



Non-coding RNA and Epitranscriptomic Solutions



Get Your Free eBook

Circular RNA Arrays

Accurately profile circular RNAs by highly specific circular junction probe design

LncRNA Arrays

Overcome the limitations of RNA-seq for lncRNAs often at low abundance

Small RNA Arrays

Accurately profile miRNA, pre-miRNA, tRNA, tsRNA, and snoRNA simultaneously

Epitranscriptomic Arrays

Quantify the percentage of m6A modifications at the transcript specific level

m6A Single Nucleotide Arrays

Locate and quantify the exact m6A site at single nucleotide resolution



Functionality,
reimagined.



The New Vortex Mixer

- Mix and vortex in one compact device
- Precisely set speed and duration controls
- Glove compatible touchscreen
- Quickly vortex tubes with just one touch

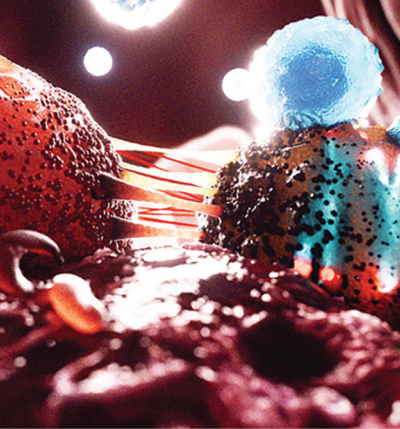


The Vortex Mixer is ideally suited for assay protocols that require gentle mixing, all the way up to resuspensions that require vigorous vortexing. Find out more at usascientific.com/vortex_mixer.



Schedule a
demo!

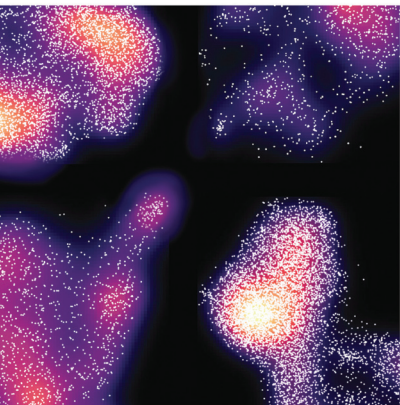
USn
SCIENTIFIC
SIDE BY SCIENCE



AACR American Association
for Cancer Research®

2024 SCIENTIFIC CONFERENCES

Presenting the most significant research on cancer etiology, prevention, diagnosis, and treatment



Bladder Cancer: Transforming the Field May 17-20, 2024 | Charlotte, NC

Conference Cochairs: Lars Dyrskjøjt Andersen,
Donna E. Hansel, Dan Theodorescu, and
Tahlita C. M. Zuiverloon

Expanding and Translating Cancer Synthetic Vulnerabilities June 10-13, 2024 | Montreal, Quebec, Canada

Conference Cochairs: Kimberly Stegmaier,
E. Alejandro Sweet-Cordero, Michael Erb, and
Kris C. Wood

Fourth AACR International Meeting Advances in Malignant Lymphoma: Maximizing the Basic-Translational Interface for Clinical Application In Cooperation with the International Conference on Malignant Lymphoma (ICML) In Association with *Blood Cancer Discovery* June 19 - 22, 2024 | Philadelphia, PA

Conference Chair: Michael R. Green
Conference Cochairs: Francesco Bertoni*,
Christopher R. Flowers, Ari M. Melnick,
Laura Pasqualucci, and Margaret A. Shipp
*International Conference on Malignant Lymphoma (ICML)
Representative

Advances in Pediatric Cancer Research In Collaboration with the AACR Pediatric Cancer Working Group (PCWG) September 5-8, 2024 | Toronto, ON, Canada

Conference Cochairs: Alejandro Gutierrez,
Cynthia E. Hawkins, Andrea A. Hayes, and
Gilles Vassal

Pancreatic Cancer September 15-18, 2024 | Boston, MA

Conference Cochairs: Peter J. Allen, Stephanie K.
Dogan, Michael A. (Tony) Hollingsworth,
and Alec C. Kimmelman

17th AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved In Association with the AACR Minorities in Cancer Research Council

September 21 - 24, 2024 | Los Angeles, CA
Conference Cochairs: Moon S. Chen, Melissa
B. Davis, Carmen E. Guerra, Ruben A. Mesa,
Jasmine Plummer and Susan M. Shinagawa

Tumor Immunology and Immunotherapy In Association with the AACR Cancer Immunology Working Group (CIMM) October 18-21, 2024 | Boston, MA

Conference Cochairs: Yvonne Y. Chen, Sergio
Quezada, Robert D. Schreiber, and Fernando
Vidal-Vanaclocha

EORTC-NCI-AACR Symposium on Molecular Targets and Cancer Therapeutics October 23-25, 2024 | Barcelona, Spain

Conference Cochairs: E.G. Elisabeth de Vries,
Tim F. Greten, and Timothy A. Yap

Liquid Biopsy: From Discovery to Clinical Implementation November 13-16, 2024 | San Diego, CA

Conference Cochairs: Catherine Alix-Panabières,
Luis A. Diaz, Jr., Maximilian Diehn, Y.M. Dennis Lo,
and Klaus Pantel

RNAs as Drivers, Targets, and Therapeutics in Cancer November 14-17, 2024 | Bellevue, WA

Conference Cochairs: Howard Y. Chang, Joshua T.
Mendell, Anastasia Khvorova, and V. Narry Kim

Learn more and register at
AACR.org/Calendar

Follow us @AACR



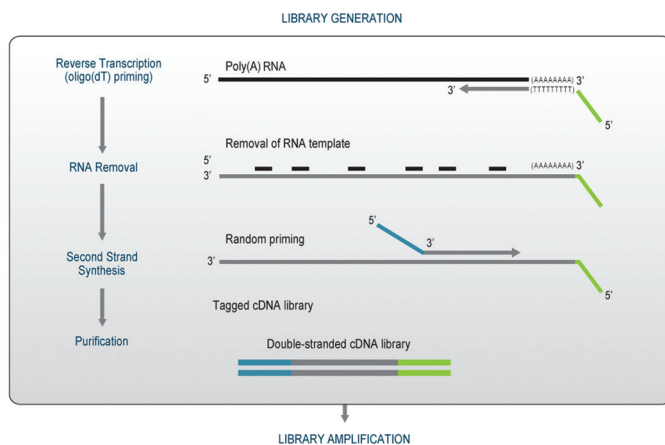
Unlock Alternative Polyadenylation with Ease!

QuantSeq REV V2



Accelerate your Discoveries with Lexogen Solutions for APA Studies!

Alternative polyadenylation (APA) is a fundamental mechanism that regulates eukaryotic gene expression through the generation of distinct mRNA isoforms. Alternative poly(A) site usage is of utmost importance for diverse biological processes, e.g., development and disease. QuantSeq REV V2 allows you to investigate APA, and to deepen understanding of cellular regulation and can even open new paths for exploring therapeutic interventions.



QuantSeq REV allows to precisely pinpoint the 3' end of poly(A) RNA following a fast and streamlined 5-step workflow: 1) oligo(dT) priming and reverse transcription to generate cDNA directly downstream of the poly(A) site, 2) RNA removal and second strand synthesis, 3) purification, 4) library amplification and indexing, and 5) final purification (Fig. 1).

Gene expression, alternative polyadenylation events, and accurate information about a transcripts' 3' UTR can be detected globally using QuantSeq REV (Fig. 2).

Figure 1 | QuantSeq REV V2 workflow: generate ready-to-sequence libraries in only 4.5 hours.

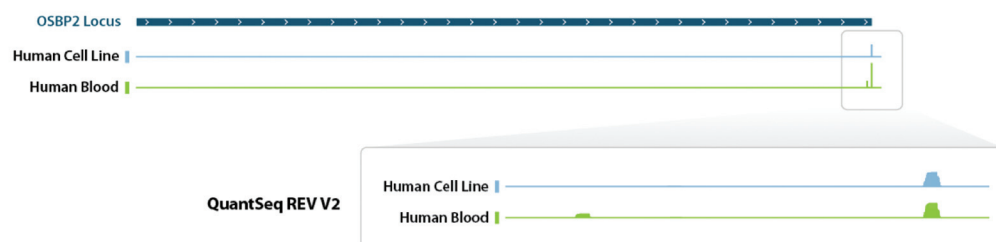


Figure 2 | Alternative polyadenylation of OSBP2 in human blood detected with QuantSeq REV V2 (with Hs Globin Block for blood sample preparation). Alternative polyadenylation site detection revealed two distinct transcript end sites for OSBP2 (human Oxysterol Binding Protein 2).

Interested to learn more?

Scan the QR-code or visit our [webpage](#) for more information.

