

In-Nucleus Hi-C in Drosophila Cells

 Ayerim Esquivel-López¹, Rodrigo Arzate-Mejía¹, Rosario Pérez-Molina¹, Mayra Furlan-Magaril¹
¹Departamento de Genética Molecular, Instituto de Fisiología Celular, Universidad Nacional Autónoma de México

Corresponding Author

 Mayra Furlan-Magaril
 mfurlan@ifc.unam.mx

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Materials

Name	Company	Catalog Number	Comments
16% (vol/vol) paraformaldehyde solution	Agar Scientific	R1026	
Biotin-14-dATP	Invitrogen	CA1524-016	
Clal enzyme	NEB	R0197S	
COVARIS Ultrasonicator	Covaris	LE220-M220	
Cut Smart	NEB	B72002S	
Dulbecco's Modified Eagle Medium (DMEM) 1x	Life Technologies	41965-039	
Dynabeads MyOne Streptavidin C1	Invitrogen	65002	
Fetal bovine serum (FBS) sterile filtered	Sigma	F9665	
Klenow Dna Poll large fragment	NEB	M0210L	
Klenow exo(-)	NEB	M0210S	
Ligation Buffer	NEB	B020S	
Mbol enzyme	NEB	R0147M	
NP40-Igepal	SIGMA	CA-420	Non-ionic surfactant for addition in lysis buffer
PE adapter 1.0	Illumina	5'-P-GATCGGAAGAGCGGTTCAGCAGGAATGCCGAG-3'	
PE adapter 2.0	Illumina	5'-ACACTCTTTCCCTACACGACGCTCTTCCGATCT-3'	
PE PCR primer 1.0	Illumina	5'-AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCT-3'	
PE PCR primer 2.0	Illumina	5'-CAAGCAGAAGACGGGCATACGAGATCGGTCTCGGCATTCTGCTGAACCGCTCTTCCGATCT-3'	
Phenol: Chloroform:Isoamyl Alcohol 25:24:1	SIGMA	P2069	
Primer 1 (known interaction, Figure 2A)	Sigma	5'-TCGCGGTAATTTTGC GTTTGA-3'	

Primer 2 (known interactions, Figure 2A)	Sigma	5'-CCTCCCTGCCAAAACGTTTT-3'	
Protease inhibitor cocktail tablet	Roche	4693132001	
Proteinase K	Roche	3115879001	
Qubit	ThermoFisher	Q33327	
RNAse	Roche	10109142001	
SPRI Beads	Beckman	B23318	
T4 DNA ligase	Invitrogen	15224-025	
T4 DNA polymerase	NEB	M0203S	
T4 polynucleotide kinase (PNK)	NEB	M0201L	
TaqPhusion	NEB	M0530S	DNA polymerase
Triton X-100			Non-ionic surfactant for quenching of SDS