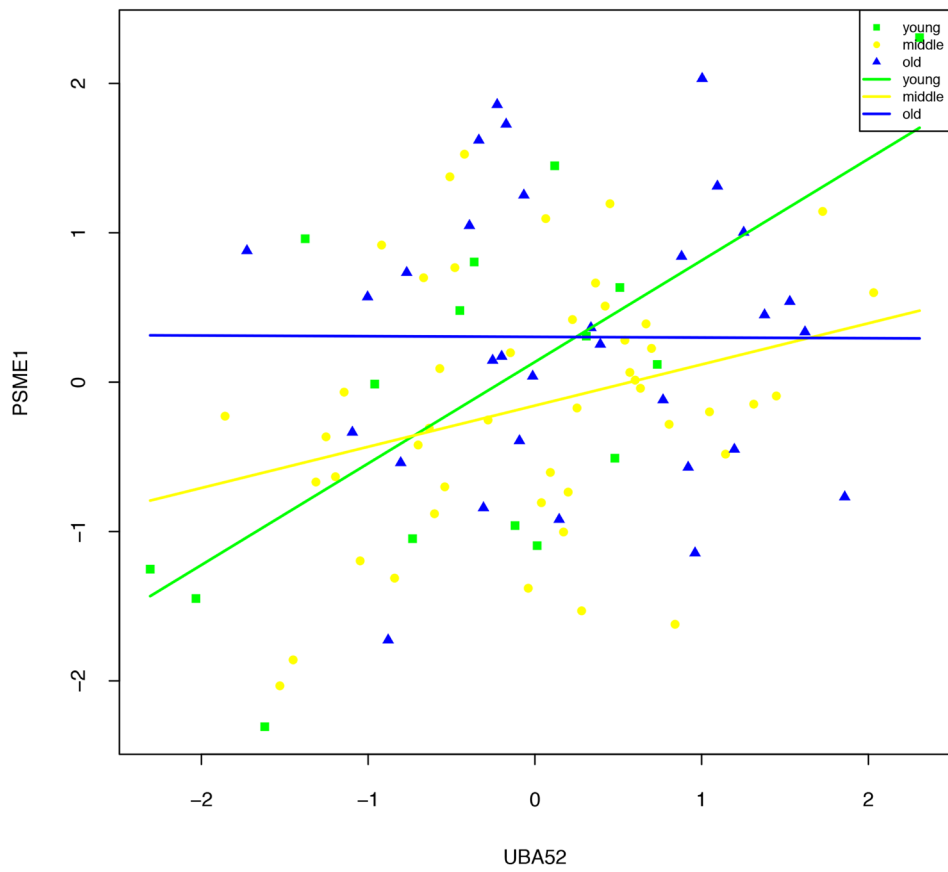


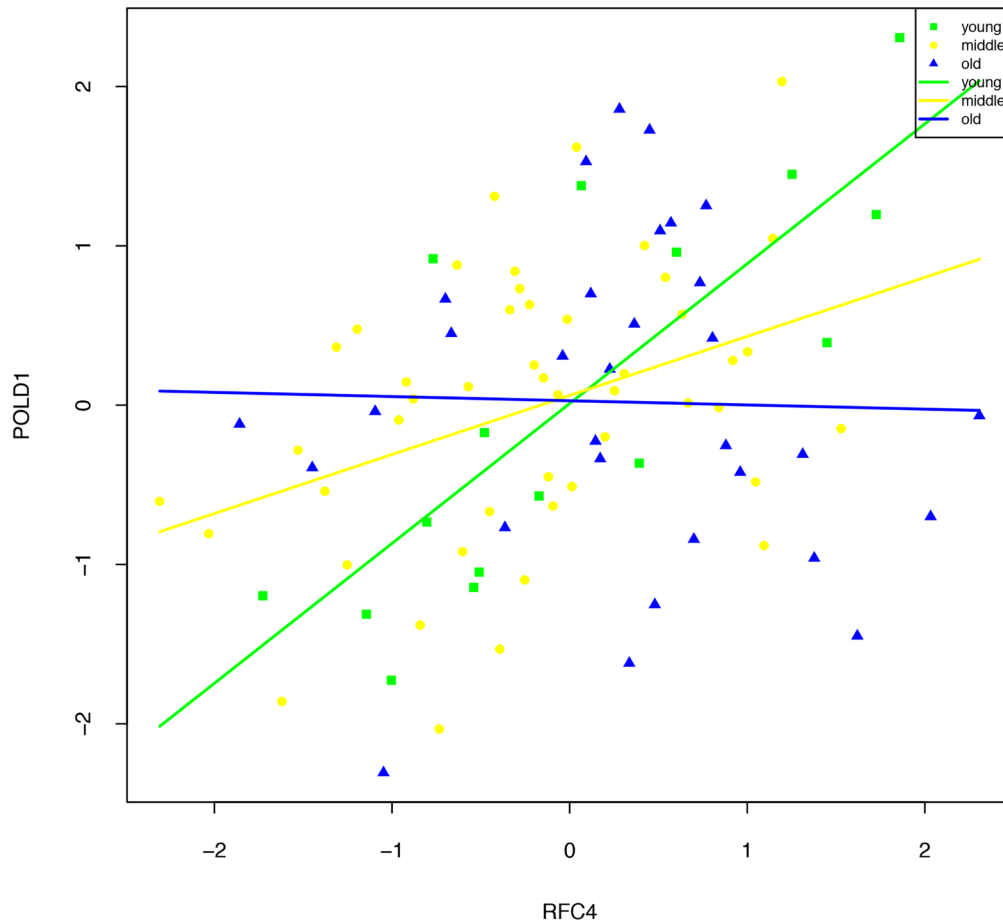












**Supplementary Figure 1: Group-based gene-gene correlation of top 20 age-associated gene co-expressions for adipose tissue.**

**Supplementary Table 1: Liquid associated gene pairs sorted by their occurrences at GO and KEGG modules.** See Supplementary\_Table\_1

**Supplementary Table 2: Fisher exact test results of the detected gene pairs by liquid association and Pearson correlation coefficient.** See Supplementary\_Table\_2

**Supplementary Table 3: Functional annotations by the David tools for all the tissues.** See Supplementary\_Table\_3

**Supplementary Table 4: Results of testing the consistency of drug perturbation genes with significant up-regulated genes and down regulated genes for 4295 drugs.** See Supplementary\_Table\_4