

Axis 1 Assembly

Assembly - Polishing - Scaffolding



<http://get.genotoul.fr>
 @get_genotoul

<http://bioinfo.genotoul.fr>

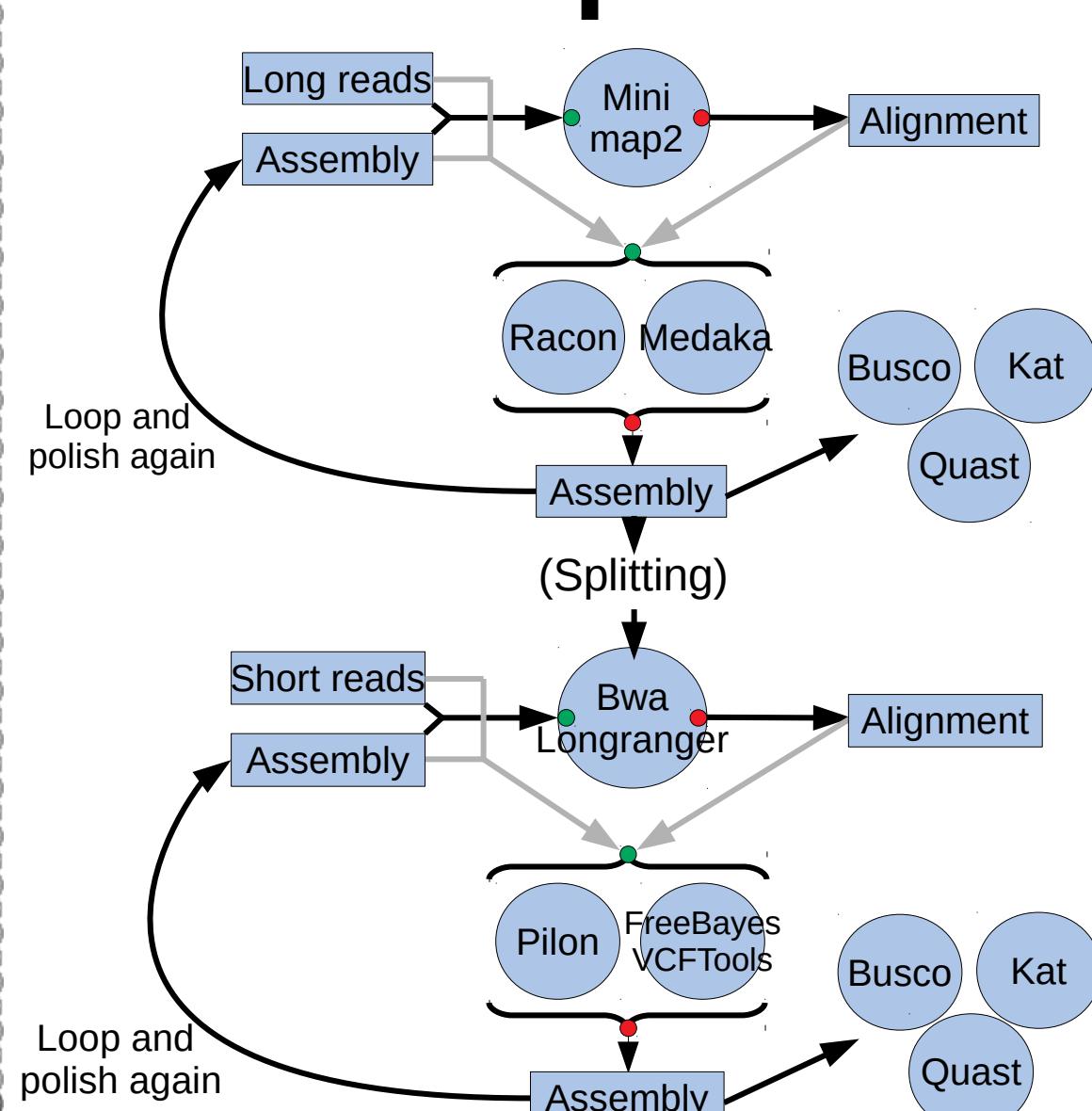


Axis goal

- Finding the best way to assemble genome
 - Optimize and automate existing tools
 - Must work for maximum genomes

Individu	Assembly	Polishing LR	Splitting	Polishing SR	Scaffolding	Gap Filling	Final Polishing
Mother1 37165							
Father1 37164							
Offspring1 37163							
Mother2 37162							
Father2 37161							
Offspring2 37160							
<i>Sus scrofa</i>							
<i>Coturnix japonica</i>							
Mais F2							
Mais MBS847							
Mais F252							
Zea Mais F4							

Pipeline improvement

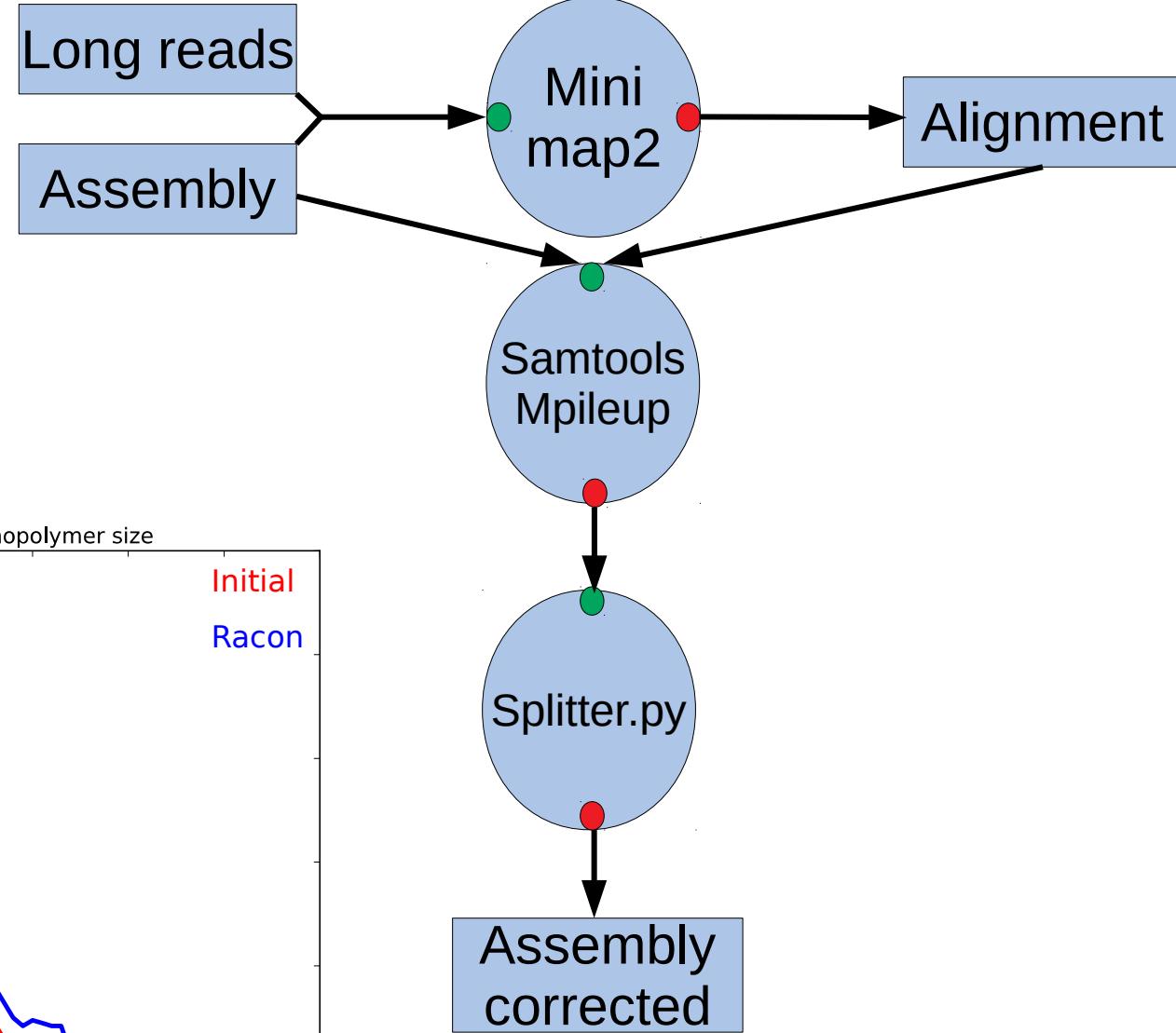
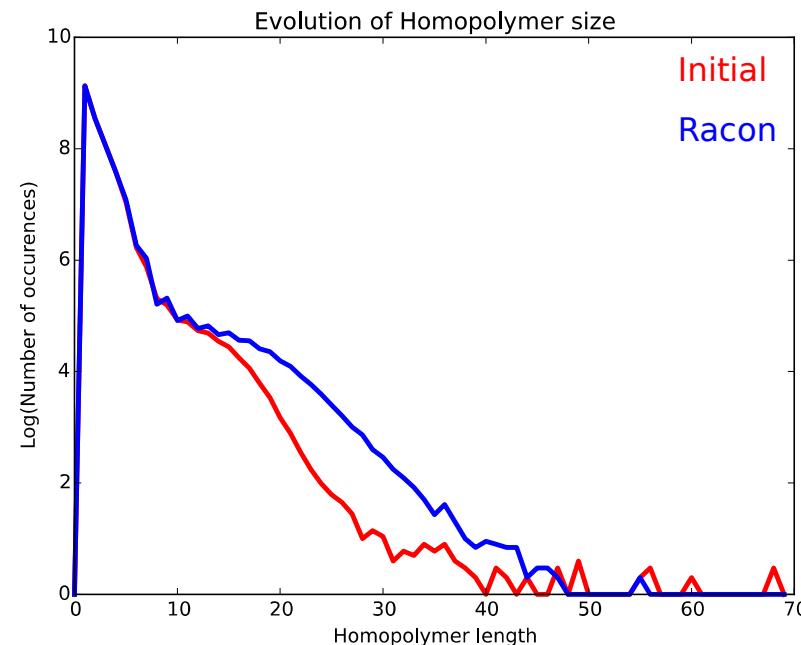
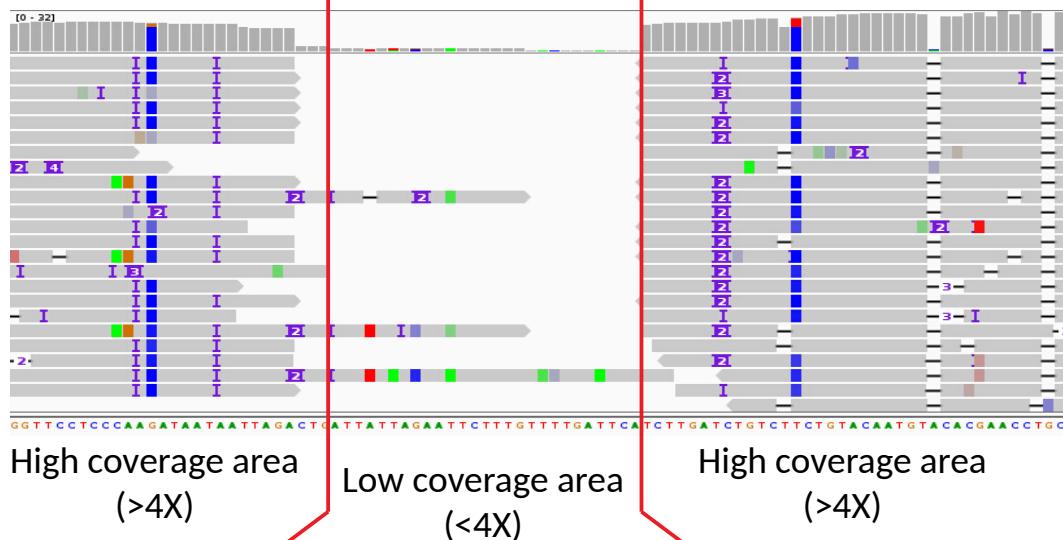


nextflow v20.04.1

BIOCONDA®

**H.E.L.E.N
MarginPolish
Pepper**

Splitting step



Other current jobs

- Run polishing pipeline on all the genomes of the project
- Find the best way to use PacBio HiFi reads
- Find the ideal coverage thresholds for assembly / polishing / scaffolding

- Scaffold and manual modification

