

Fig. S4

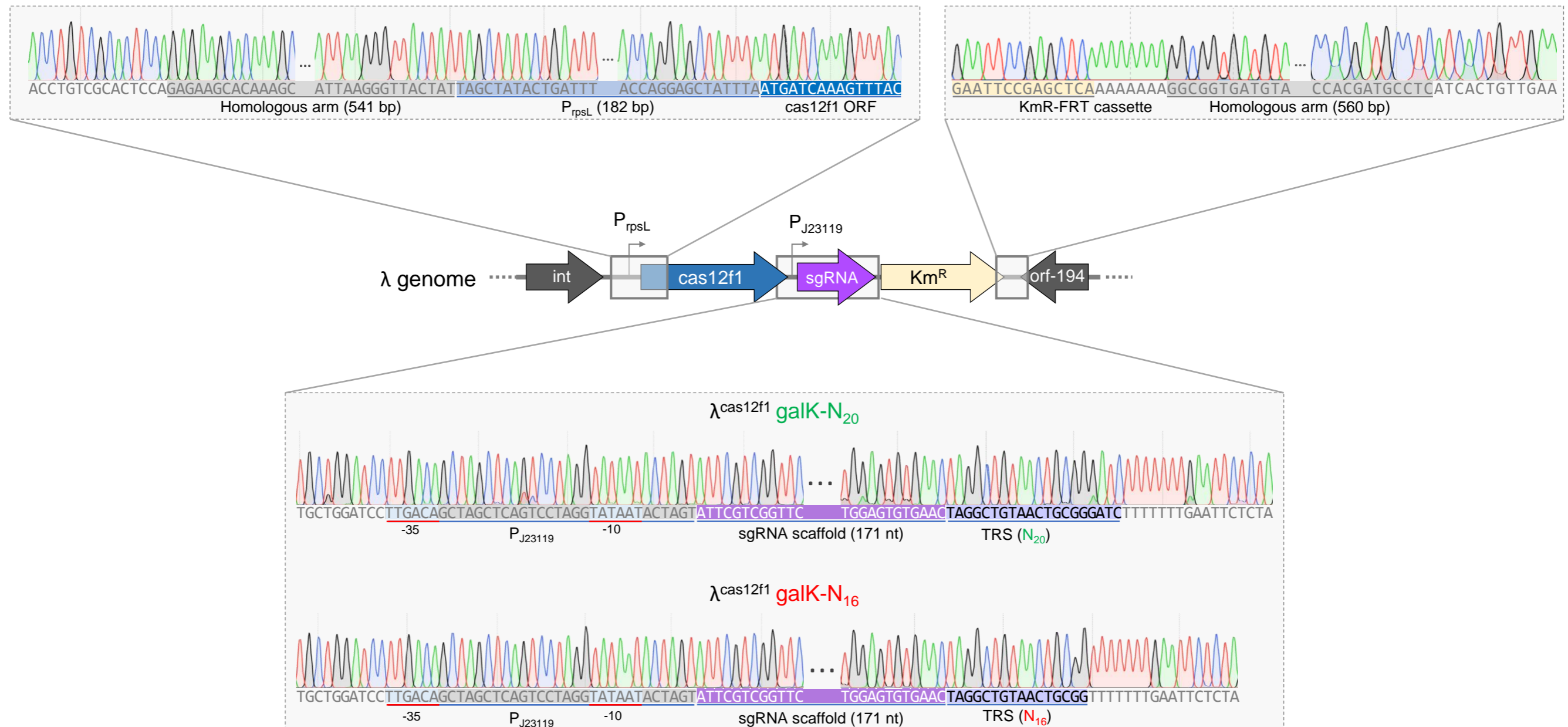


Fig. S4. Construction of $\lambda^{cas12f1} galk-N_{20}$ and $\lambda^{cas12f1} galk-N_{16}$ phages.

The $cas12f1$ gene and $galk$ -targeting sgRNA ($galk-N_{20}$ or $galk-N_{16}$) gene were inserted in the $b2$ region of the $\lambda c^{\beta 57}$ phage. $galk-N_{20}$ and $galk-N_{16}$ represent two different truncated sgRNAs with $galk$ TRS of 20 nucleotides and 16 nucleotides, respectively.