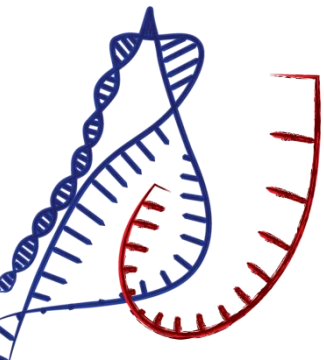

Genome Wide Analysis Studies

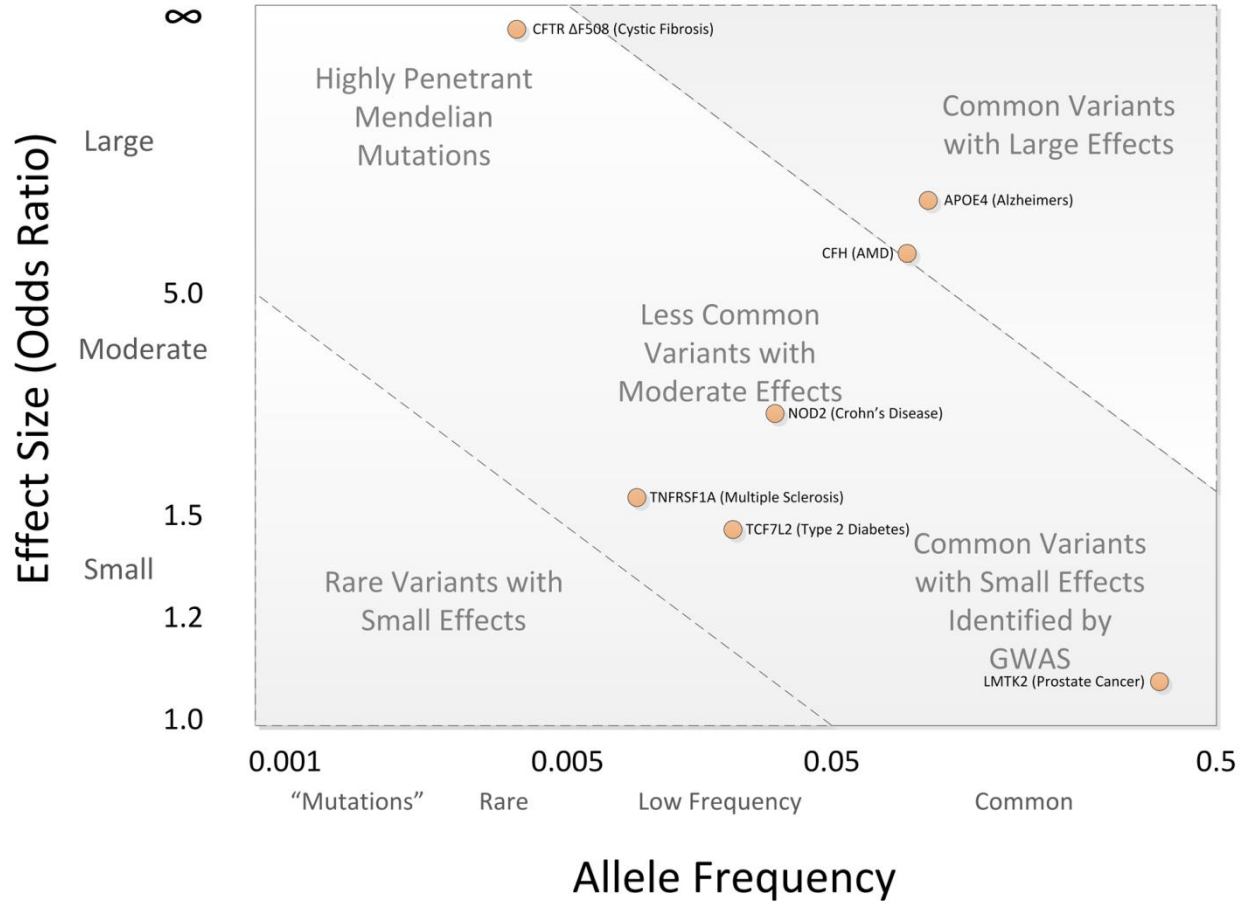
Marc Vaudel

*Center for Medical Genetics and Molecular Medicine,
Haukeland University Hospital, Bergen, Norway*

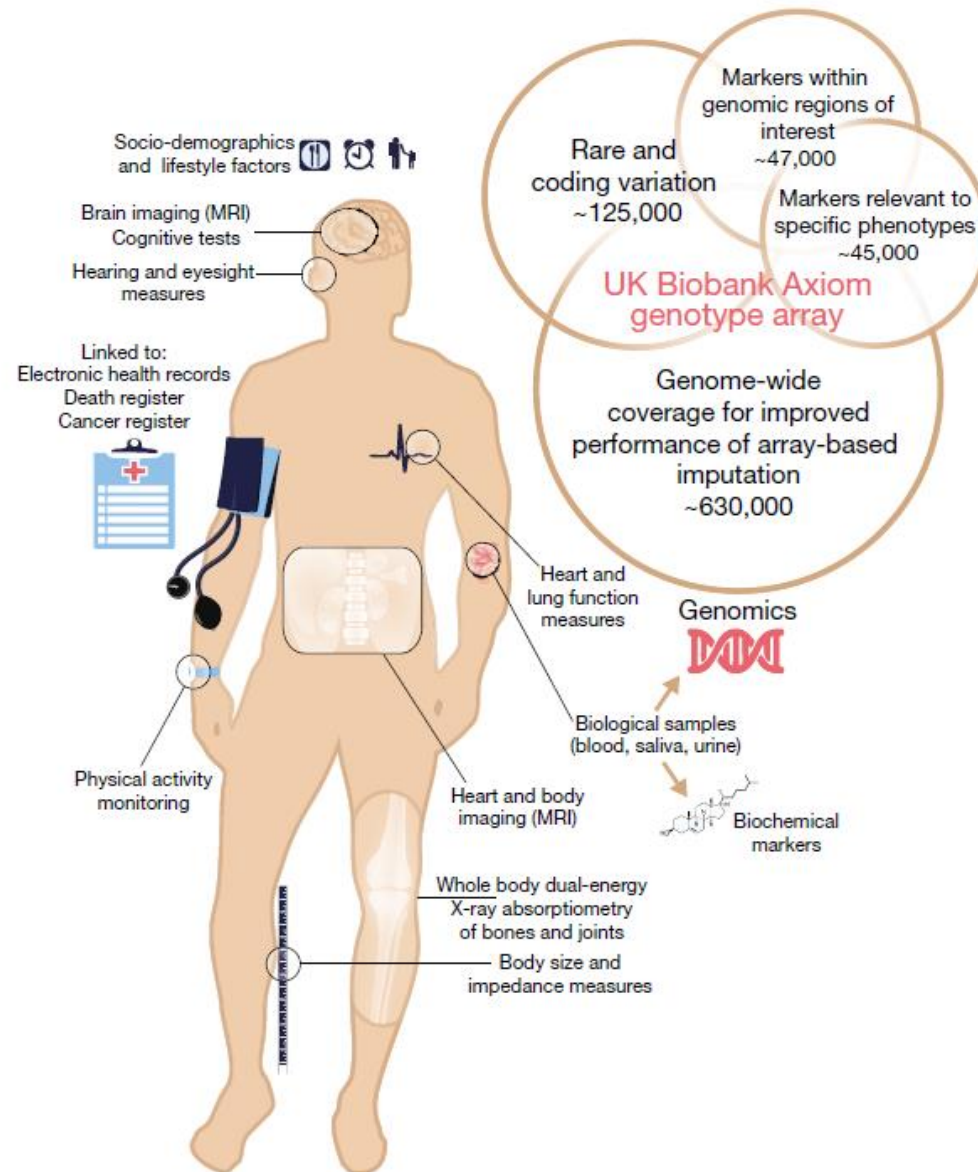
*KG Jebsen Center for Diabetes Research, Department of Clinical Science,
University of Bergen, Norway*



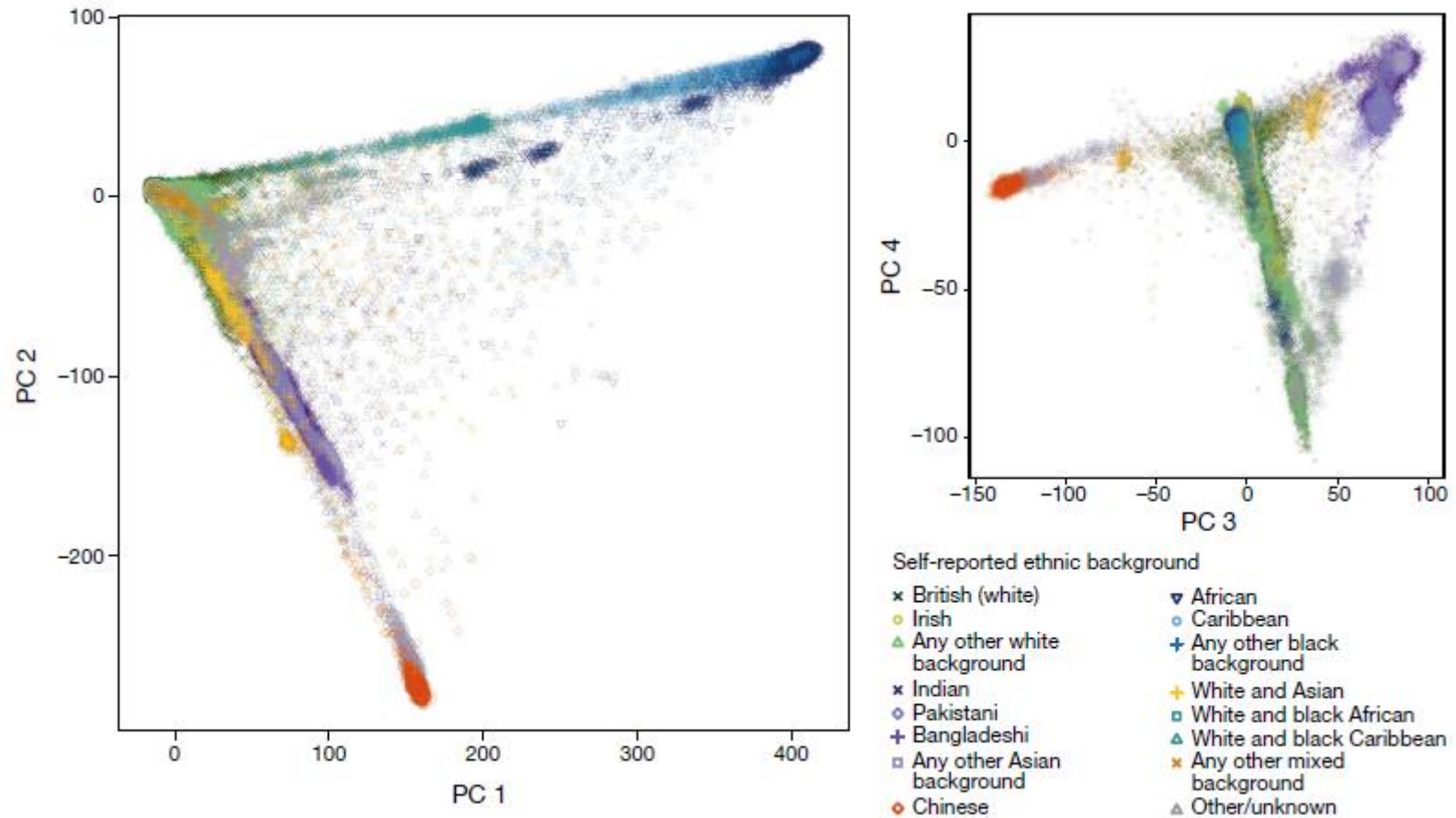
Association of SNP to phenotypic traits in a population



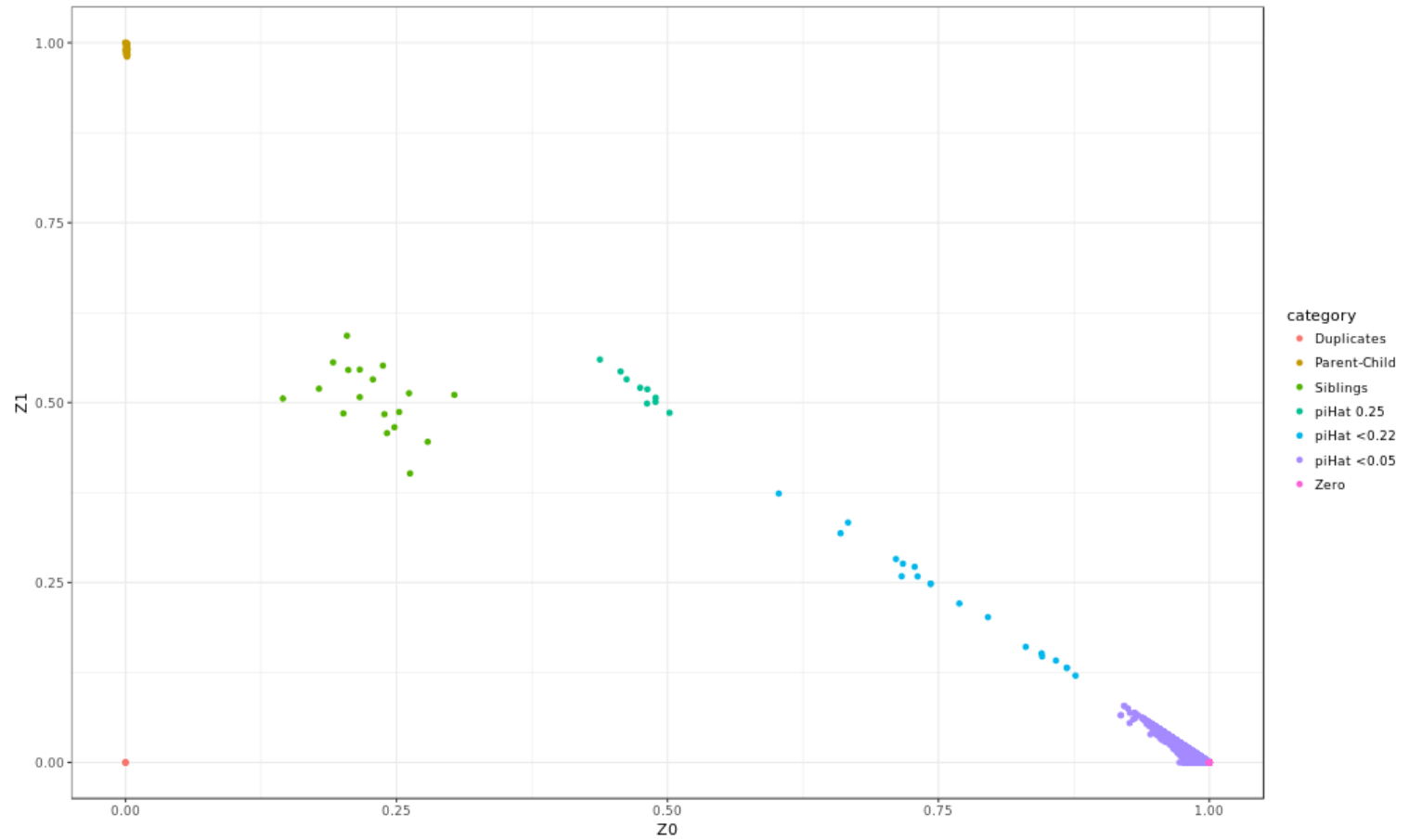
Genotyping in large cohorts



Admixture

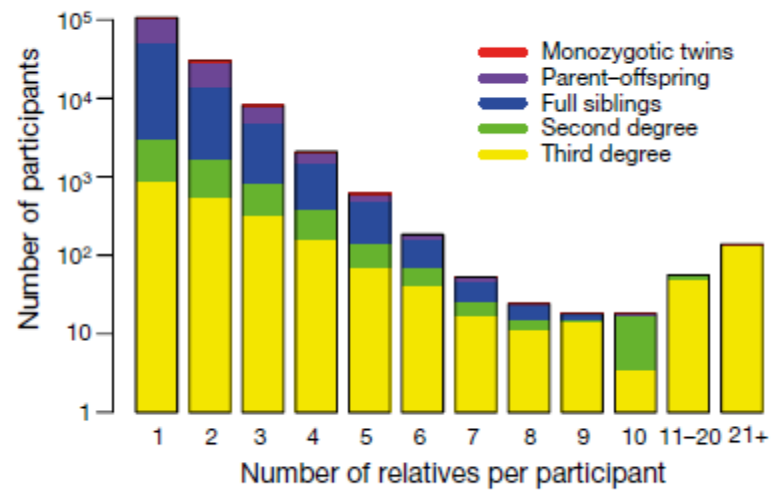


Relatedness

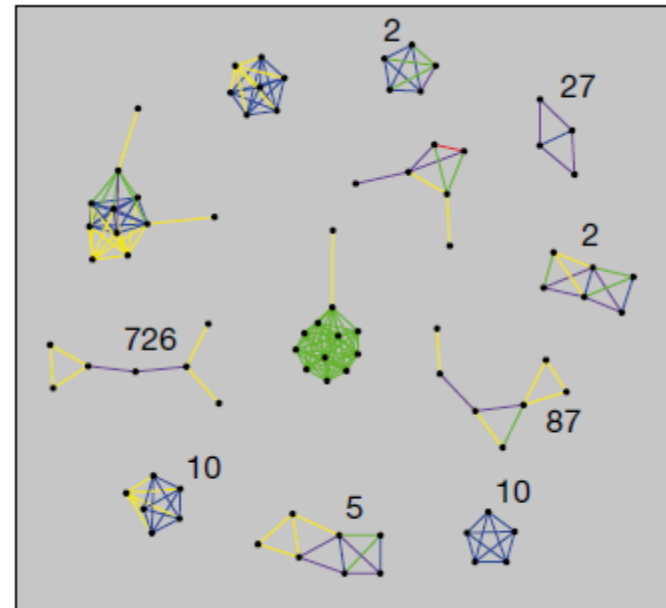


Genotyping in large cohorts

b

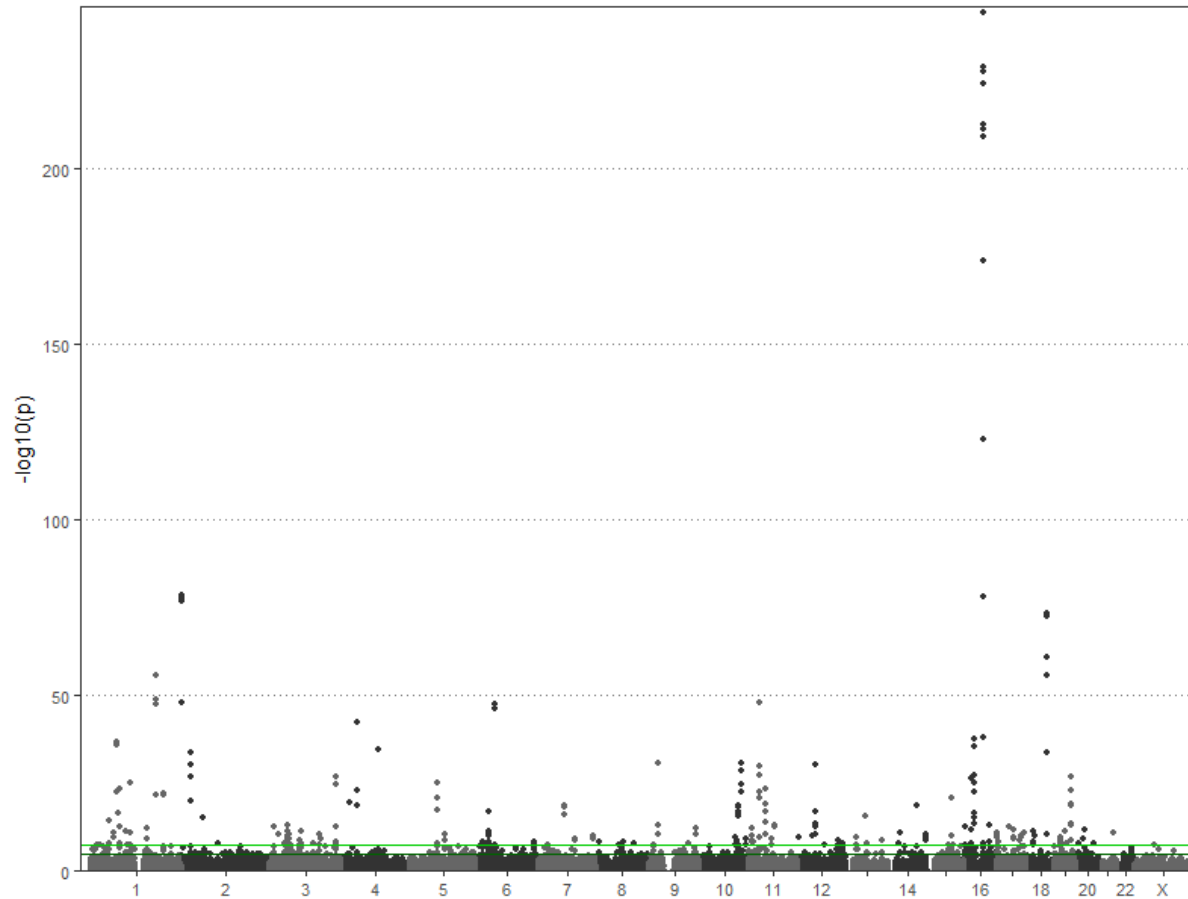


c



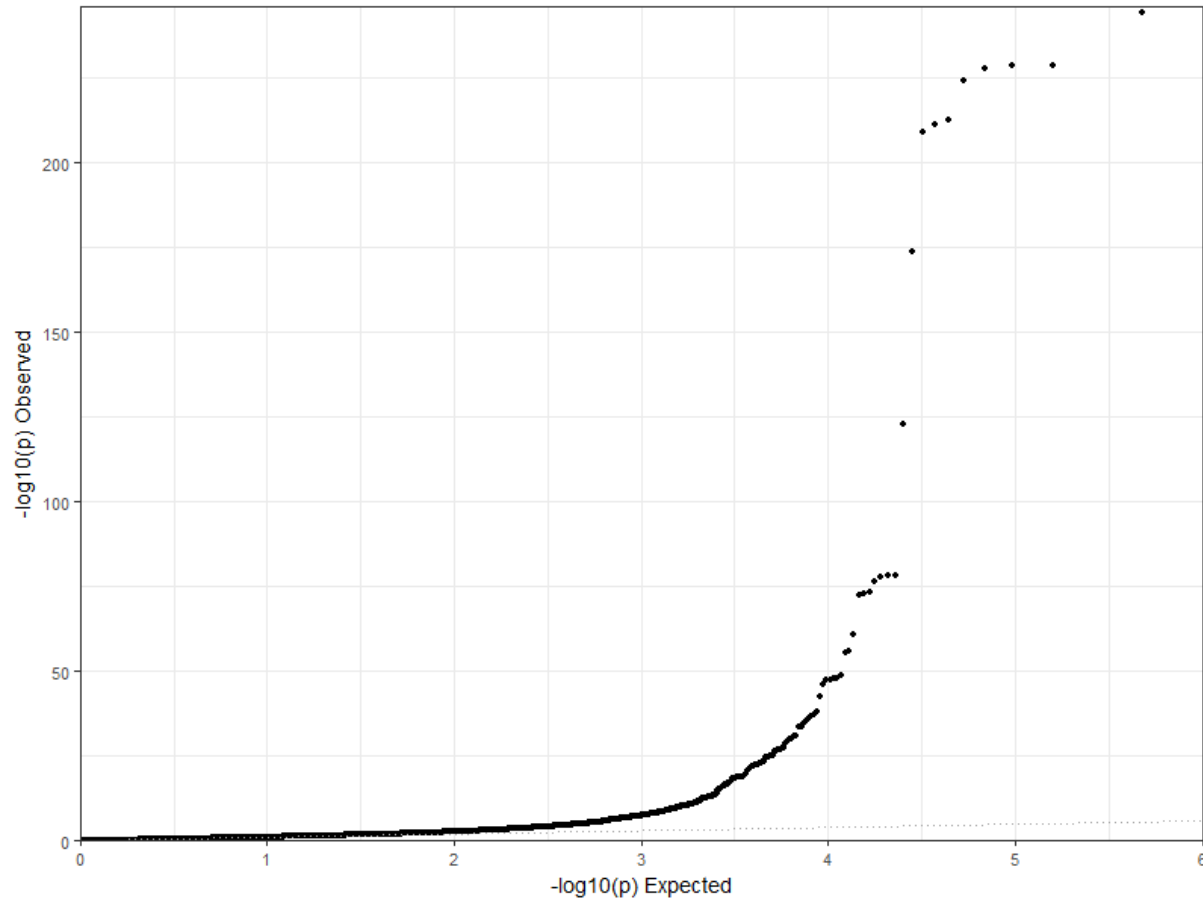
Genetic association

➡ Manhattan Plot



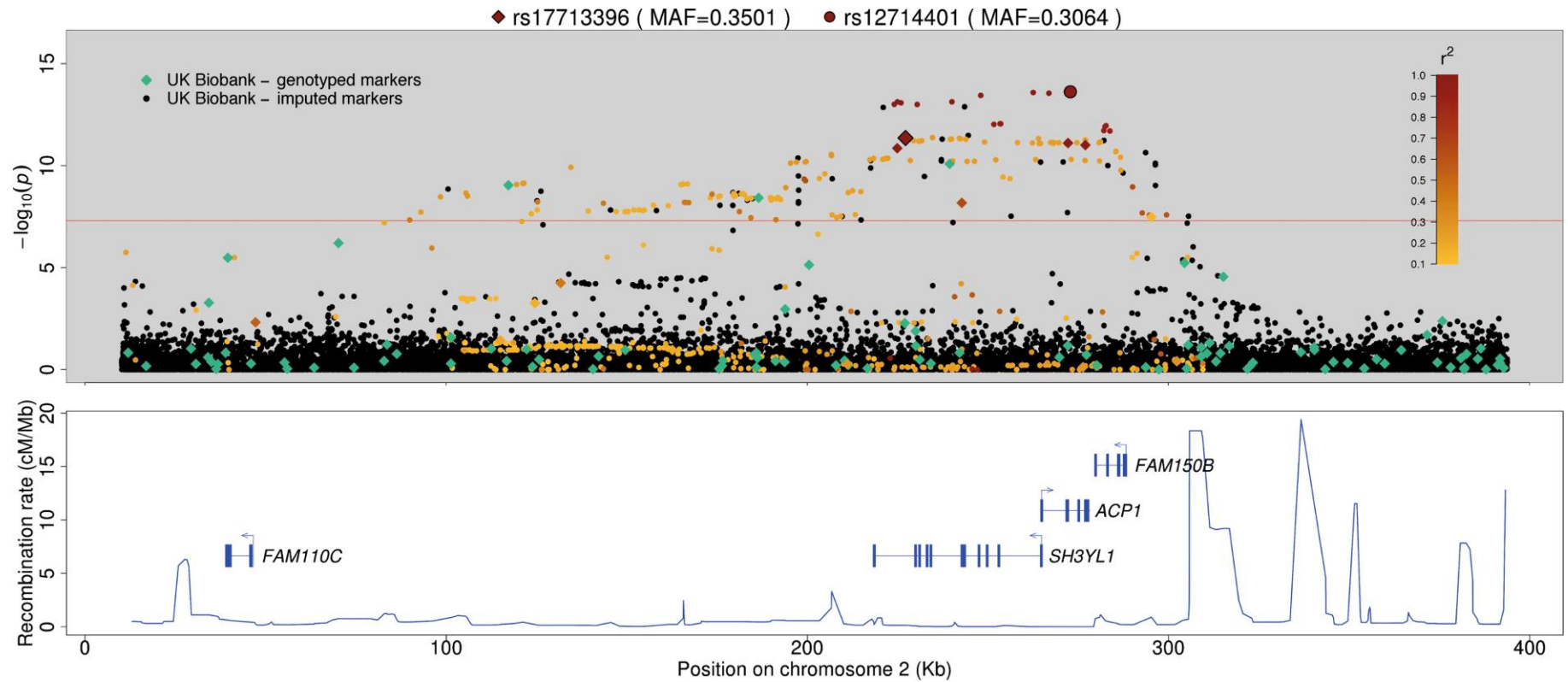
Genetic association

➡ QQ Plot

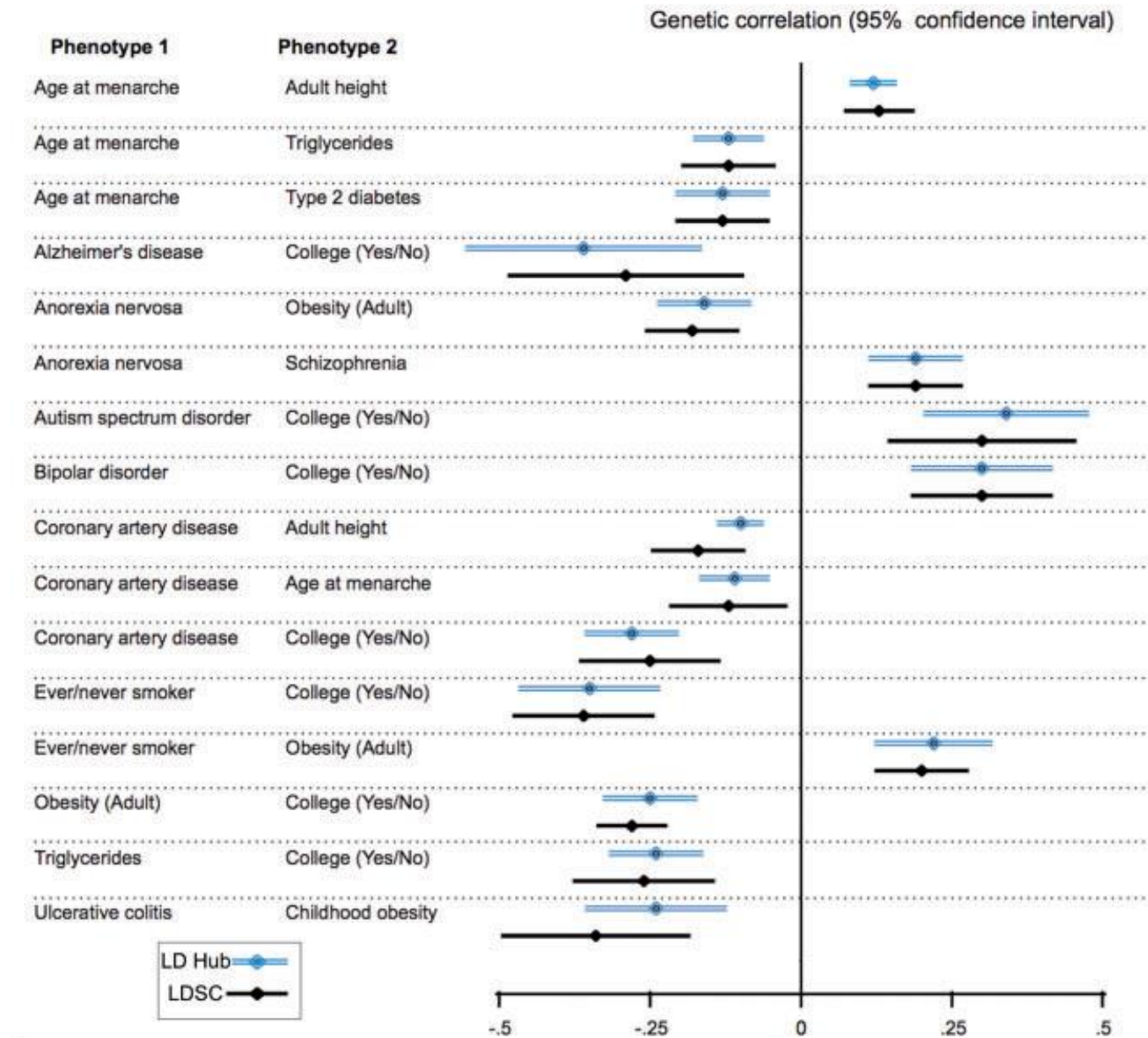


Genetic association

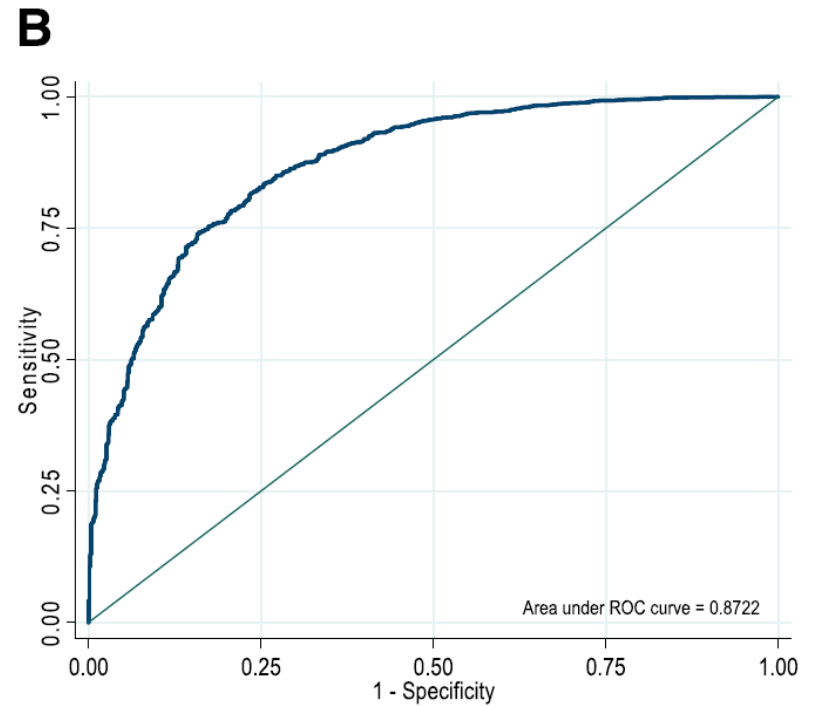
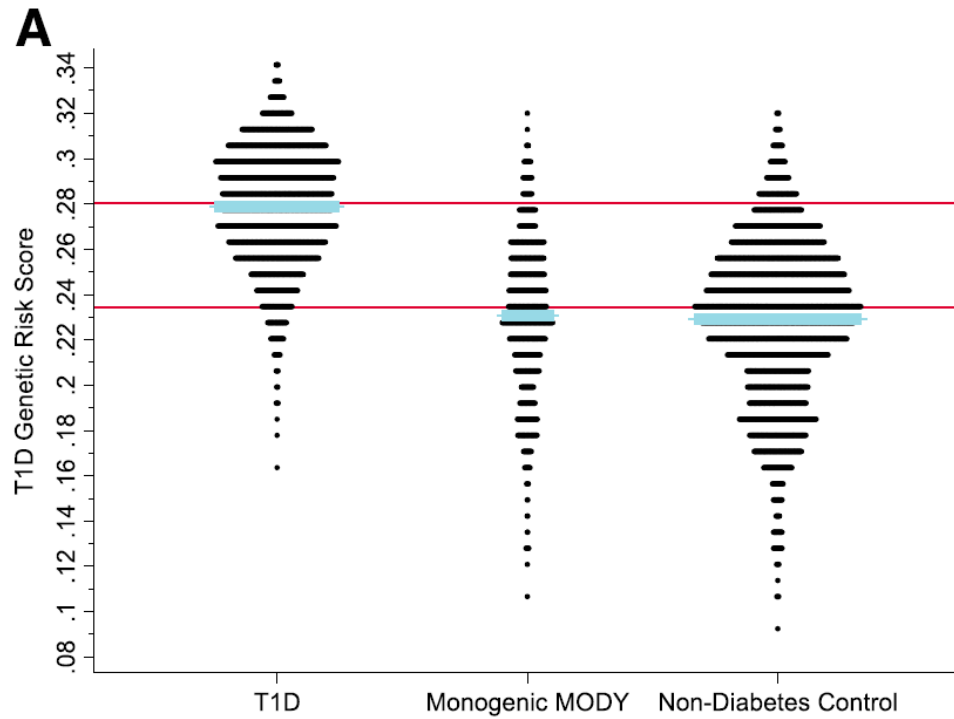
Regional Plot



LD score regression



Polygenic Risk Scores



From association to mechanism

