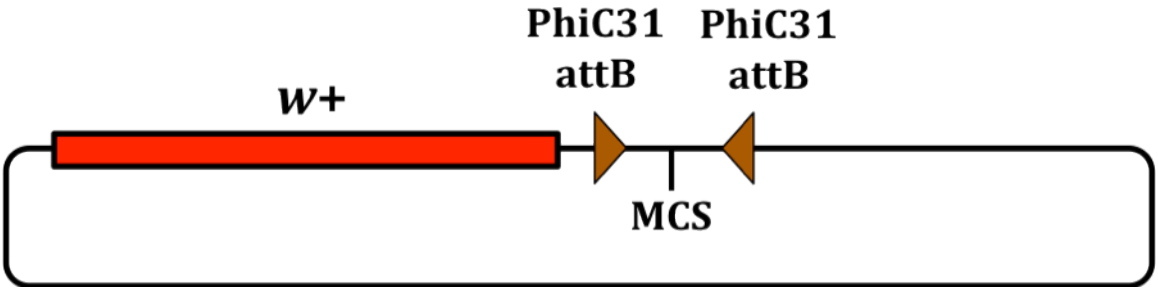
pRVV578

Resistance: Amp
Backbone: pBluescript SK+

Grow in recombination deficient comp. cells (inverted repeats present)!

Description

Replacement vector for performing RMCE (recombinase-mediated cassette exchange) of established PhiC31 attP-flanked alleles in *D. melanogaster*. There is a large multiple cloning site (MCS) between the inverted PhiC31 attB sites that allows insertion of DNA fragments of interest. The *white* gene (w+) could be used as a marker for plasmid integration events rather than RMCE.



Coordinates of important elements:

665-4802 *mini-white* gene
4828-4863 PhiC31 attB site
4864-4946 MCS consisting of HindIII, Avr II, Stu I, Bgl II, Not I, Pac I, Mlu I, Asc I, Nhe I, Nde I, Kpn I, and Bam HI restriction enzyme sites

4946-4981 Inverted PhiC31 attB site

Note: It is almost impossible to sequence through the attB inverted repeats in pRVV578. Sequence only after addition of an insert in the MCS.