OUTLINE – IWBDA Abstract

1. Background
   1. Synthetic Biologists need to assemble systems
   2. Biobricks (3a)
   3. SDS Algorithm (Reference)
   4. Needed improvements
      1. More practical solutions
      2. Reusable parts
      3. Testable solutions
2. Structural Testing
   1. Definition (Reference)
   2. Meaning in biology
   3. Sequencing
   4. Gels - Length of intermediates
3. Functional Testing
   1. Definition (Reference)
   2. Meaning in biology
   3. FACS
4. Training Algorithm
   1. Would like to find common useful motifs
   2. Input large library, find the most common motifs
   3. For goal parts, make assembly choices for most common motifs
5. Contributions
   1. Makes use of some biology-based intuition that typically take a biologist time to think out
   2. More useful for a biologist
   3. More practically reusable parts