

# Detect Transcription Factors with rSNP-Tools Element

Identification of transcription factor binding sites in the DNA which have been modified by polymorphic mutation.

Parameters in GUI

Parameter	Description	Default value
Database path	Path to SNPToolbox database with sequences, features and damage effect data.	
First site state	First sequence TFBS state.	Normal (1.0)
Second site state	Second sequence TFBS state.	Weakened (0.5)
SNP significance	Significance value for the SNP.	0.00025

# Parameters in Workflow File

Type: rSnp-tools

Parameter	Parameter in the GUI	Type
db_path	Database path	string
first_site_state	First site state	numeric
second_site_state	Second site state	numeric
snp_significance	SNP significance	numeric

# Input/Output Ports

The element has 1 *input port*:

**Name in GUI:** Input variations

**Name in Workflow File:** in-variations

**Slots:**

Slot In GUI	Slot in Workflow File	Type
Variation track	variation-track	variation

And 1 *output port*:

**Name in GUI:** Output variations

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