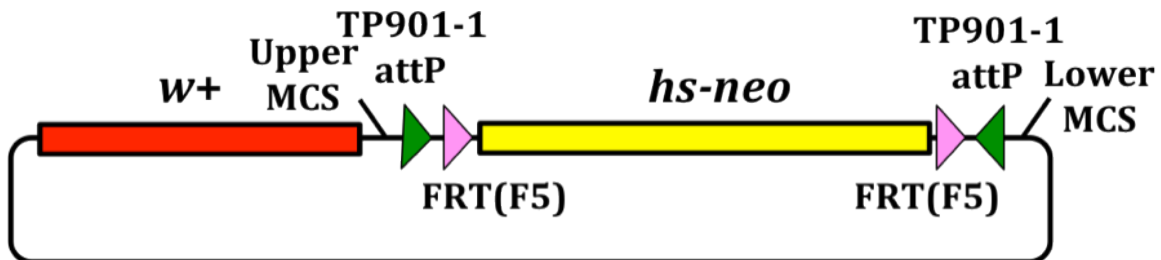


# pRVV609

Resistance: Amp  
Backbone: pBluescript SK+

## Description

Donor vector for creation of TP901-1 attP-flanked alleles in *D. melanogaster* by e.g. CRISPR/Cas9 technology. *hs-neo* is the positive selection marker while the *white* (*w+*) gene can be used as counter-selection in cases of plasmid integration events. The *hs-neo* cassette can be removed by FLP recombination using the unidirectional FRT(F5) sites, resulting in a cleaner deletion allele.



## Coordinates of important elements:

665-4802 *mini-white* gene

4807-4860 Upper MCS consisting of Swa I, Sbf I, Hind III, Avr II, Stu I, Bgl II and Not I restriction enzyme sites

4861-4925 TP901-1 attP site

4940-4973 FRT(F5)

4974-6259 *hs-neo* cassette

6260-6293 FRT(F5)

6300-6364 Inverted TP901-1 attP site

6365-7255 Lower MCS consisting of Asc I, Nhe I, Nde I, Kpn I, Xba I, Hpa I, Bam HI, and Spe I restriction enzyme sites (SV40 3'UTR and some other sequences are present between Nde I and Bam HI)