Nevogene

Whole Genome Bisulfite Sequencing (Gene Methylation)

1. Sample Requirements

Sample Type	Required Amount	Volume	Concentration	Purity
Genomic DNA	≥ 2.5 μg	≥ 20 μL	\geqslant 20 ng/µL	OD260/280=1.8-2.0; 0 < OD260/230 < 3; No degradation or contamination

2. Sequencing Parameters

Platform	Illumina NovaSeq 6000		
Read length	Paired-end 150		
Recommended Sequencing Depth	\geq 30 × coverage for the species with reference genome;		
Data quality	Guaranteed ≥ 80% bases with Q30 or higher		
Turnaround time	Typical 6~7 weeks for fewer than 20 samples from project verification to data releasing without bioinformatic analysis		

3. Data Analysis Contents

