

Figure 1: Deep dive into comparisons between Buenaventura and Tumaco. Top plot shows proportion of sample comparisons with IBD segment based on Viterbi path at different positions along the genome. Bottom plot shows heat map of IBD segments (coloured according to chromosome) for those sample comparisons with one or more IBD segment. Sample comparisons are order with respect to decreasing genomic fraction IBD estimates.

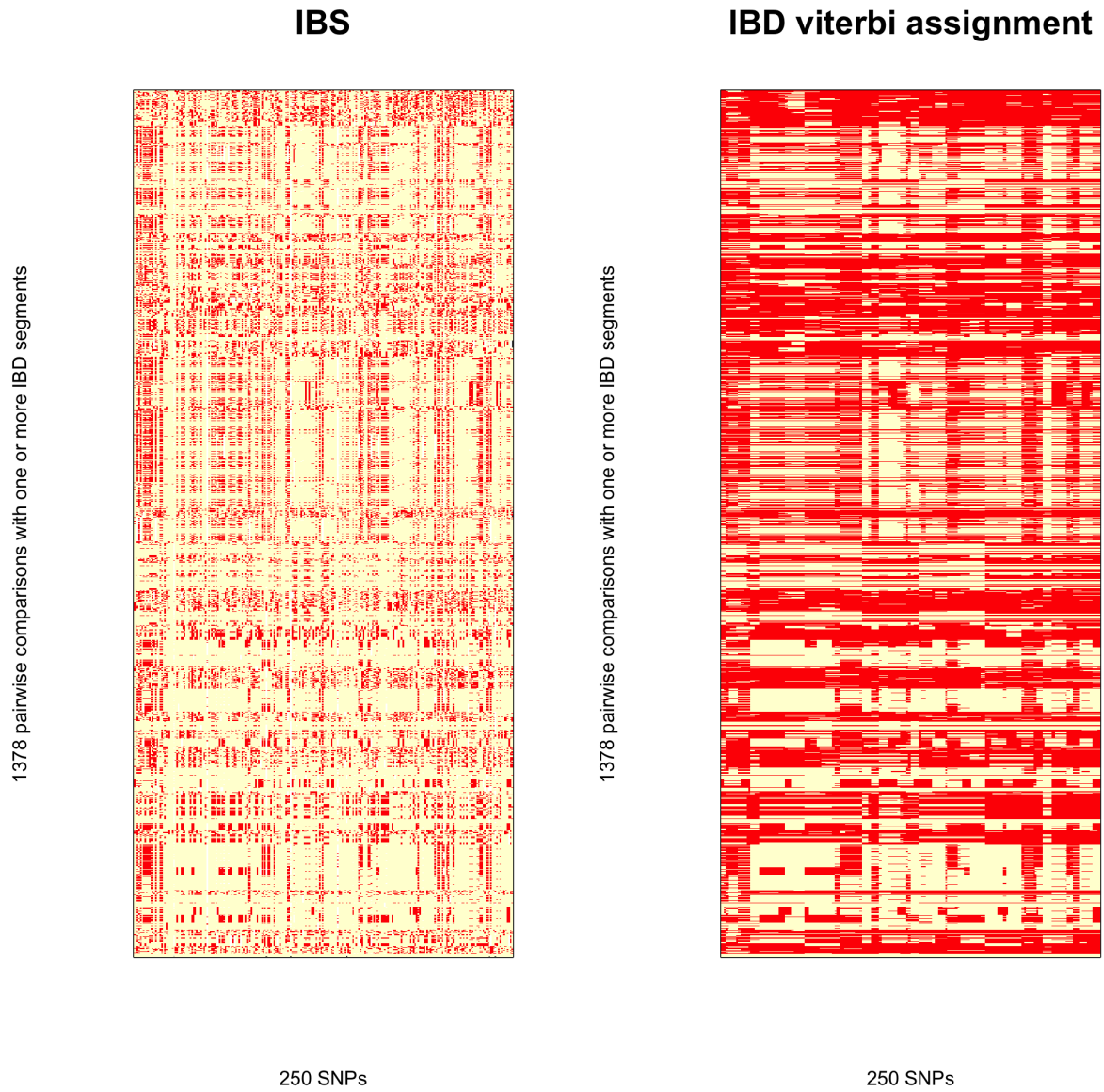


Figure 2: Comparison of IBS and IBD viterbi assignments for comparisons between Buenaventura and Tumaco with at one or more IBD assignment. Based on results of most likely sequence under independence (IBS vs IBD project), the fact that the two are different suggests SNPs are not independent.

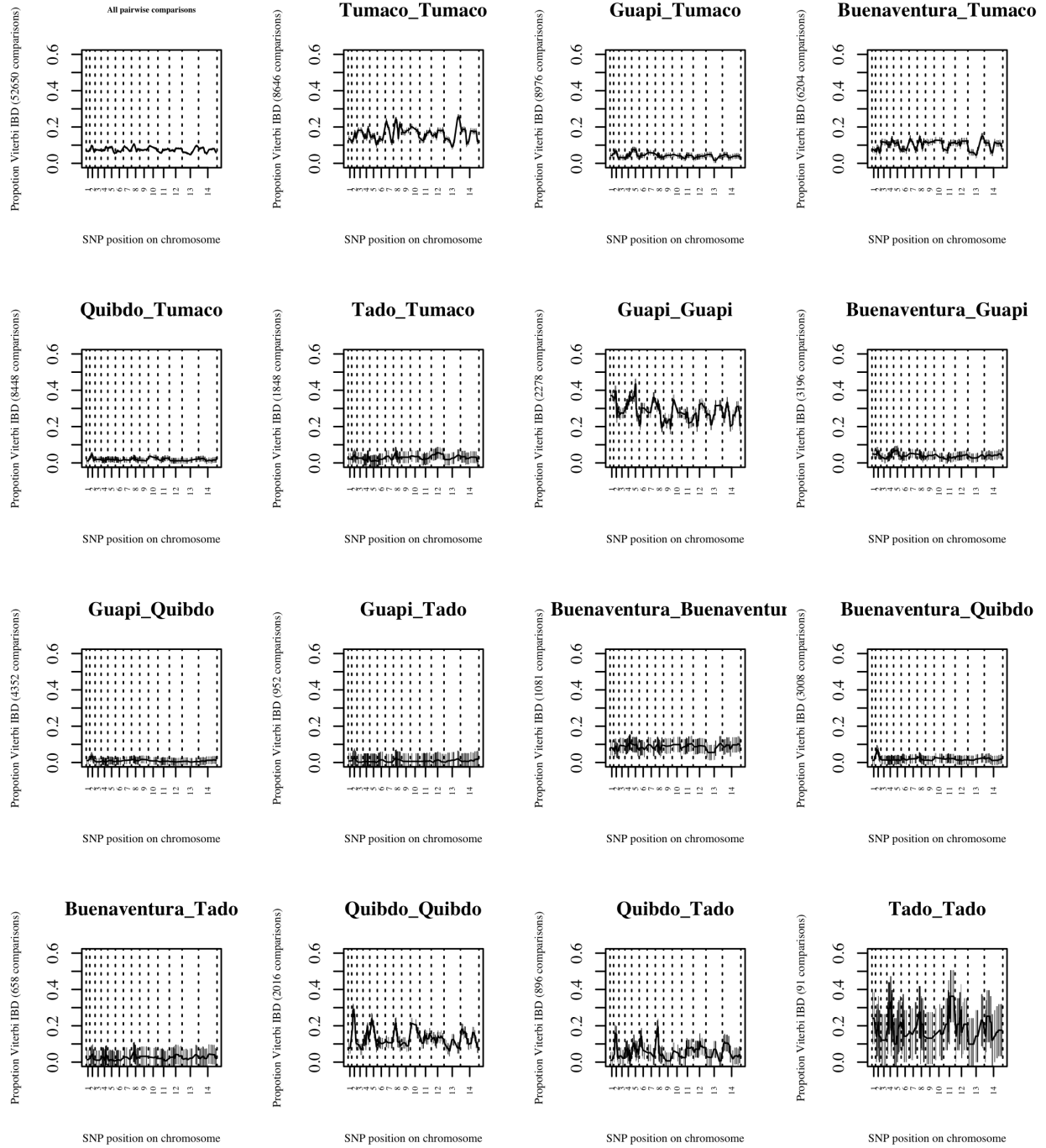


Figure 3: Plots show proportion of sample comparisons with IBD segment based on Viterbi path at different positions along the genome for different sample comparisons. Error bars denote 95 percent confidence intervals and were calculated using Hoeffding's inequality.