ModuleDefinition

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miR-X Sensing
ComponentDefinitions
     RNA-Based
                      miR-X (miRNA) as Input
                      LacZ mRNA (mRNA)
                      miR-X Binding Site (miRNA Target Site)
                      miR-X Sensor (mRNA)
                           Sequence Annotations
                                lacZ mRNA
                                miR-X Binding Site
                      miR-X Sensing Device (Gene)
     DNA-Based
     Protein-Based
                      LacZ (Enzyme) as Output
Interactions
     miR-X Sensor Degradation (Degradation)
           Participants
                miR-X as Activator
                miR-X Binding Site as Modifier
                miR-X Sensor as Reactant
     miR-X Sensor Transcription (Transcription)
           Participants
                miR-X Sensing Device as Modifier
                miR-X Sensor as Product
     LacZ Translation (Translation)
           Participants
                miR-X Sensor as Modifier
                LacZ as Product
Model
     miR-X_Sensing.xml (SBML, Boolean Logical Framework)
                     if miR-X_i \ge 1
```

