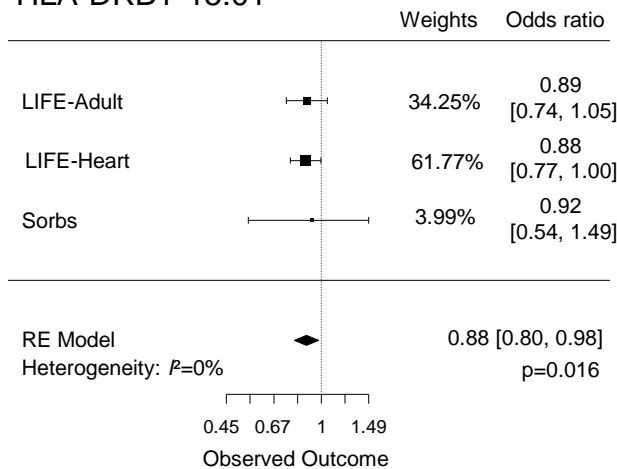
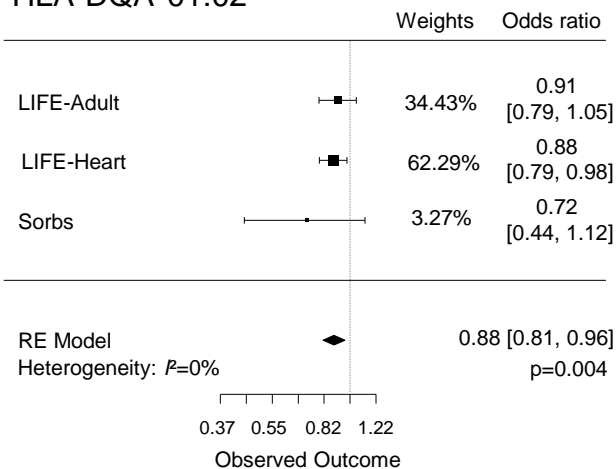


**Figure 3:** Significance plot for associations between HLA genotype and diabetes and related traits  
HbA1c: hemoglobin A1c; HOMA-IR: Homeostasis Modell Assessment of Insulin Resistance

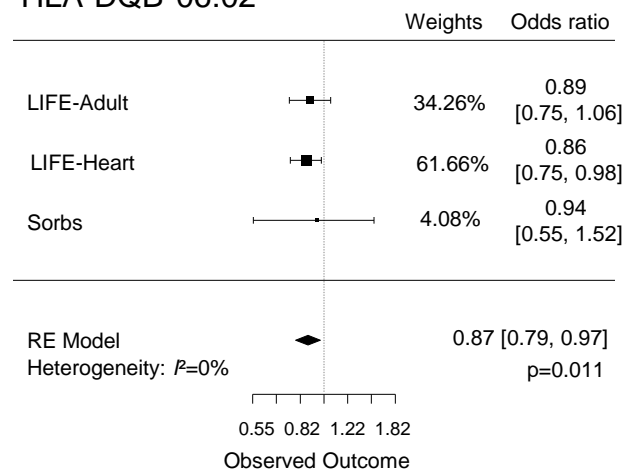
### HLA-DRB1\*15:01



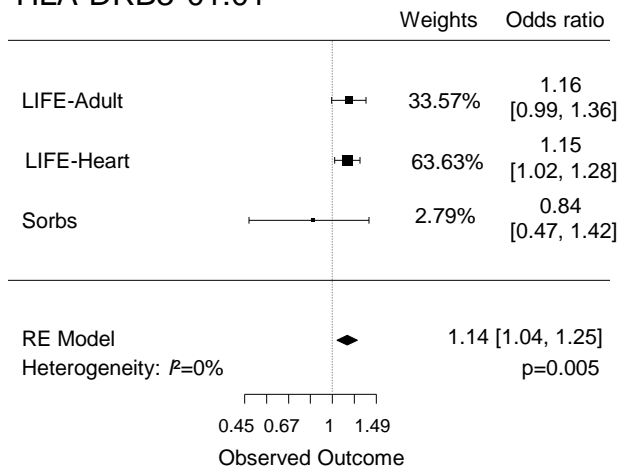
### HLA-DQA\*01:02



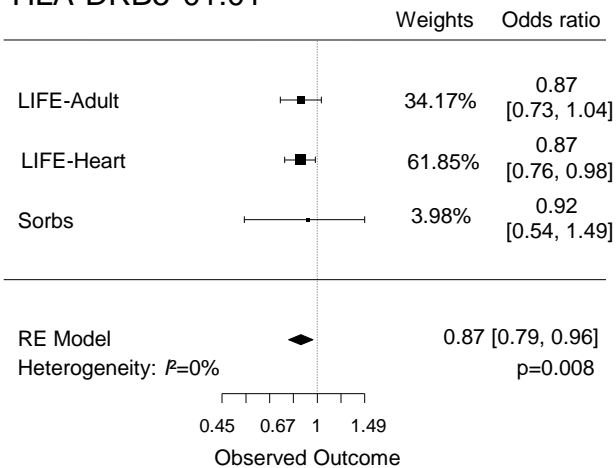
### HLA-DQB\*06:02



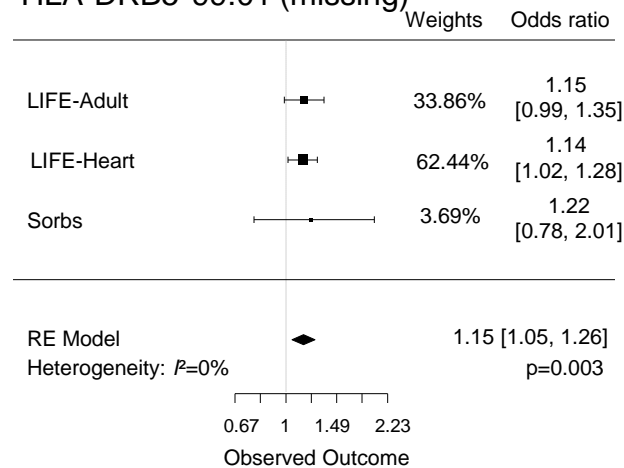
### HLA-DRB3\*01:01



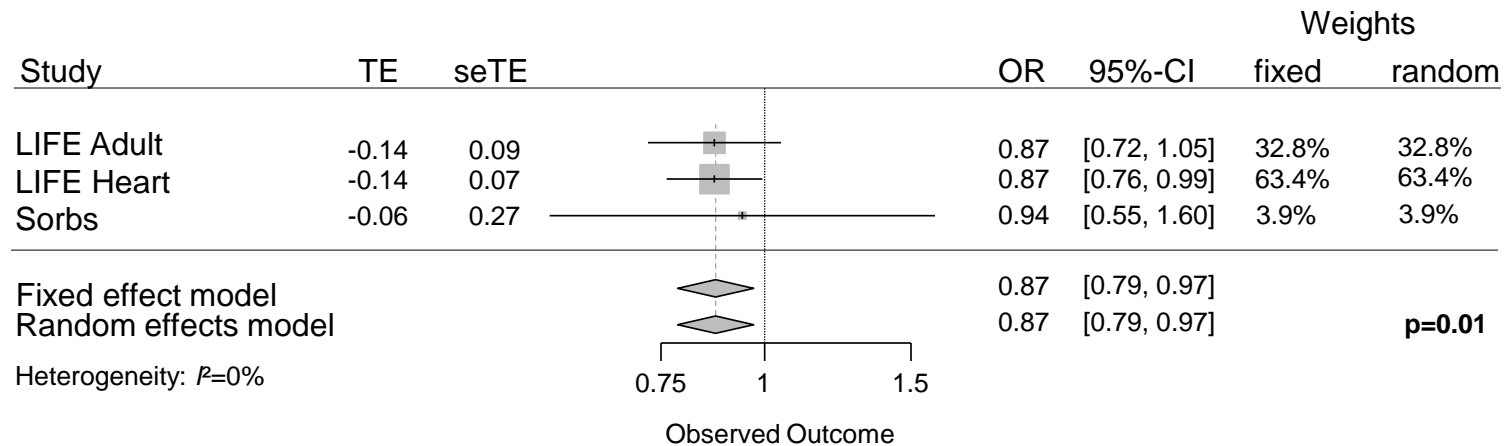
### HLA-DRB5\*01:01



### HLA-DRB5\*99:01 (missing)



**Figure 4:** Meta-analysis of the HLA genes with type 2 diabetes  
RE: random effects model



**Figure 5:** Meta-analysis of the DRB1\*15:01~DQA1\*01:02~DQB1\*06:01 haplotype with type 2 diabetes