

# 4.1 - Gene Expression

## Parameter

Parameter Name	Default Value	Parameter Range	Description
REF_FILE			file from which the reference annotation (GTF format) is read
LOAD_CODING	true	{true,false}	flag to dis-/consider transcripts that have an annotated coding sequence
LOAD_NONCODING	true	{true,false}	flag to dis-/consider transcripts that are annotated to be non-coding
PRO_FILE			file to which the simulated expression values are written
LIB_FILE			file to which the expressed transcript molecules are written

## Overview

The "Gene Expression" step employs the annotation specified by REF\_FILE\_NAME and creates an artificial expression profile of the described transcripts. By the flag LOAD\_CODING transcripts with an annotated coding sequence are taken into account, by LOAD\_NONCODING correspondingly those which don't. Results from in silico gene expression are stored in the files specified by the parameters PRO\_FILE respectively LIB\_FILE; if no explicit values are provided for these parameters, then the corresponding files are created in the folder of the parameter file.

## Details

### 4.1.1 - Gene Expression Profile

### 4.1.2 - Transcript Modifications