1. Bioinformatics Analysis

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| **Standard Analysis** |
| Data Quality Control: filtering reads containing adapter or with low quality |
| Alignment to Reference Genome; Statistics of Sequencing Depth and Coverage |
| Variant (SNP, CNV, InDel and SV) Calling, Annotation and Statistics |
| Somatic Variant (paired tumor samples) Detection |
| -SNP calling, annotation and statistics |
| -CNV calling, annotation and statistics |
| -InDel calling, annotation and statistics |
| -SV calling, annotation and statistics |
| Display of Genomic Variants with Circos |