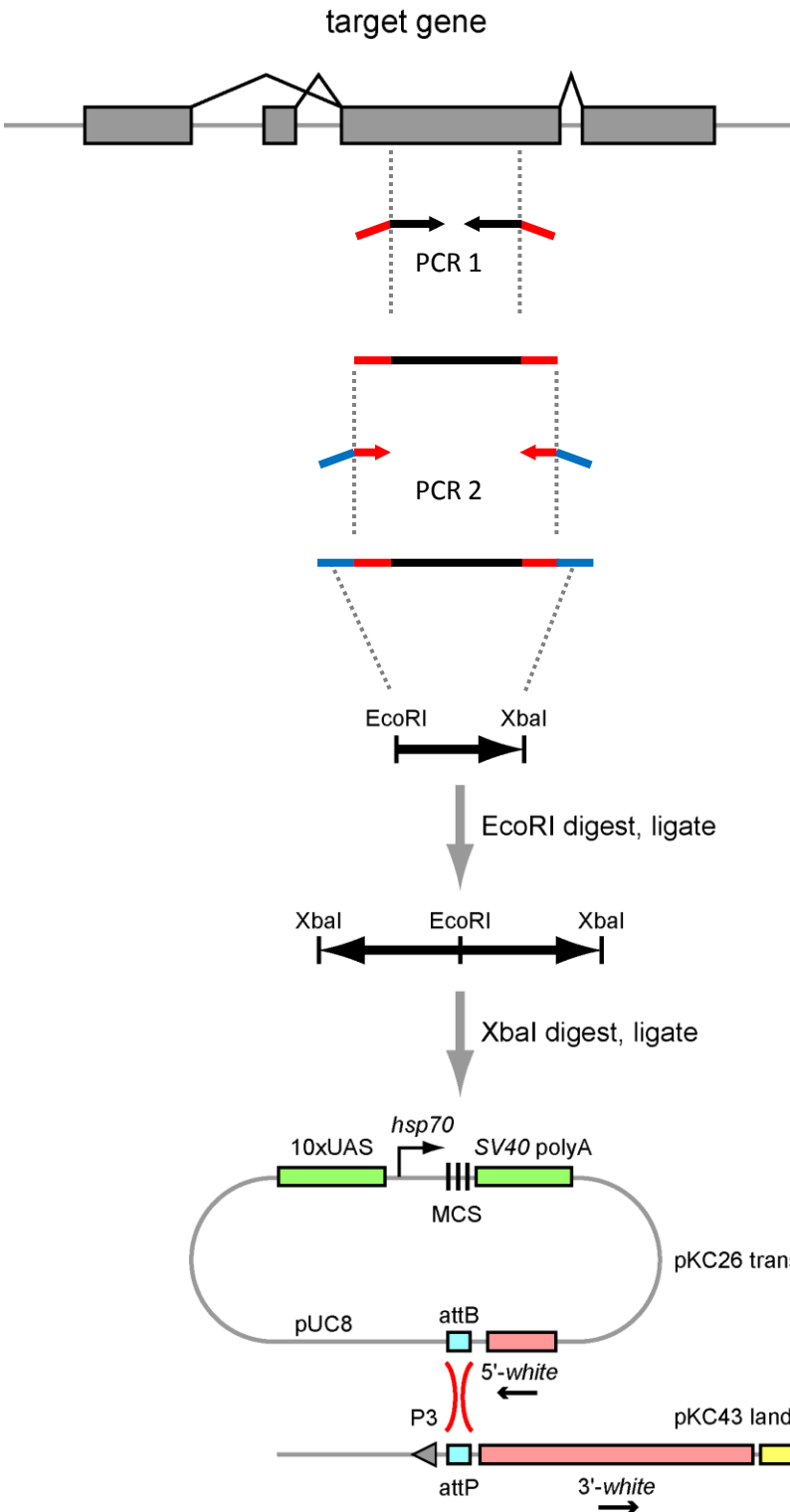


φC31 UAS-IR construct library (KK) - cloning strategy



- 1) Gene-specific PCR (PCR1) with the left primer 1 and right primer 1 (as listed in the detailed view for each line). These primers contain common sequence at the 5' end (shown in red) and a gene specific portion at the 3' end (black).
- 2) Products of this PCR were then amplified using generic primers containing an *EcoRI* (or *BglIII*) site at the 5' end of primer 2 and with *XbaI* in right primer 2 (blue).
- 3) *EcoRI* (or *BglIII*) digestion and back-to back ligation to create hairpin.
- 4) *XbaI* digestion and ligation into pKC26 vector followed by transformation into flies.

Target selection and PCR1 by Thomas Horn and Michael Boutros.