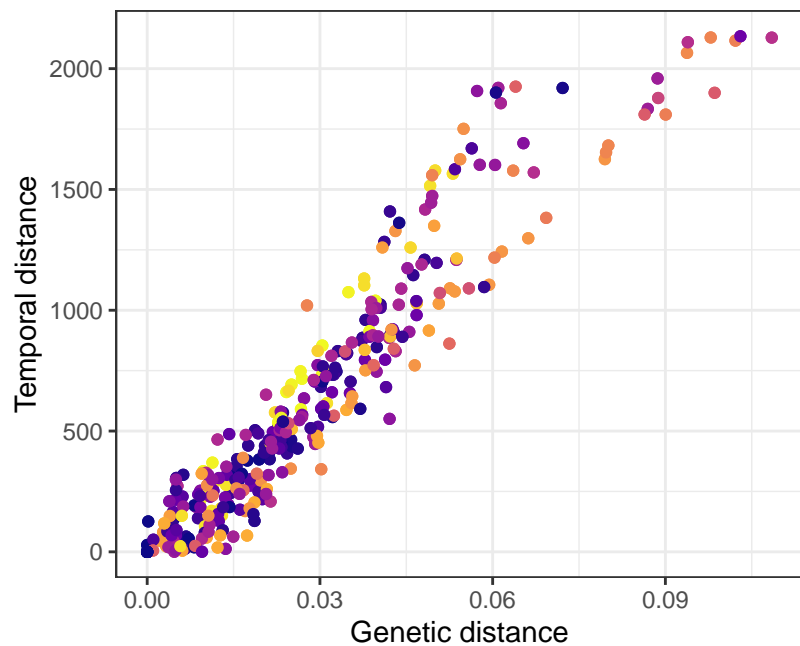
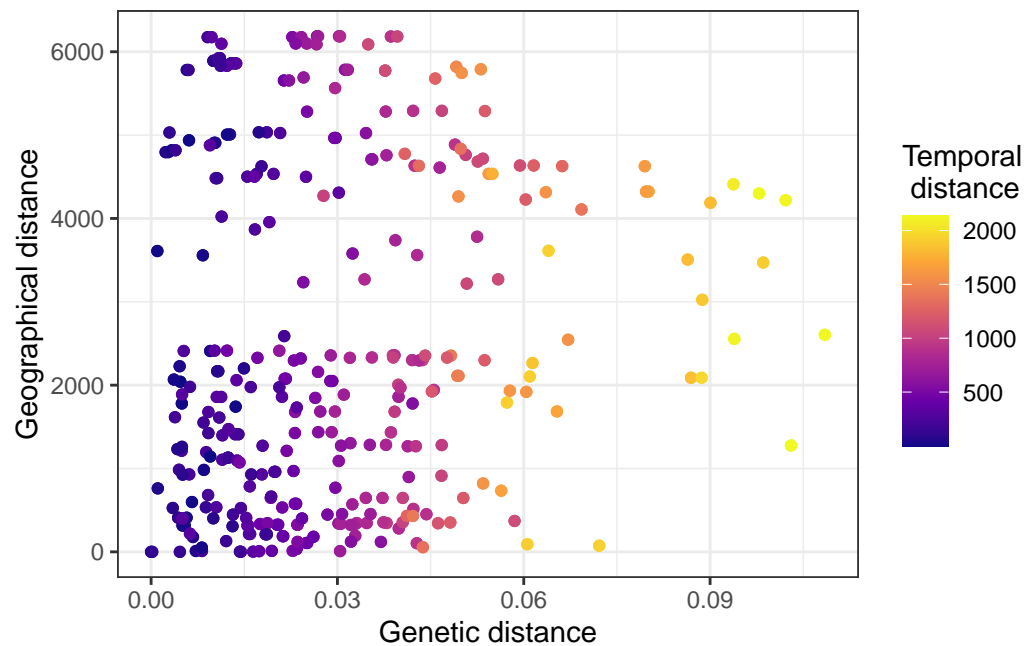
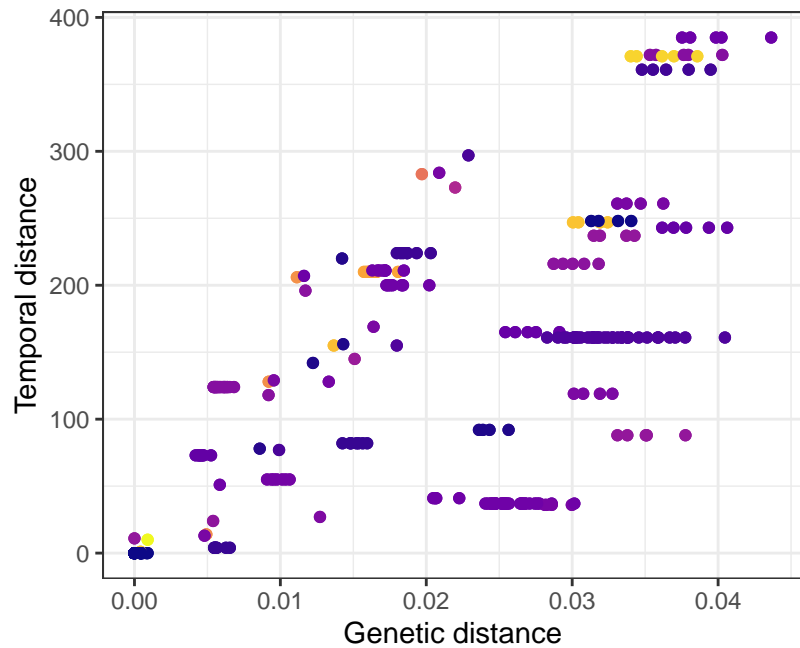


**A***Y. pestis* LNBA branchMantel Statistic  $r = 0.9495$ ,  $p\text{-value} = 1e-04$ Mantel Statistic  $r = 0.1486$ ,  $p\text{-value} = 0.071$ **B***Y. pestis* second pandemic branchMantel Statistic  $r = 0.6907$ ,  $p\text{-value} = 1e-04$ Mantel Statistic  $r = 0.2797$ ,  $p\text{-value} = 0.0014$ 