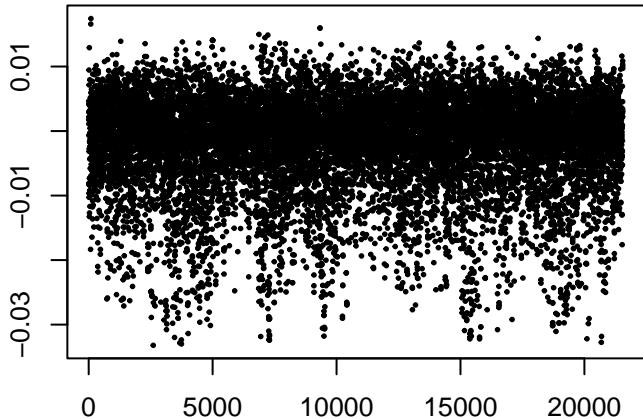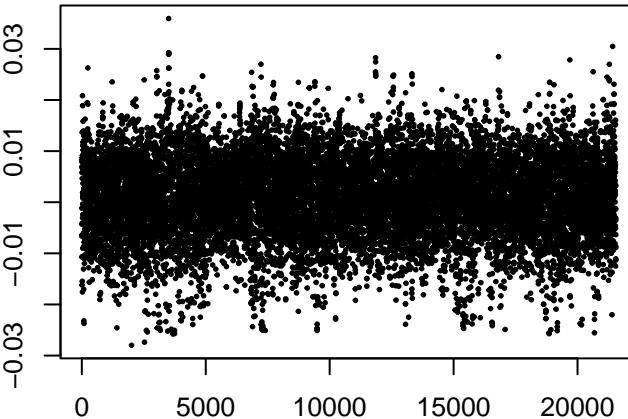MAF = 0.03, Method = mahalanobis