

Clinical Exome Sequencing (CES) Panel

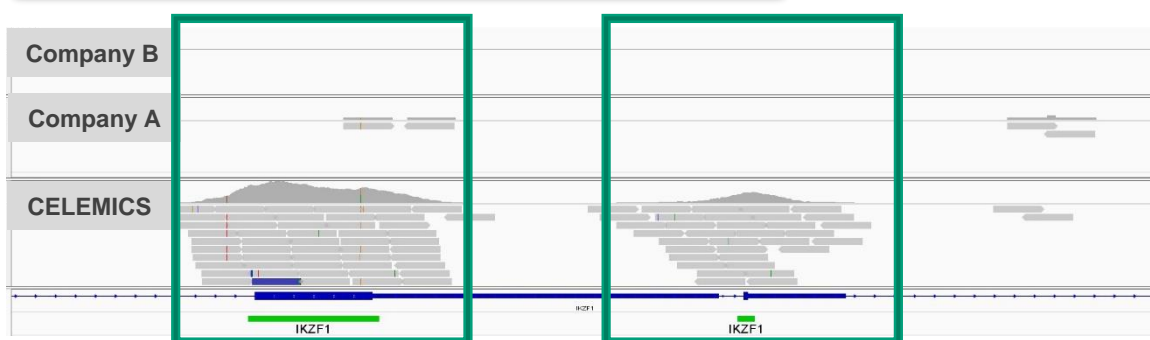
- Analyzes clinically-significant genes among human whole exome regions comprehensively. A wide range of genetic diseases can be analyzed including inherited disease-related genes.
- Able to provide accurate analysis of the genes, reducing sequencing costs compared to WES through selecting genes that have been reported clinically relevant only.

Key Benefits

1. Highly comprehensive target regions

- Able to analyze all clinically important regions that are not covered from competitors' panels

Examples of missing regions of competitors' panels



2. Industry-leading target enrichment efficiency

- Provides unparalleled on-target ratio

	Celemics	Company A	Company B
On-target base	63.6%	52.0%	62.4%
On-target read	80.5%	65.9%	80.8%

Panel specifications

Targets	> 5,000 genes 12.9Mb
Covered Region	CDS + UTR + Intronic hotspots
Coverage	> 98.5% coverage at 20X with mean-depth 100X
Target Enrichment	In-solution Hybridization
Minimum input quantity	> 50ng
Multiplexing	Up to 384 kinds of indices
Sequencer compatibility	All Illumina, Ion Torrent, MGIseq Platforms

