

Materials List for

# Indel Detection following CRISPR/Cas9 Mutagenesis using High-resolution Melt Analysis in the Mosquito *Aedes aegypti*

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## Citation

Kojin, B.B., Tsujimoto, H., Jakes, E., O'Leary, S., Adelman, Z.N. Indel Detection following CRISPR/Cas9 Mutagenesis using High-resolution Melt Analysis in the Mosquito *Aedes aegypti*. *J. Vis. Exp.* (175), e63008, doi:10.3791/63008 (2021).

## Date Published

September 10, 2021

## DOI

10.3791/63008

## URL

jove.com/video/63008

## Materials

Name	Company	Catalog Number	Comments
70% Ethanol			70% ethanol solution in water
96-well PCR and Real-time PCR plates	VWR	82006-636	For obtaining genomic DNA (from the mosquito leg)
96-well plate templates			House-made printed, for genotype recording
Bio Rad CFX96	Bio Rad		PCR machine with gradient and HRMA capabilities
Diversified Biotech reagent reservoirs	VWR	490006-896	
Exo-CIP Rapid PCR Cleanup Kit	New England Biolabs	E1050S	
Glass Petri Dish	VWR	89001-246	150 mm x 20 mm
Hard-shell thin-wall 96-well skirted PCR plates	Bio-rad	HSP9665	For HRMA
Multi-channel pipettor (P10)	Integra Biosciences	4721	
Multi-channel pipettor (P300)	Integra Biosciences	4723	
Nunc Polyolefin Acrylate Sealing tape, Thermo Scientific	VWR	37000-548	To use with the 96-well PCR plates for obtaining genomic DNA
Optical sealing tape	Bio-rad	2239444	To use with the 96-well skirted PCR plates for HRMA
Phire Animal tissue direct PCR Kit (without sampling tools)	Thermo Fisher	F140WH	For obtaining genomic DNA and performing PCR
Plastic Fly Vial Dividers	Genesee	59-128W	
Precision Melt Analysis Software	Bio Rad	1845025	Used for genotyping the mosquito DNA samples and analyzing the thermal denaturation properties of double-stranded DNA (see protocol step 3.3)
SeqMan Pro	DNAstar Lasergene software		For multiple sequence alignment
Single-channel pipettor	Gilson		
Tweezers Dumont #5 11 cm	WPI	14098	

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White foam plugs	VWR	60882-189	
Wide Drosophila Vials, Polystyrene	Genesee	32-117	
Wide Fly Vial Tray, Blue	Genesee	59-164B	