

Materials List for:

Bidirectional Retroviral Integration Site PCR Methodology and Quantitative Data Analysis Workflow

Gajendra W. Suryawanshi^{1,2}, Song Xu³, Yiming Xie¹, Tom Chou³, Namshin Kim⁴, Irvin S. Y. Chen^{1,5}, Sanggu Kim⁶

¹UCLA AIDS Institute, University of California at Los Angeles (UCLA)

²Department of Microbiology, Immunology, & Molecular Genetics, University of California at Los Angeles (UCLA)

³Departments of Biomathematics and Mathematics, University of California at Los Angeles (UCLA)

⁴Personalized Genomic Medicine Research Center, Division of Strategic Research Groups, Korea Research Institute of Bioscience and Biotechnology

⁵Department of Medicine, University of California at Los Angeles (UCLA)

⁶Department of Veterinary Biosciences, College of Veterinary Medicine, The Ohio State University (OSU)

*These authors contributed equally

Correspondence to: Irvin S. Y. Chen at syuchen@mednet.ucla.edu, Sanggu Kim at kim.6477@osu.edu

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Materials

Name	Company	Catalog Number	Comments
Thermostable DNA polymerase	Agilent	600424	PicoMaxx Polymerase
Thermostable DNA polymerase buffer	Agilent	600424	PicoMaxx Polymerase buffer
Deoxynucleotide (dNTP) solution mix	New England Biolabs	N0447L	dNTP solution mix (10 mM each)
PCR tubes	VWR International	53509-304	PCR Strip Tubes With Individual Attached Caps
2 mL microcentrifuge tube	Molecular Bioproducts	3453	microcentrifuge tubes
PCR purification kit	Qiagen	28106	
RsaI	New England Biolabs	R0167L	restriction enzyme
CviQI	New England Biolabs	R0639L	restriction enzyme
Buffer A	New England Biolabs	B7204S	NEB CutSmart buffer
DNA Polymerase I large (klenow) fragment	New England Biolabs	M0210L	Blunting
streptavidin beads solution	Invitrogen	60101	Dynabeads kilobaseBINDER kit
Binding Solution	Invitrogen	60101	Dynabeads kilobaseBINDER kit
Washing Solution	Invitrogen	60101	Dynabeads kilobaseBINDER kit
magnetic stand	ThermoFisher	12321D	DynaMag™-2 Magnet
T4 DNA ligase	New England Biolabs	M0202L	T4 DNA ligase
10X T4 DNA ligase buffer	New England Biolabs	B0202S	T4 DNA ligase reaction buffer
5X T4 DNA ligase buffer	Invitrogen	46300-018	T4 DNA ligase buffer with polyethylene glycol-8000
UV-Vis spectrophotometer	Fisher Scientific	S06497	Nanodrop 2000
pvull	new England Biolabs	R0151L	restriction enzyme
sfol	new England Biolabs	R0606L	restriction enzyme
Buffer B	new England Biolabs	B7203S	NEB buffer 3.1
Nuclease free water	Integrated DNA Technologies	11-05-01-14	
Capillary electrophoresis	Qiagen	9001941	QIAxcel capillary electrophoresis
Veriti 96-well Fast Thermal Cycler	Thermo Fisher Scientific	4375305	PCR Instrument
Rotating wheel (or Roller)	Eppendorf	M10534004	Cell Culture Roller Drums

DNA size marker	Qiagen	929559	QX size marker (100 - 2,500 bp)
DNA size marker	Qiagen	929554	QX size marker (50 - 1,500 bp)
DNA alignment markers	Qiagen	929524	QX DNA Alignment Marker
genomc DNA	Not Available	Not Available	Sample genomc DNA from in vivo or in vitro experiments