

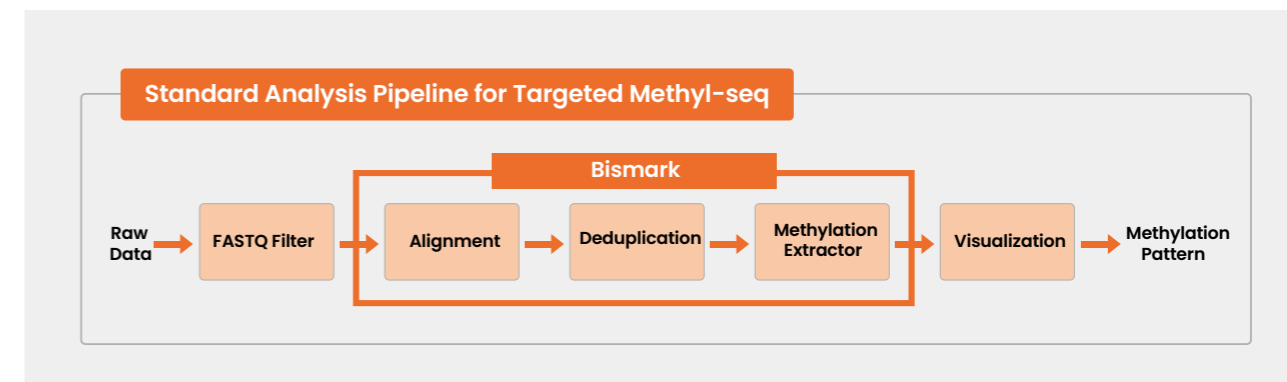
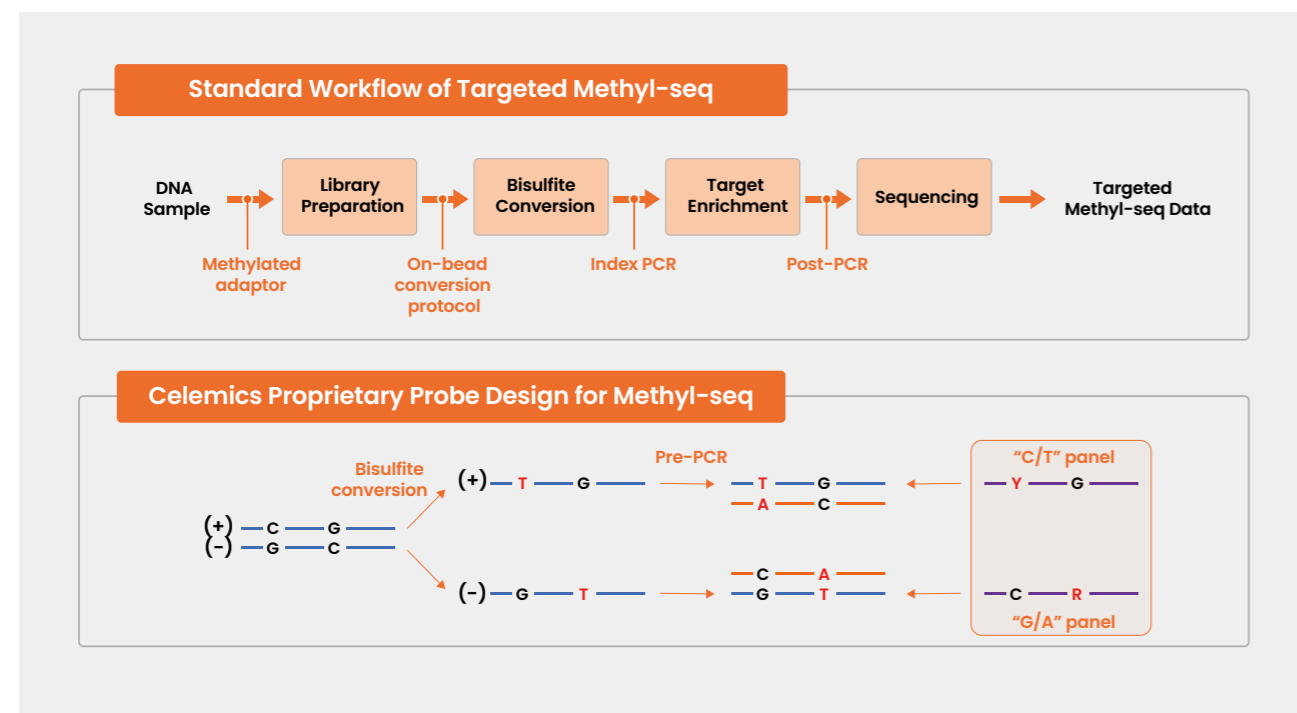
Targeted Methylation Sequencing Panel

Epigenetics

KEY FEATURES

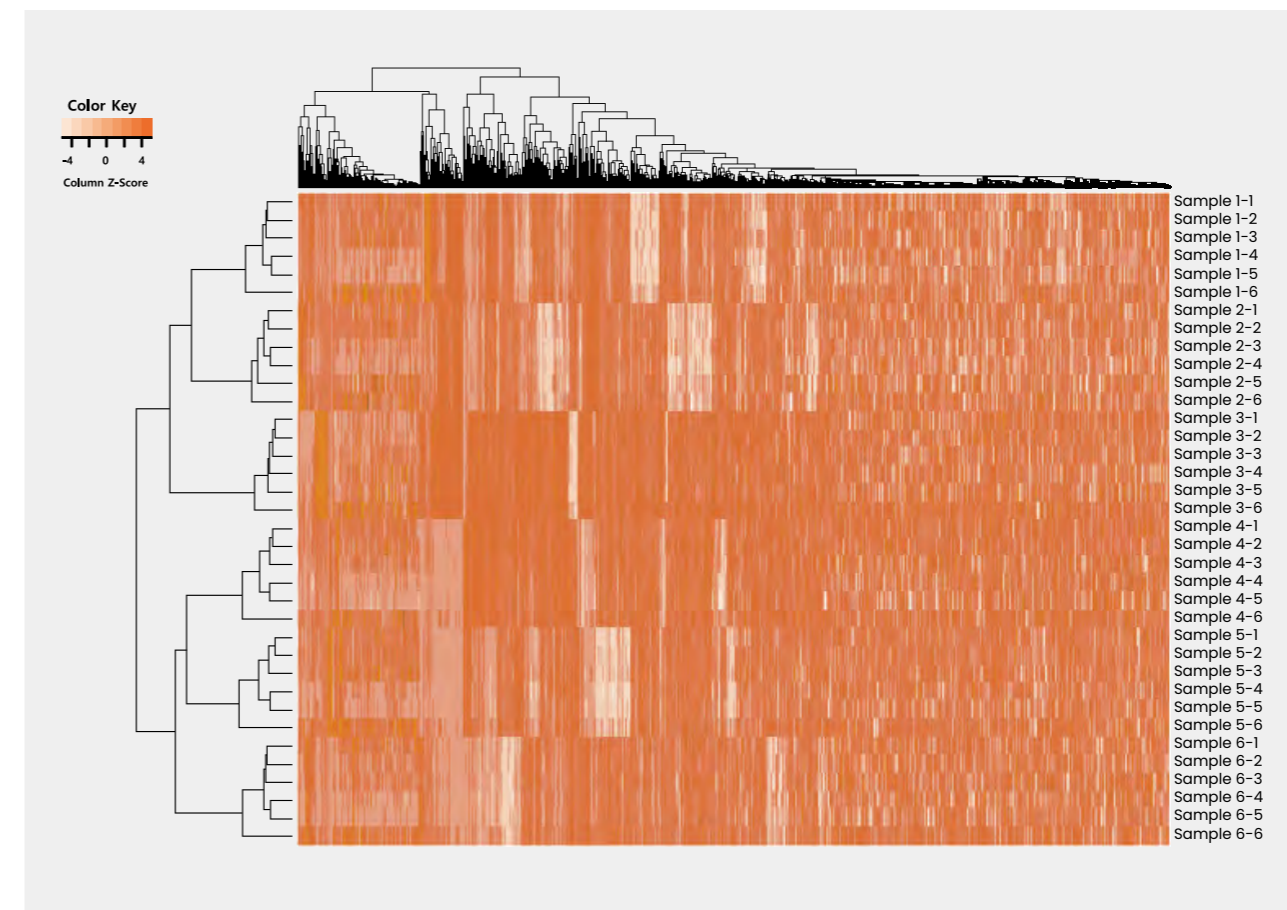
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|--|--|
| <p>1. Probe specifically designed for Methyl-seq</p> | <p>Elaborate design considering the sequence alteration by bisulfite conversion
Thorough comparison analysis of the sequences before and after bisulfite conversion enabling accurate detection of methylation sites</p> |
| <p>2. Compatible with all sample types</p> | <p>Perform methylation analysis with gDNA and cfDNA</p> |

PANEL PERFORMANCE



The targeted methylation sequencing is proceeded with including bisulfite conversion process in the NGS workflow. The hybridization probe and methylated adaptors are designed considering the sequence alteration by bisulfite conversion, enabling accurate comparison analysis of the sequences before and after the conversion. Selective genes are targeted for the analysis, allowing for cost-effective sequencing.

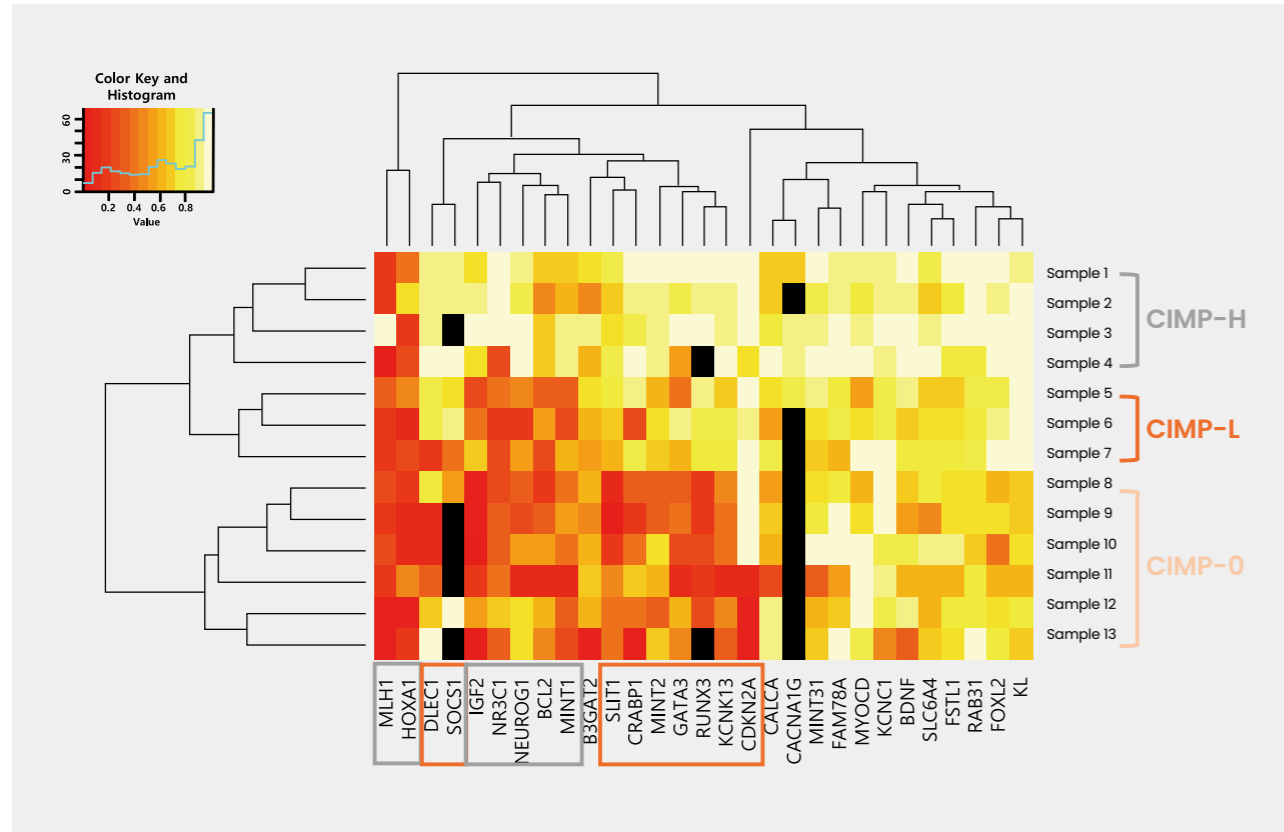
HIGH REPRODUCIBILITY OF METHYLATION PATTERN ANALYSIS



The results demonstrate high reproducibility of the analysis, yielding the same methylation patterns when repeatedly tested with the identical specimens.

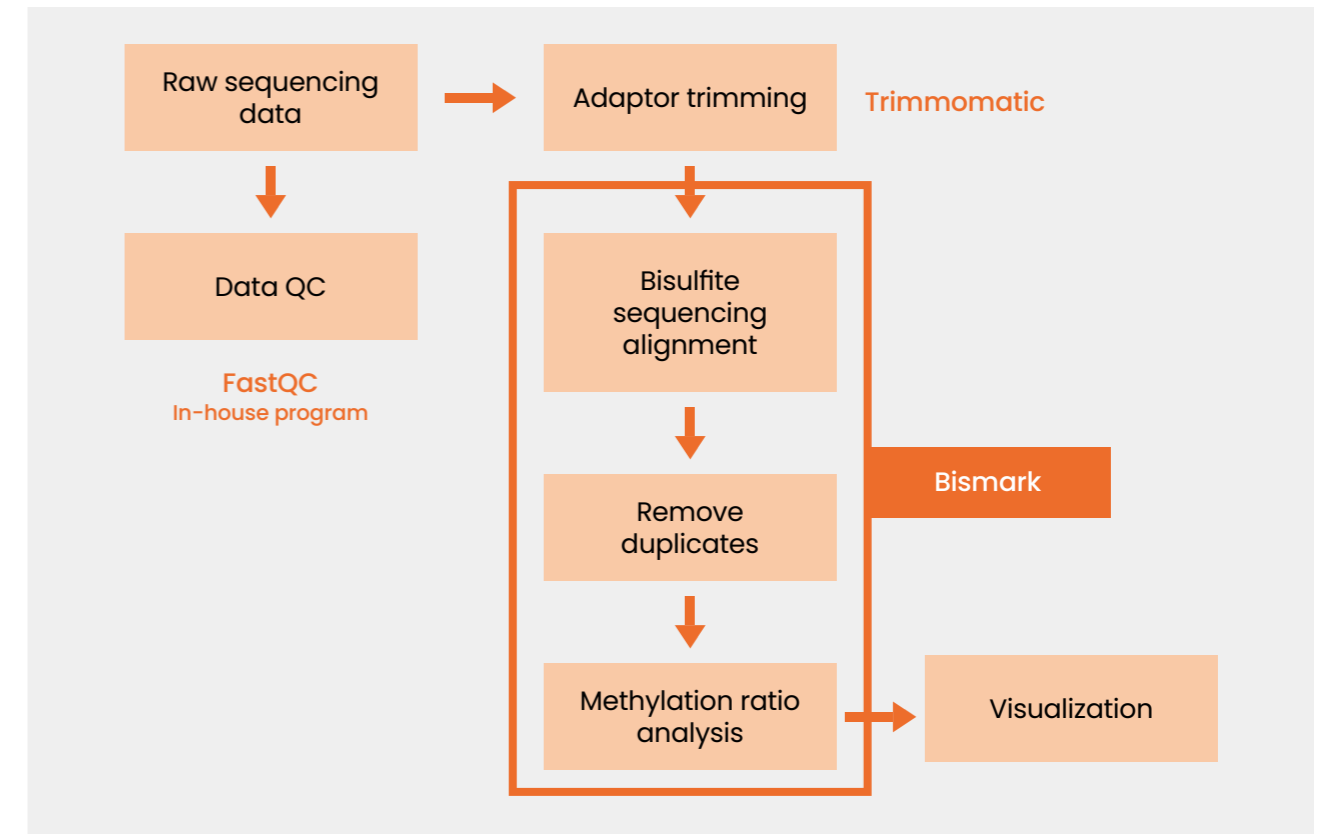


HIGH CONCORDANCE OF METHYLATION PATTERN ANALYSIS WITH CLINICAL INFORMATION



The clustering result from pattern analysis showed high concordance with the clinical data information.

WORKFLOW OF TARGETED METHYLATION SEQUENCING ANALYSIS



Customers who are new to methylation analysis are supported by Celemics bioinformatics software service for fast and accurate analysis.

PACKAGE COMPOSITION

Package name	Compositions		Package option	Options	
Target Enrichment	Target capture Probe	-	Pooling method	Single Reaction	Pre-capture Pooling
Standard	Target Enrichment reagents	Library prep Kit	Library Preparation kits	Standard Kit	EP-kit
All-in-One		Beads / Polymerase	Hybridization Enhancer	Included	Not included

