# Supplementary material for Part 3 Joshua Akey Lab

This page summarizes the analysis of Carl Zimmer’s genome by Joshua Akey and Selina Vattathil at the University of Washington. They identified 50.1 million base pairs of DNA in his genome that originated from Neanderthal ancestors.

File: Genome Wide Distribution of Neanderthal DNA.pdf

This figure shows the location of Neanderthal DNA in Zimmer’s genome, indicated by vertical lines. The circles mark regions of the chromosomes known as centromeres.

Neanderthal Genes.xlsx

This spreadsheet lists the genes that contain at least some Neanderthal DNA.

References:

Simonti, Corinne N., et al. 2016. "The phenotypic legacy of admixture between modern humans and Neandertals." *Science* 351:737-741.

Vernot, Benjamin, and Joshua M. Akey. 2014. "Resurrecting surviving Neandertal lineages from modern human genomes." *Science* 343:1017-1021.

Vernot, Benjamin, and Joshua M. Akey. 2015 "Complex history of admixture between modern humans and Neandertals." The American Journal of Human Genetics 96:448-453.