



## **SBOL Visual Update**



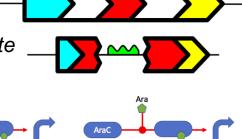
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## **SBOL** Visual 2.1 → 2.2

Raytheon
BBN Technologies

- SBOL Visual 2.1 was released in November, 2018
- SBOL Visual 2.2 nearly ready for release:
  - SEP V015: Change BioPAX to SBO
     BioPAX insufficiently expressive, SBO already used for interactions
  - SEP V016: SEP V016: Introns and Polypeptide Regions
     Importing and refining conventions from UPV's GoldenBraid website
  - SEP V017: Protein, Deprecated Macromolecule, and Alternative Small Molecules
     Macromolecule kept making people think of yeast cells
  - SBOL Visual 2 Ontology
     The old 1.0 ontology was obsolete and needed replacing
    - Pending: update to include participation SBO roles
    - **Pending: CI regression testing for ontology**
  - Pending: Parametric SVG



## **Pending for SBOL Visual 2.3**



- Formal proposals:
  - SEP V018: Interactions with Interaction Nodes
  - SEP V019: Allow Complex to Include DNA Backbone
  - SEP V020: Add 2A Sequences to Protein Cleavage Site
- Open discussions:
  - Glyphs for type IIs / asymmetric endonuclease sites
  - Insulator is too biologically specific
  - Incorporation of protein language
  - Diagrams of variants and libraries
  - Functional RNA glyph language