For all you seq...

RNA

RNA Transcription

CaptureSeq
RASL-seq
ClickSeq
3Seq
3-Seq
3'-end-seq
PAS-Seq
SS3-Seq
3'T-fill
cP-RNA-Seq
3P-Seq
2P-seq
3'-Seq
TIF-Seq
PEAT
SMORE-Seq
TL-seq
TATL-seq
RARseq
TAIL-seq
PAL-seq
FRT-Seq
ChIRP
CHART
RAP
GRO-seq
BRIC-Seq
Bru-Seq
BruChase-Seq
5'-GRO-seq
BruDRB-seq
4sUDRB-seq
PRO-seq
PRO-cap
CAGE
DeepCAGE
3'NT method
NET-Seq
mNET-seq
PARE-Seq
GMUCT 1.0
GMUCT 2.0

Key

Yellow highlights indicate the target of the protocol

3'-azido-2',3'-dideoxynucleotide triphosphate (AzNTP)

1,6-Hexanediol

Br-UTP

5,6-dichlorobenzimidazole 1-b-D-ribofuranoside (DRB)

5'-Bromo-uridine (BrdU)

EDTA

3' Terminal structure of RNA

Display methods on mobile device

Copper-catalysed cycloaddition of 3'-azido blocked cDNA to 5'-hexynyl DNA adaptor

Biotin

Psoralen

Photoactivatable Nucleosides

4-thiouridine (4SU)

5-iodouridine (SIU)

4-bromo uridine (5BrU)

6-Thioguanosine (6SG)

RNA-Protein Interactions

Ribo-Seq
GTI-Seq
ARTseq™
RIP-Seq
CLIP
HITS-CLIP
Pol II CLIP
MiR-CLIP
eCLIP
irCLIP
PAR-CLIP
iCLIP
BrdU-CLIP
AGO-CLIP
PIP-Seq
hiCLIP
RBNS
TRIBE
HiTS-RAP
TRAP-Seq
DLAF
miTRAP
CLASH

RNA Low-Level Detection

scRNA-seq
SUPeR-seq
UMI Method
Digital RNA
HiRes-Seq
FREQ-Seq
RNAtag-Seq
MARS-Seq
Quartz-Seq
DP-Seq
Smart-seq
NanoCAGE
CAGEscan
Smart-seq2
snRNA-seq
FRISCR
CEL-Seq
STRT
TCR Chain Pairing
TCR-LA-MC PCR

Uridine
Pseudouridine (Ψ)
p-benzoylphenylalanine (Bpa)
1-cyclohexyl-(2-morpholino-ethyl)carbodiimide-metho-p-toluene sulfonate (CMCT)
Display methods on mobile device
Ψ-CMC adduct
Inosine
Acrylonitrile
N1-cyanoethyl inosine
N⁶-Methyladenosine (m6A)
1-methyl-7-nitroisatoic anhydride (1M7)
Acylation
DIBO-biotin "click"
Preparation of acylated RNA for biotin–streptavidin purification. DIBO, dibenzocyclooctyne
Dimethyl sulfate (DMS)
5-ethynyl-2'-deoxyuridine (EdU)
Locked nucleic acid (LNA)

CirSeq
TIVA
PAIR
CLaP
CytoSeq
Drop-Seq
Hi-SCL
DR-Seq
inDrop
Nuc-Seq
Div-Seq
SCRB-Seq
scM&T-seq
G&T-seq
scTrio-seq
CapSeq
CIP-TAP

RNA Modifications

MeRIP-Seq
m6A-seq
m6A-RIP
miCLIP-m6A
Ψ-seq
PSI-seq
Pseudo-seq
ICE

RNA Structure

SHAPE-Seq
icSHAPE
CIRS-seq
SHAPE-MaP
Struc-ture-Seq
DMS-Seq
SPARE
PARS
dsRNA-Seq
PARTE
Frag-seq

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BruChase-Seq Paulsen M. T. et al. (2013) Proc Natl Acad Sci U S A 110: 2240-2245
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CAGEscan Plessy C. et al. (2010) Nat Methods 7: 528-534
CapSeq Gu W. et al. (2012) Cell 151: 1488-1500
CaptureSeq Mercer T. R. et al. (2014) Nat Protoc 9: 989-1009
CEL-Seq Hashimshony T. et al. (2012) Cell Rep 2: 666-673
ChIRP Simon M. D. et al. (2011) Proc Natl Acad Sci U S A 108: 20497-20502
CHART Chu C. et al. (2011) Mol Cell 44: 667-678
CIP-TAP Gu W. et al. (2012) Cell 151: 1488-1500
CirSeq Acevedo A. et al. (2014) Nature 505: 686-690
CIRS-seq Incarnato D. et al. (2014) Genome Biol 15: 491
CLaP Binan L. et al. (2016) Nat Commun 7:11636
CLASH Kudla G. et al. (2011) Proc Natl Acad Sci U S A 108: 10010-10015
ClickSeq Routh A. et al. (2015) J Mol Biol 427: 2610-2616
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Div-Seq Habib N. et al. (2016) bioRxiv
DLAF Agarwal S. et al. (2015) Nat Commun 6: 6002
DMS-Seq Rouskin S. et al. (2014) Nature 505: 701-705
DP-Seq Bhargava V. et al. (2013) Sci Rep 3: 1740
Drop-Seq Macosko E. Z. et al. (2015) Cell 161: 1202-1214
DR-Seq Dey SS et al. (2015) Nat Biotechnol 33:285-9
dsRNA-Seq Zheng Q. et al. (2010) PLoS Genet 6: e1001141
eCLIP Van Nostrand EL et al. (2016) Nat Methods advance online publication
Frag-seq Underwood J. G. et al. (2010) Nat Methods 7: 995-1001
FREQ-Seq Chubiz L. M. et al. (2012) PLoS One 7: e47959
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GMUCT 2.0 Willmann M. R. et al. (2014) Methods 67: 64-73
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hi-CLIP Sugimoto Y. et al. (2015) Nature 519: 491-494
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Hi-SCL Rotem A. et al. (2015) PLoS One 10: e0116328
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HITS-RAP Tome J. M. et al. (2014) Nat Methods 11: 683-688
ICE Sakurai M. et al. (2010) Nat Chem Biol 6: 733-740
iCLIP Konig J. et al. (2010) Nat Struct Mol Biol 17: 909-915
icSHAPE Spitale R. C. et al. (2015) Nature 519: 486-490
inDrop Klein AM et al. (2015) Cell 161:1187-201
irCLIP Zarnegar BJ et al. (2016) Nat Meth advance online publication
Batista P. J. et al. (2014) Cell Stem Cell 15: 707-719
M6A-RIP
m6A-seq Dominissini D. et al. (2012) Nature 485: 201-206
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miCLIP-m6A Linder B. et al. (2015) Nat Methods 12: 767-772
MiR-CLIP Imig J et al. (2015) Nat Chem Biol 11:107-14
miTRAP Braun J. et al. (2014) Nucleic Acids Res 42: e66
mNET-seq Nojima T. et al. (2015) Cell 161: 526-540
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PAIR Bell TJ et al. (2015) Methods Mol Biol 1324:457-68
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RBNS Lambert N. et al. (2014) Mol Cell 54: 887-900
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SPARE Schapire A. L. et al. (2013) Methods 64: 283-291
SS3-Seq Yoon O. K. et al. (2010) RNA 16: 1256-1267
STRT Islam S. et al. (2011) Genome Res 21: 1160-1167
Structure-Seq Ding Y. et al. (2014) Nature 505: 696-700. See also DMS-Seq
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TL-seq Arribere J. A. et al. (2013) Genome Res 23: 977-987
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UMI Method Kivioja T. et al. (2012) Nat Methods 9: 72-74
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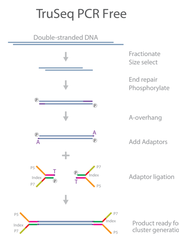
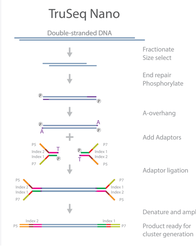
TruSeq PCR Free



TruSeq Nano



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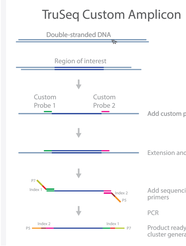
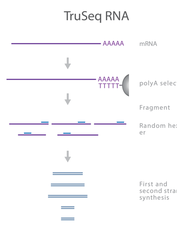
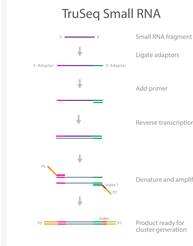


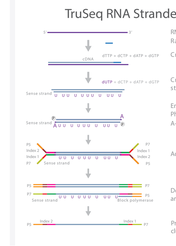
TruSeq RNA



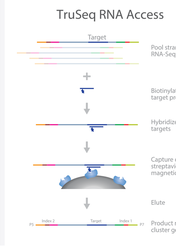
TruSeq Small RNA



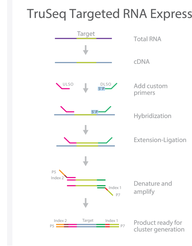
TruSeq RNA Stranded



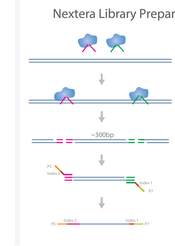
TruSeq RNA Access



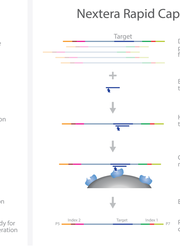
TruSeq Targeted RNA Expression



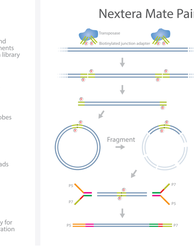
Nextera Library Preparation



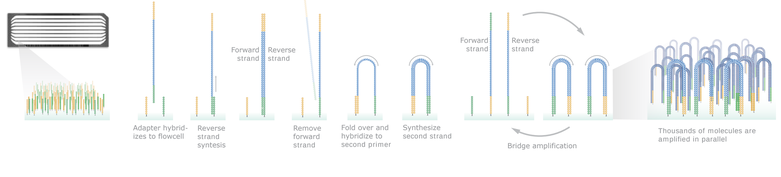
Nextera Rapid Capture



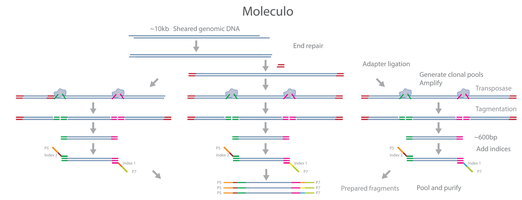
Nextera Mate Pair



Sequencing by Synthesis



Moleculo



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