Project Plan Outline:

1. 29/03/19: Download data, Finish project plan draft.
2. 04/04/19: Quality control of raw data: 1) Genomic - Illumina, Oxford Nanopore, Pacbio 2) RNA-Seq (Illumina) 3) Tn-Seq (Illumina).
3. 11/04/19: Genom Assembly: 1) With Pacbio reads (Canu) 2) With Illumina and Oxford Nanopore reads (SPAdes). Polishing Canu Assembly. Assembly evaluation.
4. 24/04/19: Structural and functional annotation. Synteny Analysis. Evaluation of Antibiotic resistance potential.
5. 25/04/19: RNA-Seq Analysis, part 1: Read mapping.
6. 02/05/19: RNA-Seq Analysis, part 2: Transcript quantification.
7. 07/05/19: RNA-Seq Analysis, part 3: DE Analysis. Tn-Seq Analysis, part 1: Read mapping.
8. 13/05/19: Tn-Seq Analysis, part 2: Transcript quantification.
9. 17/05/19: Tn-Seq Analysis, part 3: DE Analysis.
10. 23/05/19: SNPs Calling.
11. 23/05/19: SNPs Calling. Presentation