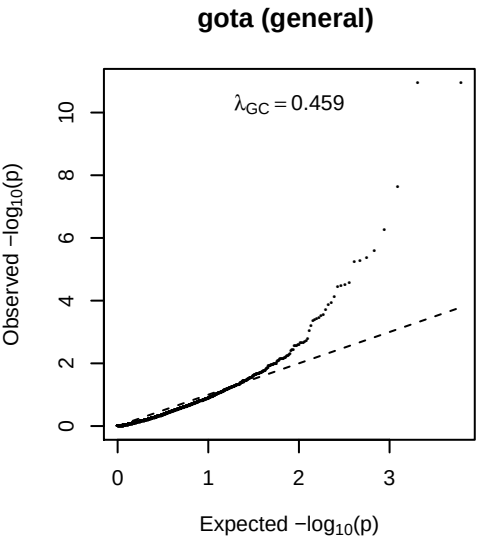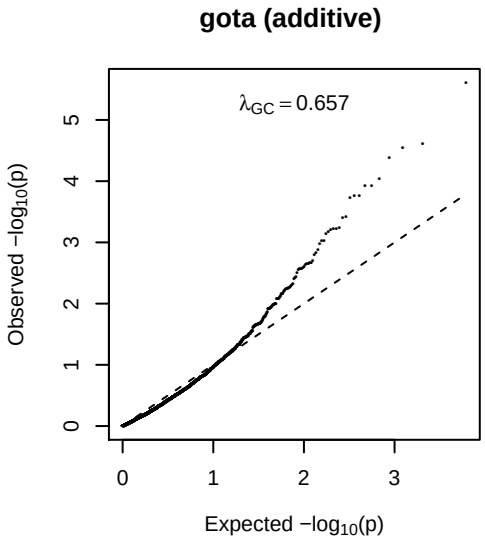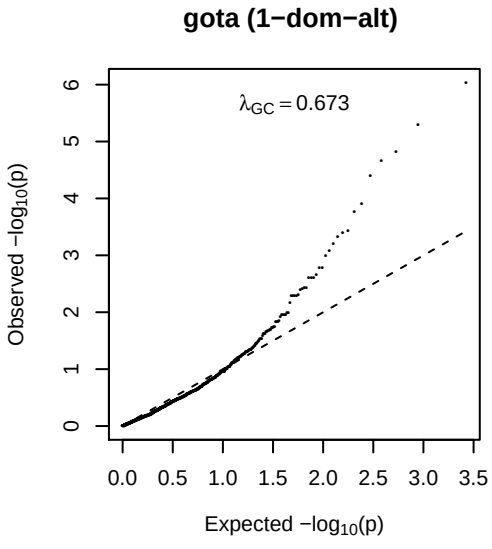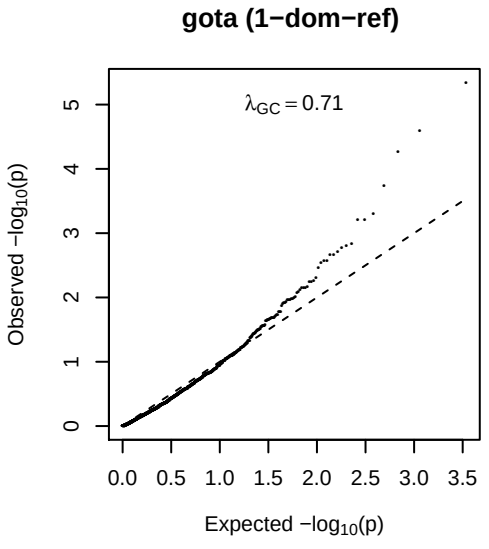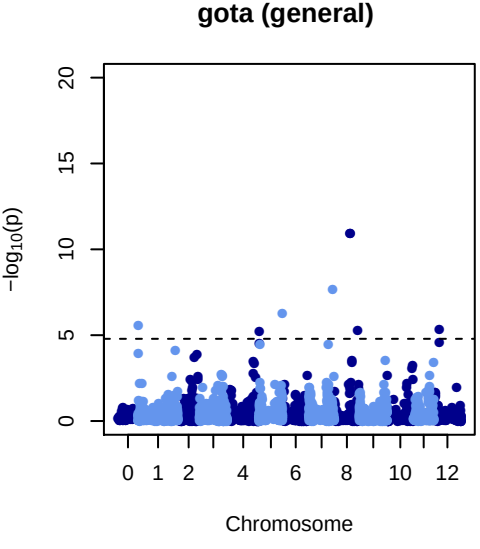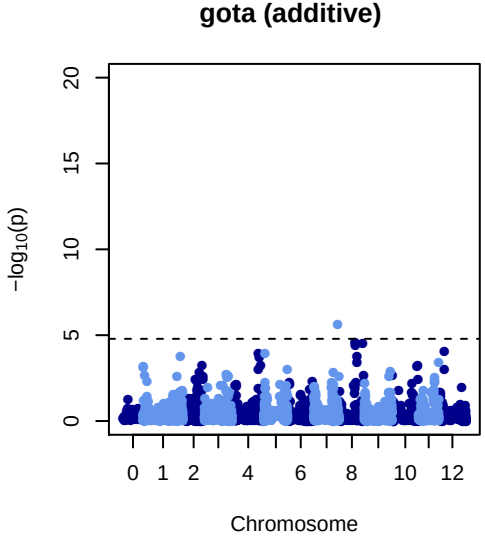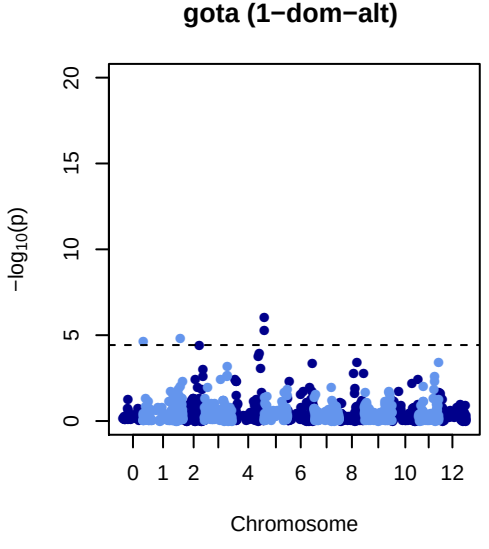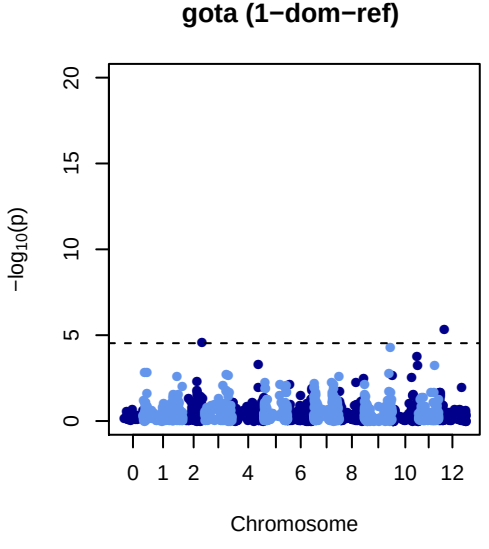GWAS 2−ploidy with Kinship for gota trait