

Supplementary file: A. LOD plot for rank transformed relative abundance values for significant genera. The dotted lines (Green – 85%, Blue – 90%, Red – 95%) represent significant thresholds. B. Founder effect plot for the significant chromosomes. C. Genotype X Phenotype plot for the highest SNP on the significant chromosome.

Fig Q1: Micabf1 - g\_Enterorhabdus

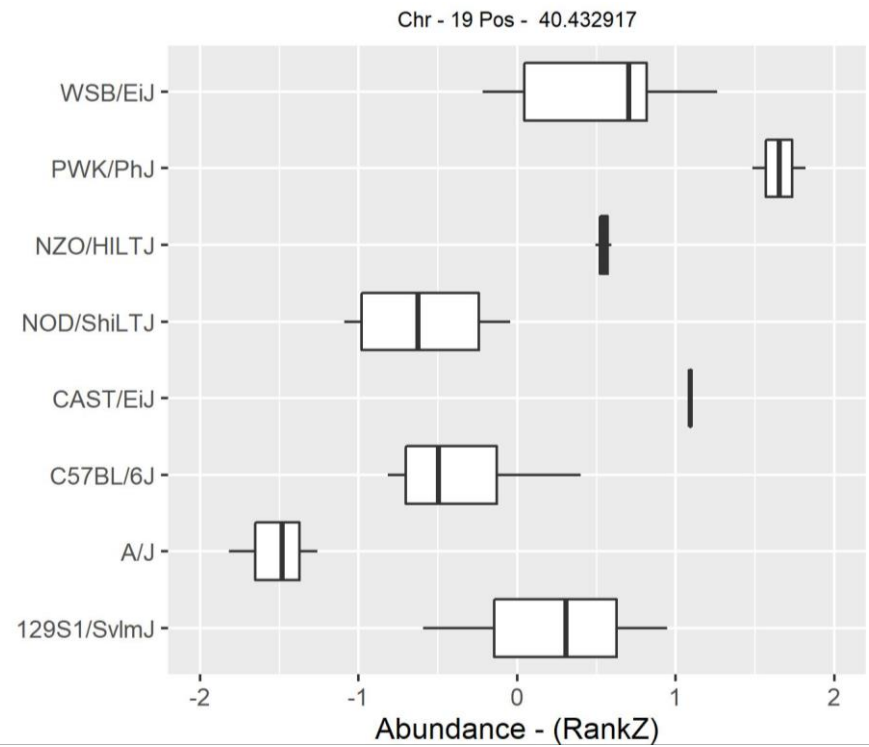
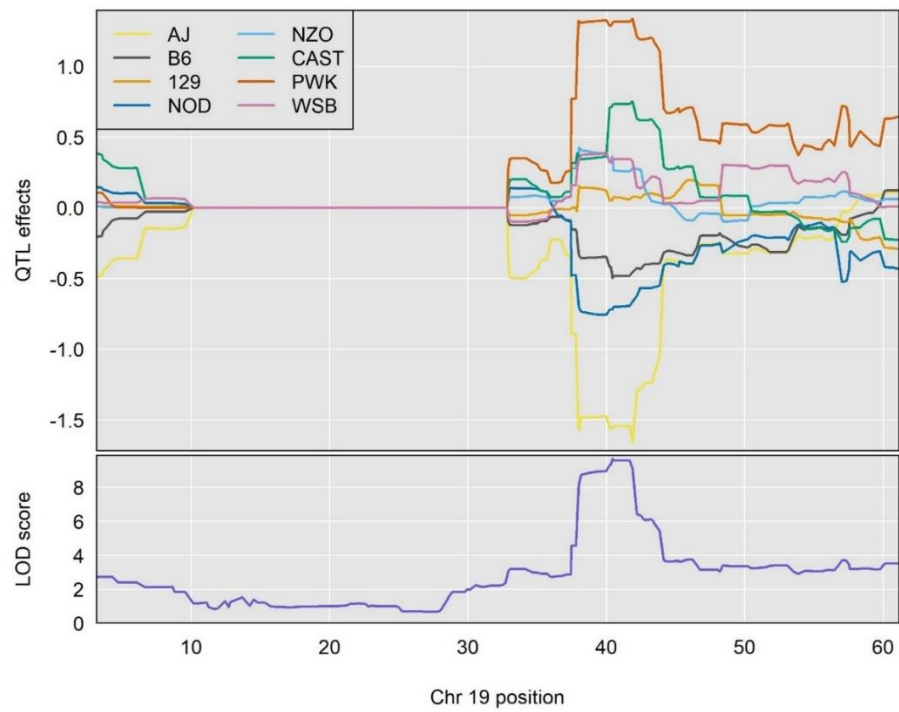
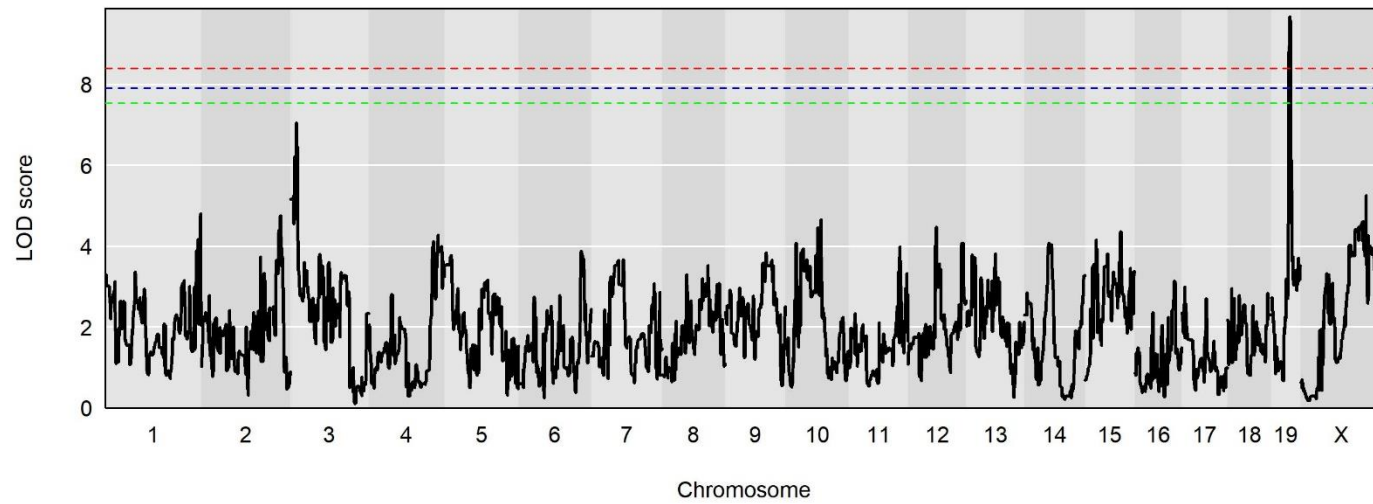


Fig Q2: Micabf2 - g\_Bacteroides

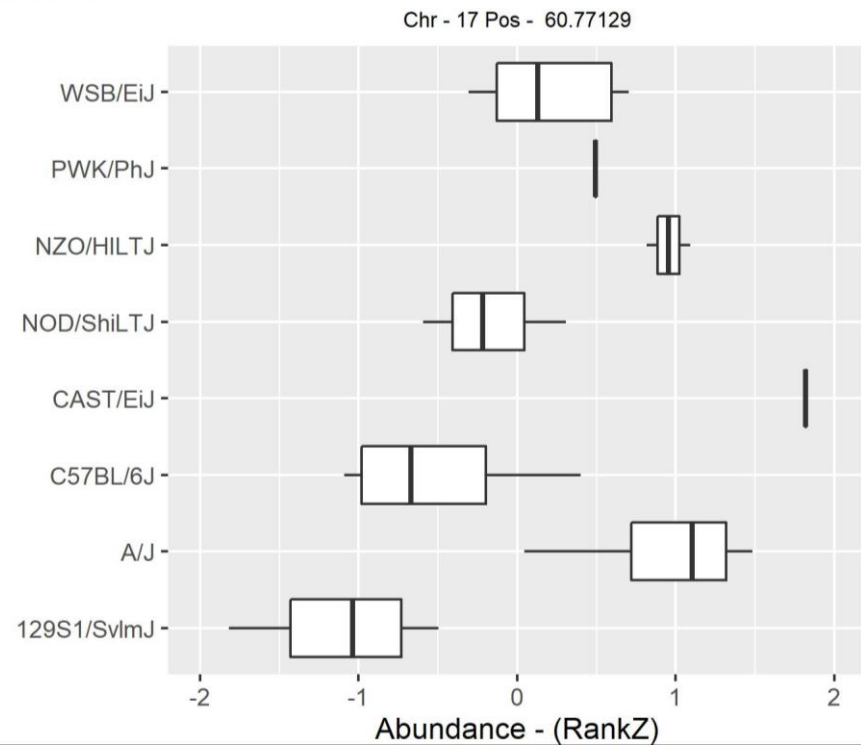
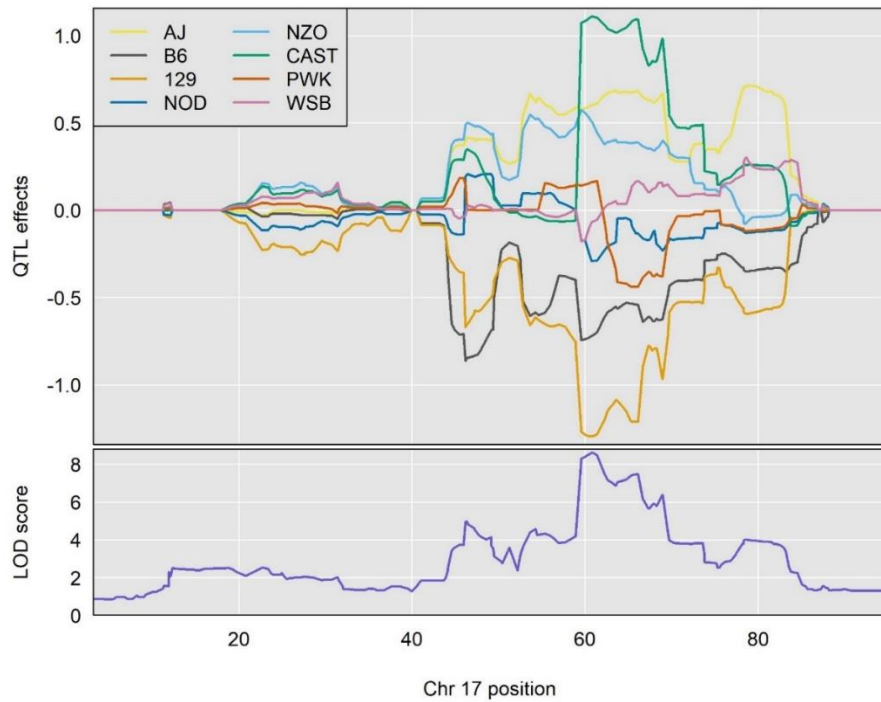
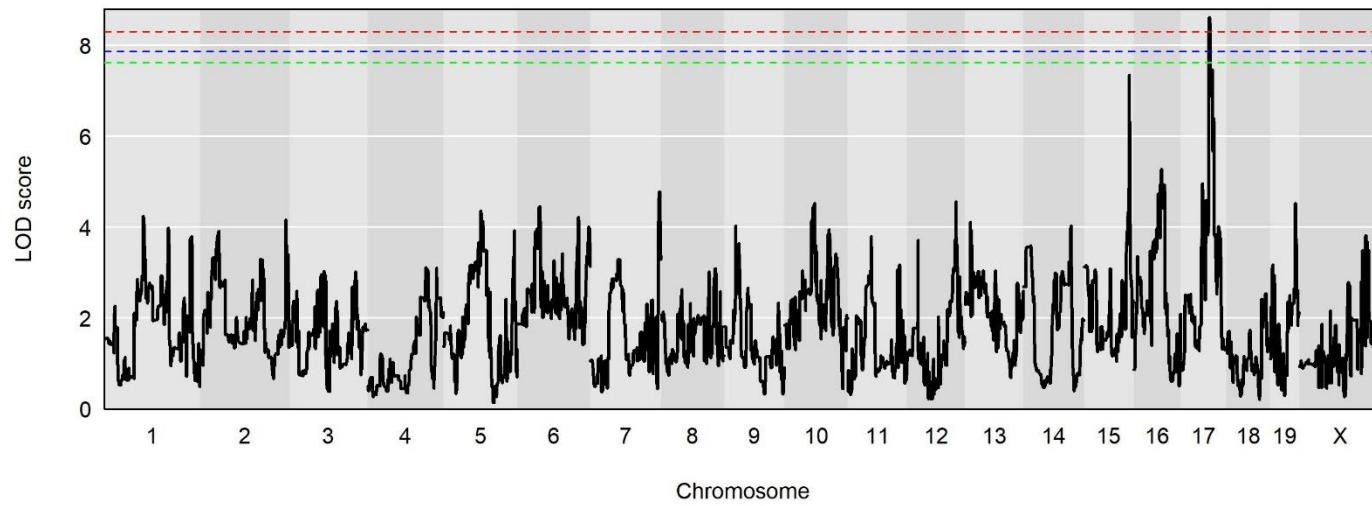


Fig Q3: Micabf3 - g\_Muribaculaceae

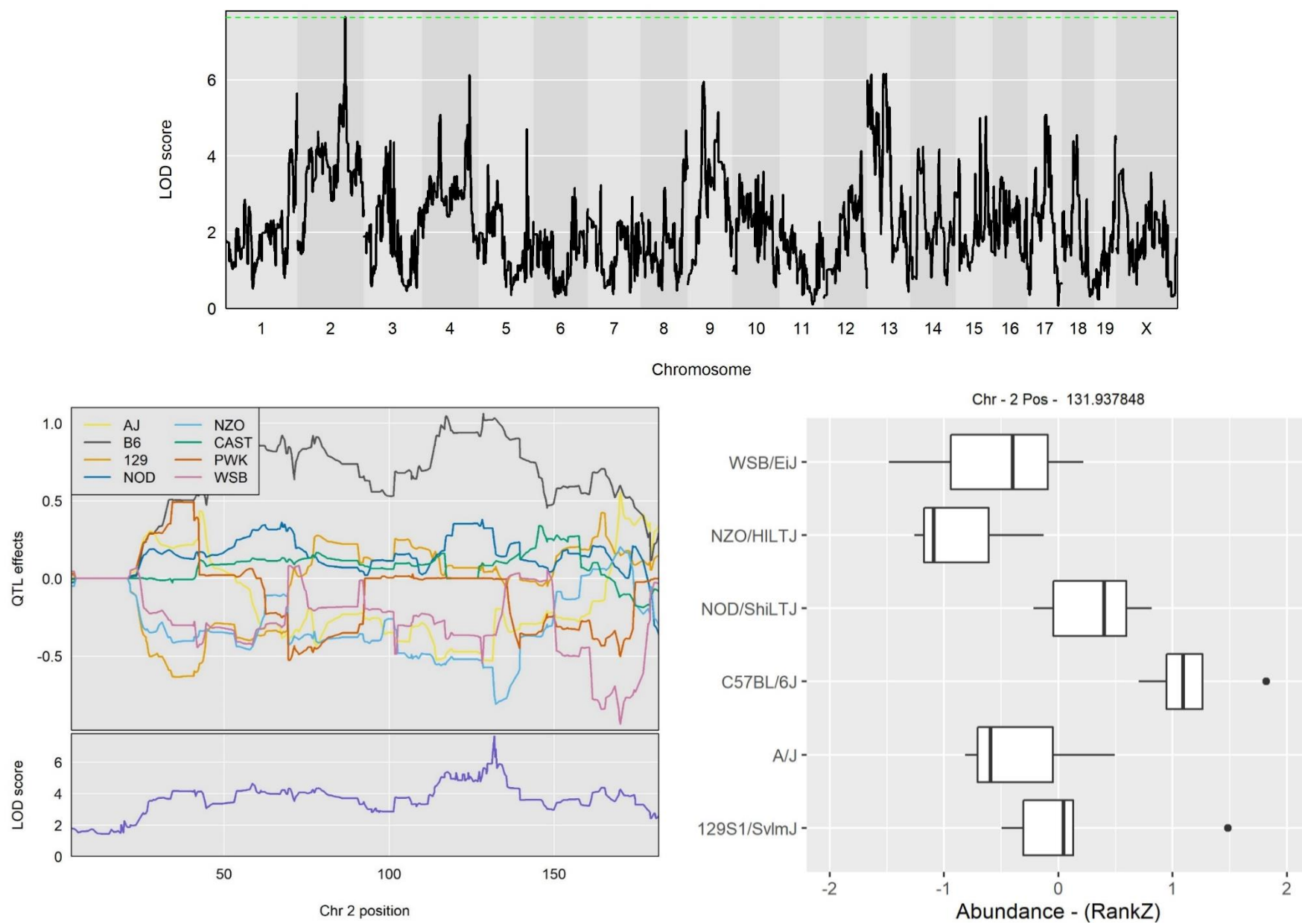


Fig Q4: Micabf4 - g\_Alloprevotella

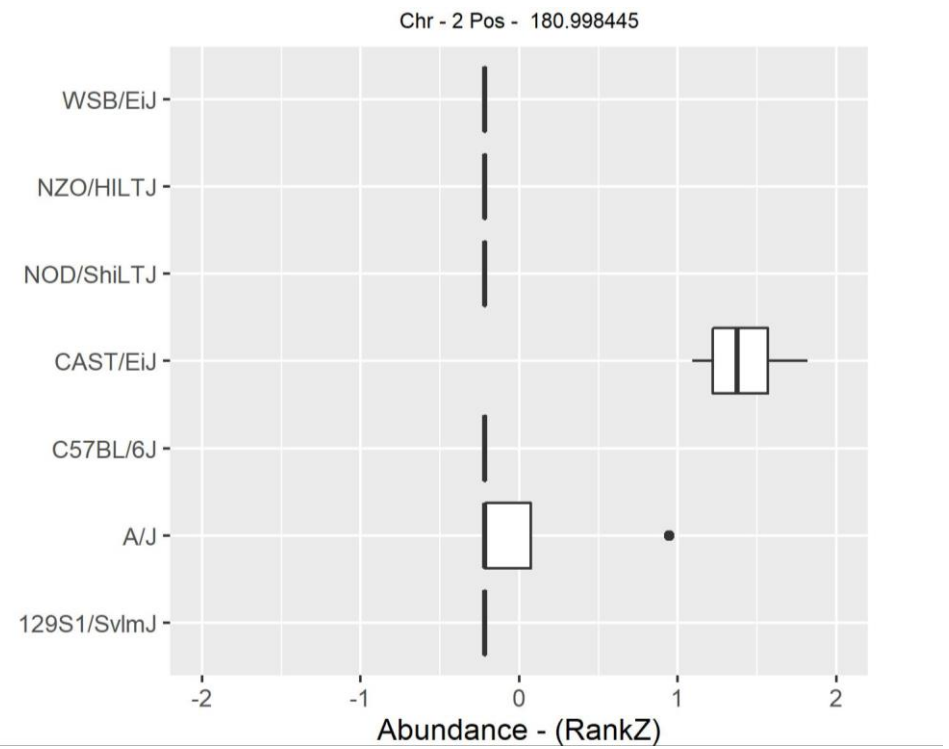
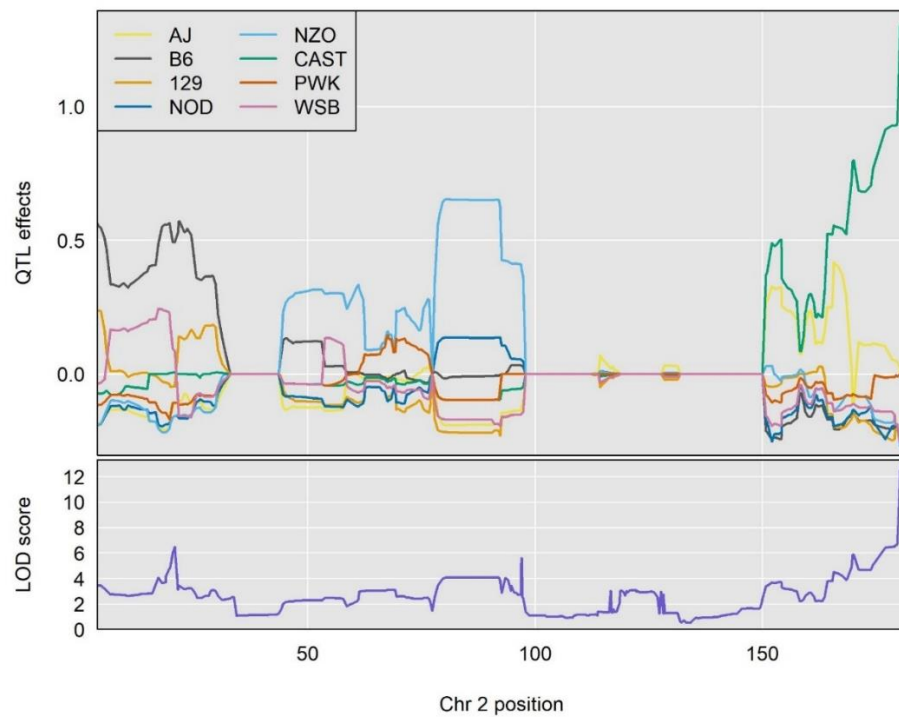
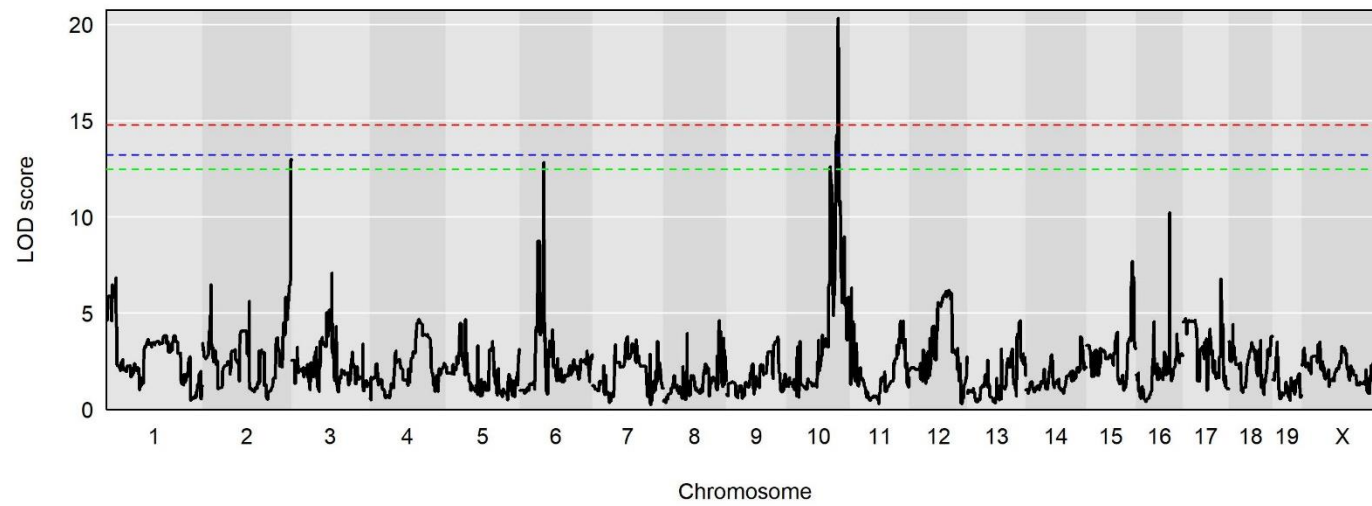


Fig Q5: Micabf5 - g\_Alloprevotella

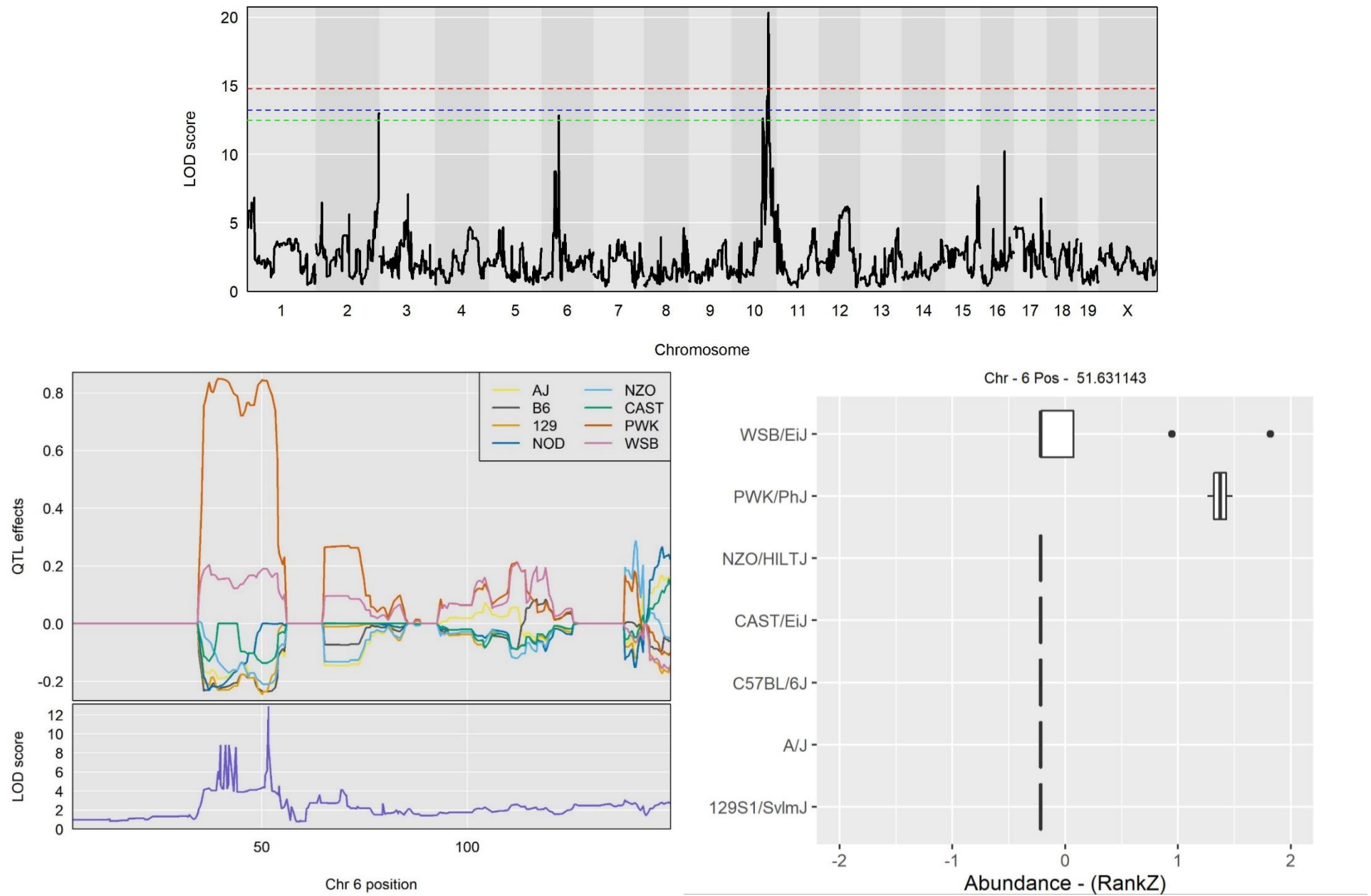


Fig Q6: Micabf6 - g\_Alloprevotella

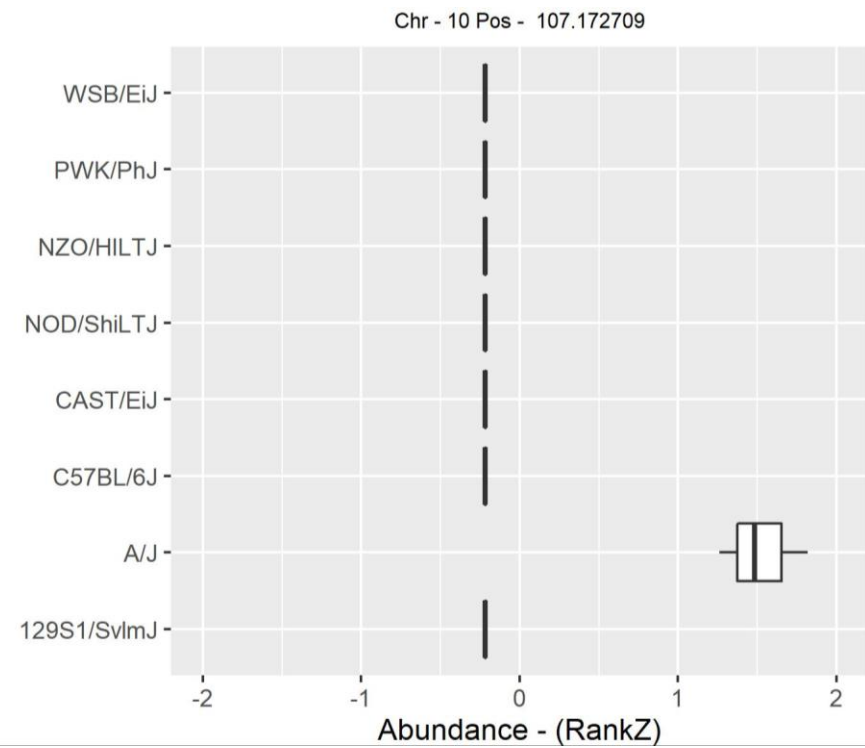
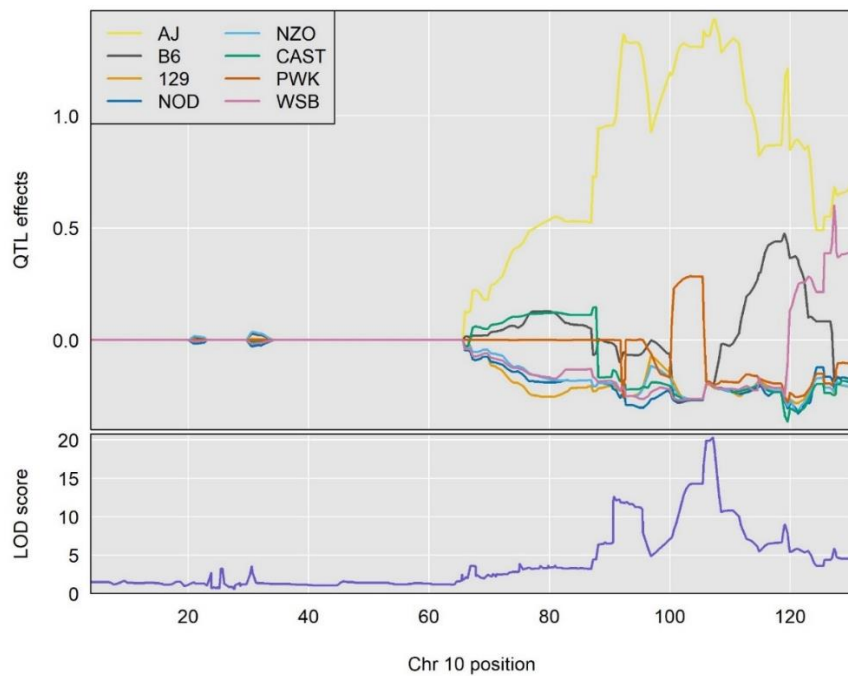
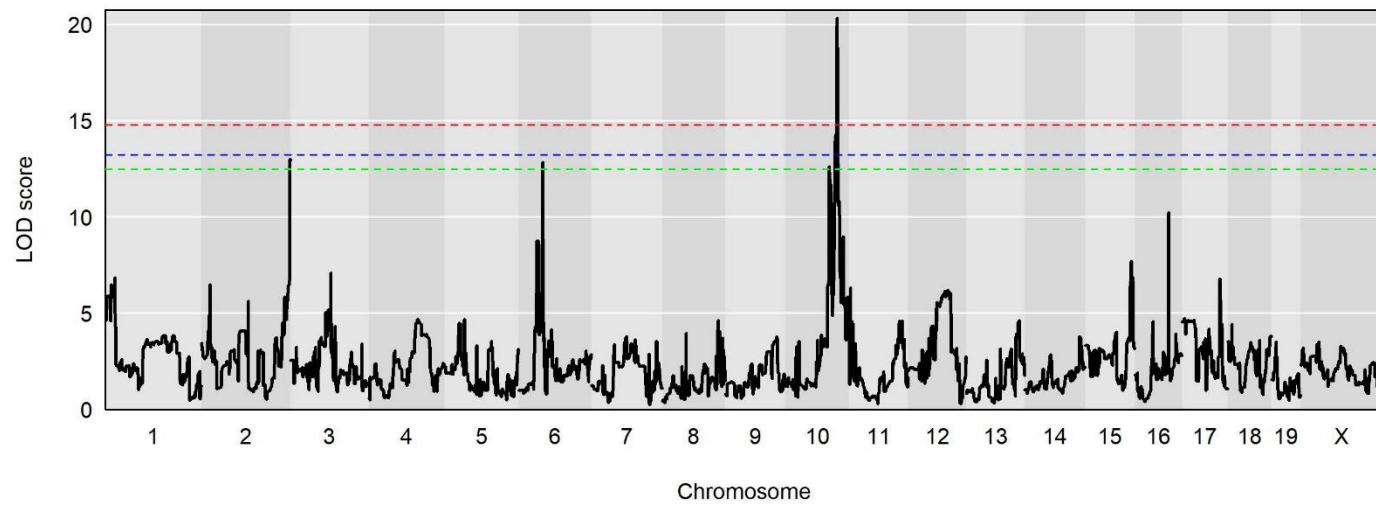




Fig Q7: Micabf7 - g\_Mucispirillum

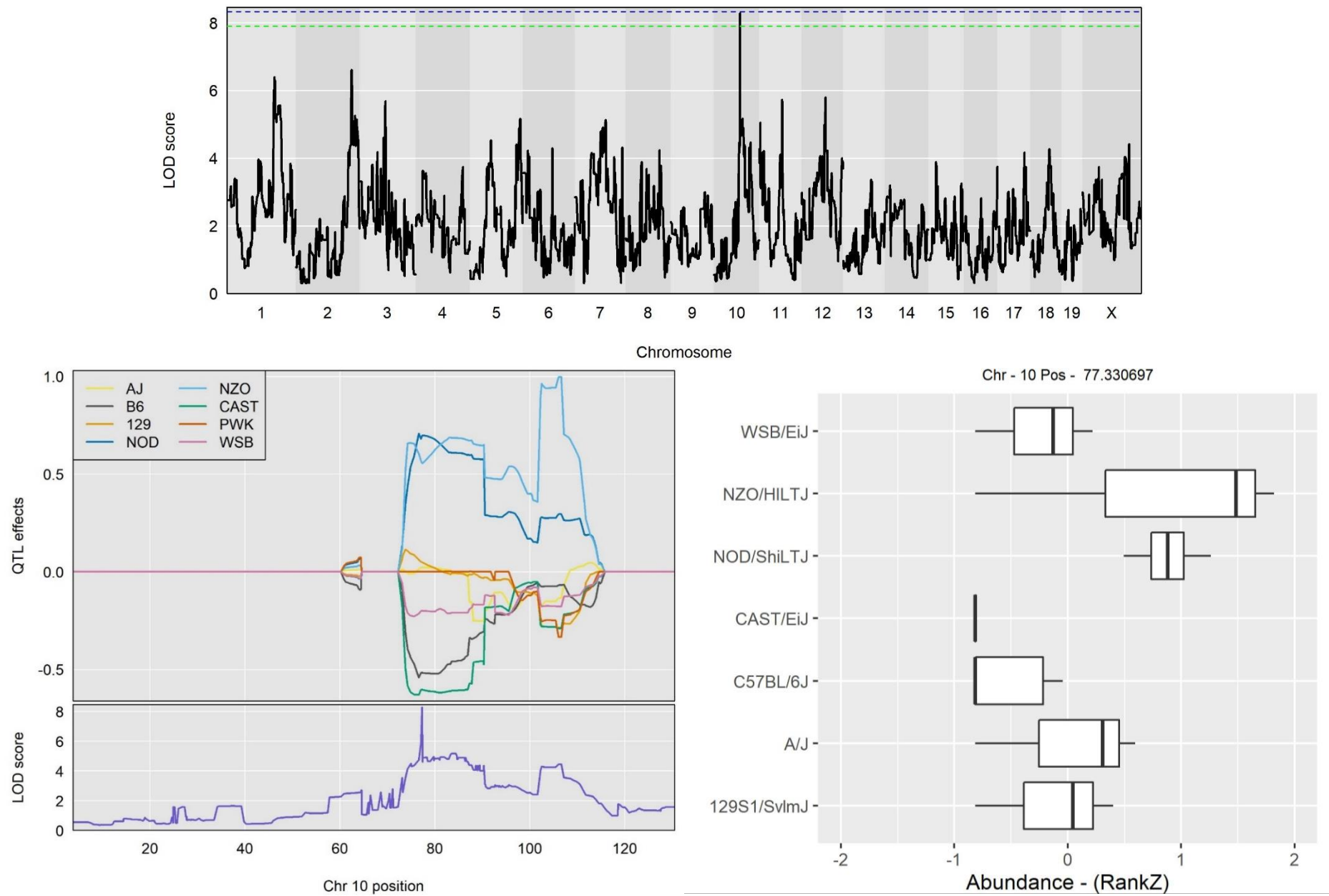




Fig Q8: Micabf8 - f\_Erysipelotrichaceae / g\_A1

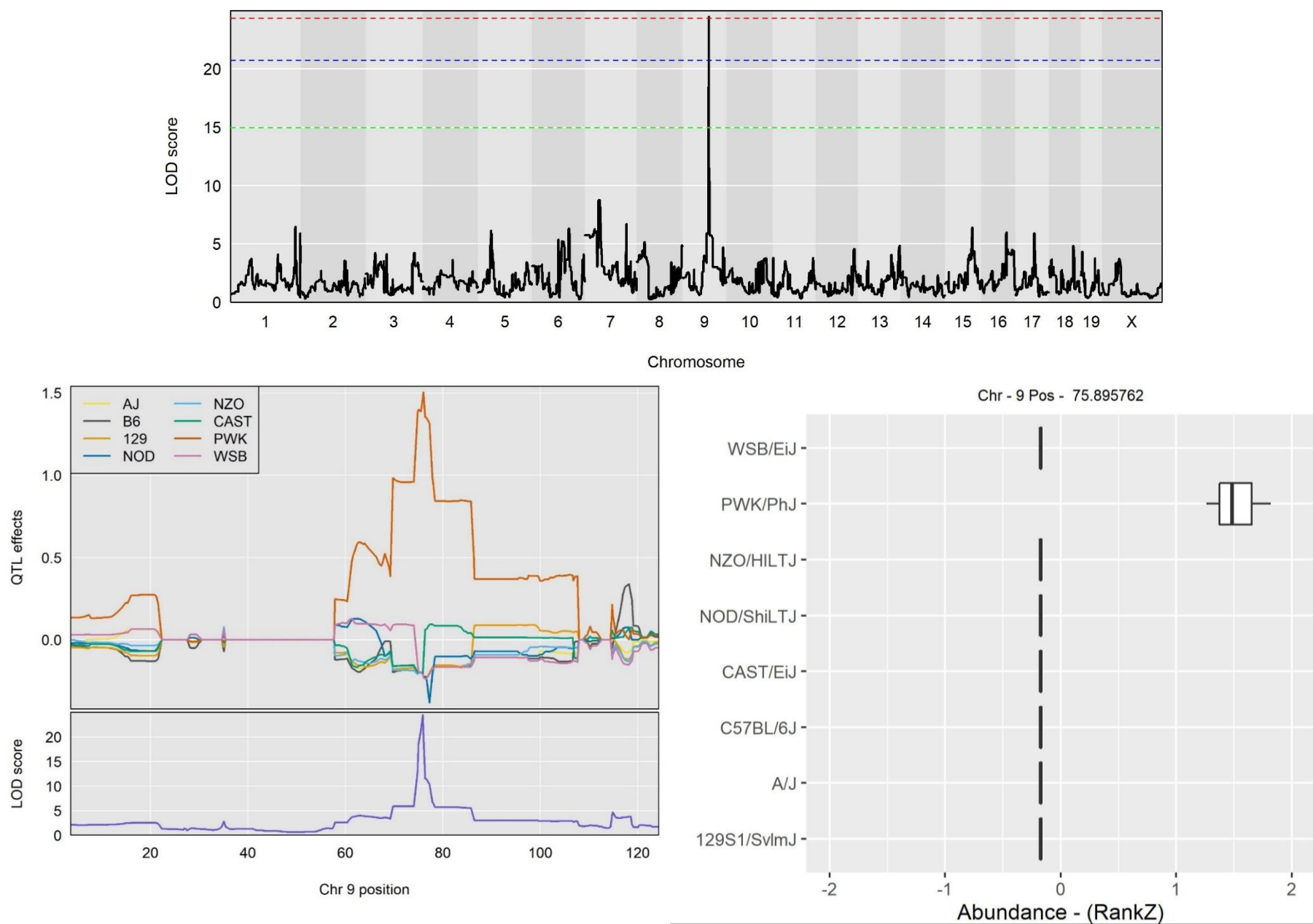


Fig Q9: Micabf9 - g\_Erysipelotrichaceae

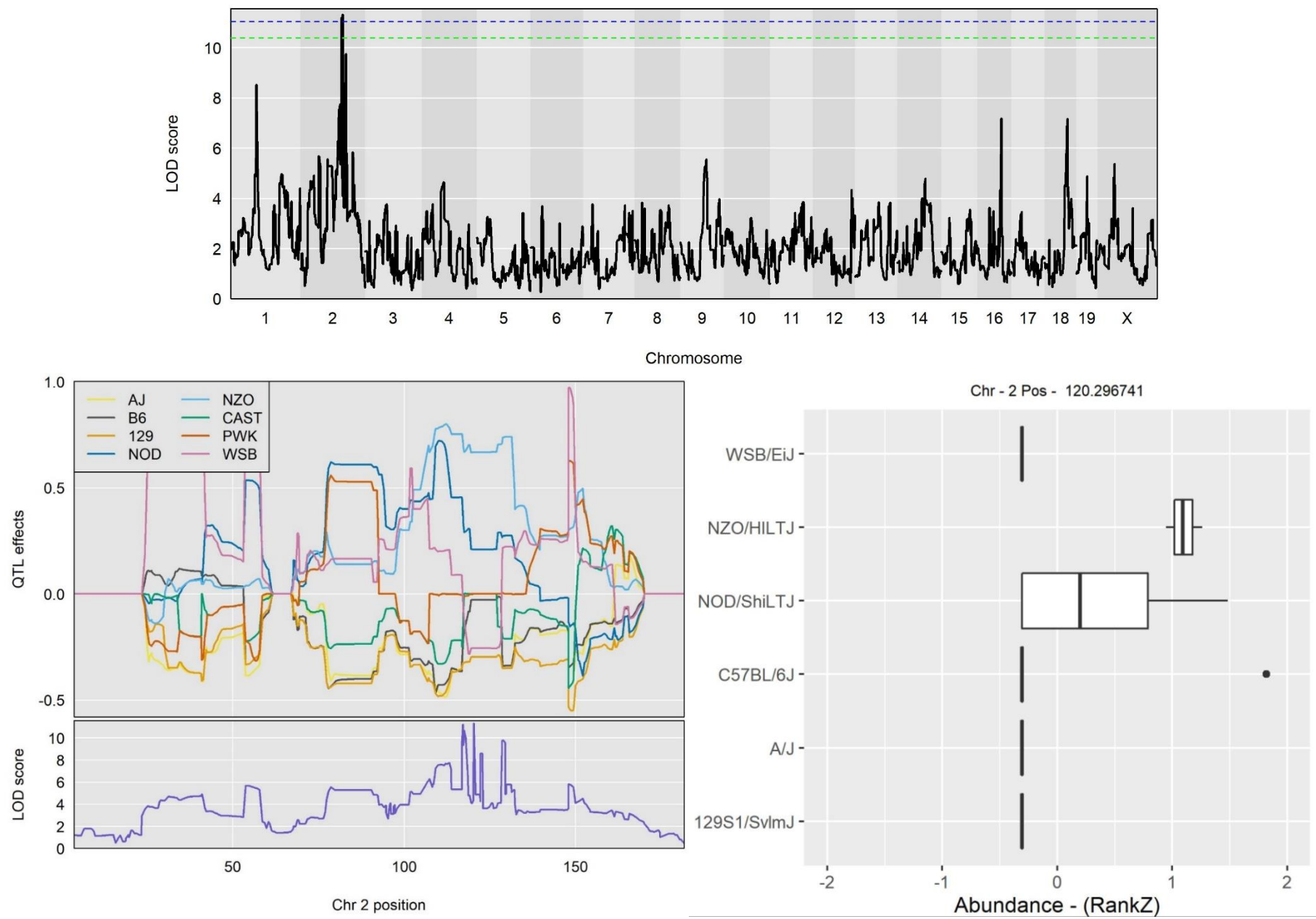


Fig Q10: Micabf10 - g\_Candidatus\_Arthromitus

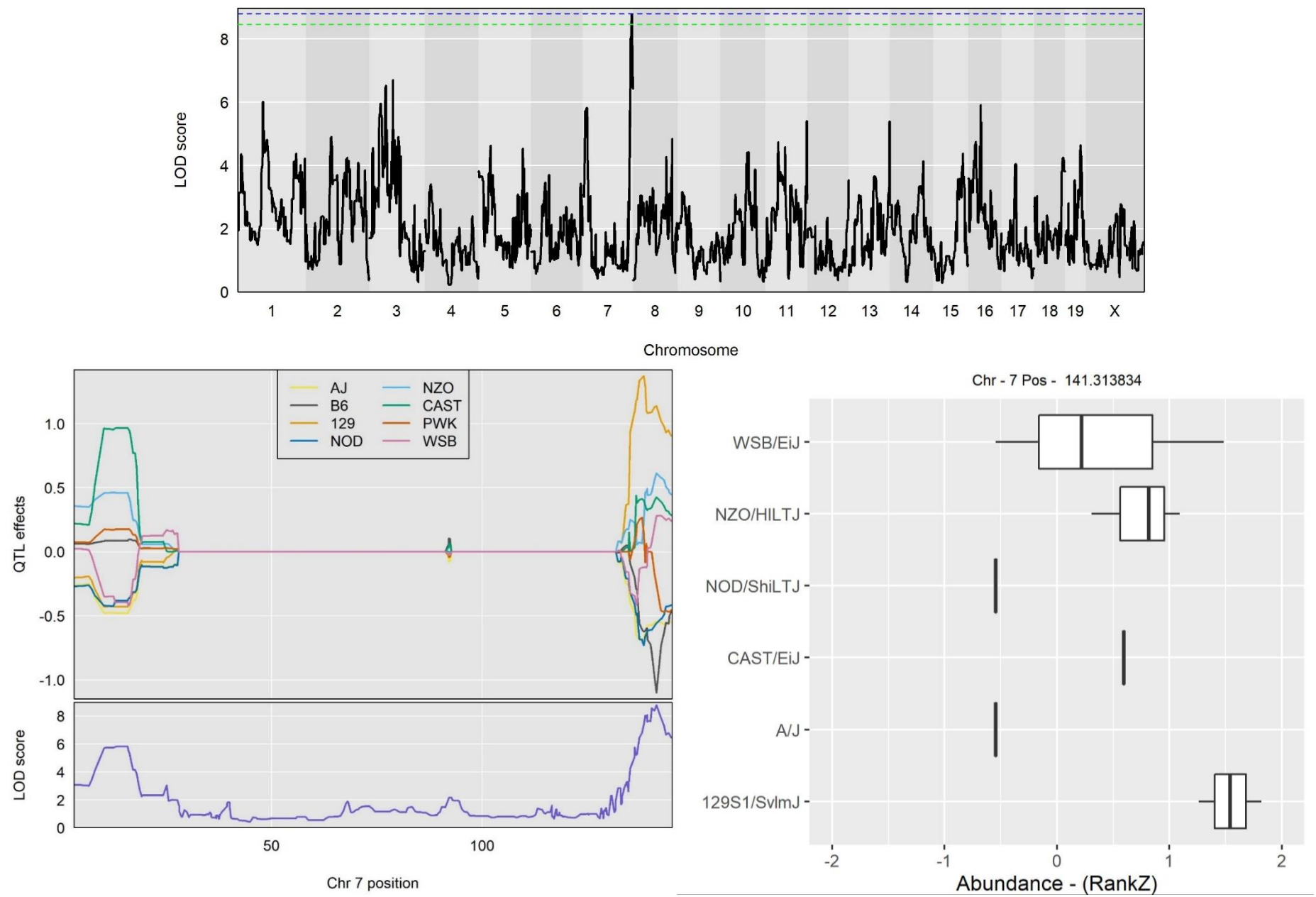


Fig Q11: Micabf11 - f\_Lachnospiraceae / g\_A2

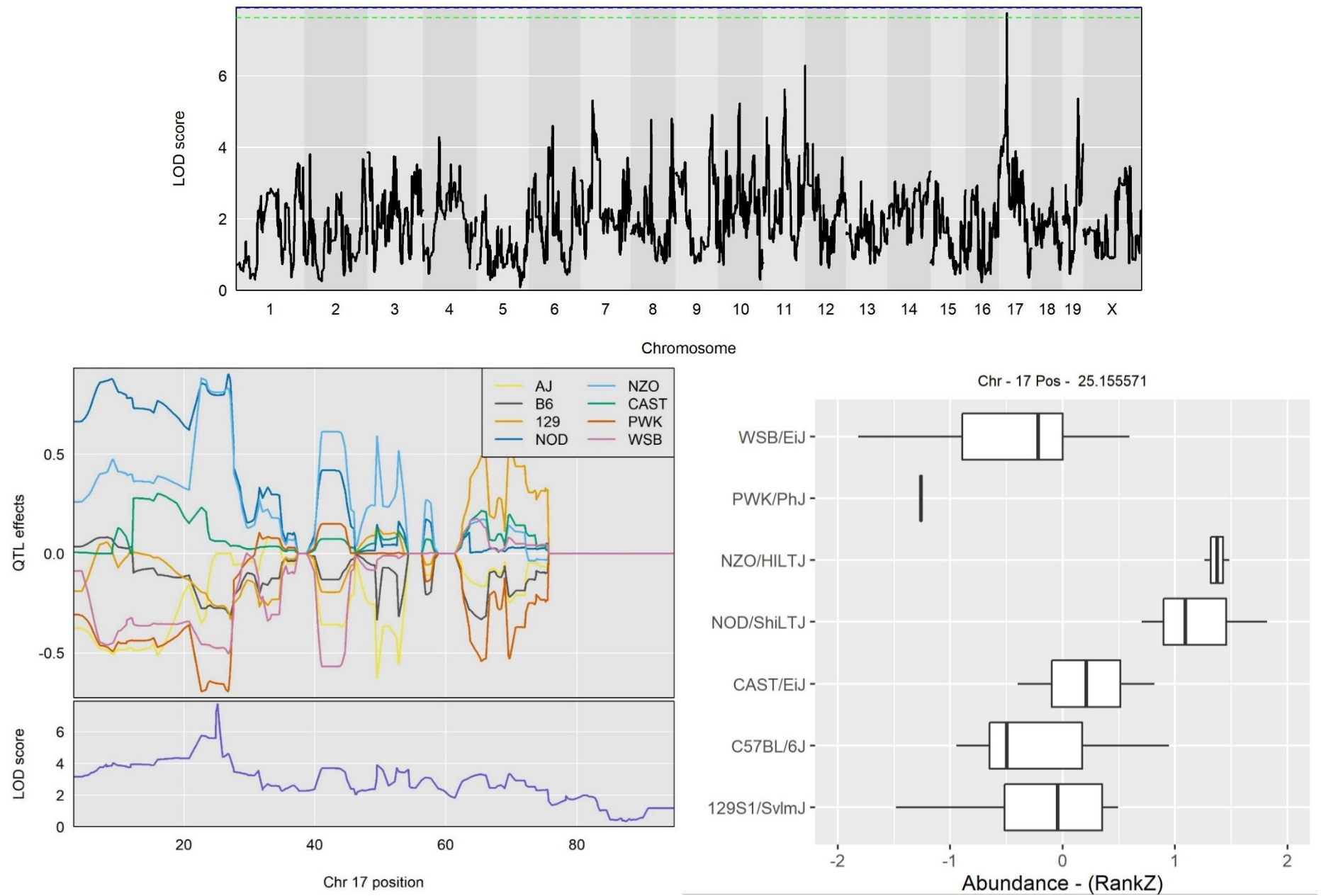


Fig Q12: Micabf12 - g\_Lachnoclostridium

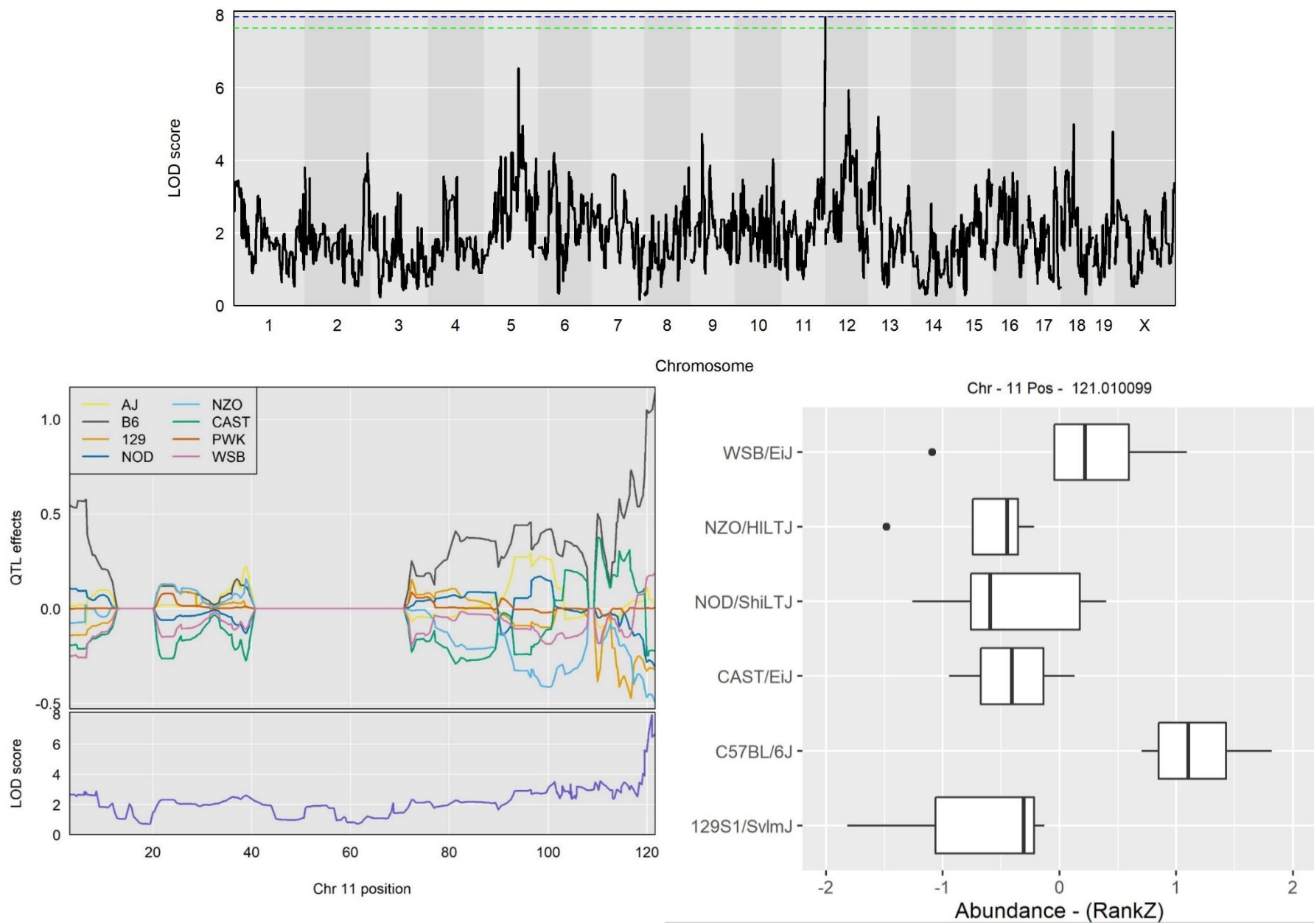


Fig Q13: Micabf13 - g\_Lachnospiraceae\_UCG006

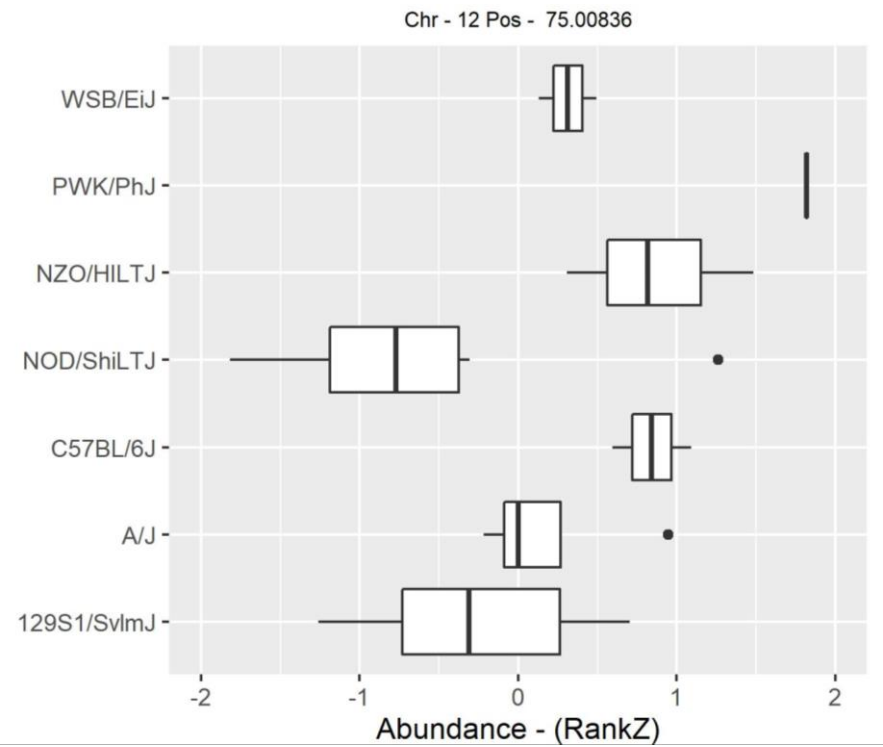
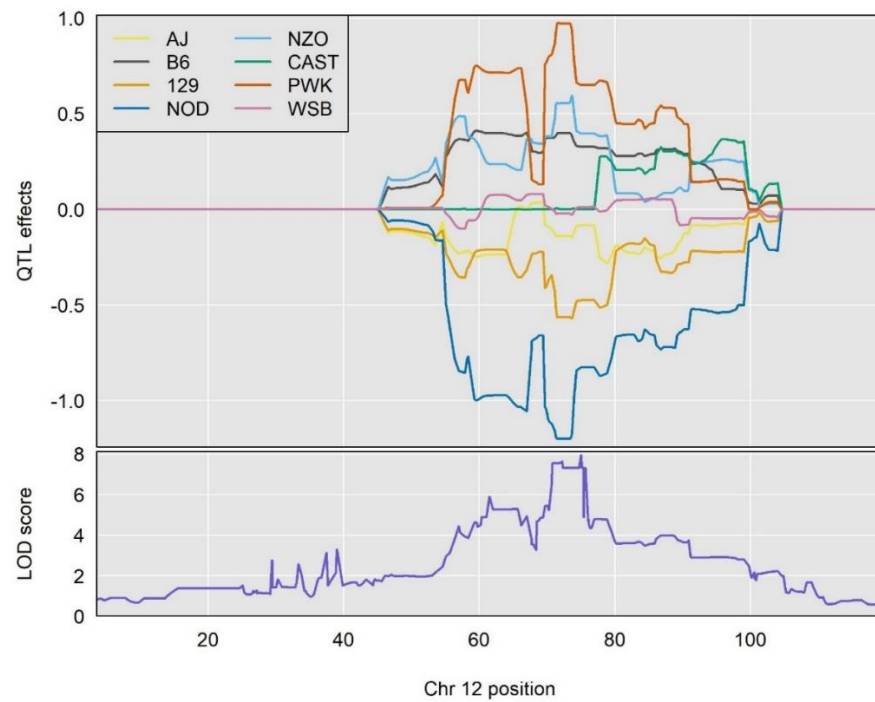
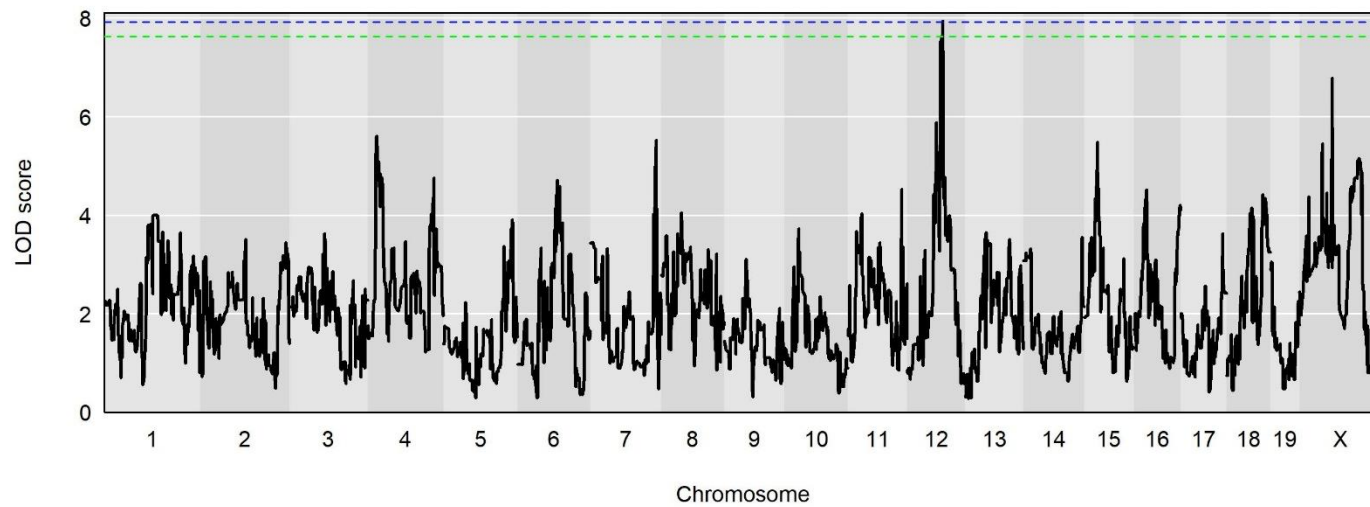




Fig Q14: Micabf14 - g\_Ruminococcaceae

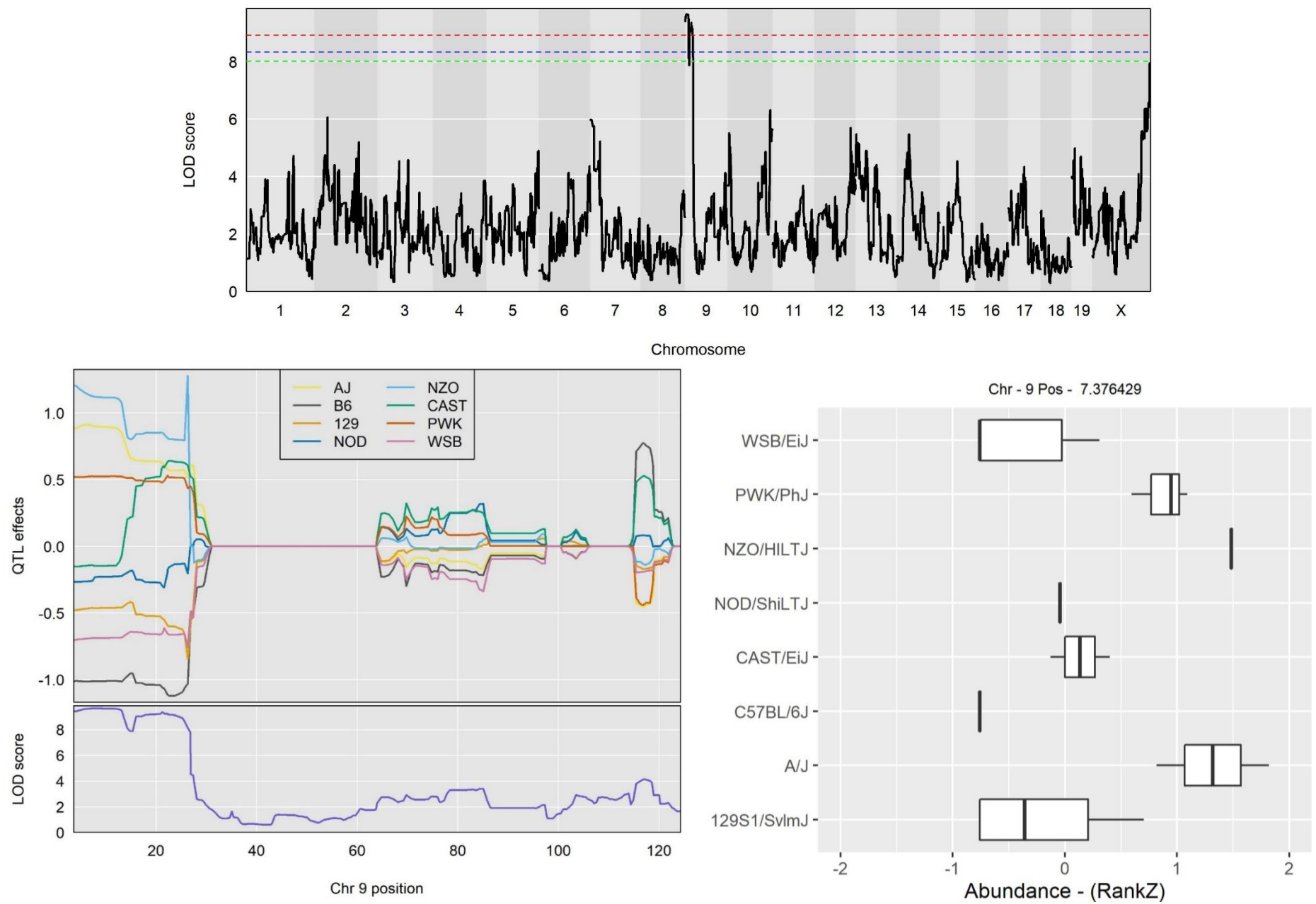




Fig Q15: Micabf15 - o\_Oscillospirales / g\_UCG10

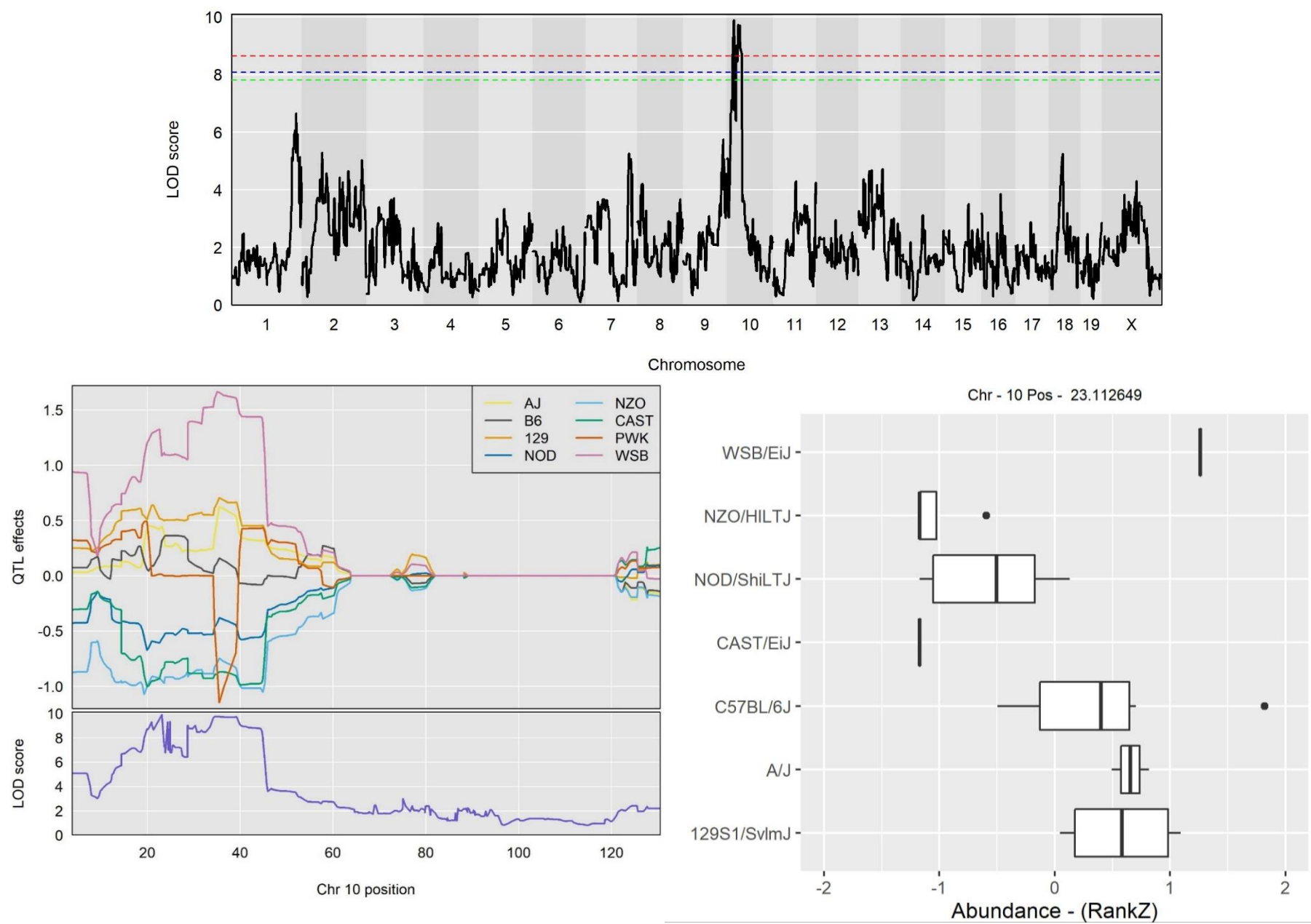


Fig Q16: Micabf16 - g\_Peptococcus

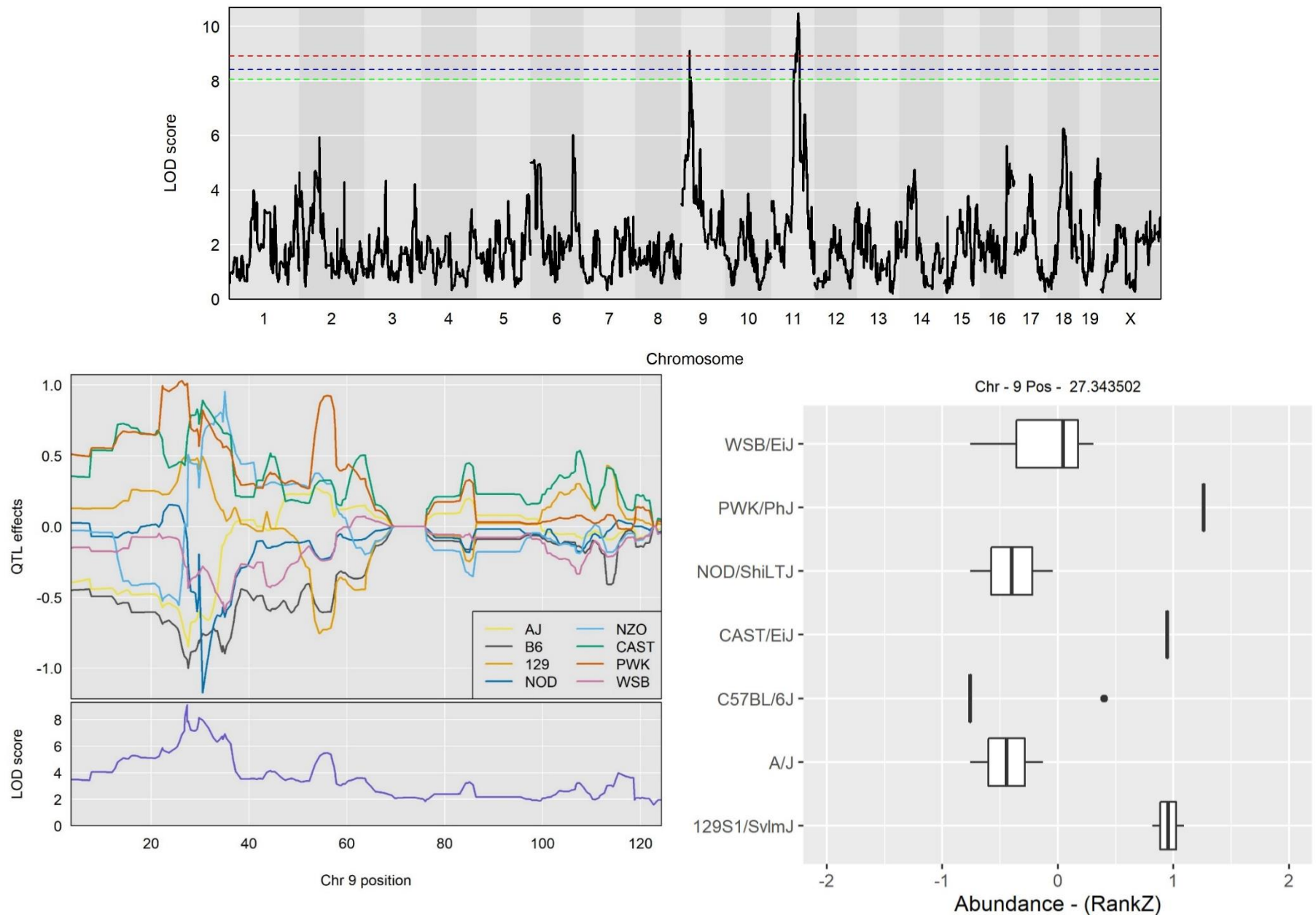


Fig Q17: Micabf17 - g\_Peptococcus

