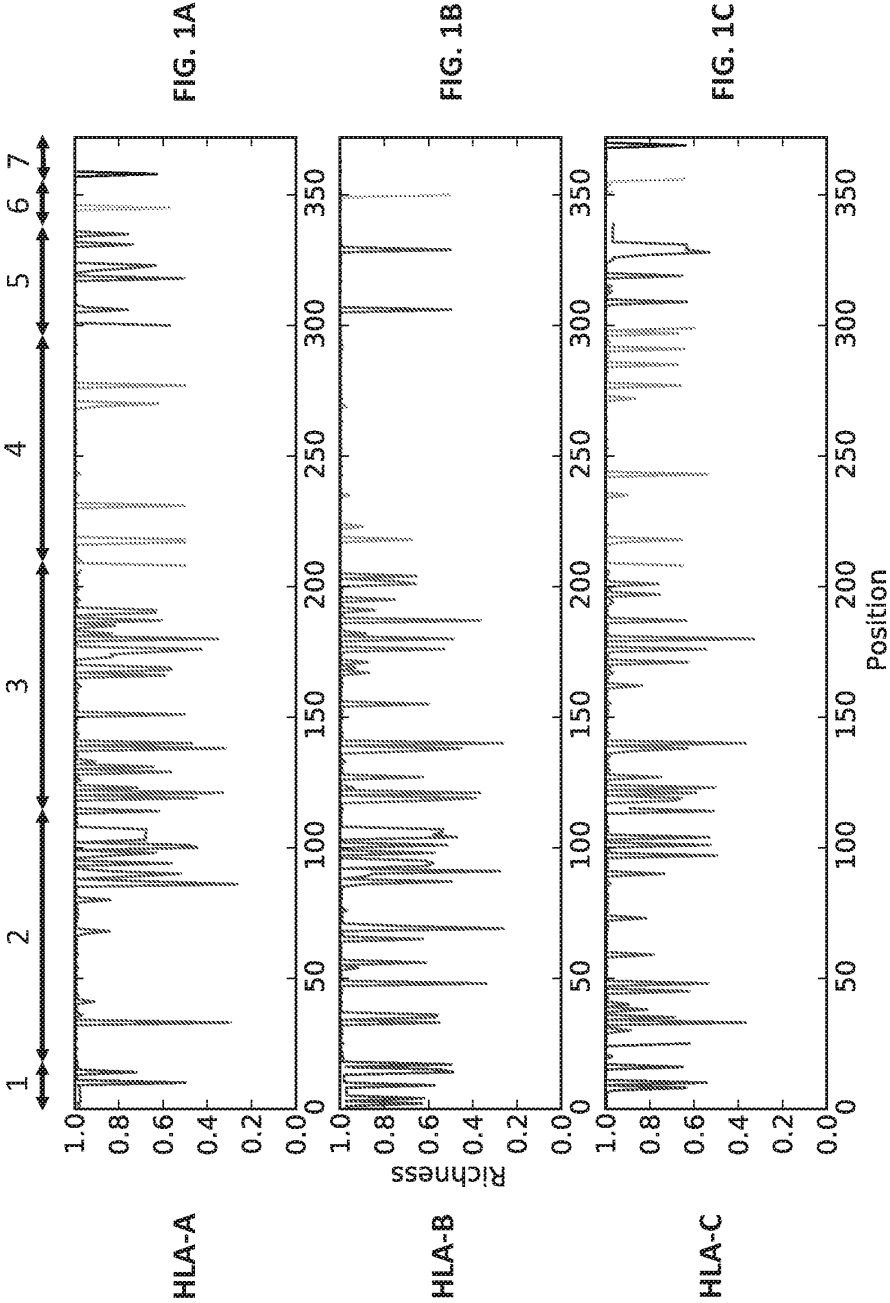




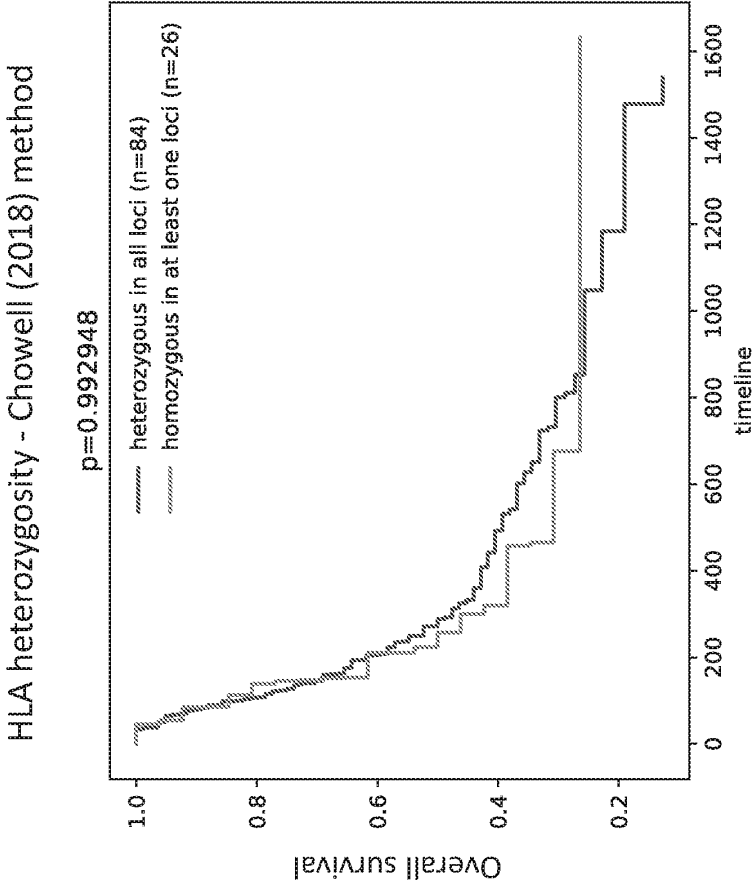


FIG. 2A

HLA diversity score

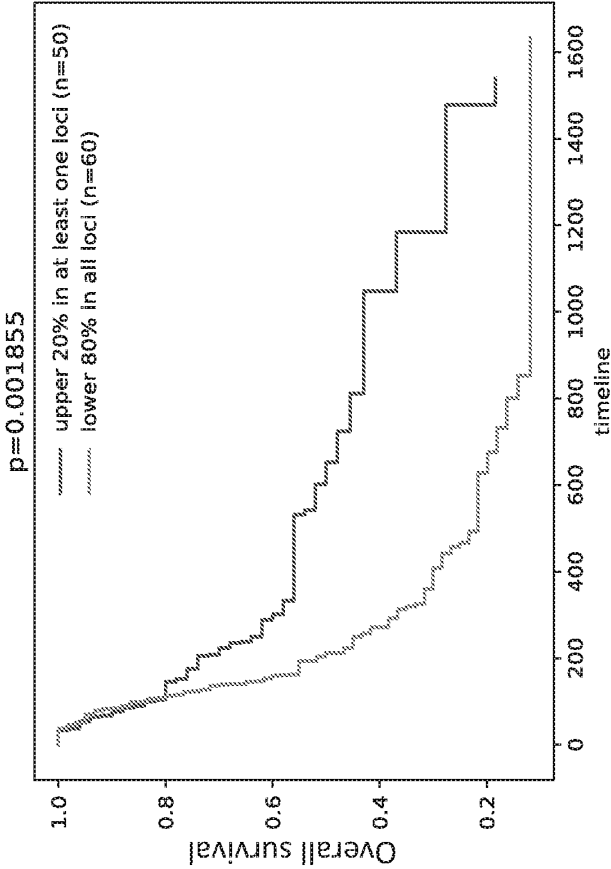


FIG. 2B

HLA heterozygosity + TMB - Chowell (2018) method

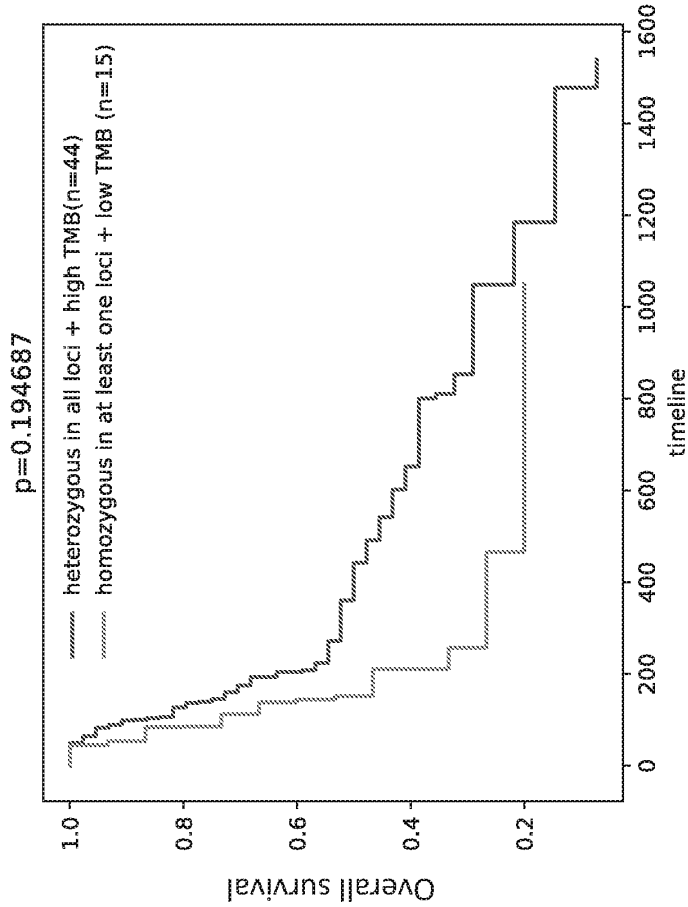


FIG. 3A

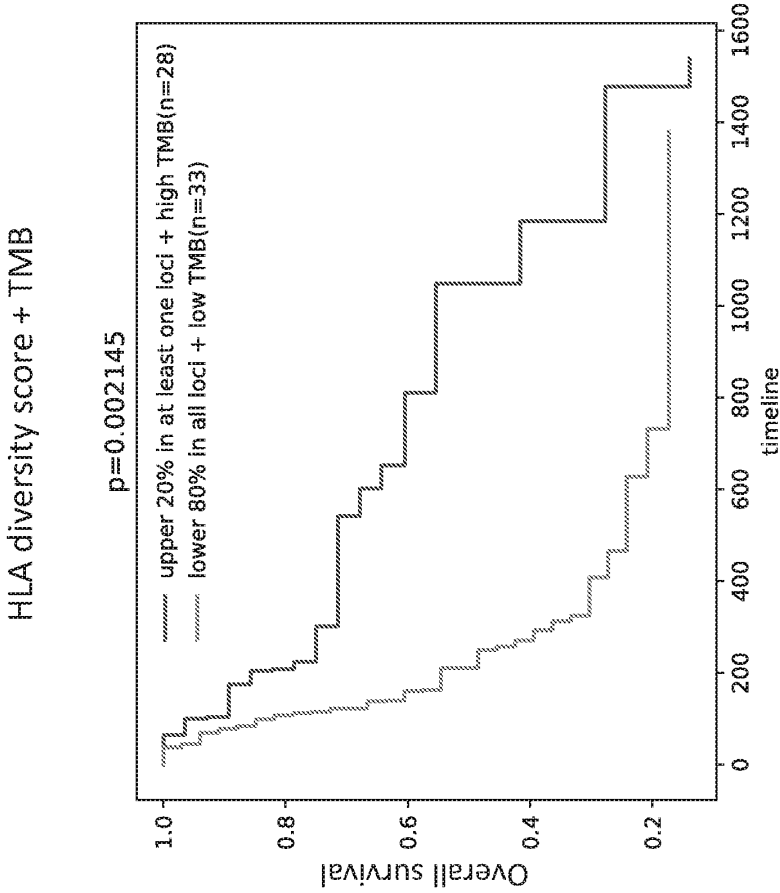


FIG. 3B

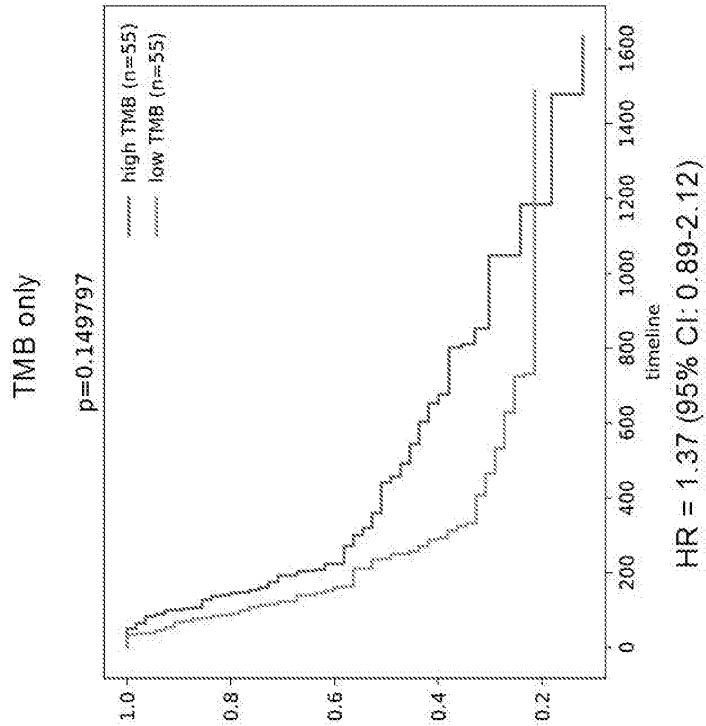


FIG. 4