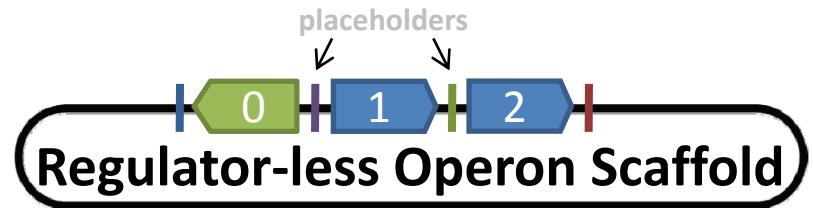
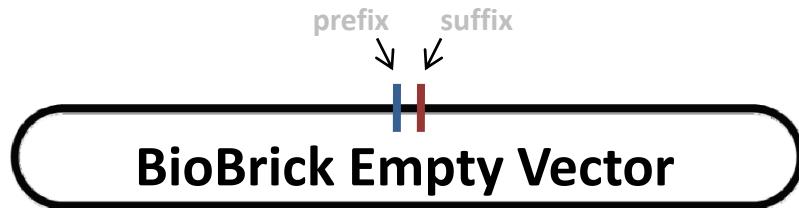


Norman Wang

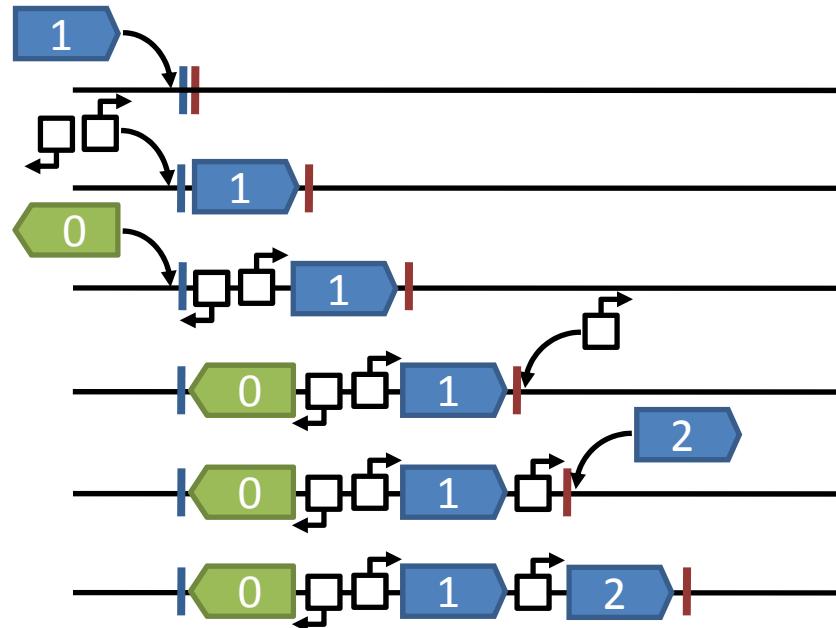
University of Hawaii

ChimeraBrick

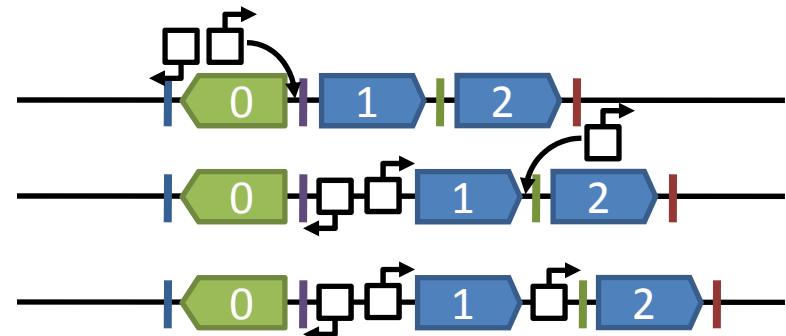
An Extended Placeholder Standard for Operon Assembly & Tuning



Procedural Assembly



Scaffold Assembly



Allow adding most variant parts last!

Built Upon Current Standards

BioBrick

EcoRI
XbaI
Spel
PstI

ChimeraBrick

Mfel
AvrII
NheI
NsI
BsmBI
BsaI

Isocaudomers:

enzyme	prefix	5' overhang	Isocaudomer 3'overhang	postfix
EcoRI (E) Mfel (M)	G C	AATT		C G
XbaI (X) Spel (S) AvrII (A) NheI (N)	T A C G	CTAG		A T G C
PstI (P) NsI (I)	C A		TGCA	G T

Sequence Alignment:

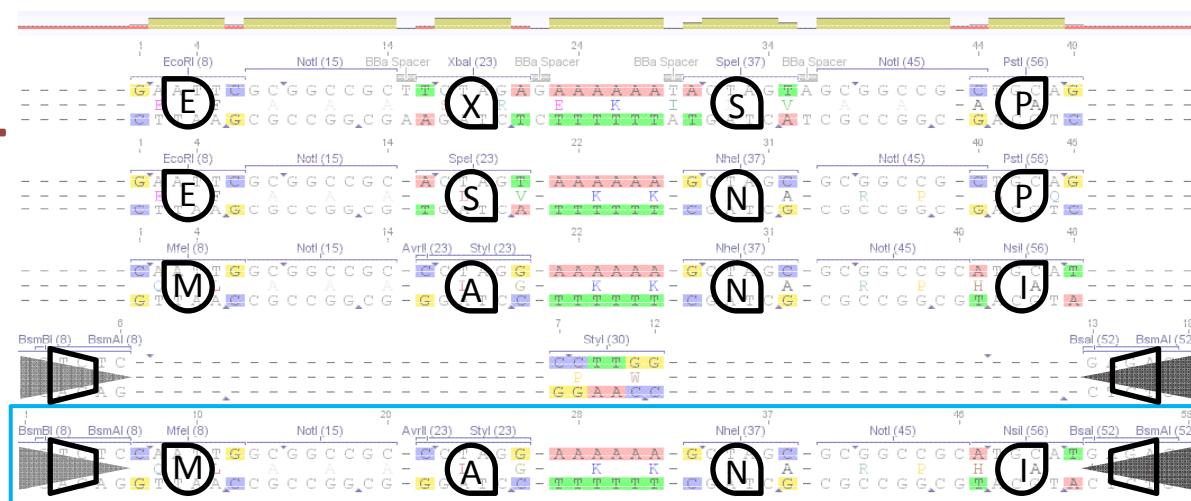
BioBrick, BBa_

BioBrick, BB-2

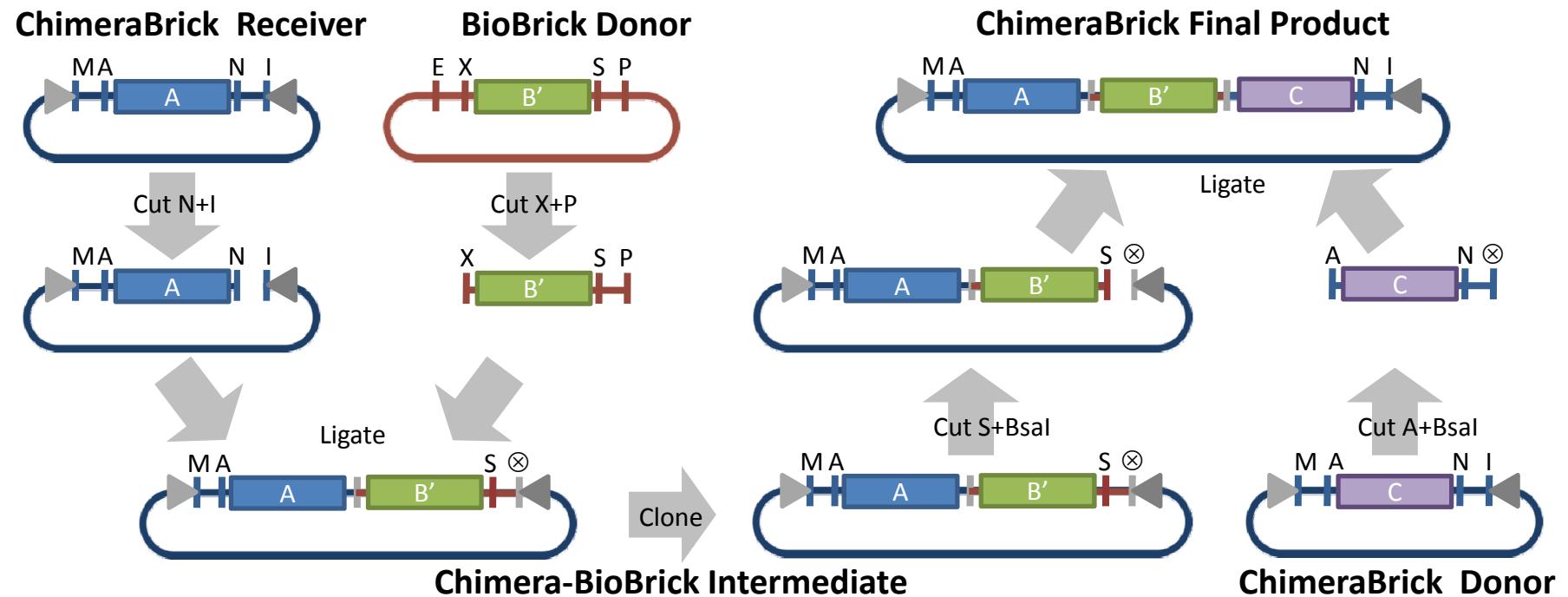
BBa_Isocaudomer

NOMAD

ChimeraBrick



Idempotent Assembly (like BioBricks) & Backward Compatible



Placeholder Nesting

