TOP-seq: technology for high-resolution economical analysis of DNA epigenome

BRIEF DESCRIPTION
Dynamic patterns of DNA modification are part of epigenetic regulation in vertebrates, including humans, which contributes to normal phenotypic variation and disease risk and thus can be used as diagnostic and prognostic disease markers. We offer a robust and economical nucleotide-resolution technique (TOP-seq) for high-resolution mapping of epigenetic modifications in the genome using covalent tagging of the modification target sites.

APPLICATION
- Epigenomic profiling, biomarkers, genomics, diagnostics, cell-free DNA.

PURPOSE
- Determination of genomic DNA modification profiles for research and diagnostics.

INTELLECTUAL PROPERTY
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TECHNOLOGY READINESS LEVEL
TRL 4 – technology validated in the laboratory.

PUBLICATIONS

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