

Nano-CUT&Tag for multimodal chromatin profiling at single-cell resolution

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SUPPLEMENTARY INFORMATION

Supplementary Table 1. Nano-CT oligonucleotides sequences and purification method			
Name	Sequence (5' to 3')	Purified	Procedure step
ME-A_bcdA	TCGTCGGCAGCGTCTCCACGC TATAGCCT GCGATCGA GGACGGCAGATGTGTATAAGAGACAG	HPLC	Tn5-adapter complex formation, Step 28
ME-A_bcdB	TCGTCGGCAGCGTCTCCACGC ATAGAGGC GCGATCGA GGACGGCAGATGTGTATAAGAGACAG	HPLC	Tn5-adapter complex formation, Step 28
ME-A_bcdC	TCGTCGGCAGCGTCTCCACGC CCTATCCT GCGATCGA GGACGGCAGATGTGTATAAGAGACAG	HPLC	Tn5-adapter complex formation, Step 28
ME-B	GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG	HPLC	Tn5-adapter complex formation, Step 28
ME_rev	5' - [phos] CTGTCTCTTATACACATCT	HPLC	Tn5-adapter complex formation, Step 28
Seq_primer_R1	GCGATCGAGGACGGCAGATGTGTATAAGAGACAG	HPLC	Library pooling and DNA Sequencing, Step 124
Seq_primer_I2	CTGTCTCTTATACACATCTGCCGTCCTCGATCGC	HPLC	Library pooling and DNA Sequencing, Step 124
qPCR_Tn5_forward (optional)	AACCTATGCCCACCTGTTTCG	Standard desalting	Supplementary method 1. Determination of Tn5 (ME-B) activity by qPCR. Step i
qPCR_Tn5_reverse (optional)	ACTCGCTGATCTGCTCGATG	Standard desalting	Supplementary method 1. Determination of Tn5 (ME-B) activity by qPCR. Step i
LA_noBCD	AATGATACGGCGACCACCGAGATCTACACTCGTCGGC AGCGTC	Standard desalting	Supplementary method 2. Unimodal nano-CT in bulk, for assessing batch variation of Tn5 activity Step v and xii
PCR_Rev_primer	CAAGCAGAAGACGGCATACGAGAT [8-bp sample index] GTCTCGTGGGCTCGG	Standard desalting	Supplementary method 2. Unimodal nano-CT in bulk, for assessing batch variation of Tn5 activity Step xii