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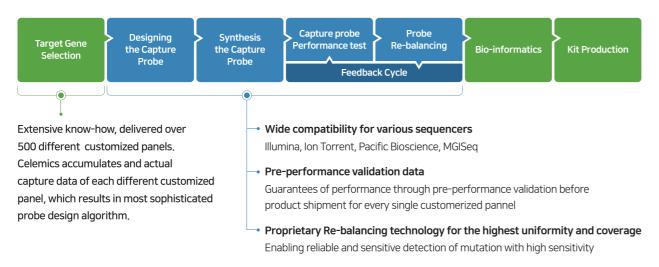
Pseo. Dr. Torres Villarroel, 8, Tfno: 923 361438 37005 SALAMANCA

NGS Custom Panel

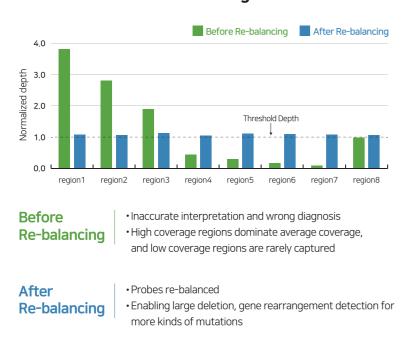
Description

CELLEMICS has developed and delivered over 500 different customized panels. Our target enrichment method is capable of specifically isolating your genomic loci of interest out of the whole genome and increasing the sensitivity of detecting genetic mutations by producing higher coverage & in-depth sequencing data.

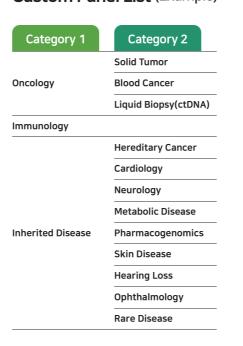
Panel Manufacturing Process



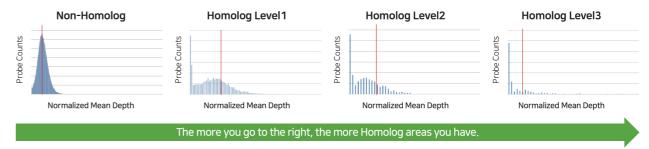
Pilot Test & Panel Rebalancing



Custom Panel List (Example)



Custom Panel Design of Celemics for Homolog Regions

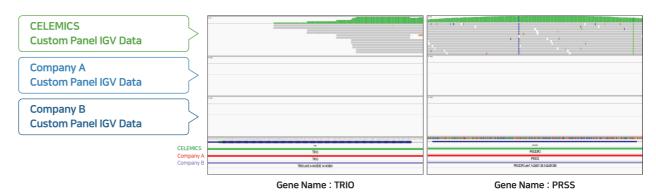


The red line is Mean depth, lower values indicate that each probe coverage performance is degraded. As the homolog level increases, the depth of coverage of each probe tends to decrease.

Supports extensive informations on homolog regions for target region

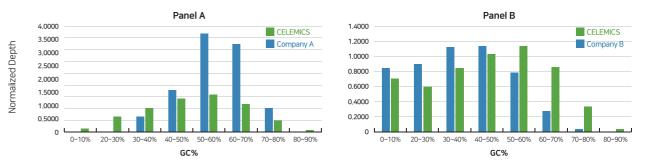
Customer can choose to include in their target BED

Other Company's Targeted Custom Panel IGV Data for Homolog Region



Celemics panels provide data from clinically important regions including where there are overlaps in homology regions.

Sequencing Performance of CELEMICS Panel for GC-rich Region



Comparing the performance of Custom Panels based on the same bed area, for AT-rich Region and CG-rich Region, it shows higher depth and higher uniformity.