Methylation Specific Bisulfite-Seq (MSBS)

Enrichment of methylated CpG sites

CpG Enrichment

Single Base Resolution

Cost Saving

Simple workflow Two reaction steps

dsDNA synthesis

22 min

Adaptor Pre-PCR addition purification

1 min

20 min

PCR PCR

Post-PCR purification

2 min 2 min 6 min 10-20 min

3 min 7 min

Fast

Hands-on time

Walk-away time

Total time: ~1.5 hrs

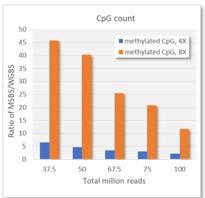
Easv

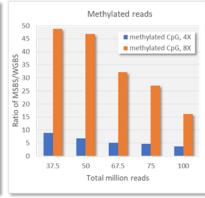
- · No DNA shearing needed
- Hands-on time: ~10 min

High-quality & Low cost

- No library loss by bisulfite conversion
- · No expensive methylated adaptor

	MSBS (BioDynami)	WGBS	RRBS	MeDIP-Seq
Technology	Methylation Specific Bisulfite Sequencing	Whole Genome Bisulfite Sequencing	Reduced Representation Bisulfite Sequencing	Methylated DNA Immunoprecipitation Sequencing
Feature	Enrichment of methylated CpG sites	Whole genome is sequenced including non-methylated regions	DNA fragments from restirction enzyme digestion is used	Antibody based methylated cytosine capture
Bisulfite sequencing	Yes	Yes	Yes	No
Single base resolution	Yes	Yes	Yes	No (150-200 bases)
Low cost	Yes	No	Yes	Yes
Whole methylated CpG coverage	Yes	Yes	No (only 10%)	Yes









Web: biodynami.com Tel: (256) 872-0805

Email: support@biodynami.com

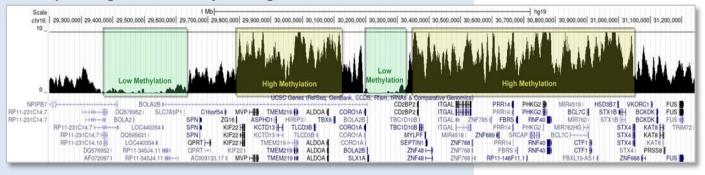




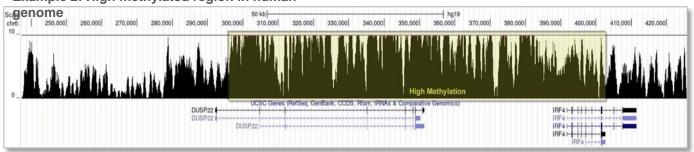
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Enrichment of methylated CpG sites

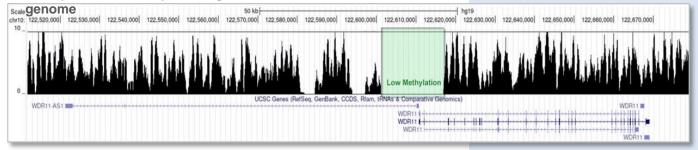
Example 1: High and low methylated regions in human



Example 2: High methylated region in human



Example 3: Low methylated region in human



Product Name	Cat.#
Methylation Specific Bisulfite-Seq Library Prep Kit (with non-index primers)	30101
Methylation Specific Bisulfite-Seq Library Prep Kit (with index primers)	30102
Methylation Specific Bisulfite-Seq Library Prep Kit (with unique dual index primers)	30103

More details at biodynami.com/product/methylation-specific-bisulfite-seq/



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