

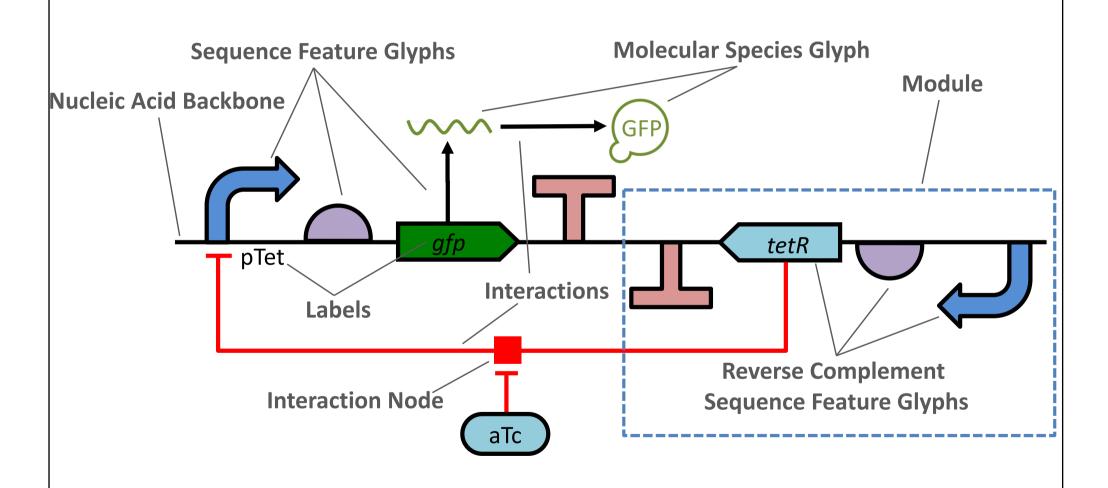
Quick Introduction to SBOL Visual 2.1

May 2019

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Diagram Elements

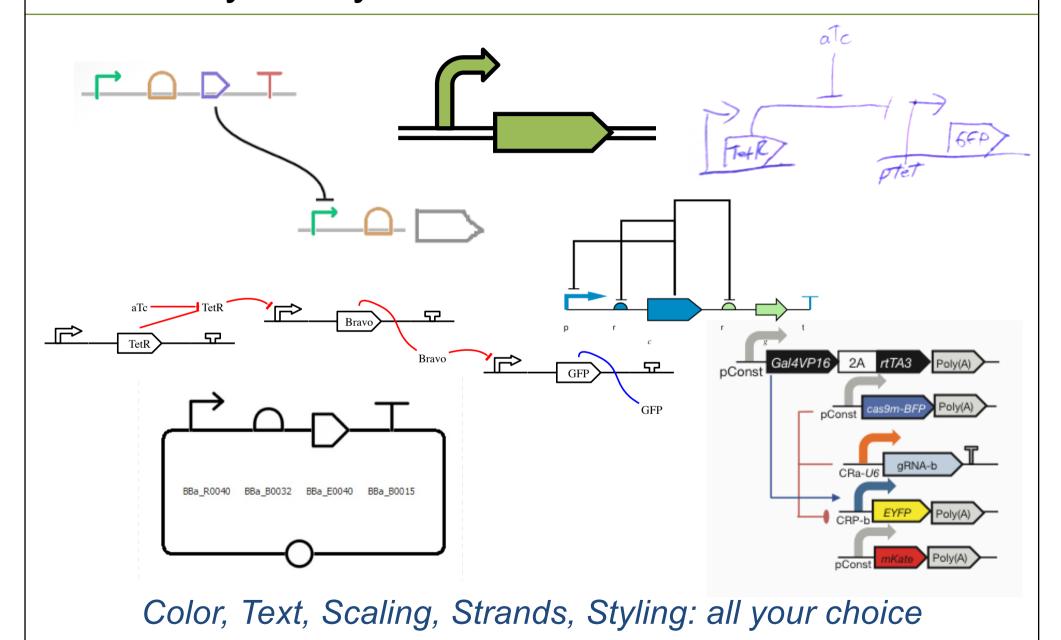




Grey text and lines (including this) are annotations

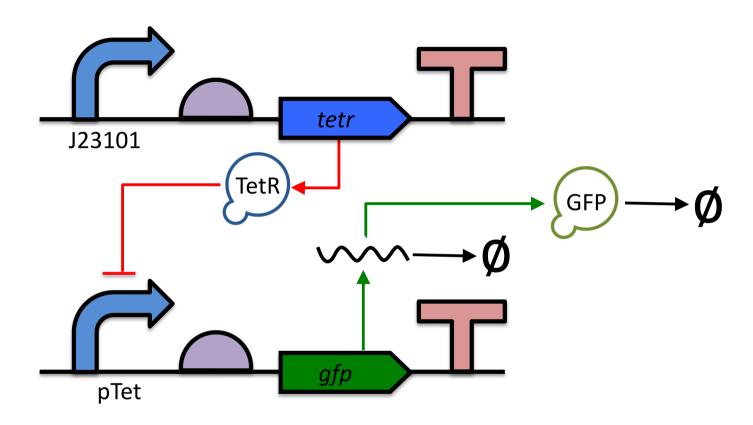
Flexibility of Style





Complex Example Diagram

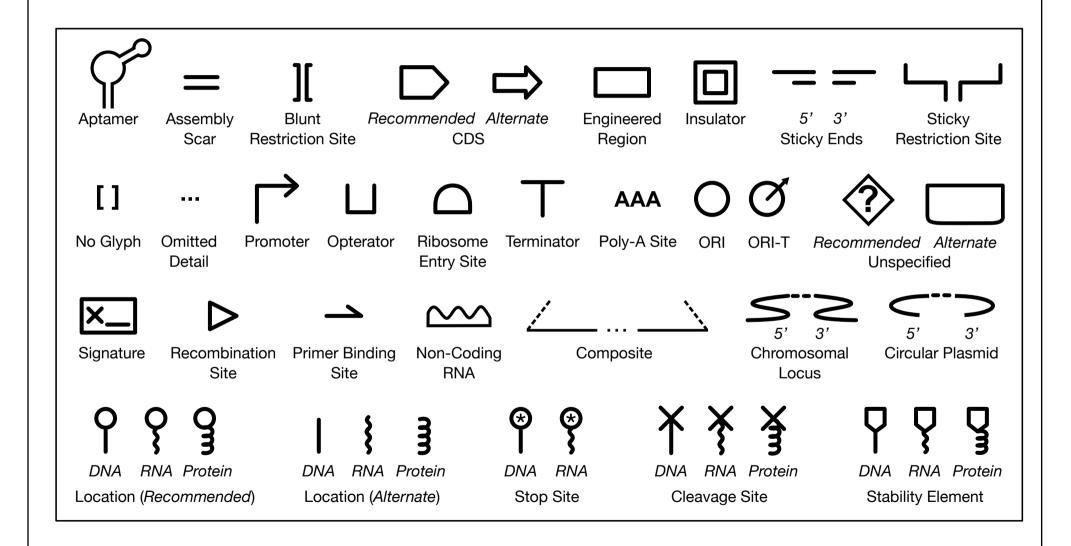




The top functional unit produces the TetR protein constitutively, under control of promoter J23101. TetR represses the pTet promoter, which is regulating production of GFP. The diagram of GFP production explicitly includes the intermediate mRNA and the degradation of both the mRNA and protein products.

Nucleic Acid Glyphs

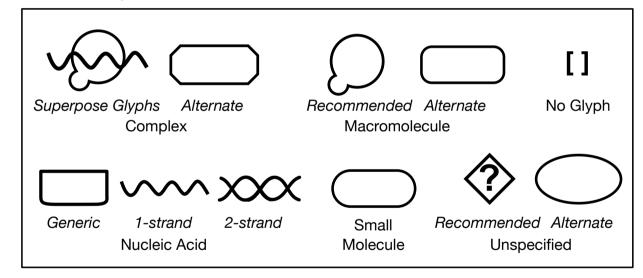




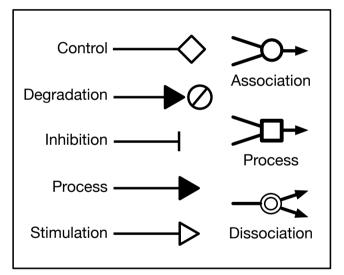
Molecular Species & Interaction Glyphs SB®



Molecular Species



Interactions



Making SBOL Visual Diagrams



- Using your favorite graphics editor:
 - Many glyphs can be drawn directly
 - Glyph set available: http://sbolstandard.org/visual/
- Specialized visualization tools:
 - Pigeon: http://pigeoncad.org/
 - VisBOL: http://visbol.org/design/
 - GraphViz: http://www.graphviz.org/
 - DNAPlotLib: https://github.com/VoigtLab/dnaplotlib

http://sbolstandard.org



- Use the symbols in your papers & talks
- Contribute opinions, use cases, new symbols



Community is open for anyone to join