

DNA Generator

DNA sequence generator is a tool that generates a random DNA sequence with specified nucleotide content. To generate a random DNA sequence select the *Tools->Generate* sequence item in the main menu. The dialog will appear:

Generate Sequence

Parameters

Length: 1000 bp

Window size: 1000 bp

Number of sequences: 1

☐ Initialize random generator manually

Content

☒ Reference ...

☐ Manual

Output

Output File ...

Format: FASTA

☒ Add to project

The following parameters are available:

Length - length of the resulted sequence(s) (using '1000' bp by default).

Window size - size of window where set content (using '1000' by default).

Number of sequences - number of sequences to generate (using '1' by default).

Initialize random generator manually - value to initialize the random generator.

Reference - path to the reference file (could be a sequence or an alignment).

Manual - set the base content persents. To configure base content click on the *Configure* button and set base content manually.

Output file - output file.

Format - output file format (using 'fasta' by default).

Add to project - adds the generated sequence(s) to project.

Once the *Search* button has been pressed, the sequence(s) are created.