

Caption for the block diagrams

Here, I attempt a generic caption. It’s not clear to me how exactly this should be plotted, given that there are many blocks (46 in all, 8 of the larger ones picked out below), and these overlap. I guess, something like one of the two diagrams below, with maybe fewer blocks and using translucence to show the overlap.

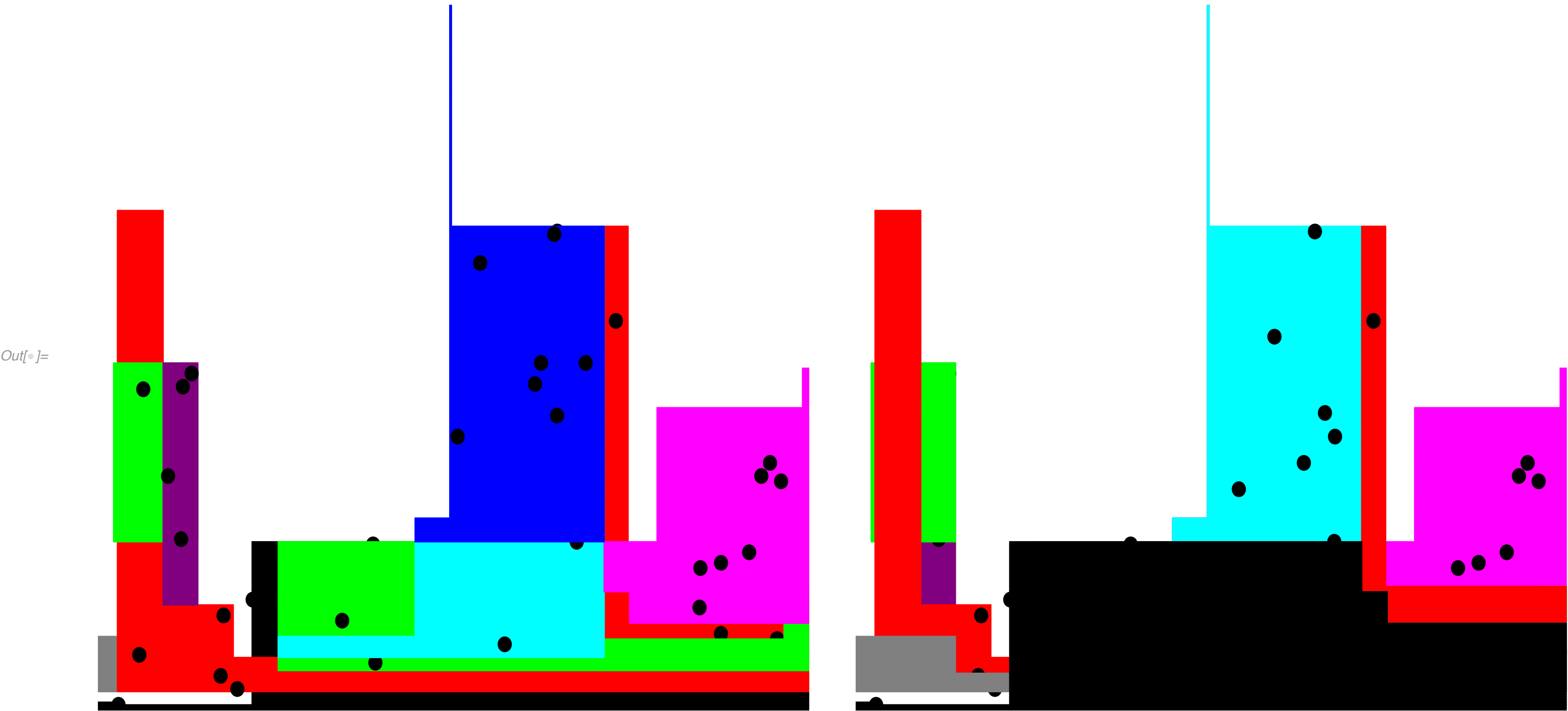


Figure. Blocks of genome that descend from eight of the branches. The horizontal axis represents the genome ($2 N_e r = 0$ to 10), and the vertical axis time ($(t/2 N_e) = 0$ to 2.68 , when there is complete coalescence). SNP are indicated by disks superimposed on each block; their expected number is proportional to the area of each block. For example, black represents the lineage leading down to individual 1, which stretches back from the present, until the first coalescence event; this branch carries 9 SNP. Red represents the branch leading down to individuals $\{4,8\}$. There is an early coalescence between these individuals, before any recombination, and so this branch is represented across the whole genome; it persists back to quite early in the ARG in two regions (left, and towards the right), and most of the 8 SNP that it carries are in these regions, as can be seen in Fig. xx. *referring to SNP on genomes.*

This refers to one of the two examples above, perhaps showing fewer blocks and translucence to show their overlap. One might pair this diagram with some example genealogies (eg at four points along the chromosome) with branches coloured appropriately. The description will depend on what can actually be seen in the plots.