gDNA
DNA quantification
Double digestion with two restriction enzymes
Ligation of adaptors
Amplification of fragments with adaptors
Purification of PCR reaction products using magnetic beads
Library validation using Agilent Bioanalyzer
Size fragment selection using magnetic beads
Sequencing
frequent cutter side
rare cutter side
RESTRICTION DIGESTION
Adaptors ligation P1 i P2
gDNA
Adaptor 1
Barcode
Digestion side
Digestion side
Adaptor 2
NGS sequencing
Bioinformatics analysis
Paired end sequencing