

## 1. Standard Analysis (Human or Mouse) with reference

Data Quality Control: filtering reads containing adapter or with low quality
Statistics Analysis of Data Production and Quality
Mapping Reads to Reference Genome
Gene Expression Quantification
Differential Expression Analysis (two or more groups of samples)
GO Enrichment Analysis and KEGG Pathway Enrichment Analysis of Differentially Expressed Genes (DEGs) (two or more groups of samples)
Protein Protein Interaction Analysis
Functional Annotation of Transcription Factors
Functional Annotation of Oncogene
Alternative Splicing (AS) Quantification and Differential Expression Analysis
Identification of anti-Transcript ( <b>Strand Specific Library Only</b> )
TSS and TSS Prediction ( <b>Strand Specific Library Only</b> )
SNP/InDel Analysis
Fusion Gene Analysis (for tumor sample and cancer cell line)