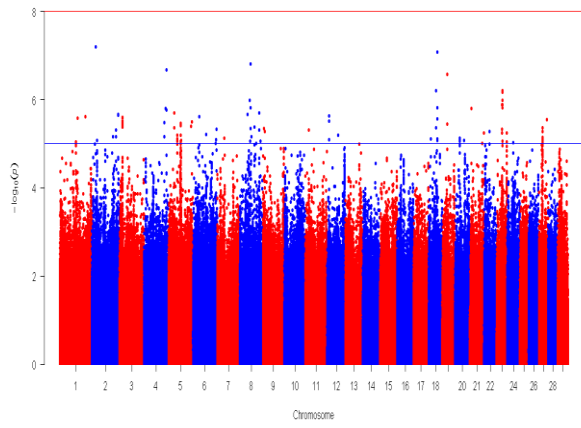
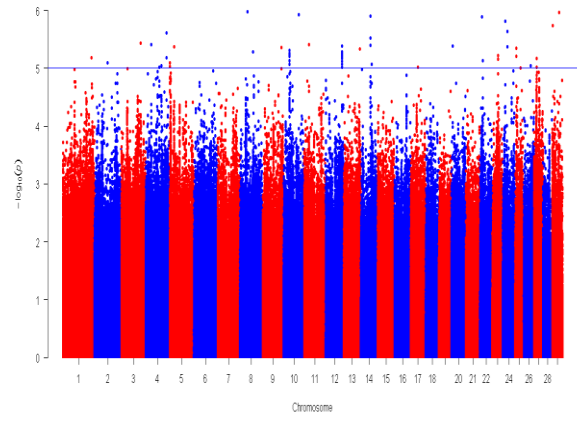


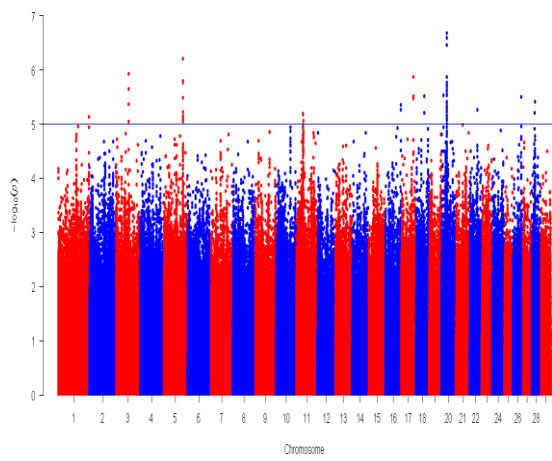
a)



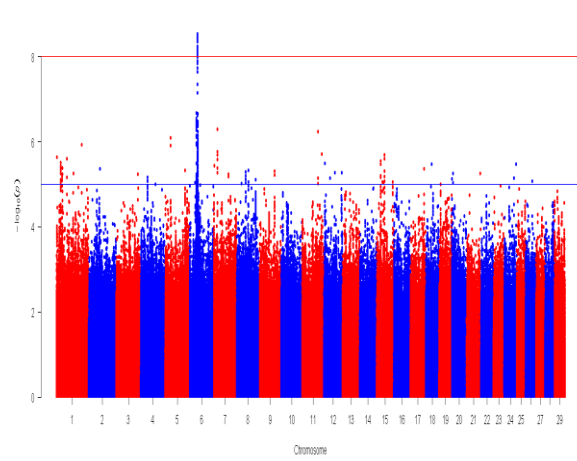
b)



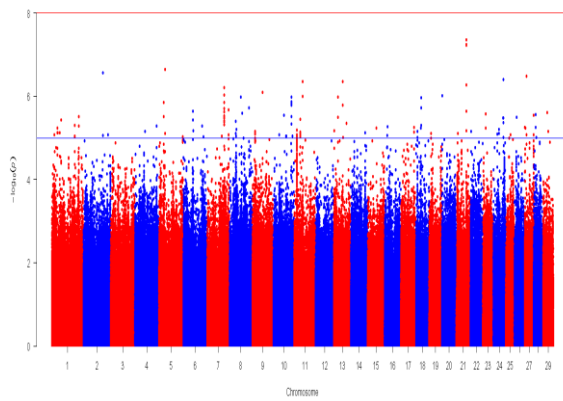
c)



d)



e)



f)

Figure S3: Manhattan plots for chest depth in a) Angus, b) Charolais, c) Hereford, d) Limousin, and e) Simmental