

# Merge BAM Files Element

Merge BAM files using SAMTools merge.

## Parameters in GUI

| Parameter               | Description                                                                                                                                                                                  | Default value |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Output directory</b> | Select an output directory. Custom - specify the output directory in the 'Custom directory' parameter. Workflow - internal workflow directory. Input file - the directory of the input file. |               |
| <b>Custom directory</b> | Custom output directory.                                                                                                                                                                     |               |
| <b>Output BAM name</b>  | A name of an output BAM file. If default of empty value is provided the output name is the name of the first BAM file with .merged.bam extention.                                            |               |

## Parameters in Workflow File

**Type:** merge-bam

| Parameter         | Parameter in the GUI    | Type           |
|-------------------|-------------------------|----------------|
| <b>out-mode</b>   | <b>Output directory</b> | <i>numeric</i> |
| <b>custom-dir</b> | <b>Custom directory</b> | <i>string</i>  |
| <b>out-name</b>   | <b>Output name</b>      | <i>string</i>  |

## Input/Output Ports

The element has 1 *input port*:

**Name in GUI:** BAM File

**Name in Workflow File:** in-file

**Slots:**

| Slot In GUI       | Slot in Workflow File | Type          |
|-------------------|-----------------------|---------------|
| <b>Source URL</b> | <b>input-url</b>      | <i>string</i> |

And 1 *output port*:

**Name in GUI:** Merged BAM files

**Name in Workflow File:** out-file

**Slots:**

| Slot In GUI       | Slot in Workflow File | Type          |
|-------------------|-----------------------|---------------|
| <b>Source URL</b> | <b>output-url</b>     | <i>string</i> |