



Regulomics Research Outsourcing Services

Our regulomics research outsourcing services decode complex gene regulation systems by integrating transcriptional, epigenetic, and post-transcriptional data to uncover mechanisms driving health and disease states.

Our Regulomics Research Capabilities

Our molecular biologists and bioinformaticians use advanced sequencing, ChIP-seq, ATAC-seq, and computational tools to dissect regulatory elements and build gene regulatory networks.

Types of Regulomics Research We Handle

- Gene Regulatory Network Mapping
- Transcription Factor Binding Profiling
- Chromatin Accessibility Studies (ATAC-seq)
- Histone Modification Analysis (ChIP-seq)
- DNA Methylation and Epigenetic Regulation
- Non-Coding RNA Function and Interaction
- Enhancer and Promoter Region Mapping
- 3D Chromatin Structure Analysis (Hi-C)
- Regulatory SNP Identification
- miRNA and lncRNA Target Prediction
- TF Network Modeling and Simulation
- Regulatory Pathway Analysis
- Single-Cell Regulomics
- Allele-Specific Regulation Studies
- Comparative Regulomics Across Species
- Time-Series Gene Regulation Dynamics
- Co-Expression and Co-Regulation Analysis
- Epigenome Editing Impact Studies
- eQTL Mapping and Integration
- Regulatory Element Conservation Studies
- Integration with Transcriptomics and Epigenomics
- Regulatory Motif Discovery
- Publication-Ready Regulomics Data
- Regulatory-Compliant Regulomics Reports

- Cross-Lab Validation of Regulomics Pipelines
- Custom Regulomics Research Projects

Key Research Outsourcing Services Offered

- ChIP-seq Library Prep and Sequencing
- ATAC-seq and Open Chromatin Profiling
- DNA Methylation Analysis
- TF Motif Discovery and Binding Site Prediction
- 3D Genome Structure and Hi-C Analysis
- Non-Coding RNA Target Validation
- Integrated Multi-Omics Data Analysis
- Regulatory SNP Annotation
- Custom Gene Regulatory Network Construction
- Bioinformatics Pipelines for Regulomics
- High-Throughput Sequencing Data QC
- Statistical Modeling and Regulatory Inference
- Pathway and Network Visualization
- Regulatory Impact Reports for Publication
- Stakeholder Presentation Support
- Confidential Data Handling and NDA
- Interim Reports and Data Updates
- Workshops and Training in Regulomics
- Post-Project Technical Consulting
- IP and Patent Filing Support
- Grant Proposal and Manuscript Assistance
- Sample Archiving and Secure Data Backup
- Compliance with GLP, ISO, FAIR Data Standards
- Cross-Lab Method Transfer and Validation
- Collaboration with Genomics Institutes
- Long-Term Regulomics Research Partnerships
- Custom SOP Development for Regulomics Workflows
- Regulatory Dossier Preparation for Submissions
- Market-Ready Regulomics Reports

Why Choose Us for Regulomics Research Outsourcing?

Our integrated sequencing, epigenetic profiling, and computational modeling reveal hidden layers of gene regulation, supporting novel biomarker discovery and therapeutic development.

Industries & Sectors We Serve

- Genomics and Epigenetics Research Centers
- Biopharma and Precision Medicine Firms
- Academic Regulatory Genomics Labs

- Personalized Medicine and Diagnostics Companies
- Regulatory and Health Policy Bodies
- Contract Research Organizations (CROs)

Customized Regulomics Solutions

We design experiments, build multi-omics regulatory maps, and deliver robust reports aligned with your discovery pipelines and publication goals.

Quality Assurance & Regulatory Compliance

Our workflows align with GLP, ISO, ICH, and FAIR principles to ensure validated, reproducible, and submission-ready regulomics data.

Case Studies & Client Success Stories

Discover how our regulomics outsourcing has decoded complex gene networks, supported new target discovery, and enhanced precision medicine research. References available on request.

How It Works: Our Research Outsourcing Process

1. **Requirement Gathering:** Define genome regions, regulatory targets, and project goals.
2. **Proposal & Quotation:** Provide custom plan, assays, timeline, and budget.
3. **Lab Execution:** Perform sequencing, profiling, and data modeling.
4. **Reporting:** Deliver integrated regulatory data and publication-ready reports.
5. **Post-Project Support:** Offer data interpretation, next-phase studies, and consulting.

Frequently Asked Questions (FAQs)

Q: Can you handle single-cell regulomics?

A: Yes — we offer single-cell resolution regulatory profiling and analysis.

Q: Do you provide integrated multi-omics insights?

A: Absolutely — we merge regulomics with transcriptomics, epigenomics, and proteomics.

Q: How secure is my sequencing and regulatory data?

A: We guarantee NDAs, secure storage, and full IP confidentiality.

Get Started / Request a Quote

Contact us today to discuss your regulomics project and receive a custom plan, timeline, and cost estimate aligned with your research goals.

Contact Us

Email: research-outsourcing@nthrys.com

Phone: +91-8977624748