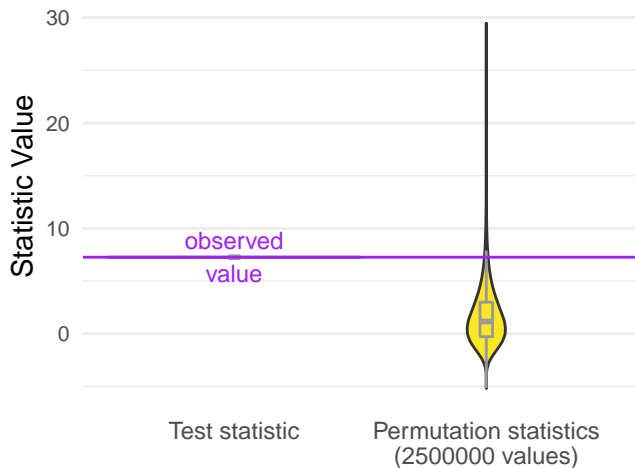


# Distribution of AMKAT Statistics on a Fixed Data Set

Simulated SNP set, 28-variable signal set with weakly-correlated components,  $p = 567$ ,  $n = 50$   
Multivariate normal errors with correlated components ( $\pm 0.5$  pairwise)

## Without Filter

Test statistic is deterministic on fixed data



## With PhiMr Filter

Test statistic varies on fixed data

