# CROWN BIOSCIENCE

## **Genomics Services**

Advanced genomic capabilities with cutting-edge data analysis for preclinical studies



QUICKFACT

Enhance your preclinical data and make well-informed decisions using our genomic services, next generation sequencing (NGS), and data analysis platforms.

Rely on our experienced genomics services to:

- Gain in-depth biological insight through highly sensitive sequencing methodologies including PCR-based, real-time PCR, and NGS technologies
- **Speed up your timelines** with integrated end-to-end support from nucleic acid extraction, sequencing, bioinformatics analysis, reports, and visualization
- Streamline your preclinical workflow by integrating genomics into your existing in vitro or in vivo services
- Take advantage of our expansive model datasets, including our large database of NGS-characterized models
- Leverage the **full benefits of your in-life and terminal samples** by utilizing various sample types including fresh and frozen cells and tissue, FFPE, biopsies, and mouth swabs
- Explore and validate drug mechanism with **advanced** genomic analyses

#### Functional Annotations Included in Mouse I/O RNA-Seq Panel

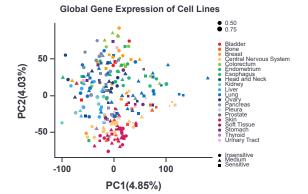


\*Strain specific gene signatures available for C57BL/6 and BALB/c

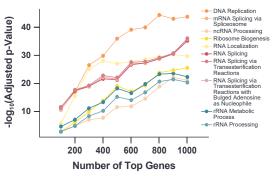
- Identify genetic features associated with drug response through profiling your preclinical samples, utilizing our historical datasets, and applying our **proprietary algorithm for biomarker discovery**
- **Understand drug resistance** by interrogating the immunogenomics between tumors and immune cells
- Comprehensively profile genes associated with tumor immunity with our Mouse I/O RNA-Seq Panel – Measure 1080 transcripts from a single sample to understand genes linked with tumor immunity

#### Choose from two secure and convenient reporting options:

- Tier 1: FASTQ (raw data)
- Tier 2: FASTQ, processed data (i.e. expression, mutation, copy number, gene fusion), and comprehensive reporting
- Consultation included with all tiers
- Secure data transfer via Amazon Web Services
- 1 year storage included with service pricing
- Long-term storage available



#### Gene Ontology Analysis of Biological Processes



### Get in touch

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