# **ChIP-Seq Coverage**

The workflow sample, described below, prepare ChIP-Seq processed data (with BedTools and bedGraphToBigWig) for visualization in a genome browser. For input BED-file produces BigWig file.

### How to Use This Sample

If you haven't used the workflow samples in UGENE before, look at the "How to Use Sample Workflows" section of the documentation.

### Workflow Sample Location

The workflow sample "ChIP-Seq Coverage" can be found in the "NGS" section of the Workflow Designer samples.

### Workflow Image

The opened workflow looks as follows:

File List	Slopbed	Output File	Genome Coverage	Output File	Convert bedGraph Files to bigWig
Gets paths of	Increases the size	0 29	Produces genome-wide	9 -9	
files: unset.	of each feature in		coverage output in		Converts bedGraph files
	files from from File		BEDGRAPH format. from		to bigWig from Genome
	List with bedtool		from Slopbed with bedtool		Coverage with
	slop.		genomecov.		bedGraphToBigWig.

## Workflow Wizard

The wizard has 3 pages.

1. Input data Page: On this page you must input BED file with ChIP-Seq tags.

ChIP-Seq Coverage Wizard			5 ×
	Input data ChIP-Seq Tags		
	BED File	Required	
Defaults			Next > Cancel

2. <u>Parameters Page:</u> Here you can optionally modify parameters that should be used for the Slopbed, Genome Coverage and BedGraphToBigWig elements.

Parameters   Slopbed   Genome /Users/pro/Documents/ugene/trunk/installer/macosx/debug. •   Slopbed Advanced   Show slopbed advancedparameters   Genome Coverage   Genome MUsers/pro/Documents/ugene/trunk/installer/macosx/debug. •   Report mode BEDGRAPH   Genome Coverage advanced   Show genome coverage advanced   BedGraphToBigWig   Genome /Users/pro/Documents/ugene/trunk/installer/macosx/debug. •   BedGraphToBigWig Advanced
Show bedgraphtobigwig advancedparameters +

3. <u>Output Files Page:</u> On this page you can select an output directory:

ChIP-Seq Coverage Wizard			? ×
	Output data Output folders Output directory Custom directory	Input file	•
Defaults		< Back Apply Run	Cancel