



# For all you seq...

# RNA

**RNA Transcription**

- CaptureSeq:** RNA capture, RT, PCR, sequencing.
- RAS1-seq:** RNA immunoprecipitation, RT, sequencing.
- ClickSeq:** RNA labeling, RT, sequencing.
- 3Seq:** RNA labeling, RT, sequencing.
- 3'-end-seq:** RNA labeling, RT, sequencing.
- PAS-seq:** RNA labeling, RT, sequencing.
- SS3-seq:** RNA labeling, RT, sequencing.
- 3T-EU:** RNA labeling, RT, sequencing.
- CP-RNA-seq:** RNA labeling, RT, sequencing.
- 3P-Seq:** RNA labeling, RT, sequencing.
- 2P-Seq:** RNA labeling, RT, sequencing.
- 3-Seq:** RNA labeling, RT, sequencing.
- TIF-Seq:** RNA labeling, RT, sequencing.
- PEAT:** RNA labeling, RT, sequencing.
- SMORE-Seq:** RNA labeling, RT, sequencing.
- TL-seq:** RNA labeling, RT, sequencing.
- TATL-seq:** RNA labeling, RT, sequencing.
- RAR-seq:** RNA labeling, RT, sequencing.
- TAIL-seq:** RNA labeling, RT, sequencing.
- PAL-seq:** RNA labeling, RT, sequencing.
- FRT-Seq:** RNA labeling, RT, sequencing.
- ChIRP:** RNA labeling, RT, sequencing.
- CHART:** RNA labeling, RT, sequencing.
- RAP:** RNA labeling, RT, sequencing.
- GRO-seq:** RNA labeling, RT, sequencing.
- BRIC-Seq:** RNA labeling, RT, sequencing.
- Bru-Seq:** RNA labeling, RT, sequencing.
- BruChase-Seq:** RNA labeling, RT, sequencing.
- 5'-GRO-seq:** RNA labeling, RT, sequencing.
- BruDRB-seq:** RNA labeling, RT, sequencing.
- 4SUDRB-seq:** RNA labeling, RT, sequencing.
- PRO-seq:** RNA labeling, RT, sequencing.
- PRO-cap:** RNA labeling, RT, sequencing.
- CAGE:** RNA labeling, RT, sequencing.
- DeepCAGE:** RNA labeling, RT, sequencing.
- 3'NT method:** RNA labeling, RT, sequencing.
- NET-Seq:** RNA labeling, RT, sequencing.
- mNET-seq:** RNA labeling, RT, sequencing.
- PARE-Seq:** RNA labeling, RT, sequencing.
- GMUCT 1.0:** RNA labeling, RT, sequencing.
- GMUCT 2.0:** RNA labeling, RT, sequencing.

**RNA-Protein Interactions**

- Ribo-Seq:** Ribosome profiling, RNA extraction, reverse transcription, cDNA.
- GTI-Seq:** Ribosome immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- ART-seq:** Ribosome immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- RIP-Seq:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- CLIP:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- HITS-CLIP:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- Pol II CLIP:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- MIR-CLIP:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- eCLIP:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- irCLIP:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- PAR-CLIP:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- ICLIP:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- BrdU-CLIP:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- AGO-CLIP:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- PIP-Seq:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- hiCLIP:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- RBNS:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- TRIBE:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- HITS-RAP:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- TRAP-Seq:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- DLAF:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- miTRAP:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.
- CLASH:** RNA immunoprecipitation, RNA extraction, reverse transcription, cDNA.

**RNA Low-Level Detection**

- scRNA-seq:** Single cell RNA sequencing.
- SUPER-seq:** Single cell RNA sequencing.
- UMI Method:** Unique Molecular Identifier.
- Digital RNA Hi-C-seq:** Digital RNA Hi-C sequencing.
- FRE-Seq:** FREeze RNA sequencing.
- RNA-tag-seq:** RNA tagging sequencing.
- MARS-Seq:** Massively Parallel Reporter Sequencing.
- Quartz-Seq:** Quartz sequencing.
- DP-Seq:** Digital PCR sequencing.
- Smart-seq:** Single molecule RNA sequencing.
- Smart-seq2:** Single molecule RNA sequencing.
- snRNA-seq:** Single nucleus RNA sequencing.
- FRISCR:** Fluorescence-activated cell sorting RNA sequencing.
- CEL-Seq:** Cell-based RNA sequencing.
- STRT:** Single transcript RNA sequencing.
- TCR Chain Paring:** TCR chain pairing.
- TCR-LA-MC PCR:** TCR-LA-MC PCR.

**RNA Modifications**

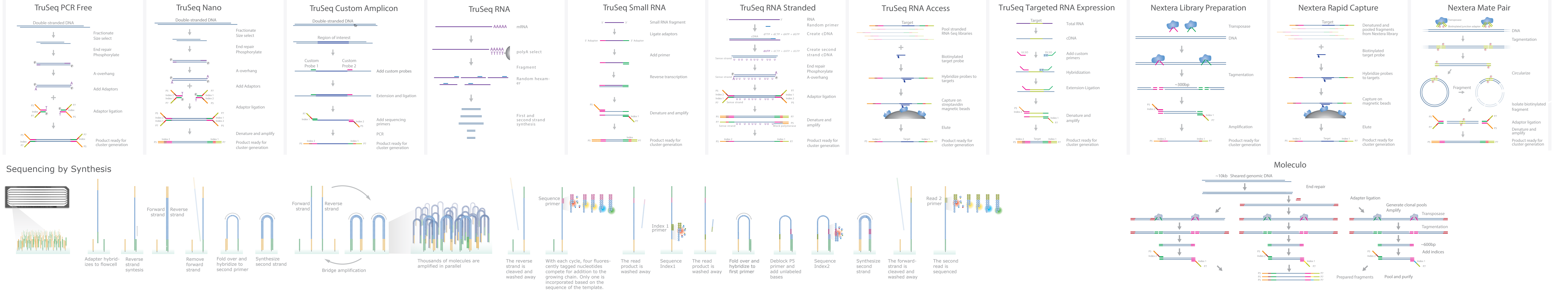
- MeIP-Seq:** Methylated RNA IP sequencing.
- mRNA-Seq:** mRNA sequencing.
- m6A-IP:** m6A immunoprecipitation.
- m6A-IP-MS:** m6A-IP mass spectrometry.
- miCLIP-m6A:** miCLIP-m6A.
- ψ-seq:** Pseudouridine sequencing.
- PSI-seq:** Pre-mRNA splicing index sequencing.
- Pseudo-seq:** Pseudo-seq.
- ICE:** ICE.

**RNA Structure**

- SHAPE-Seq:** SHAPE-Seq.
- iSHAPE:** iSHAPE.
- CIRS-seq:** Chemical RNA structure sequencing.
- SHAPE-Map:** SHAPE-Map.
- Struc-Seq:** Structural RNA sequencing.
- DMS-Seq:** Dimethyl sulfate sequencing.
- SPARE:** SPARE.
- PARS:** PARS.
- dsRNA-Seq:** dsRNA-Seq.
- PARTE:** PARTE.
- Frag-seq:** Fragmentation sequencing.
- CapSeq:** Cap sequencing.
- CIP-TAP:** CIP-TAP.

**References**

Spies T, et al. (2012) Genome Res 22: 2078-2090  
 Petersen S, et al. (2012) Nat Rev Genet 13: 613-621  
 Wang X, et al. (2011) Nat Rev Genet 12: 208-220  
 ... [Additional references omitted for brevity]



FOR RESEARCH ONLY  
 This poster was compiled by the Illumina Scientific Affairs. Additional information, the latest version of the poster, and a comprehensive list of seq methods, are available at [http://www.illumina.com/library/prep\\_methods](http://www.illumina.com/library/prep_methods). Please contact Scientific Affairs with any questions, comments, or suggestions.

© 2015 Illumina, Inc. All rights reserved. Illumina, Inc. • 5200 Illumina Way, San Diego, CA 92122 USA • 1-800-800-4566 toll-free • 1-858-204-2466 • [techsupport@illumina.com](mailto:techsupport@illumina.com) • [illumina.com](http://illumina.com)  
 Illumina, HiSeq, MiSeq, NextSeq, NextSeq Flex, the pumpkin orange color and the Genetic Engineering design are trademarks of Illumina, Inc. All other brands and names contained herein are the property of their respective owners. Pub. No. 473-2016-002 Current as of 27 September 2016

