

CELEMICS' INNOVATIVE NGS SOLUTIONS FOR AGRIGENOMICS

Plants, Animals and Viruses

- Target enrichment probe design and manufacture technologies for effective targeted sequencing of genome of interest
- Proprietary species-specific blockers and assay optimization technology to enhance the capture performance and sequencing efficiency
- Flexible customizations and integrations enabling flawless implementation of NGS to improve animal and plant productivity and sustainability

Proprietary Target Enrichment along with Assay Design & Optimization Technology for Higher Sensitivity, Coverage, and Uniformity

NGS for Plants

- Ready-to-use NGS panels available for speciation, biomarker discovery, GMO testing, and more
- Optimized and validated panel performance with species-specific blockers
- Customization of NGS panel for crops and plants

Rice Panel
for SNP-based mass genotyping of crop speciation

NGS for Animals

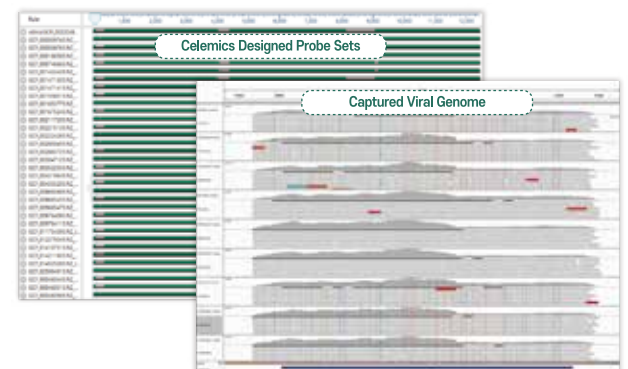
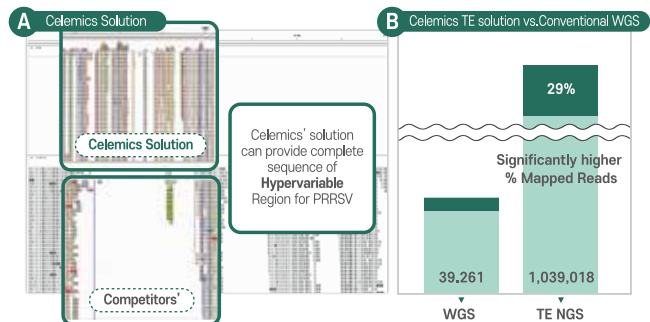
- Ready-to-use NGS panels available for animal-borne pathogens, breed testing and more
- Species- and sequencer-specific blockers integrated (Fig.B)
- Customization of NGS panel for livestock and animals

Porcine Reproductive and Respiratory Syndrome Virus Panel
for livestock research and diagnostics

NGS for Viruses

- Ready-to-use NGS panels available for diverse viruses and bacteria for both human and non-human
- Rapid and accurate sequencing of whole viral genome and/or targeted region of interest
- Customization of NGS panel for viruses and bacteria

Vibrio Panel
for pathogen-specific NGS panel



Your Trusted Partner for NGS Solutions from Sample to Report

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