# Sequencing technologies

## Illumina

## Pac Bio

## Ion Torrent

# de-novo assembly background

## Overlapping reads

## De-bruijn graphs

# Tools

## Velvet and soapDenovo

### show table of tools

## Trinity - transcriptome

## Spades

# experiment considerations

## Sequencing depth

## Eukaryote vs prokaryote

## Sequence eukaryote transcriptome?

# terms

## Contigs

## Scaffolds

# Assembly of bacterial genome

## Spades

## QC of assembly

### Quast

## ordering contigs

### Mauve

# Annotation of  bacterial genome

## Structural

### Glimmer

### Genemark

## Functional

### BLAST

### KEGG

## NCBI PGAAP

## RAST submission