6. Let's play with a prokaryotic annotation tool: Prokka
and
7. Visualization of results using JBrowse

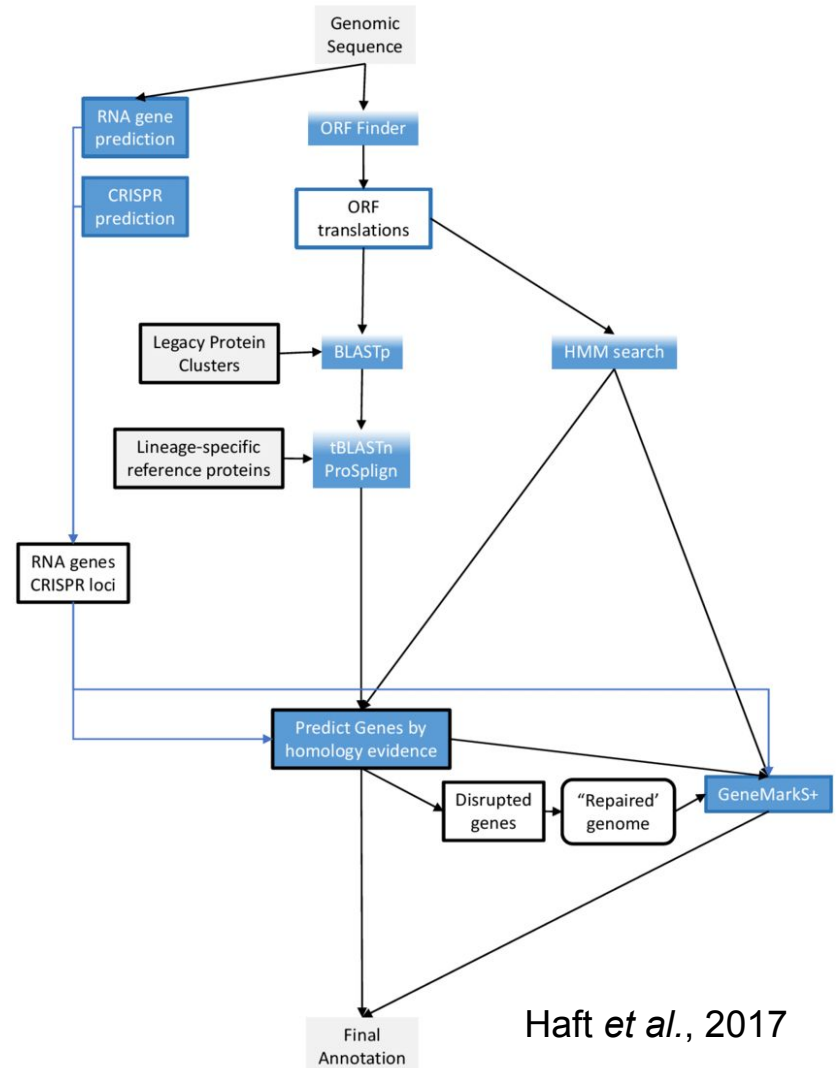Guillaume GAUTREAU, 28/09/2022

Why to use Prokka ?

- Prokka is a wrapper of some of the tools described before, allowing to easily perform genome annotation
- Prokka is rapid, easy to use and famous
- Prokka is standard compliant (GFF3/GBK)

But Prokka is not the only tool to perform annotation:

- Prokaryotic Genome Annotation Pipeline
- More recent : bakta
- Custom pipeline
- Web platform (see lesson 11. Les plateformes d'annotation automatique)

PGAP Prokaryotic Genome Annotation Pipeline

- Developed by NCBI
- Offers a very good alternative to Prokka:
  - Much more detailed
  - Much more computationally intensive
  - Here is a detailed presentation https://youtu.be/pNn_-_46lpI

Haft *et al*., 2017

Next slides: Galaxy Prokka + visualization using JBrowse

https://training.galaxyproject.org/training-material/topics/genome-annotation/tutorials/annotation-with-prokka/tutorial.html