

# NGS & Bioinformatics service

- Transcriptome : RNA-seq, CAGE, NET-CAGE
- Epigenome: ATAC-seq, ChIP-seq
- Other materials: Eprobe / Eprimer, cDNA clone

## RNA-seq

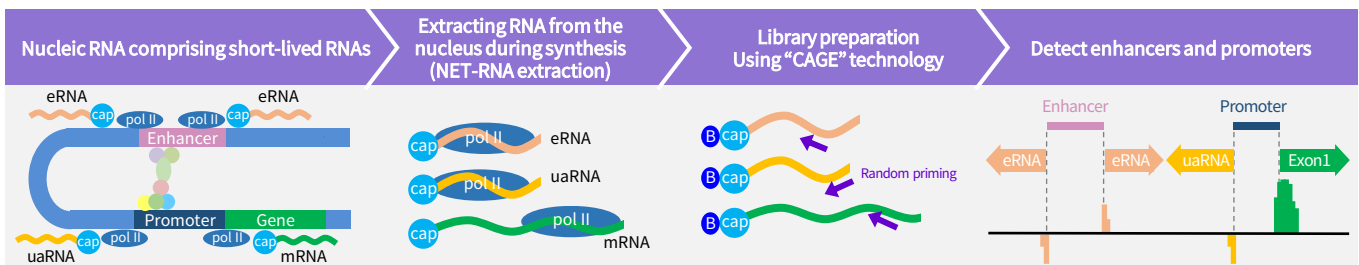
Just send your samples! Delivered with Bioinformatics analysis!



Sequencing instrument	Amount of data	Bioinformatics analysis
DNBSEQ-G400 NextSeq2000	30 million PE reads/sample	Fastq, Bam, Gene expression level (Count, FPKM, TPM), Comparative analysis (DEG), Gene ontology (GO), Heatmap, Dendrogram etc...

## NET-CAGE

Detect active enhancers using "CAGE" technology!



Sequencing instrument	Amount of data	Bioinformatics analysis
NextSeq500 (75SR) NextSeq2000 (150PE)	15 million (SR/PE) reads/sample	Fastq, Bam, Gene expression level (Count, CPM), Comparative analysis (DEG), TSS Clusters, Gene ontology (GO), Transcription factor binding motifs etc..



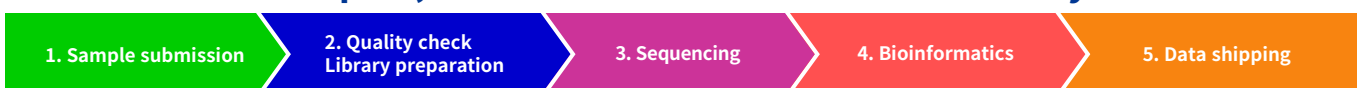
Check out our YouTube channel!

Technical webinar about NET-CAGE

<https://www.youtube.com/@user-ky4xw1tz2i/videos>



Just send the samples, delivered with Bioinformatics analysis!

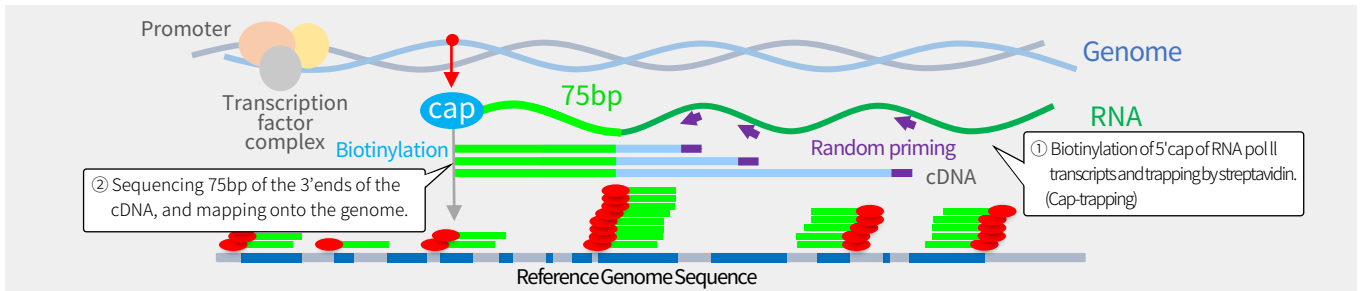


- This is the next-generation sequencing and analysis service.
- Library preparation, sequencing, and delivered with bioinformatics analysis.

Email : [contact@dnaform.jp](mailto:contact@dnaform.jp)

# CAGE 5'RNA-seq

Higher sensitivity than RNA-seq! Discover new Transcriptional Start Sites!



Sequencing instrument	Amount of data	Bioinformatics analysis
NextSeq500(75SR) NextSeq2000(150PE)	15 million (SR/PE) reads/sample	Fastq, Bam, Gene expression level (Count, CPM), Comparative analysis (DEG), TSS Clusters, Gene ontology (GO), Transcription factor binding motifs etc..

# ATAC-seq

Analysis of open chromatin regions!

Sequencing instrument	Amount of data	Bioinformatics analysis
DNBSEQ-G400 NextSeq2000	40 million PE reads/sample	Fastq, Bam, Peak call, Transcription factor binding motifs

# ChIP-seq

Analysis of histone modifications and transcription factor binding sites!

Sequencing instrument	Amount of data	Bioinformatics analysis
DNBSEQ-G400 NextSeq2000	40 million PE reads/sample	Fastq, Bam, Peak call, Transcription factor binding motifs

# Eprobe / Eprimer

Novel fluorescent probe for SNP genotyping / somatic mutation detection



Product	Quantity	Fluorophore
Eprobe Eprimer	1.5~10.0nmol	Oxazole yellow, Thiazole orange, Thiazole pink

# cDNA clone

cDNA clone of model organisms and RNAi clones of *C.elegans*



Product	species	Type of vectors
<i>C.elegans</i> RNAi clone <i>C.elegans</i> Fosmid Library clone RIKEN Human cDNA clone RIKEN mouse cDNA clone <i>Xenopus</i> ORF clone Zebrafish ORF clone	Human, Mouse, Rat, Clawfrog, Zebrafish, Roundworm	Expression vector, Gateway vector, Simple cloning vector

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