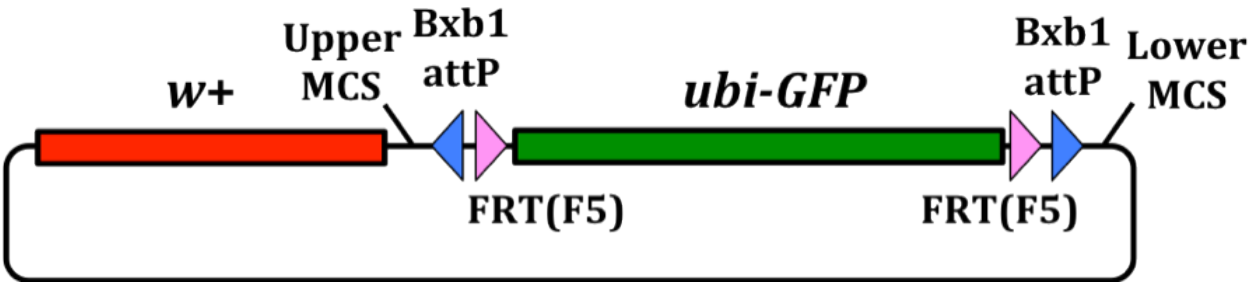
Resistance: Amp
Backbone: pBluescript SK+

pRVV651

Description

Donor vector for creation of Bxb1 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
4861-4908 Inverted Bxb1 attP site
4917-4950 FRT(F5)
4951-7744 *ubi-GFP* cassette
7745-7778 FRT(F5)
7785-7832 Bxb1 attP site
7833-7852 Lower MCS consisting of Asc I, Nhe I, and Nde I restriction enzyme sites