**A: Heterologous expression with artificial promoter, fixed locus**

Gene to be expressed  

![Diagram showing the process of heterologous expression with artificial promoter, fixed locus.]

**B: Transcriptional reporter from fixed locus**

Promoter/gene to be analyzed  

![Diagram showing the process of transcriptional reporter from fixed locus.]

**C: Transcriptional reporter ectopic locus**

Target gene  

![Diagram showing the process of transcriptional reporter ectopic locus.]

**D: N-terminal mRFP tagging with natural promoter**

Target gene  

![Diagram showing the process of N-terminal mRFP tagging with natural promoter.]

**Markers and Loci**

- **HRS1**
- **HRS2**
- **HRS3**
- **B1**
- **B2**
- **PgpdA**
- **mRFP::Tcyc1Sc**

**Locus Definitions**

- **CDS**
- **F**
- **R**

**DNA Formation**

- **T-DNA formation**

**Additional Details**

- **Random locus in recipient genome**
- **HRS1** coding sequence + term.
- **PromoterX**
- **mRFP**
- **Target gene**
- **ART**