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Generation of a transgenic ORFeome library in Drosophila

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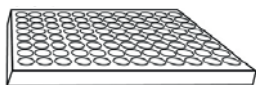
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Vector Preparation
&
Gateway ORF
Cloning



Barcode the *pGW-HA.attB* vector



Clone and sequence ORFs
into *pDONR221*



Transfer ORFs into
pGW-HA.attB



Determine barcodes of
pGW-HA.attB plasmids



Inject pooled plasmids



Establish fly strains



Identify strains via barcode
determination



Confirm ORFs by single-fly PCR

Injections
&
Generating
ORF Strains



Figure 1

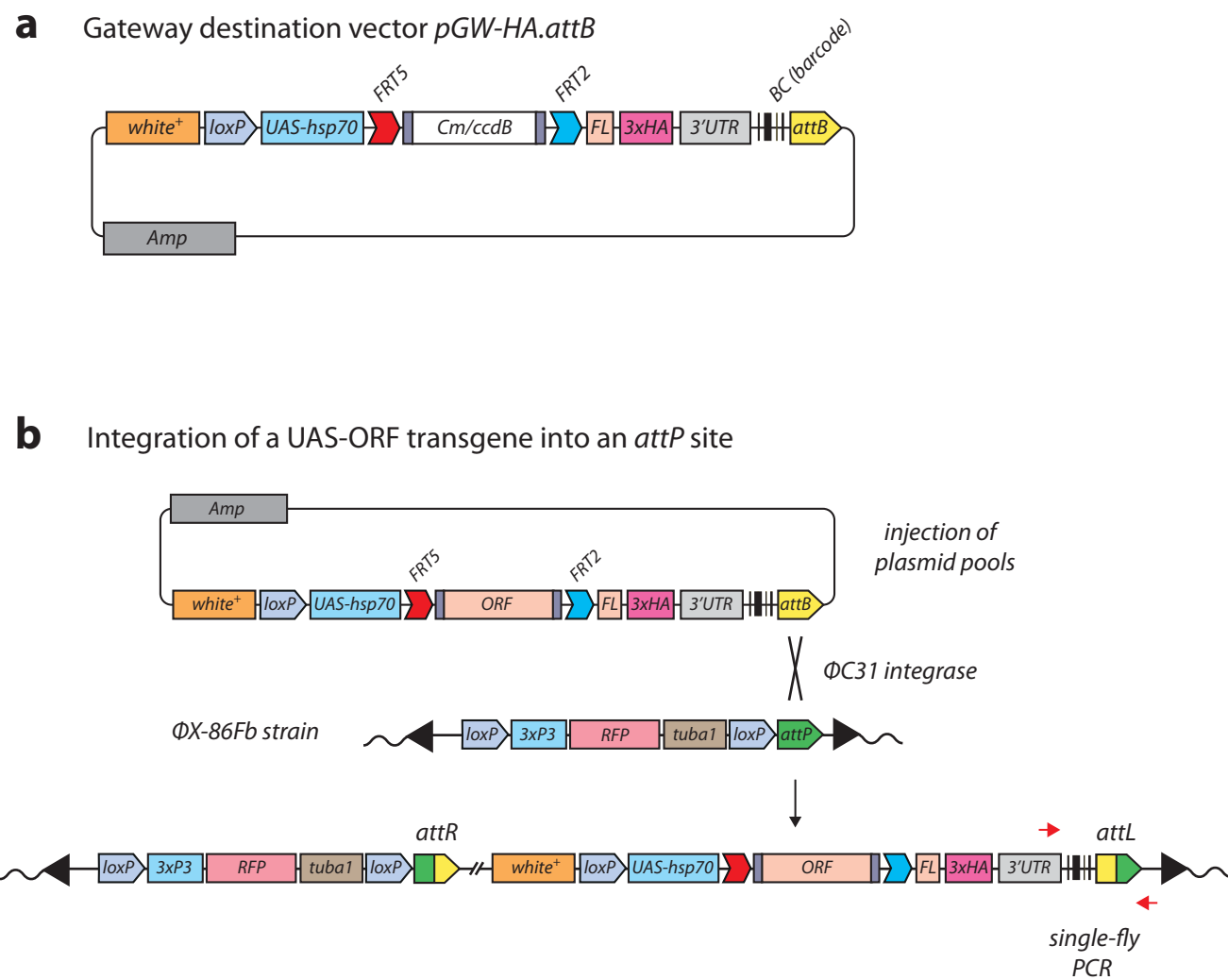


Figure 2

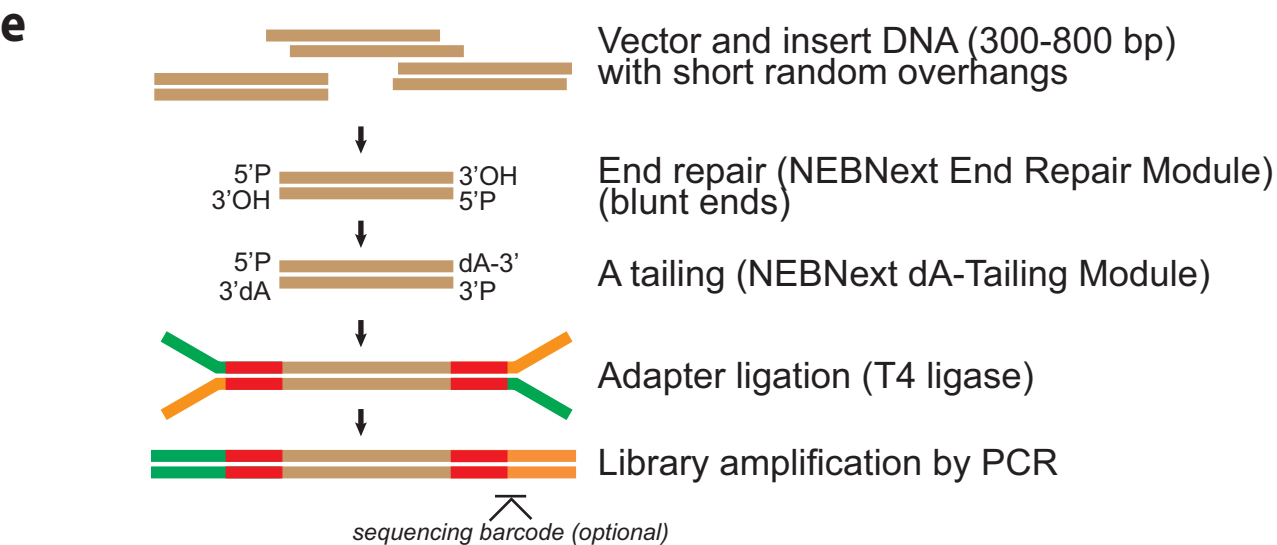
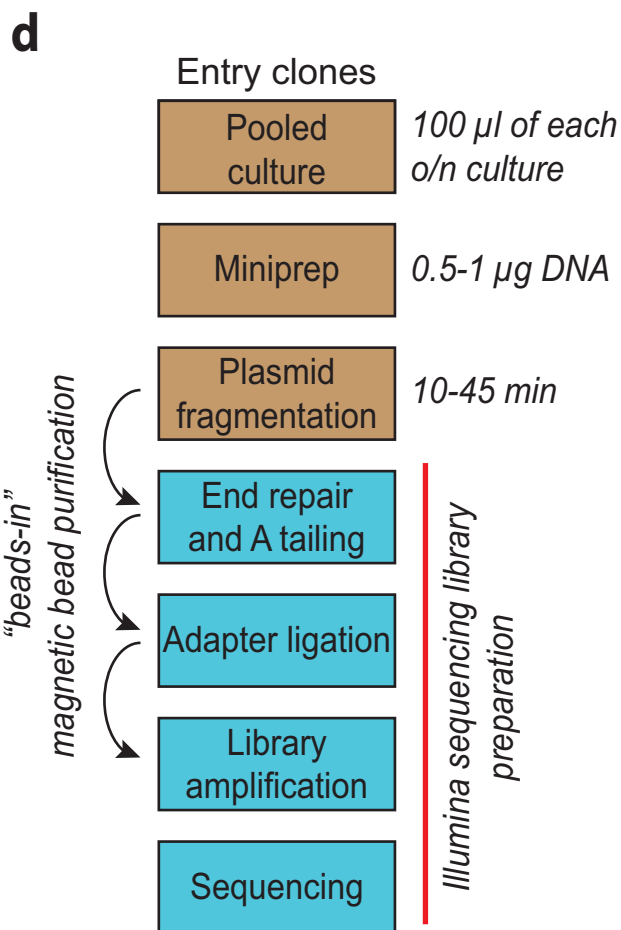
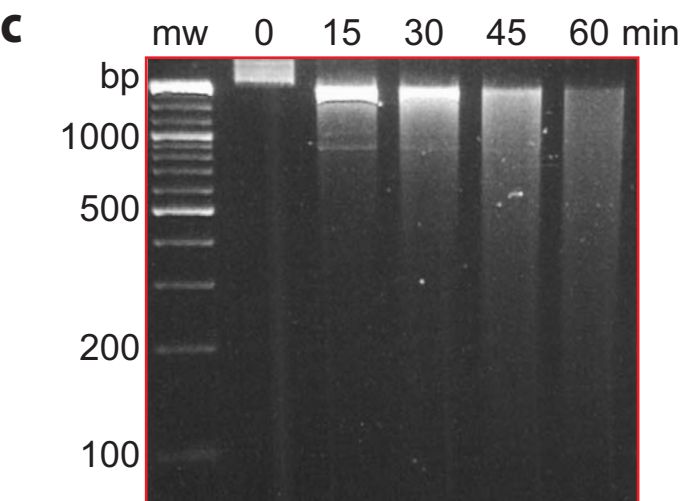
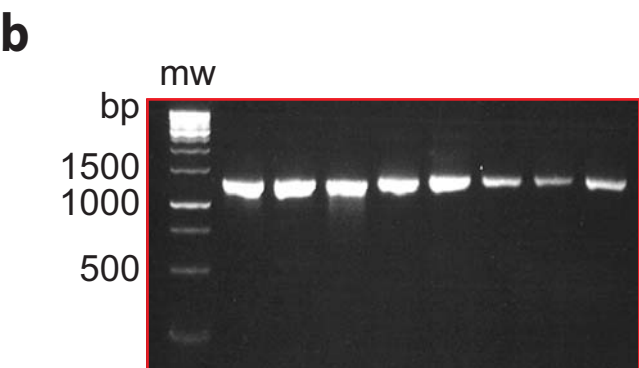
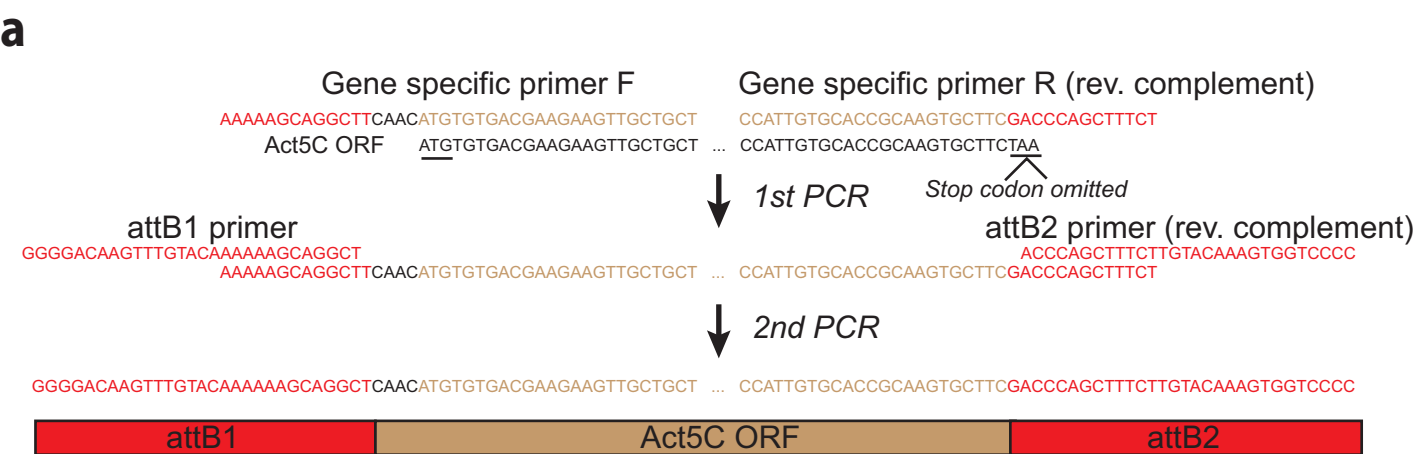


Figure 3

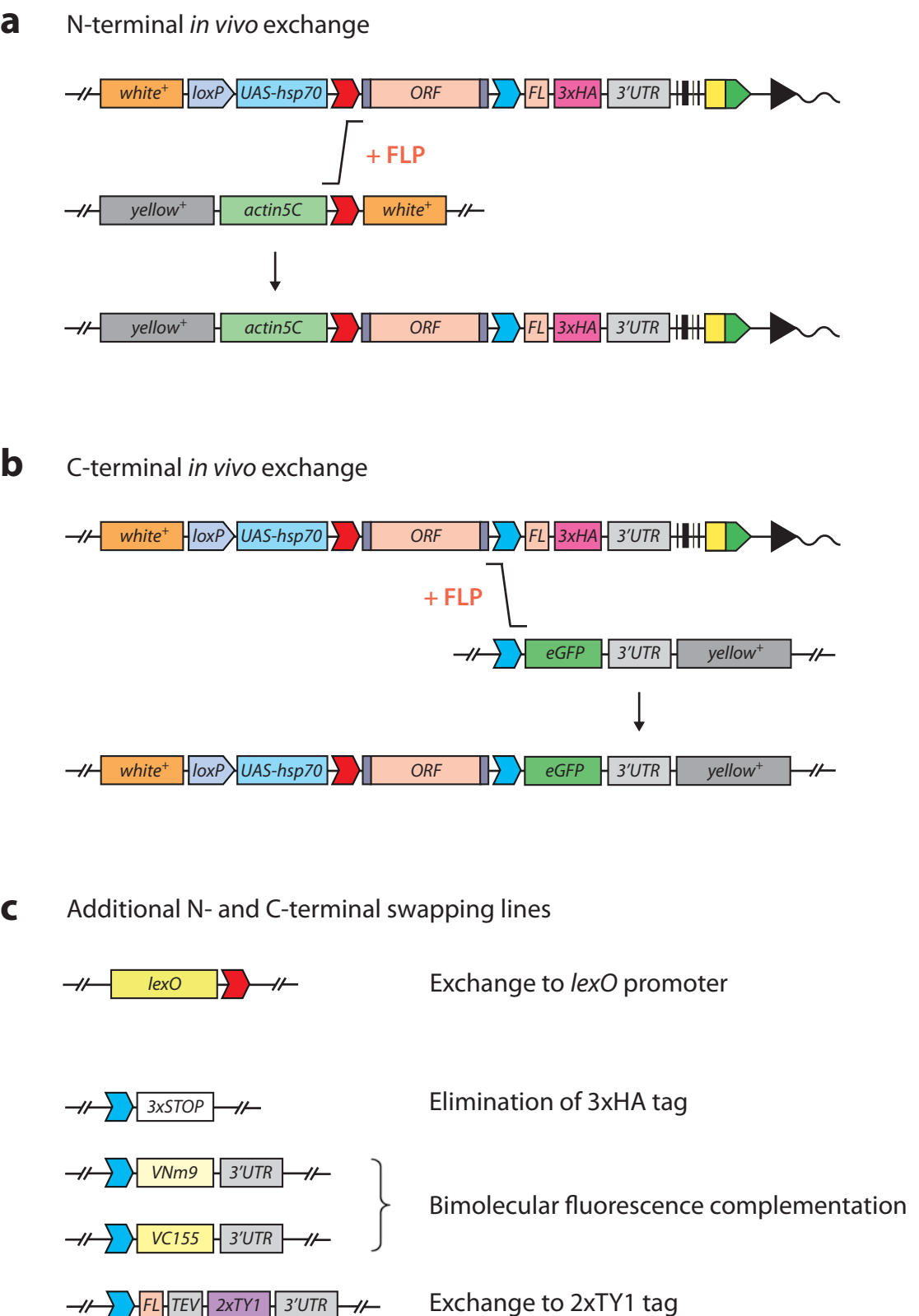


Figure 4

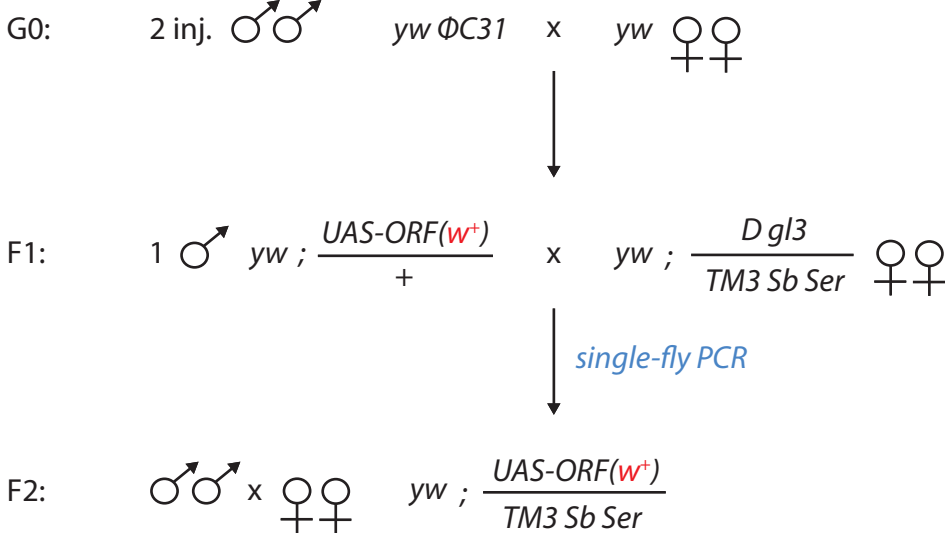


Figure 5