Prokka is a fast and accurate command line software tool used to annotate prokaryoyic genomes. It produces standards-compliant output files that can be used for further analysis or viewing in genome browsers.

Prokka expect one single input file in a FASTA format, containing an assembled genome. The process of annotation is possible thanks to the comparison of the gene codes with a large database of known sequences, identifying the best match as the most significative one and therefore associating the labelling and the relevant features to the gene codes. Prokka use this method in an hieratical manner, using initially small and reliable databases moving only at the end of the process to protein family databases.

Prokka produces several outputs file, listed in the figure.