

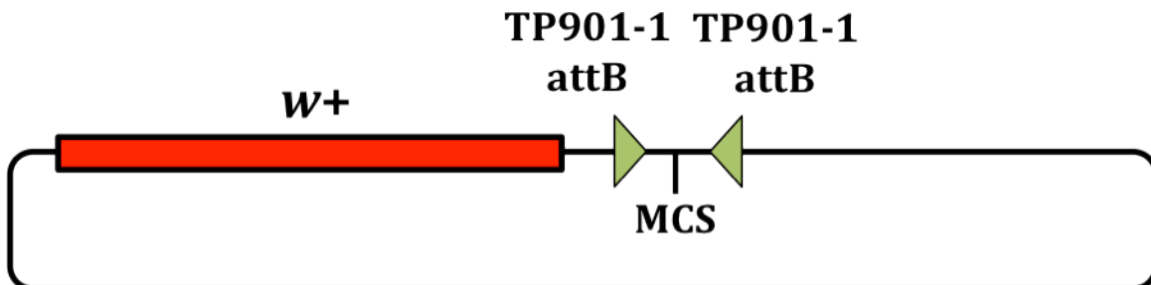
pRVV610

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 TP901-1 attP-flanked alleles in *D. melanogaster*. There is a large multiple cloning site (MCS) between the inverted TP901-1 attB sites that allows insertion of DNA fragments of interest. The *white* gene (*w+*) is used as a marker for plasmid integration events. An integration allele can subsequently be lead to full RMCE by keeping the TP901-1 recombinase in the fly genetic background.



Coordinates of important elements:

665-4802 *mini-white* gene

4835-4895 TP901-1 attB site

4894-4983 MCS consisting of Avr II, Stu I, Bgl II, Not I, Pac I, Mlu I, Eco RI, Age I, Rsr II, Sac II, Asc I, Nhe I, Nde I, Kpn I, and Bam HI restriction enzyme sites

4984-5044 Inverted TP901-1 attB site