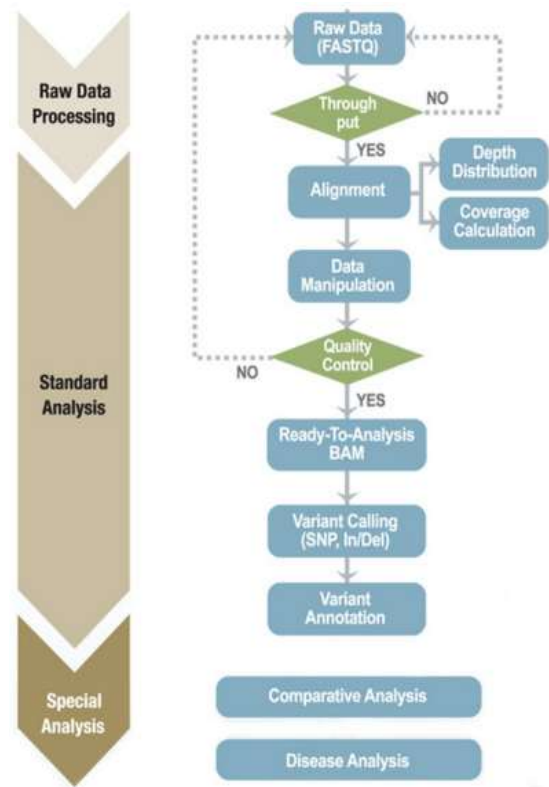# NGS Services

Our NGS bioinformatics services cover wide range of NGS sequencing platforms including Illumina MiSeq, Illumina HiSeq 2500, Roche GS FLX/FLX+, Roche etc.,

- Denovo Transcriptome Analysis
- RNA-Seq
- Whole Genome Re-sequencing
- Denovo Whole Genome Assembly Analysis
- ChIP-Seq Analysis
- Exome Data Analysis
- CNV analysis
- Gene Expression Profiling

Basic pipeline for NGS data analysis include customized pipelines specific to each sequencing methodology like

- OTUs identification
- Contig expression estimation
- Differential gene expression
- Gene prediction
- Prediction of novel miRNAs and other small RNAs
- Prediction of coding regions
- Variant Analysis
- Functional and structural annotation of genome
- Identification of SNPs and genotype
- Haplogroup identification
- Methylation analysis
- Gene pathway analysis