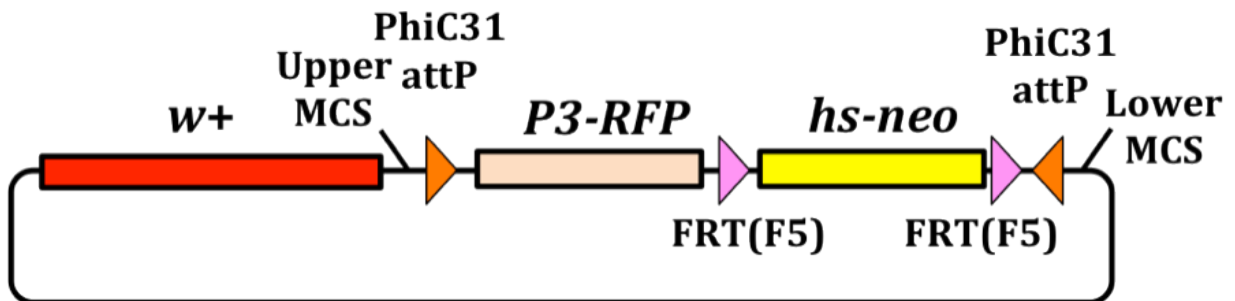


# pRVV613

Resistance: Amp  
Backbone: pBluescript SK+

## Description

Donor vector for creation of PhiC31 attP-flanked alleles in *D. melanogaster* by e.g. CRISPR/Cas9 technology. *hs-neo* and *P3-RFP* (*3xPax6-RFP*) are positive selection markers while the *white* (*w+*) gene can be used as counter-selection marker in cases of plasmid integration events. The *hs-neo* cassette can be removed by FLP recombination using the unidirectional FRT(F5) sites.



## Coordinates of important elements:

665-4802 *mini-white* gene

4821-4852 Upper MCS consisting of Sbf I, Avr II, Stu I, and Bgl II restriction enzyme sites

4861-4899 PhiC31 attP site

4900-6677 *P3-RFP* cassette

6678-6711 FRT(F5)

6712-7997 *hs-neo* cassette

7998-8031 FRT(F5)

8044-8082 Inverted PhiC31 attP site

8083-8973 Lower MCS consisting of Asc I, Nhe I, Nde I, Kpn I, Xba I, and Spe I restriction enzyme sites (SV40 3'UTR and some other sequences are present between Nde I and Spe I)