

# Import PHRED Qualities Element

Adds corresponding PHRED quality scores to the sequences. Use this element to convert .fasta and .qual pair to fastq format.

## Parameters in GUI

Parameter	Description	Default value
<b>PHRED input</b> (required)	Path to a file with PHRED quality scores.	
<b>Quality format</b>	Format to encode quality scores.	Sanger

## Parameters in Workflow File

**Type:** import-phred-qualities

Parameter	Parameter in the GUI	Type
url-in	PHRED input	<i>string</i>
quality-format	Quality format	<i>string</i>  Available values are: <ul style="list-style-type: none"><li>• Sanger</li><li>• Illumina 1.3+</li><li>• Solexa/Illumina 1.0</li></ul>

## Input/Output Ports

The element has 1 *input port*:

**Name in GUI:** *DNA sequences*

**Name in Workflow File:** in-sequence

**Slots:**

Slot In GUI	Slot in Workflow File	Type
<b>Sequence</b>	<b>sequence</b>	<i>sequence</i>

And 1 *output port*:

**Name in GUI:** *DNA sequences with imported qualities*

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

**Slots:**

Slot In GUI	Slot in Workflow File	Type
<b>Sequence</b>	<b>sequence</b>	<i>sequence</i>