

# Merge BAM Files Element

Merge BAM files using SAMTools merge.

Parameters in GUI

| Parameter        | Description                                                                                                                                                                                  | Default value |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Output directory | 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. |               |
| Custom directory | Custom output directory.                                                                                                                                                                     |               |
| Output BAM name  | 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           |
|------------|----------------------|----------------|
| out-mode   | Output directory     | <i>numeric</i> |
| custom-dir | Custom directory     | <i>string</i>  |
| out-name   | Output name          | <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          |
|-------------|-----------------------|---------------|
| Source URL  | input-url             | <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          |
|-------------|-----------------------|---------------|
| Source URL  | output-url            | <i>string</i> |