

# In Silico PCR Element

Simulates PCR for input sequences and primer pairs. Creates the table with the PCR statistics.

**Element type:** in-silico-pcr

## Parameters

Parameter	Description	Default value	Parameter in Workflow File	Type
Primers URL	A URL to the input file with primer pairs.		primers-url	string
Report URL	A URL to the output file with the PCR report.		report-url	string
Mismatches	Number of allowed mismatches.	3	mismatches	numeric
Min perfect match	Number of bases that match exactly on 3' end of primers.	15	perfect-match	numeric
Max product size	Maximum size of amplified region.	5000	max-product	numeric
Use ambiguous bases	Search for ambiguous bases (as \"N\") if checked.	True	use-ambiguous-bases	boolean
Extract annotations	Extract annotations within a product region.	Inner	extract-annotations	string

## Input/Output Ports

The element has 1 *input port*:

**Name in GUI:** Input sequence

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

**Slots:**

Slot In GUI	Slot in Workflow File	Type
Sequence	sequence	sequence

And 1 *output port*:

**Name in GUI:** PCR product

**Name in Workflow File:** out

**Slots:**

Slot In GUI	Slot in Workflow File	Type
Set of annotations	annotations	annotation-table
Sequence	sequence	sequence