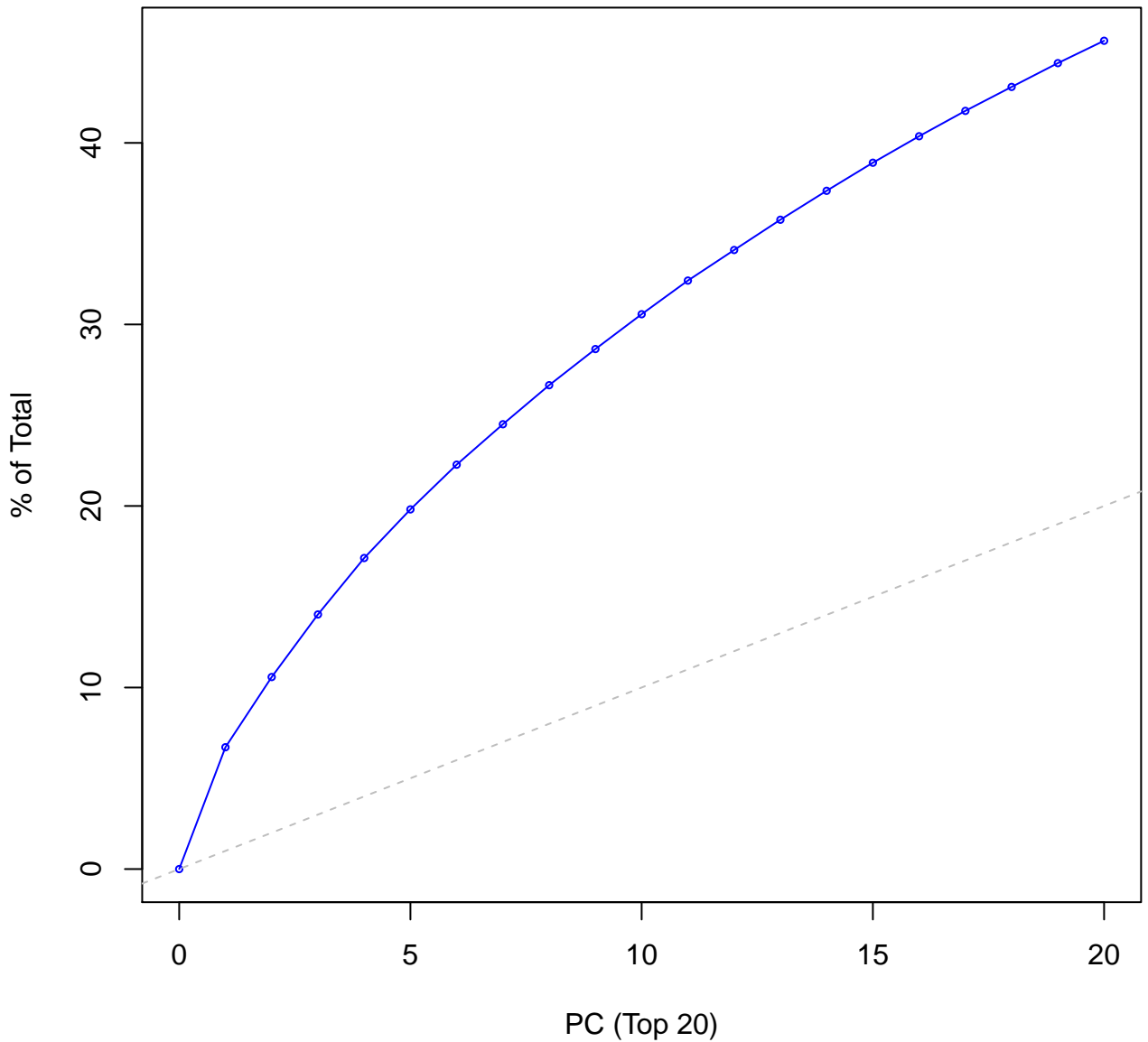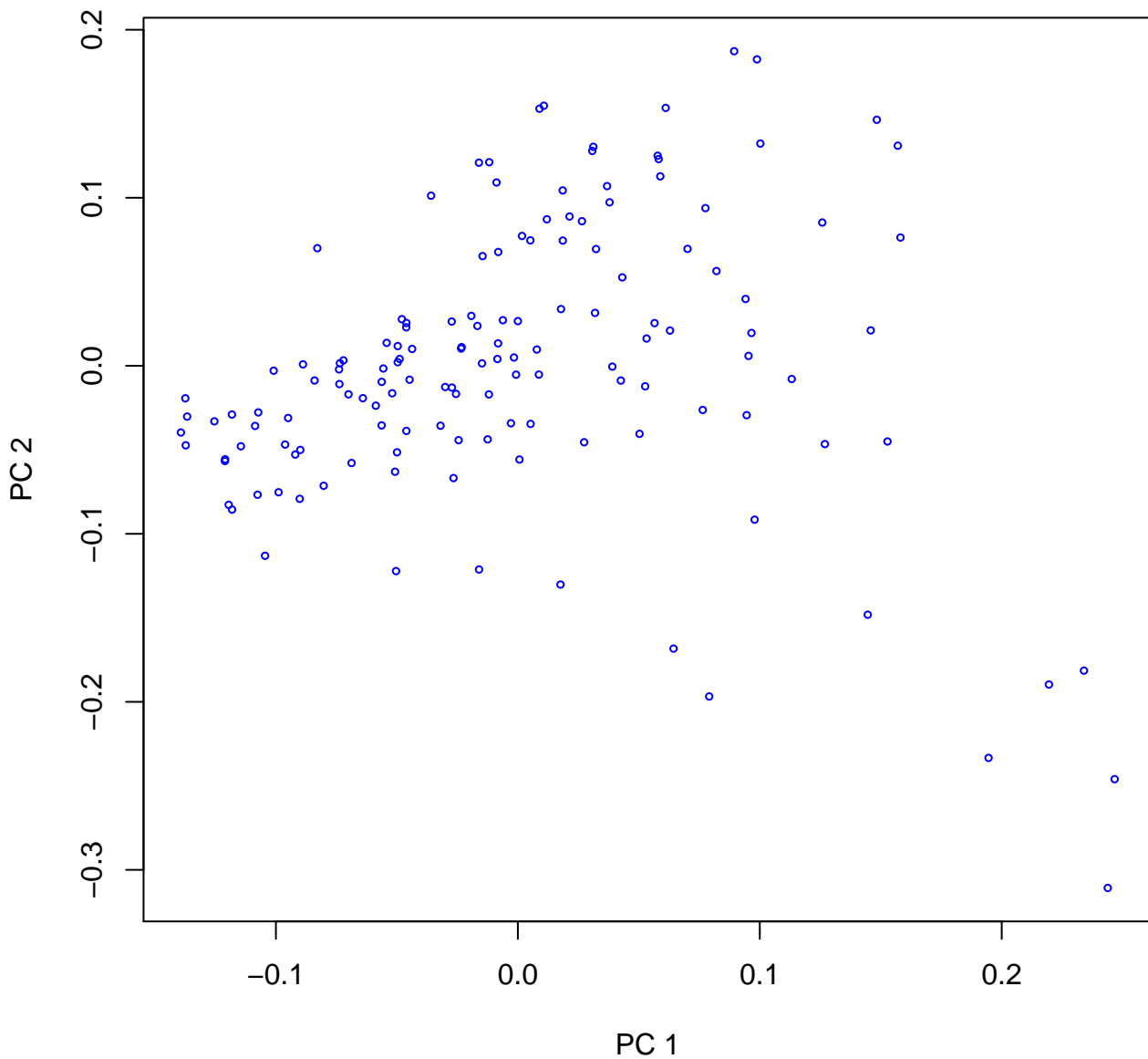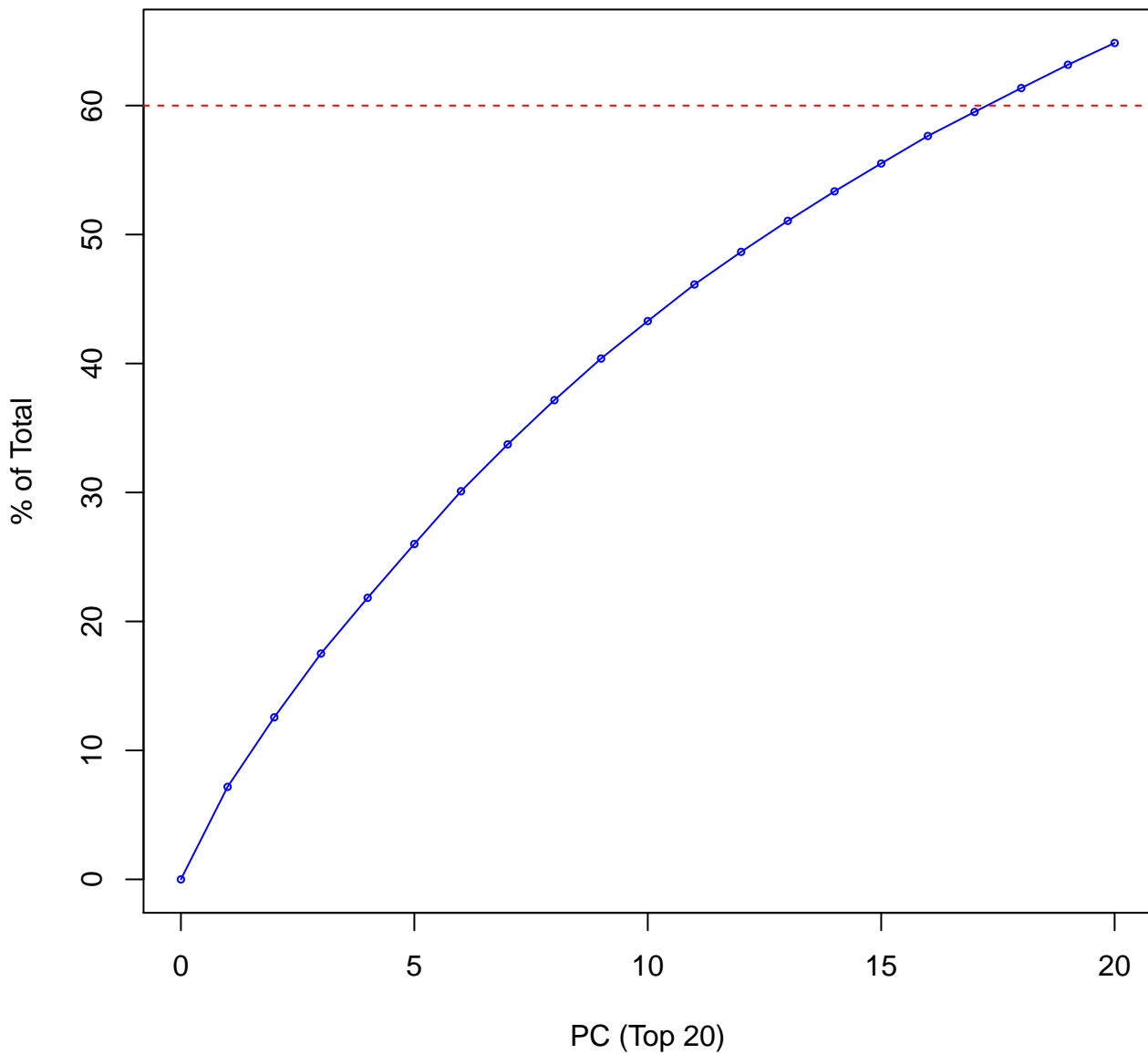**Genotypes: cumulative variance explained**
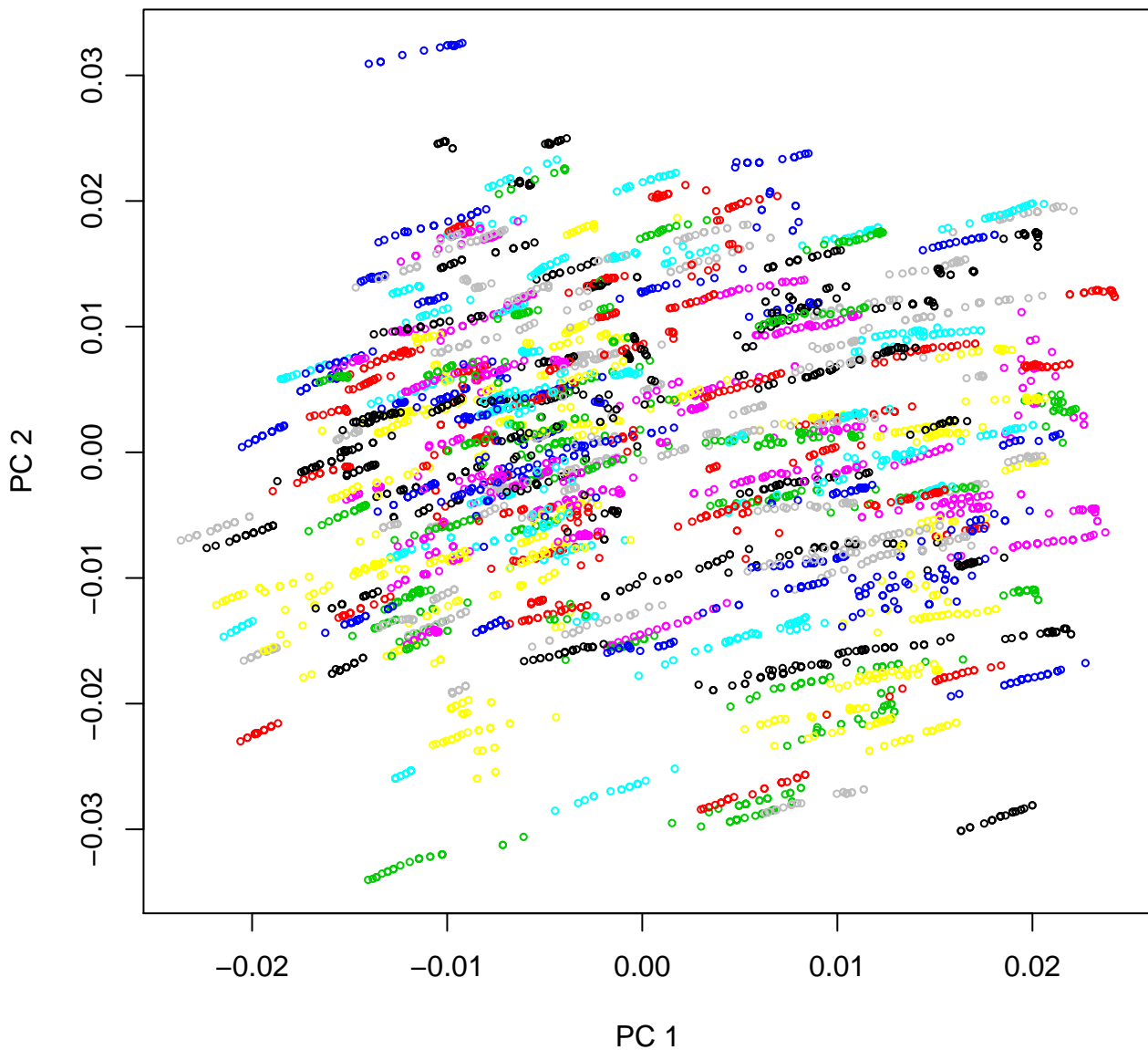
Genotypes: PC 1 vs PC 2

Env. Covariates: cumulative variance   plined

Env. Covariates: PC 1 vs PC 2 (by location)

Env. Covariates: PC 1 vs PC 2 (by region)