



ComponentDefinition

Collection - ComponentDefinition

DNA -based

pLAC promoter

CDS

Terminator

RNA-based

CDS mRNA

Protein-based

CDS protein

Small Molecule based

IPTG

ModuleDefinition

Collection - Interaction

Induction

IPTG induces Promoter

Participant

IPTG, Promoter

FunctionalComponent

IPTG

Input

pLAC promoter

Input

Transcription

Output

Transcription

Promoter produces mRNA

Participant

Promoter, RNA Polymerase

FunctionalComponent

pLAC promoter

Input

CDS

Input

Terminator

Input

RNA Polymerase

Input

CDS mRNA

Output

Translation

mRNA produces protein

Participant

mRNA, Ribosome