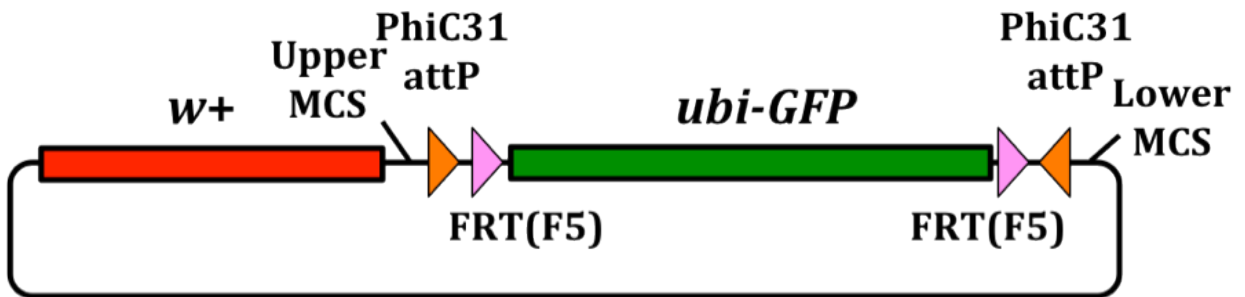


# pRVV669

Resistance: Amp  
Backbone: pBluescript SK+

## Description

Donor vector for creation of PhiC31 attP-flanked alleles in *D. melanogaster* by e.g. CRISPR/Cas9 technology. *ubi-GFP* (*ubiquitin-GFP*) is the positive selection marker while the *white* (*w+*) gene can be used as counter-selection in cases of plasmid integration events. The *ubi-GFP* 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, Avr II, Stu I, Bgl II and Not I restriction enzyme sites

4861-4899 PhiC31 attP site

4908-4941 FRT(F5)

4942-7735 *ubi-GFP* cassette

7736-7769 FRT(F5)

7782-7820 Inverted PhiC31 attP site

7821-7840 Lower MCS consisting of Asc I, Nhe I, and Nde I restriction enzyme sites