R script: 14\_Fig8b\_LDplot.R

Need: 8kb region on Chromosome 16 from337285 To 355042

Tabix: extract a single chromosome/ region from vcf file (must do on Ubuntu)

<http://wiki.wubrowse.org/How_to_install_tabix>

<https://www.biostars.org/p/46331/>

then go from abbreviated vcf to DNAbin (with full vcf, this crashes Rstudio on my PC)

<https://knausb.github.io/vcfR_documentation/dnabin.html>

then extract haplotype from DNAbin file

<https://www.rdocumentation.org/packages/pegas/versions/0.10/topics/haplotype>

Plotting: snp.plotter

<https://cran.r-project.org/web/packages/snp.plotter/vignettes/using_snp_plotter.html>

<https://cran.r-project.org/web/packages/snp.plotter/index.html>

<https://academic.oup.com/bioinformatics/article/23/6/774/415503/snp-plotter-an-R-based-SNP-haplotype-association#6145357>