Introducing *mmOligo*

Direct RNA Sequencing by Mass Spectrometry

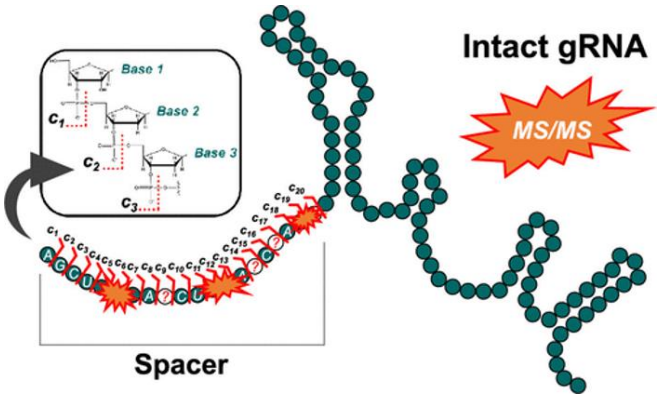
mmOligo seeks to improve reliability and speed up the development of lifesaving and life-enhancing oligonucleotide-based therapeutics.

Direct sequencing via mass spectrometry has become essential for the development and QA/QC for manufacturing of highly modified and highly complex oligonucleotide-based therapeutics.

Our team of scientists and software developers is delivering semi-automated direct sequencing solutions for the analysis of oligonucleotides by mass spectrometry.

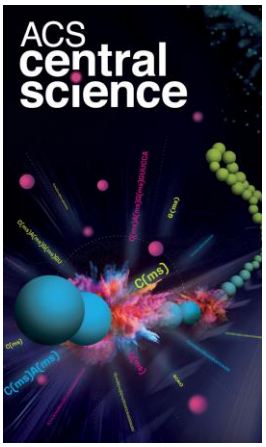
Key Advantages of mmOligo

- Best in class sequencing of oligonucleotides[1].
- Expanded capabilities for sequencing hybrid and conjugated oligonucleotides[2].
- Interoperable data standard.



MassMatrix, Inc. is a Data Analytics and Bioinformatics Software company that specializes in developing custom solutions to complex biodata analysis problems.

Join our technical advising team to develop the best platform for Sequencing and Characterization of RNA Therapeutics.



The Science Behind MassMatrix

1. **Spacer Fidelity Assessments of Guide RNA by Top-Down Mass Spectrometry.** Luis A. Macias, Sara P. Garcia, Kayla M. Back, Yue Wu, G. Hall Johnson, Sekar Kathiresan, Andrew M. Bellinger, Ellen Rohde, Michael A. Freitas, and James A. Madsen* ACS Cent. Sci. 2023, XXXX, Publication Date: July 11, 2023. https://doi.org/10.1021/acscentsci.3c00289

2. **NIH SBIR 1R44GM152984: Accelerating Gene Therapy and Editing with Advanced MS-Based Data Analysis for Nonstandard and Hybrid Nucleotide Sequences**
Product development is accelerated by peer reviewed science and supported by an NIH SBIR grant to advance critical research to expand the capabilities of mmOligo. Through novel data analysis workflows we are improving the accuracy and reliability of oligonucleotide sequencing and alleviating the bottleneck in data analysis.

Learn more about how we can help with your data and analysis workflow:

Contact us at www.massmatrix.bio

Email to sales@massmatrix.bio