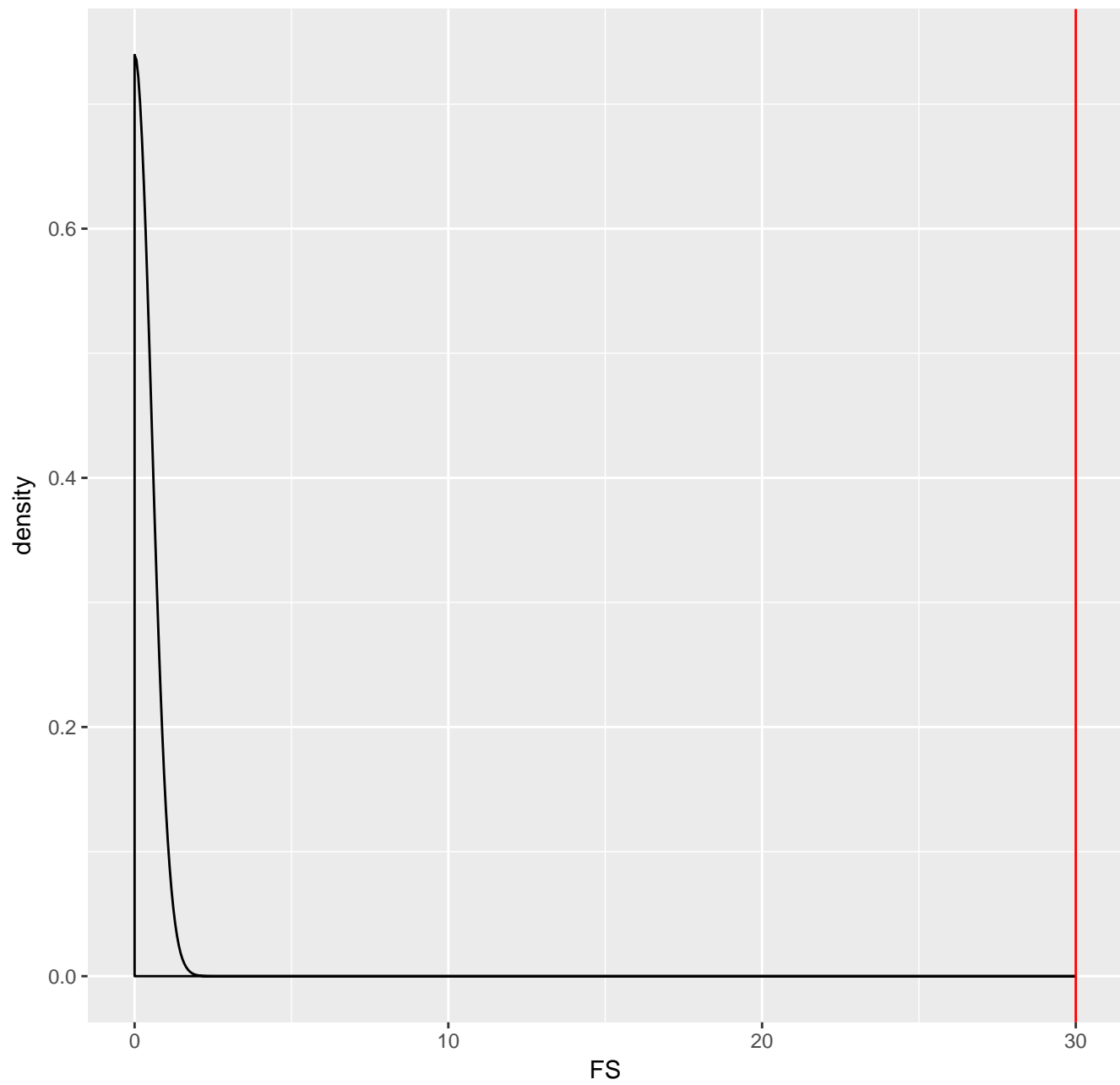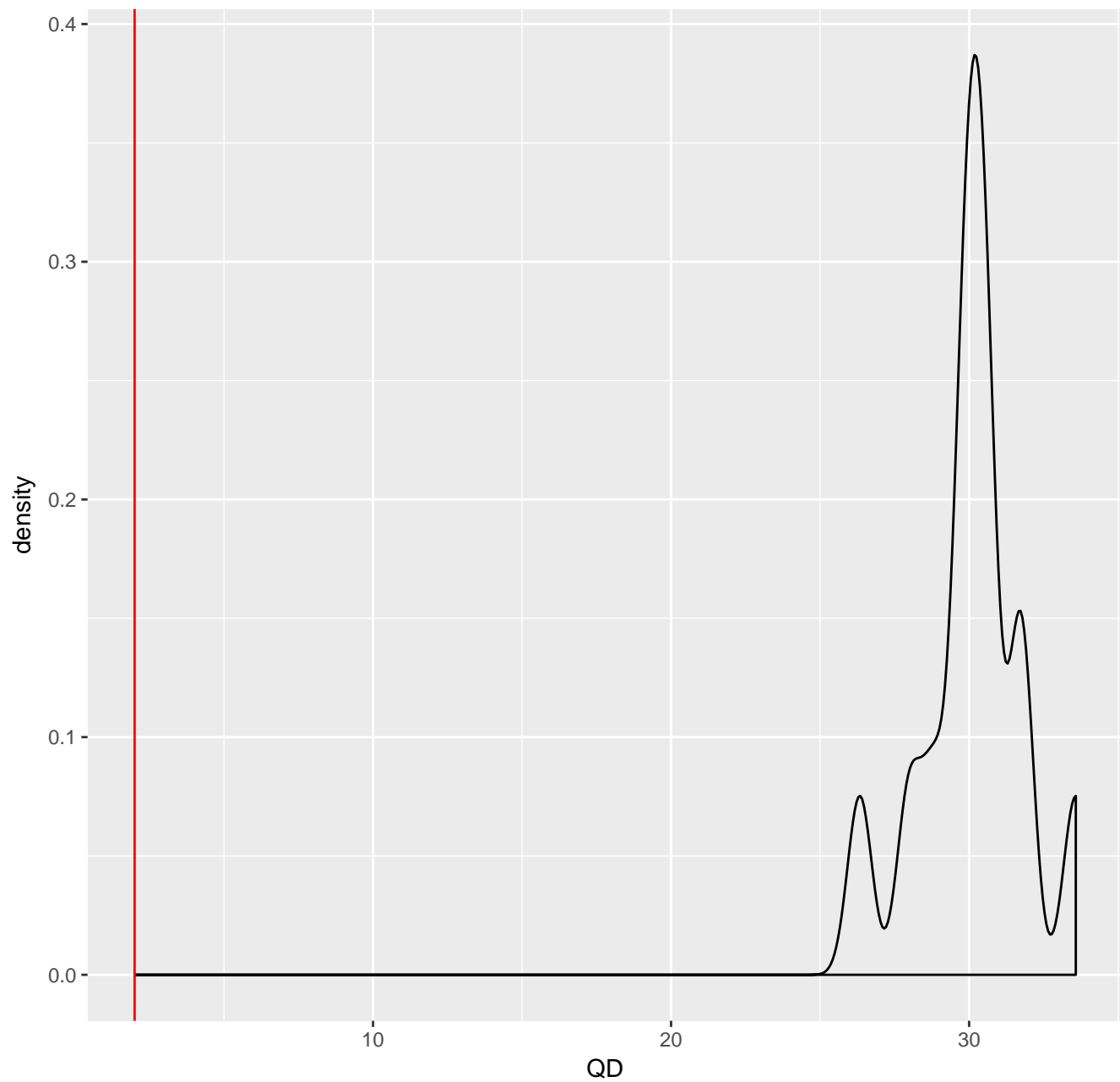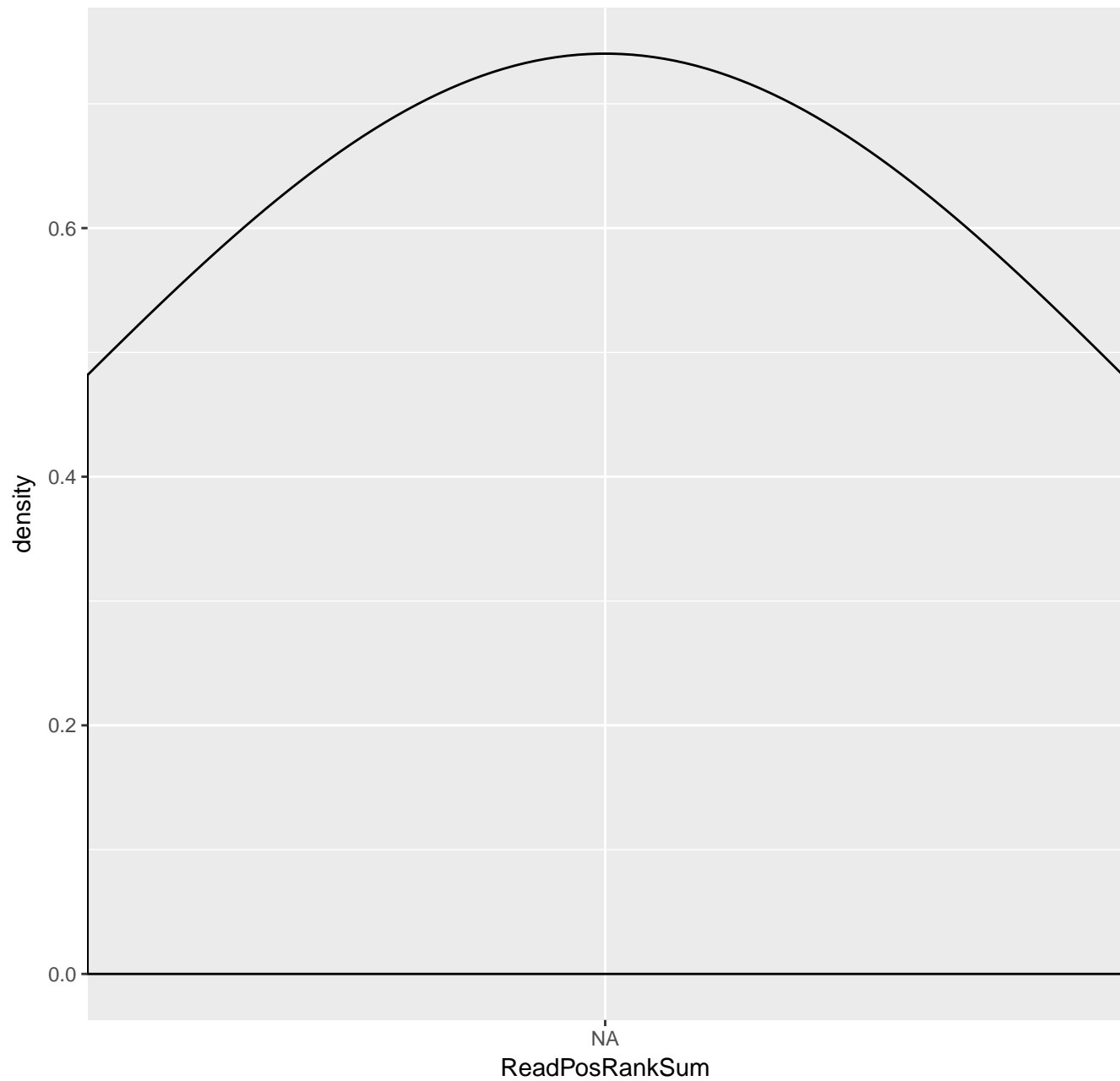Fisher Strand (FS– Strand Bias Variant on F or R) – Greater than 30 removed
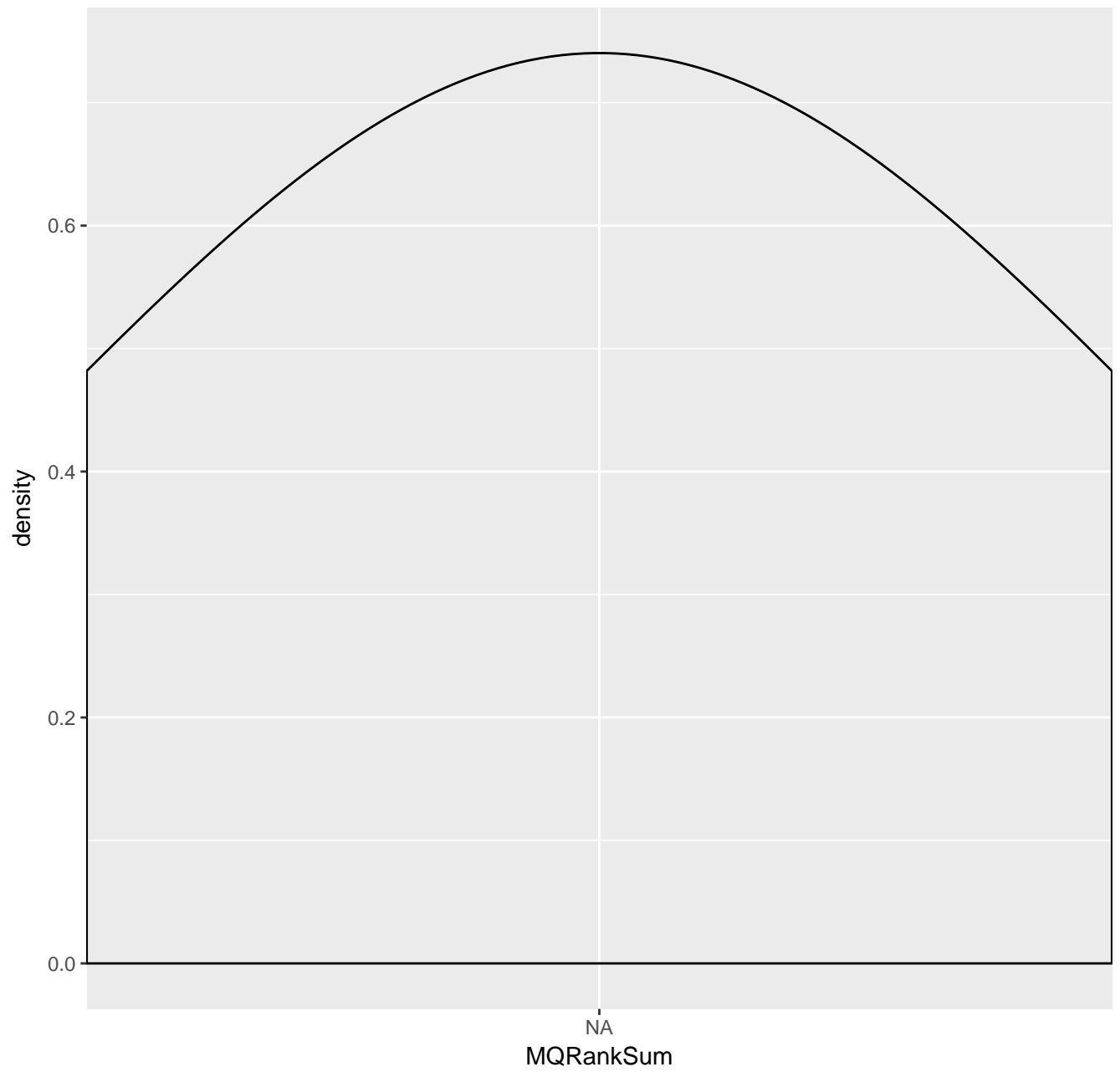
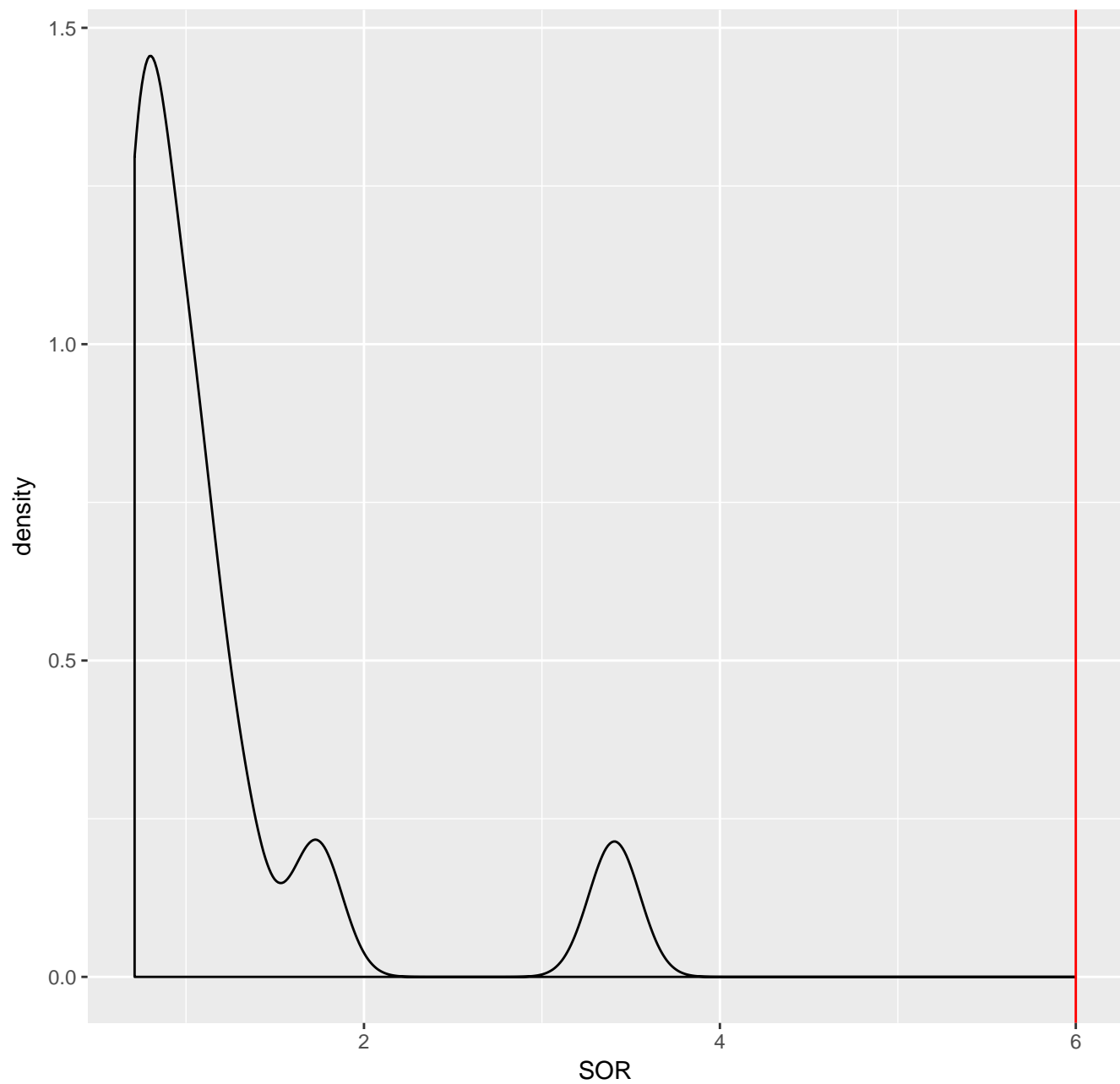QD –variant qual/unfiltered depth – Below 2 removed

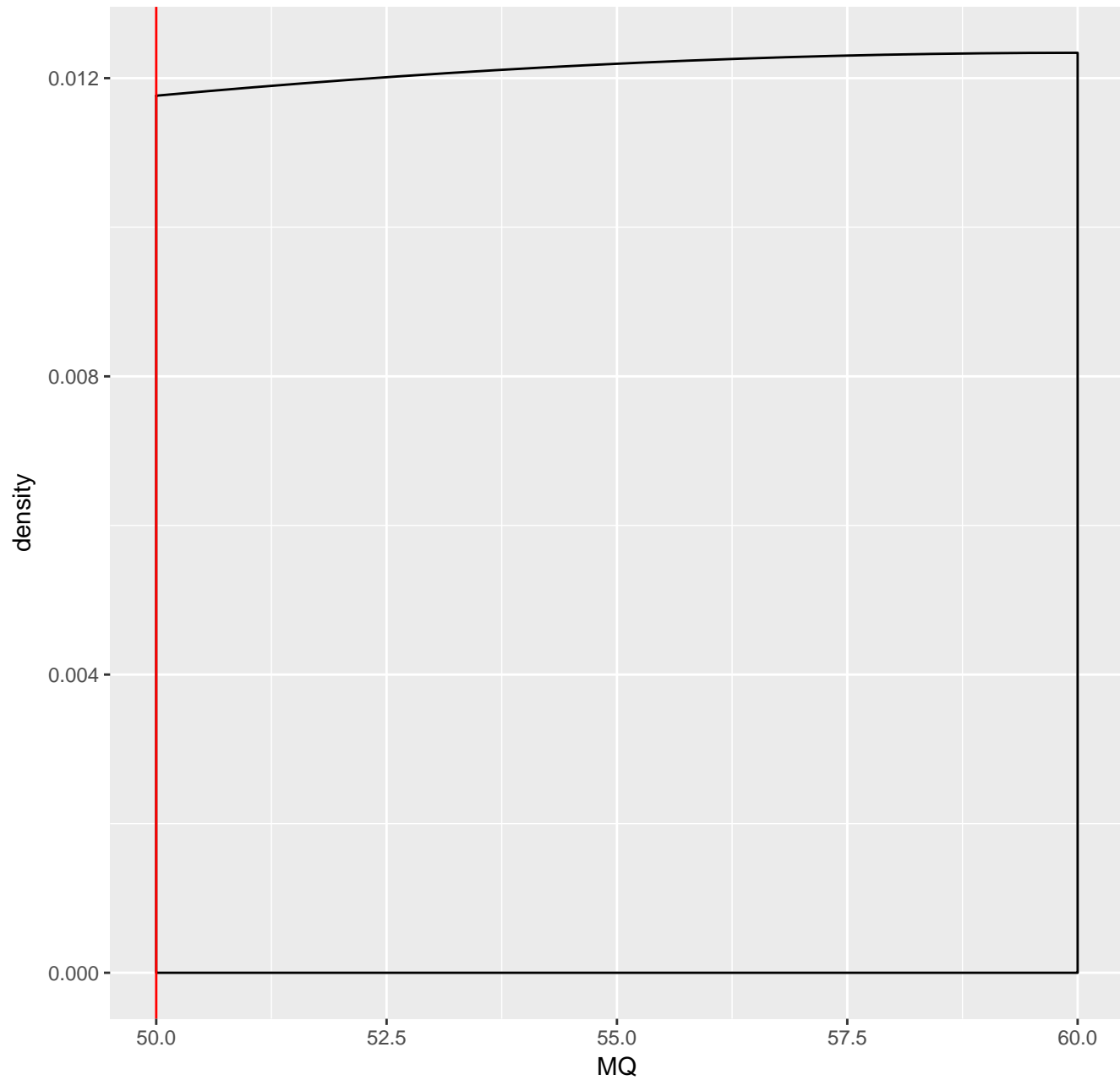ReadPosRankSum – Negative values indicate ALT near ends (cutoff –5.5)

MQRankSum of Mapping Quality – Negative values indicate ALT near ends (−10
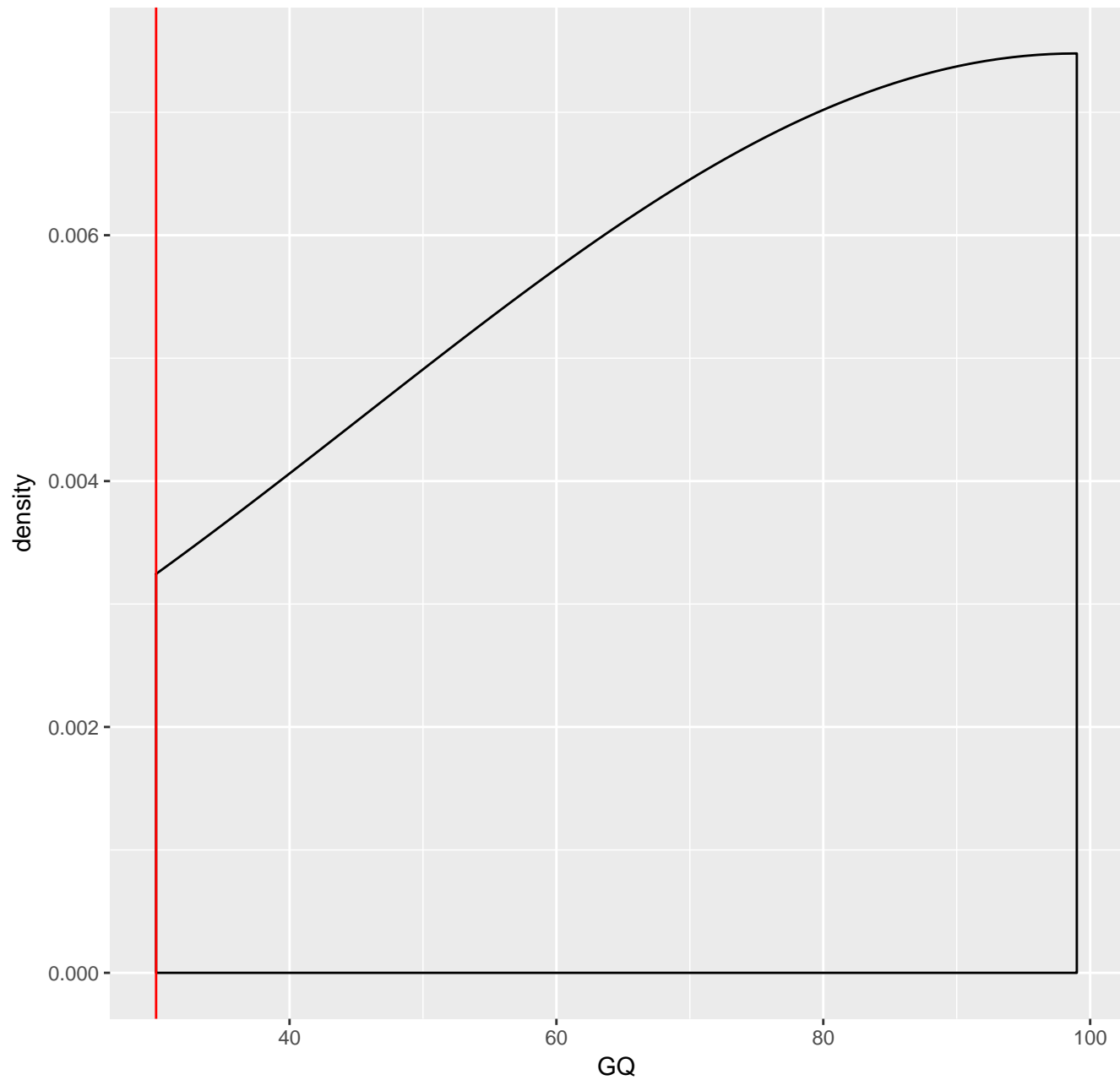
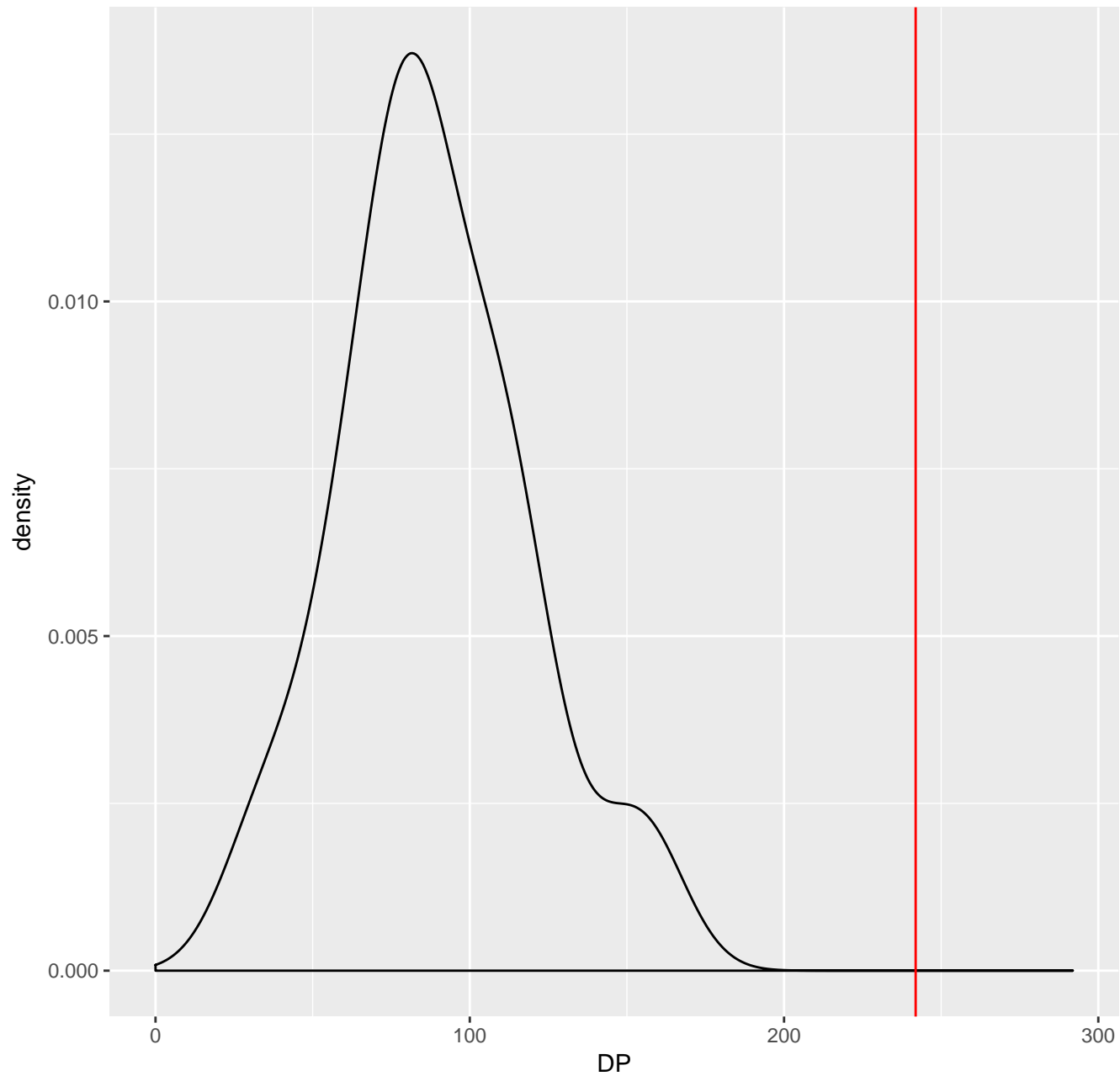StrandOddsRatio (SOR) – Greater than 6 shows strand bias

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	88.7692307692308	30.6217619952267	241.878040745364