

Figure 1.

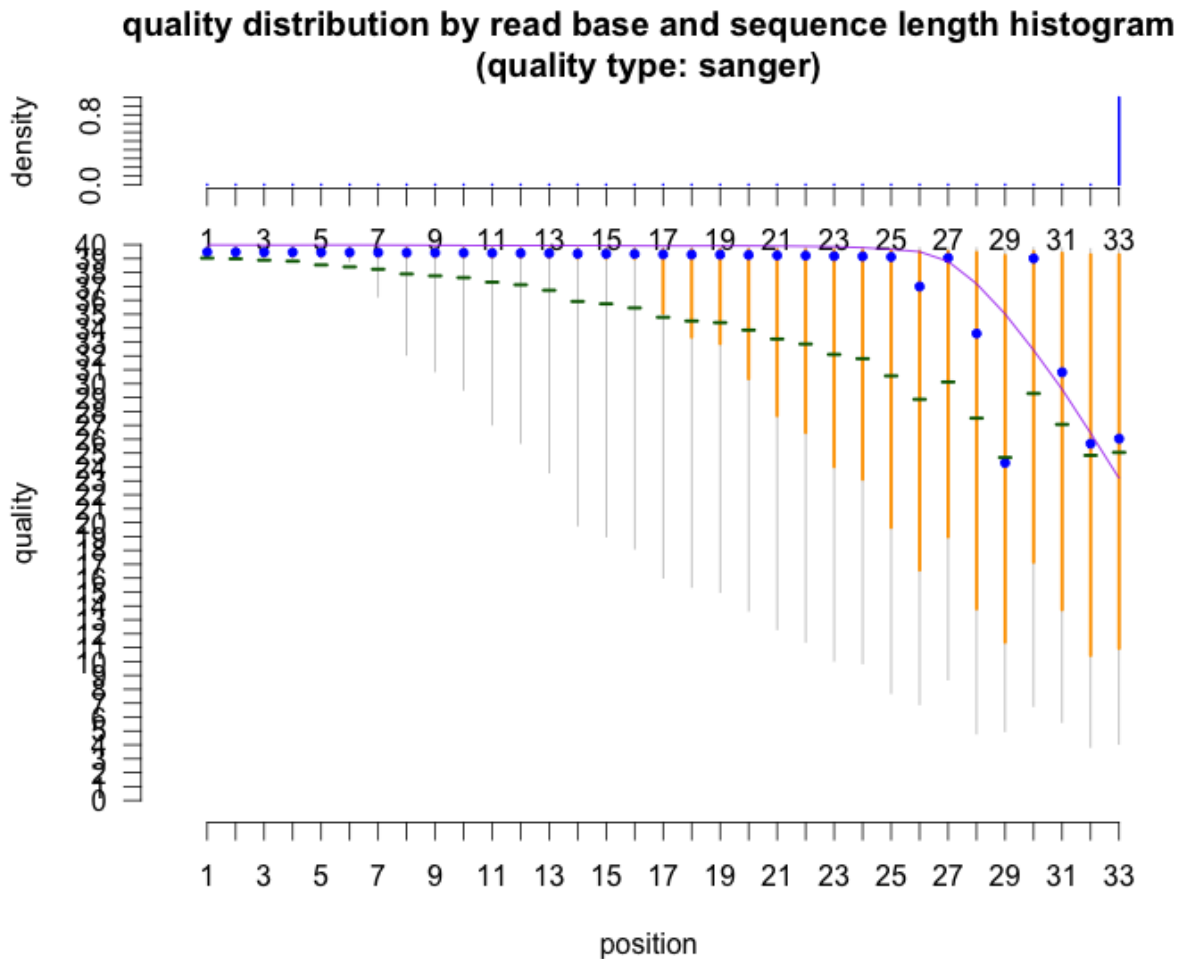


Figure 1. Quality plot per base. The x-axis is all the individual bases at their position in the read. This is a 33 base-pair run. For every base call there is a distribution of values. The blue point is the median; the green dashes show the mean-value quality score. The range of 25% to 75% quartiles is shown by the orange lines. The purple line is the lowest curve fit through the points. The desired quality score is somewhere above 20. This plot shows that quality starts to fall off around the 26<sup>th</sup>-27<sup>th</sup> position. Therefore, the data may need to be trimmed back to about base 26 or 27 to be sure that base calls are any good.