

Materials List for

# Ubiquitous and Tissue-specific RNA Targeting in *Drosophila Melanogaster* using CRISPR/CasRx

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## URL

jove.com/video/62154

## Materials

Name	Company	Catalog Number	Comments
100% Grape Juice	Welch Foods Inc.	N/A	
Active Dry Yeast (908g)	Red Star Yeast Company, LLC	N/A	
DMC4500 color camera	Leica Microsystems	DMC4500	
Dual-Luciferase Reporter Assay System	Promega	E1910	
GAL4-GMR flies	Bloomington Drosophila Stock Center	29967	
GAL4-y flies	Bloomington Drosophila Stock Center	44373	
Glomax 20/20 Luminometer	Promega	E5331	
Illumina HiSeq2500 Sequencer	Illumina, Inc.	HiSeq2500	
M165FC fluorescent stereomicroscope	Leica Microsystems	M165FC	
Nanodrop One <sup>C</sup> UV-vis spectrophotometer	ThermoFisher	NDONEC-W	
NEBNext Ultra II RNA Library Prep Kit	New England Biolabs, Inc.	E7770	
plasmid # 112686	Addgene	112686	
plasmid # 112688	Addgene	112688	
plasmid # 132416	Addgene	132416	
plasmid # 132417	Addgene	132417	
plasmid # 132419	Addgene	132419	
plasmid # 132420	Addgene	132420	
plasmid # 132421	Addgene	132421	
plasmid # 132422	Addgene	132422	
plasmid # 132425	Addgene	132425	
plasmid # 132426	Addgene	132426	
plasmid # 133304	Addgene	133304	
plasmid # 164586	Addgene	164586	

plasmid #132418	Addgene	132418	
plasmid pJFRC81	Addgene	36432	
Qiagen RNeasy Mini Kit	Qiagen	74104	
Restriction endonucleases Ascl	New England Biolabs Inc.	R0558L	
Restriction endonucleases NotI	New England Biolabs Inc.	R0189L	
Restriction endonucleases PacI	New England Biolabs Inc.	R0547L	
Restriction endonucleases PstI	New England Biolabs Inc.	R0140L	
Restriction endonucleases SwaI	New England Biolabs Inc.	R0604L	
Restriction endonucleases XbaI	New England Biolabs Inc.	R0145L	
RNA 6000 Pico Kit for Bioanalyzer	Agilent Technologies	5067-1513	
Turbo DNase	Invitrogen	AM2238	
U6-3:4-gRNA-Fluc flies	Bloomington Drosophila Stock Center	84125	
U6-3:4-gRNA-GFP; OplE2-GFP flies	Bloomington Drosophila Stock Center	84986	
U6-3:4-gRNA-N flies	Bloomington Drosophila Stock Center	84122	
U6-3:4-gRNA-w flies	Bloomington Drosophila Stock Center	84124	
U6-3:4-gRNA-y flies	Bloomington Drosophila Stock Center	84123	
UAS <sup>+</sup> -CasRx flies	Bloomington Drosophila Stock Center	84121	
UAS <sup>-</sup> -dCasRx flies	Bloomington Drosophila Stock Center	84120	
Ubiq-CasRx flies	Bloomington Drosophila Stock Center	84118	
Ubiq-dCasRx flies	Bloomington Drosophila Stock Center	84119	
Ubiq-Firefly-T2A-eGFP-Ubiq-Renilla flies	Bloomington Drosophila Stock Center	84127	
Zymoclean Gel DNA Recovery Kits	Zymo Research Corporation	D4007	