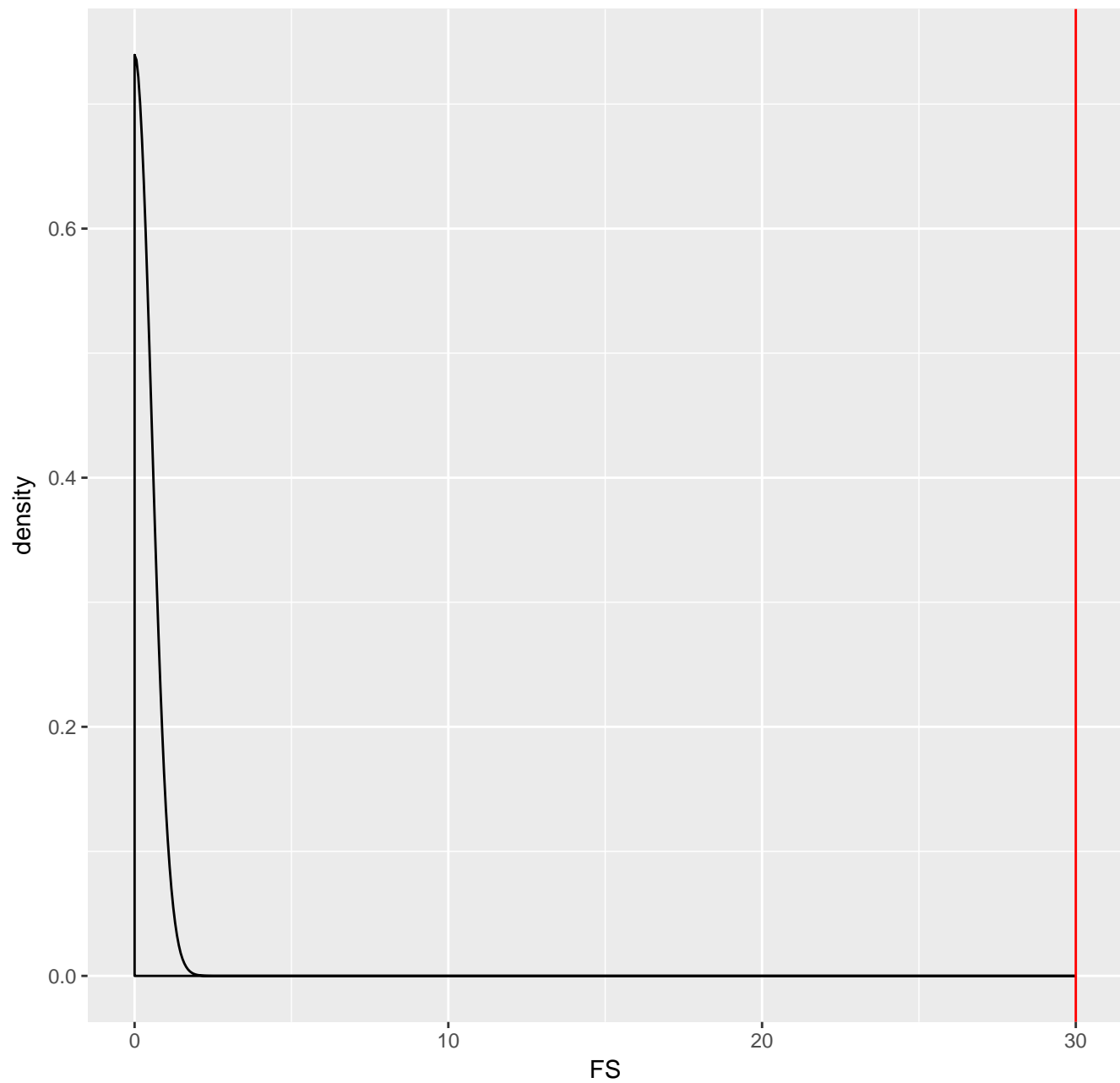
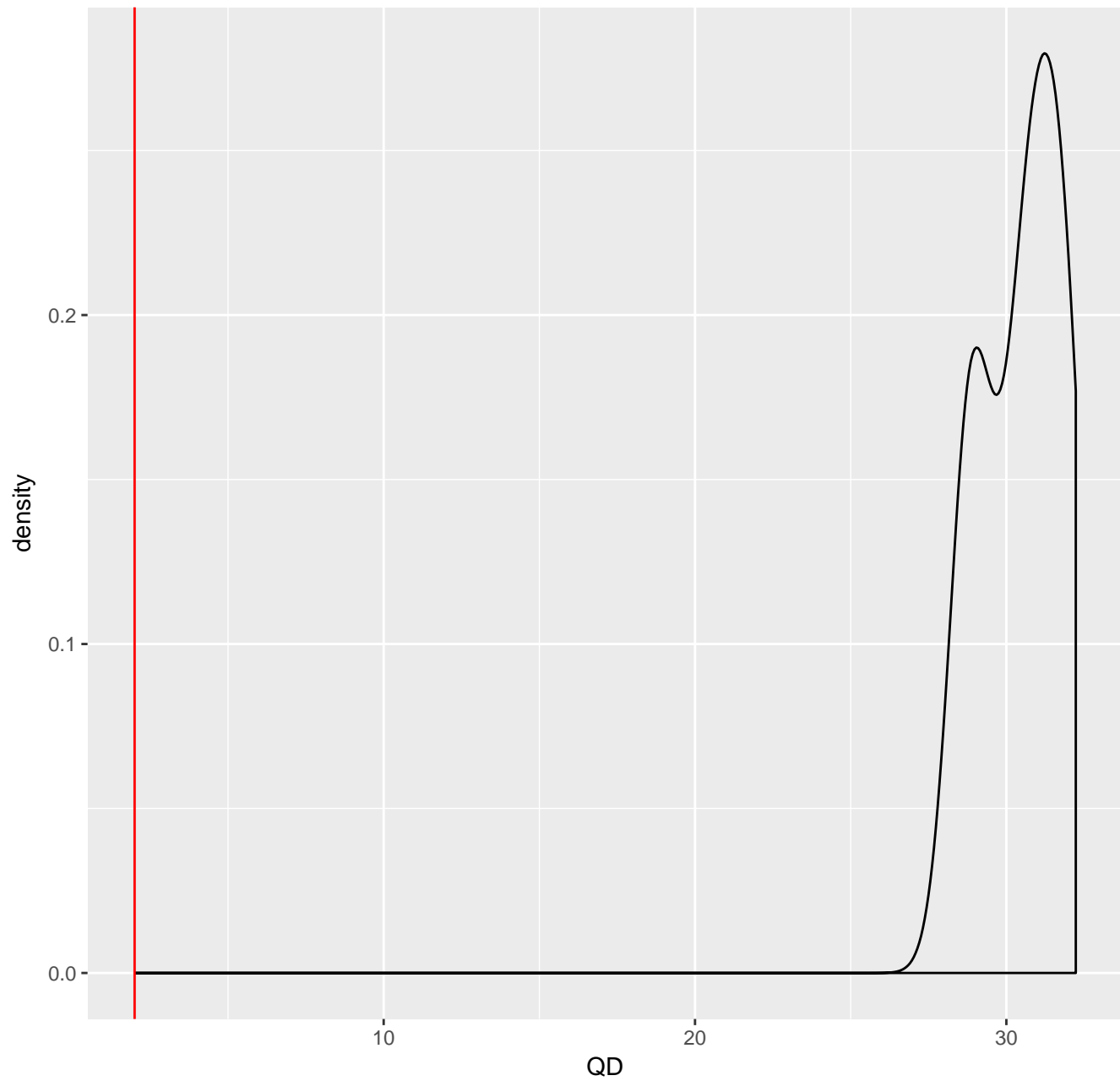


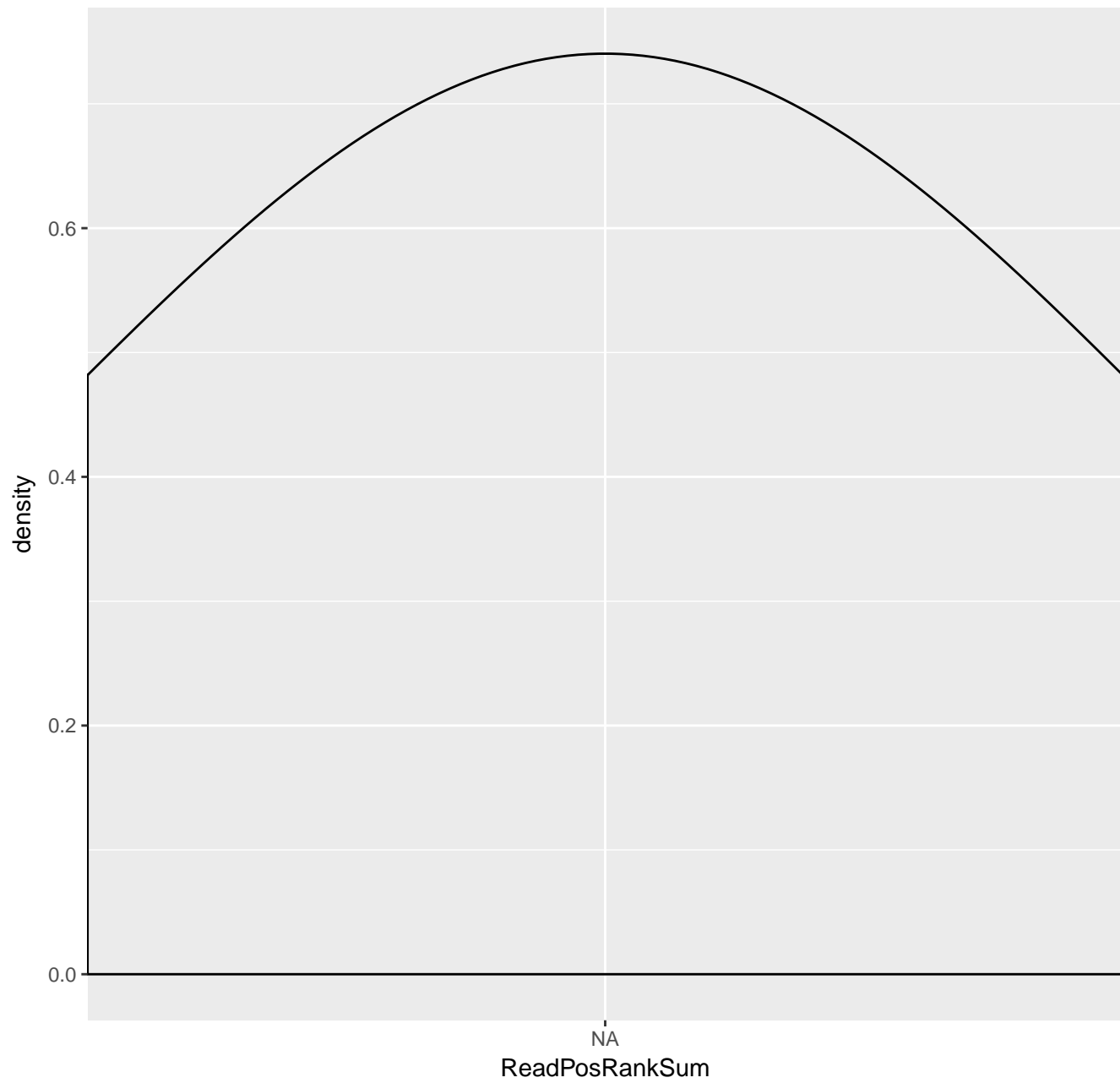
Fisher Strand (FS– Strand Bias Variant on F or R) – Greater than 30 removed



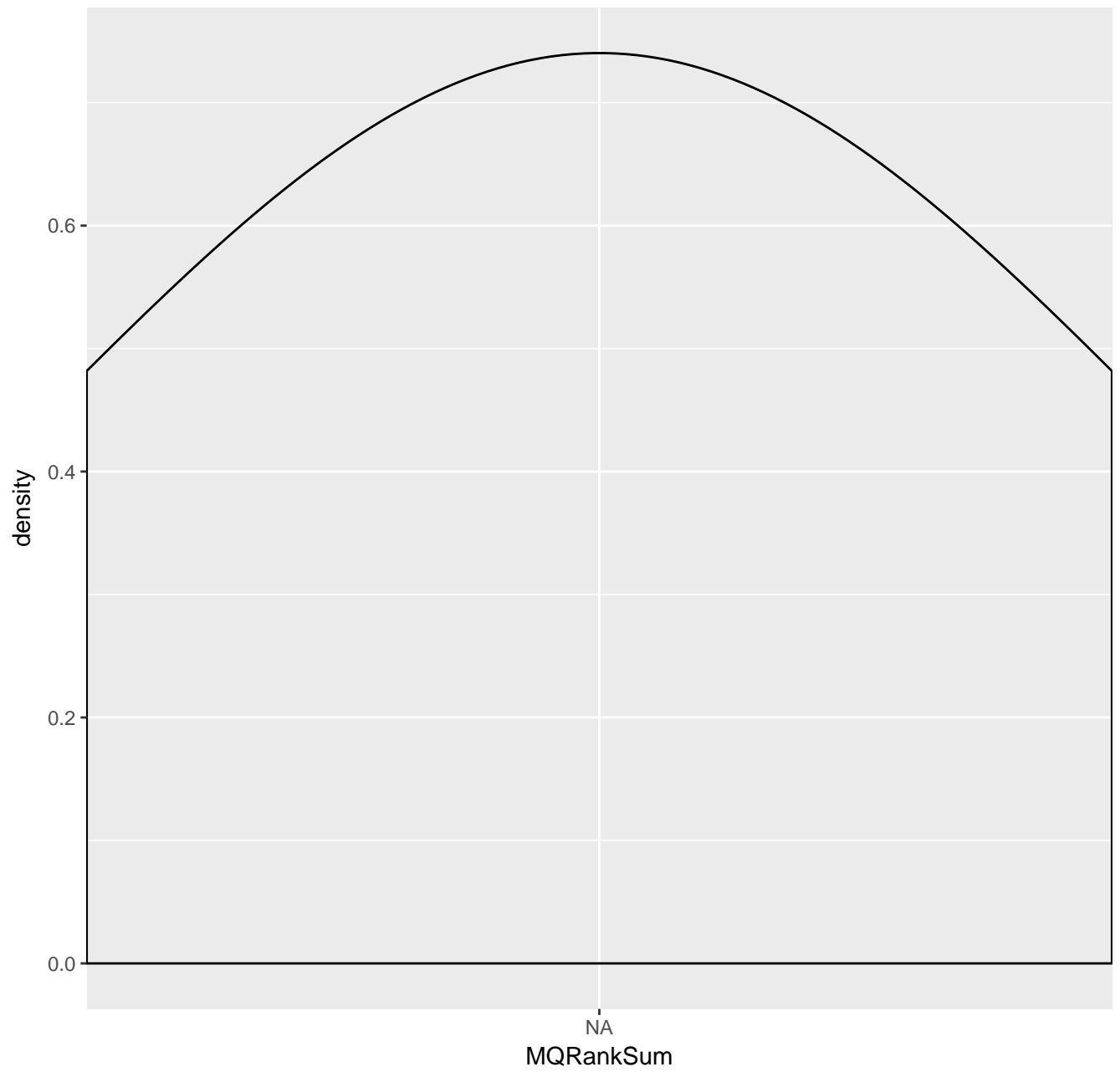
QD –variant qual/unfiltered depth – Below 2 removed



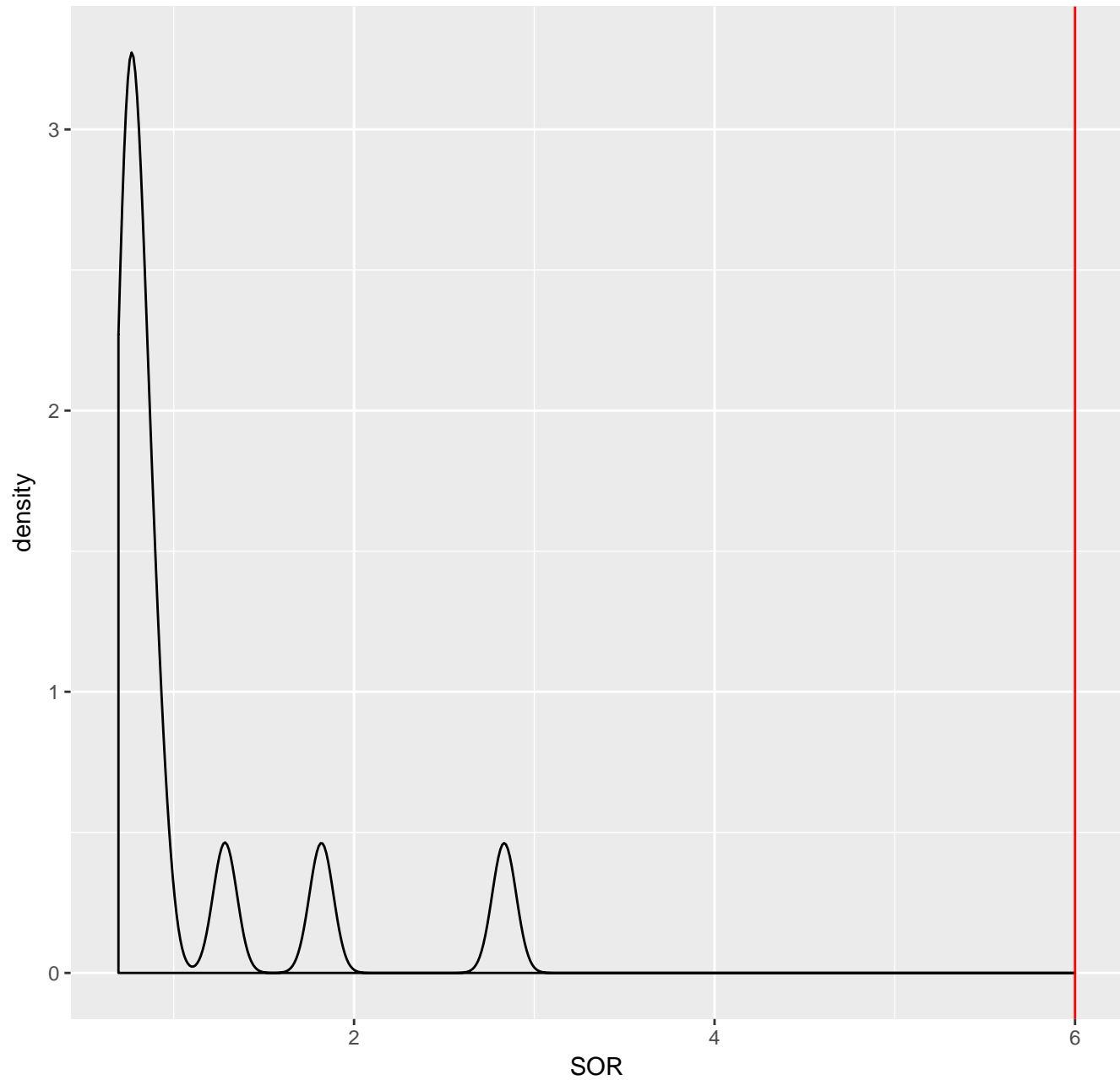
ReadPosRankSum – Negative values indicate ALT near ends (cutoff -5.5)



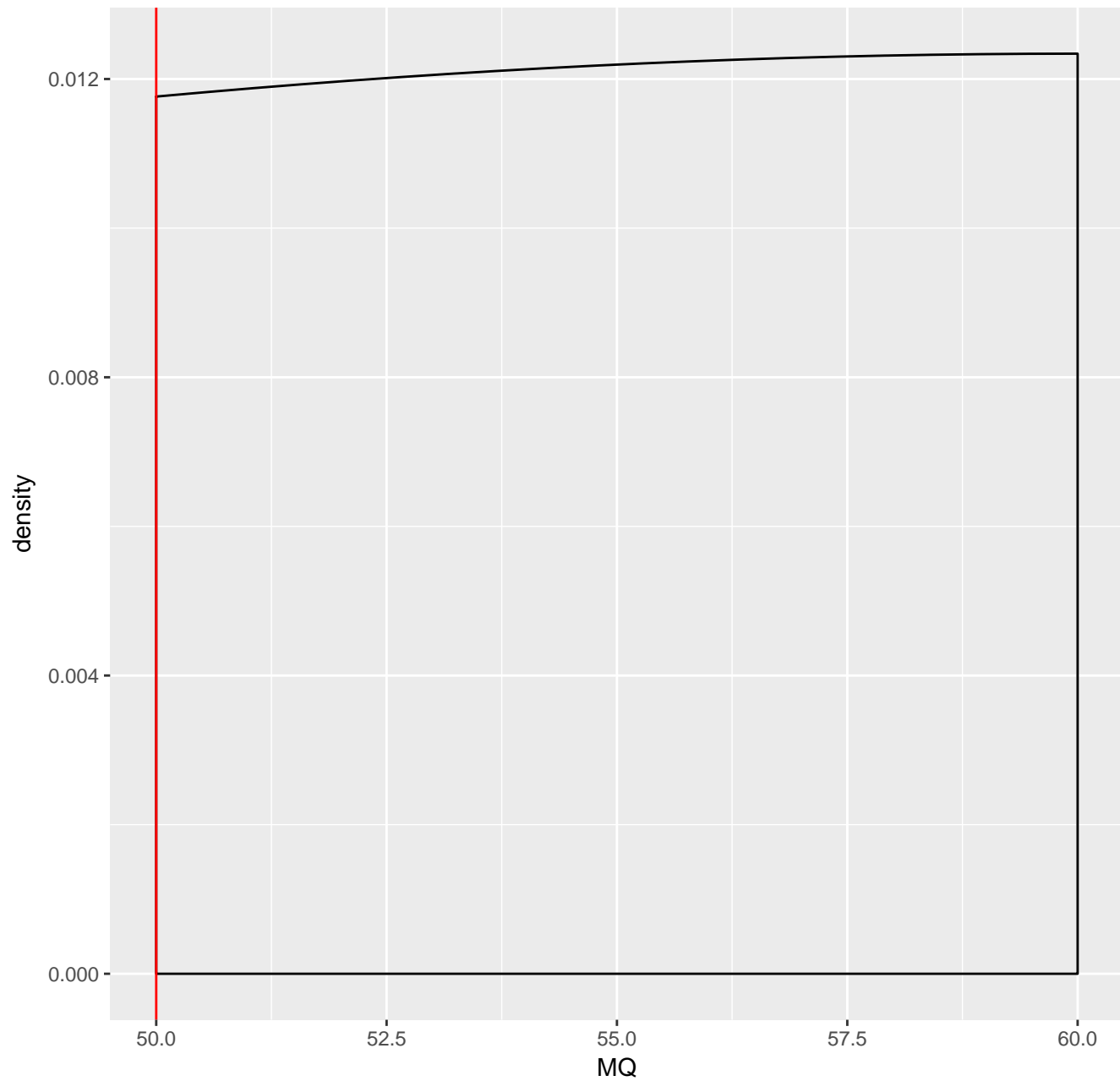
MQRankSum of Mapping Quality – Negative values indicate ALT near ends (–10



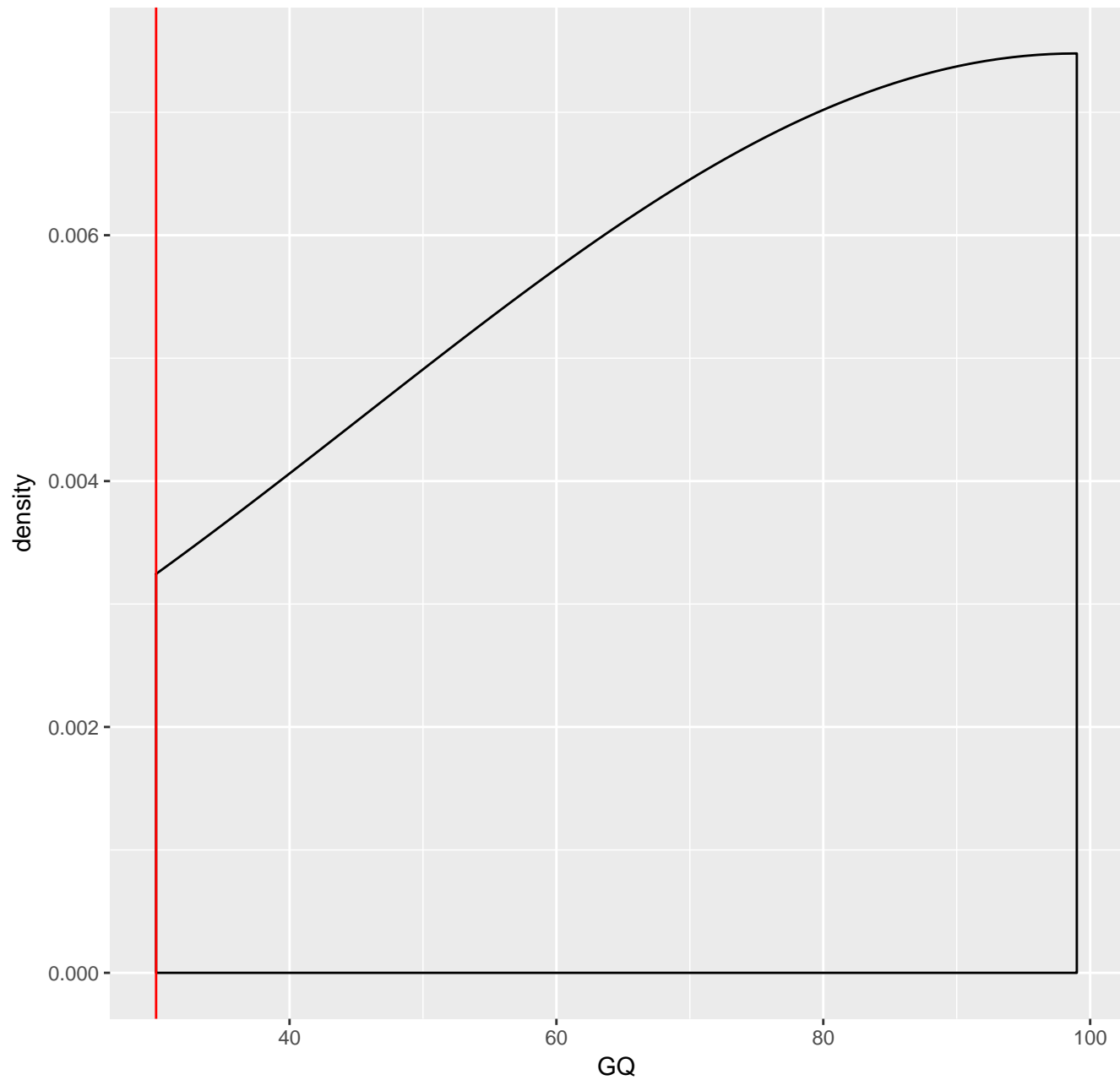
StrandOddsRatio (SOR) – Greater than 6 shows strand bias



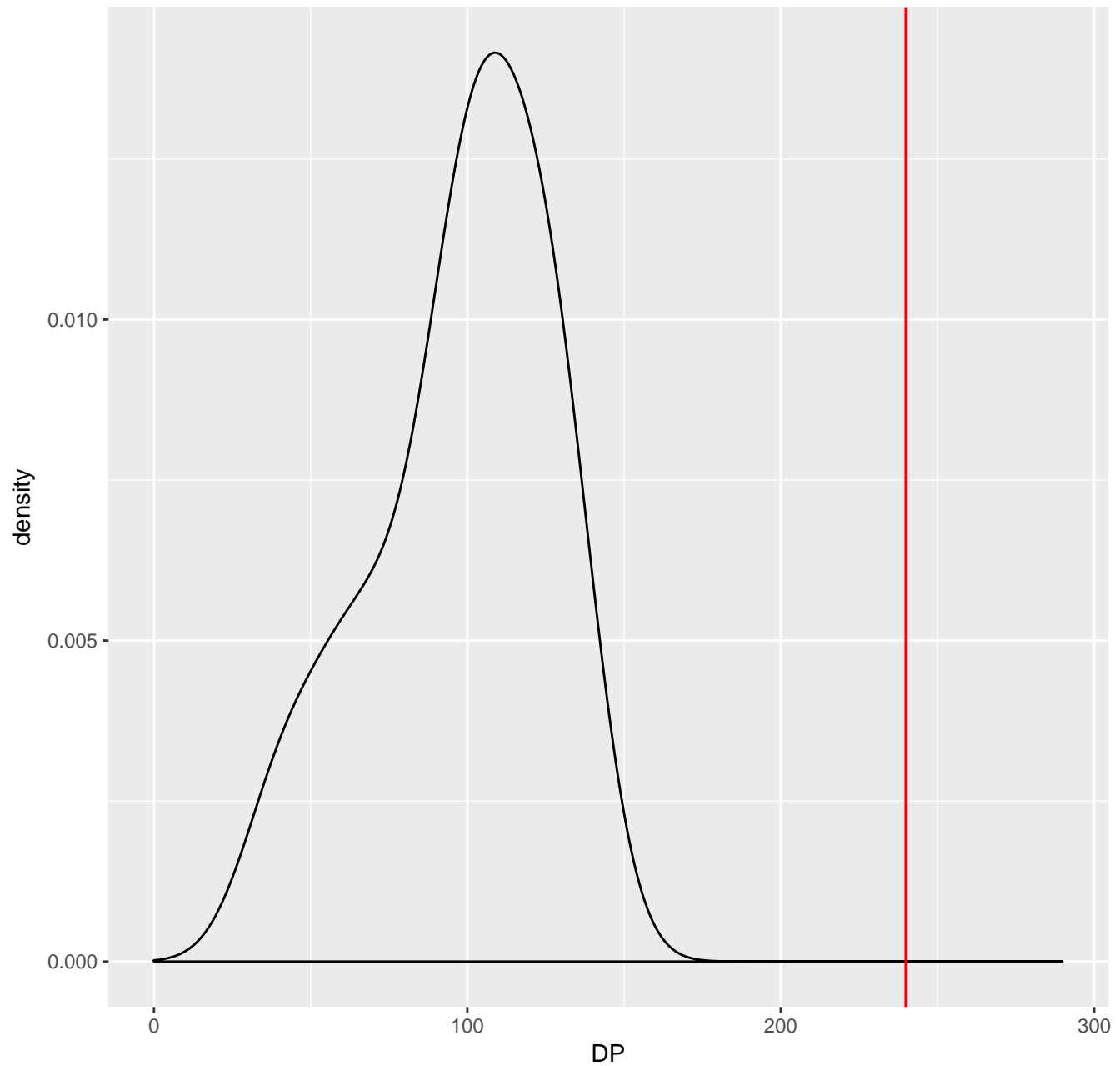
Root Mean Square Error Mapping Quality (MQ) – Less than 50 removed



GQ– Genotype Quality (Phred score) – No current cutoff



DP– Depth – Red line drawn at Mean + 5\*STDEV





# Depth Statistics

|   | mean             | SD               | mean_plus_5xSD   |
|---|------------------|------------------|------------------|
| 1 | 97.9230769230769 | 28.3856229409113 | 239.851191627633 |