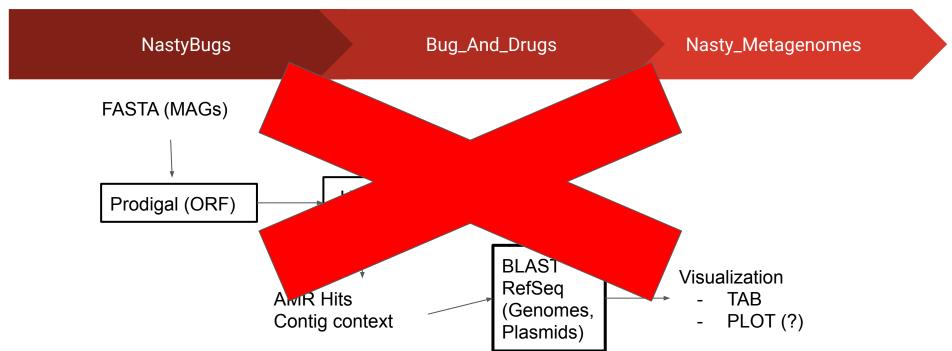


Antimicrobial Resistance Characterization in Metagenomes





Antimicrobial Resistance Characterization in Metagenomes

NastyBugs

Bug_And_Drugs

Nasty_Metagenomes

The goal:

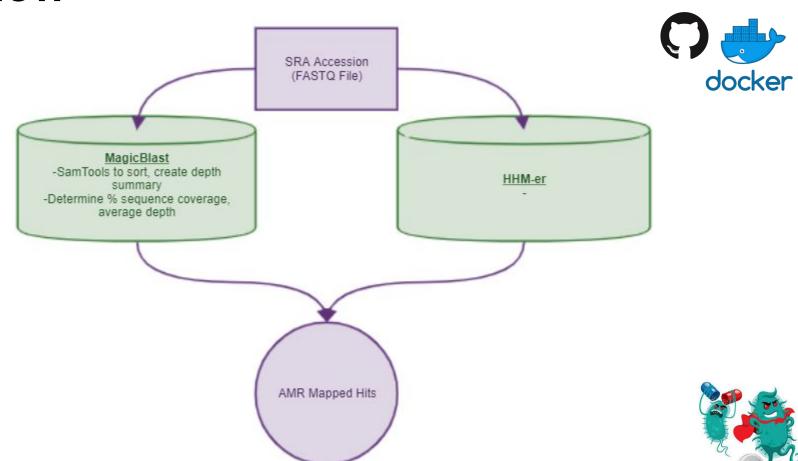
- Comparison of MagicBlast to HMM-er
- Local assembly for AMR "hits"
- Species identification and plasmid detection

The tools:

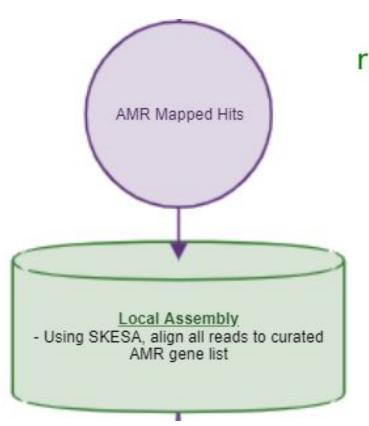
- AMR Finder: includes CARD, resFinder, Lahey, Pasteur Institute Beta Lactamases, NIH
- Workflow: Nextflow
- Container: Docker

Workflow

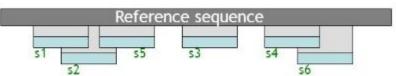




Workflow



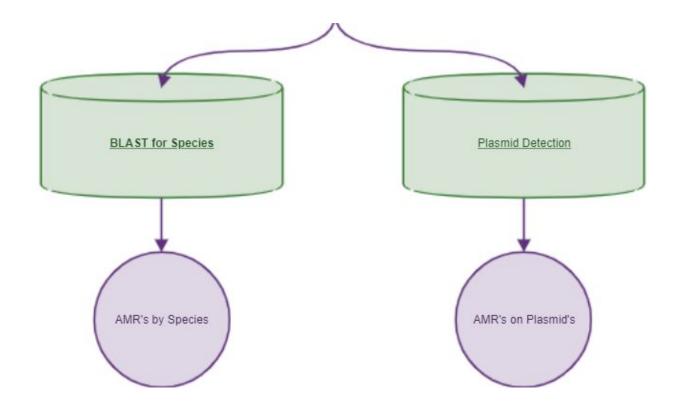
referenceguided



SKESA - Strategic Kmer Extension for Scrupulous Assemblies



Workflow





Work to be done

- HHM-er through SKESA
- AMR Species lists
- AMR plasmid identification
- Visualizations
- The workflow in Nextflow...



