FASTQ Quality Trimmer Element

The workflow scans each input sequence from the end to find the first position where the quality is greater or equal to the minimum quality threshold. Then it trims the sequence to that position. If a the whole sequence has quality less than the threshold or the length of the output sequence less than the minimum length threshold then the sequence is skipped.

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.	Input file
Custom directory	Specify the output directory.	
Output file name	A name of an output file. If default of empty value is provided the output name is the name of the first file with additional extention.	
Quality threshold	Quality threshold for trimming.	30
Min Length	Too short reads are discarded by the filter.	0

Parameters in Workflow File

Type: QualityTrim

Parameter	Parameter in the GUI	Type
out-mode	**Output directory**	*numeric*
custom-dir	**Custom directory**	*string*
out-name	**Output file name**	*string*
qual-id	**Quality threshold**	*numeric*
len-id	**Min Length**	*numeric*

Input/Output Ports
The element has 1 *input port*:

Name in GUI: Input File

Name in Workflow File: in-file

Slots:

Slot In GUI	Slot in Workflow File	Type
Source URL	**url**	*string*

And 1 *output port*:

Name in GUI: Output File

Name in Workflow File: out-file

Slots:

Slot In GUI	Slot in Workflow File	Type
Source URL	**url**	*string*