



e-Zyvec
DNA vectors made easy

Now
Part of **Polyplus⁺**[®]

We are R&D boosters.

We help progress makers.



What makes us different?

A proprietary assembly technology

Regular cloning

Dependence on existing backbones

Only one way to 'insert' your sequence of interest

Requires a stock of various consumables (products)

e-Zyvec Assembly

Total freedom of design

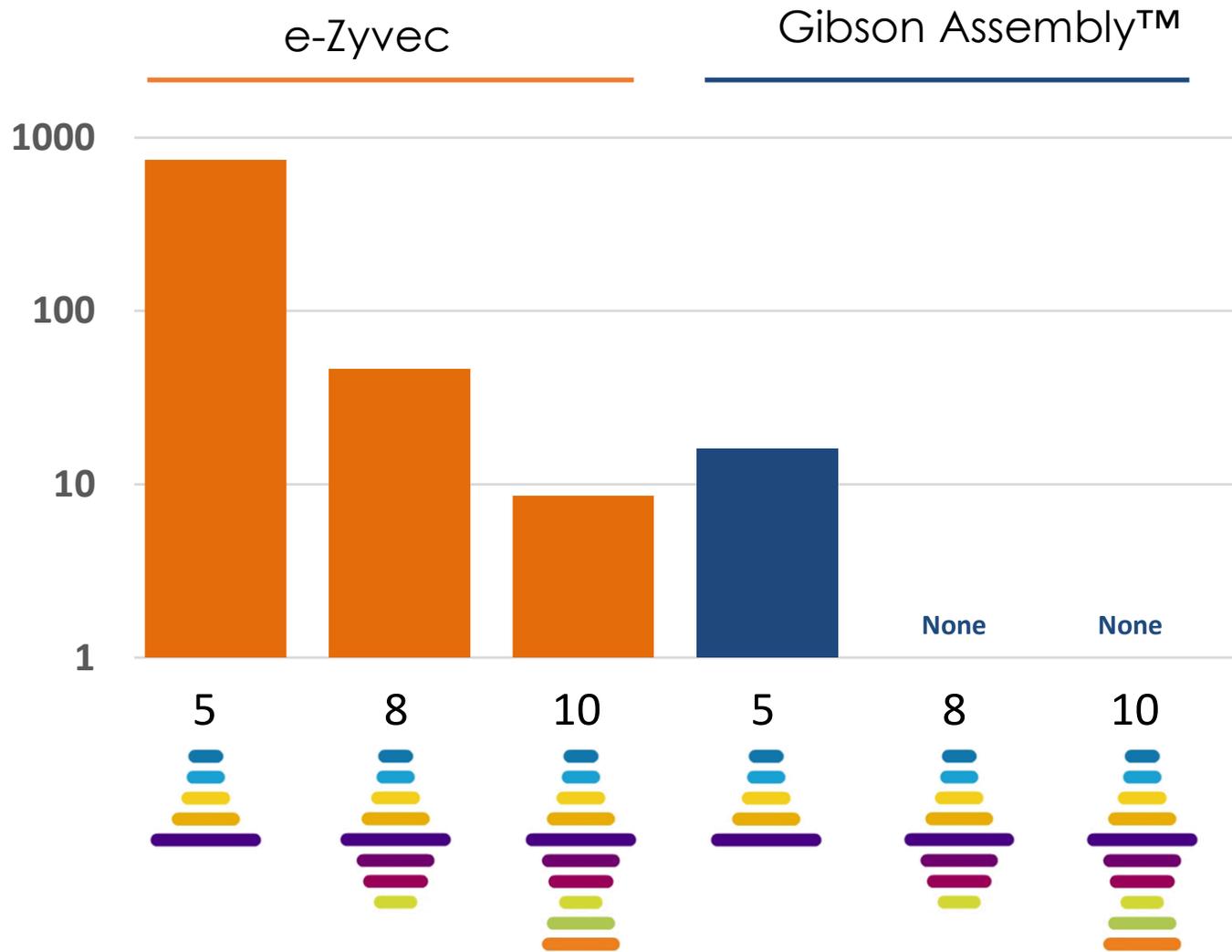
Seamless assembly compatible with sequence repeats and secondary structures

Tailor-made ready-to-use vectors (service)



Can we be *that* good?

Bacterial colonies transformed with correctly assembled vectors



Key numbers:

2000+ vectors since 2017

4 people in production team

240+ projects undertaken

4 molecule not delivered

e-Zyvec's offer: being your multi-purpose vectors provider

Expertise - Consulting

and

Patent – Software – Streamlined production platform



Co-design

- No backbone catalog but...
- Analysis of user's needs

User Validation



Template sourcing

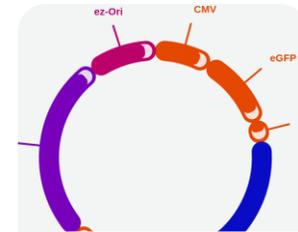
- User plasmids
- Genomic DNA
- Commercial ORFs
- Gene synthesis



Assembly calculation

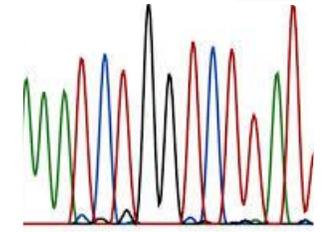
- DNA bricks creation
- Modular assembly optimisation

User Validation



Vector Building

- PCR
- Assembly mix
- Plasmid prep

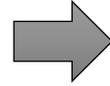


Sequence QC

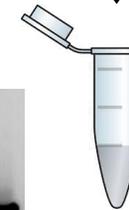
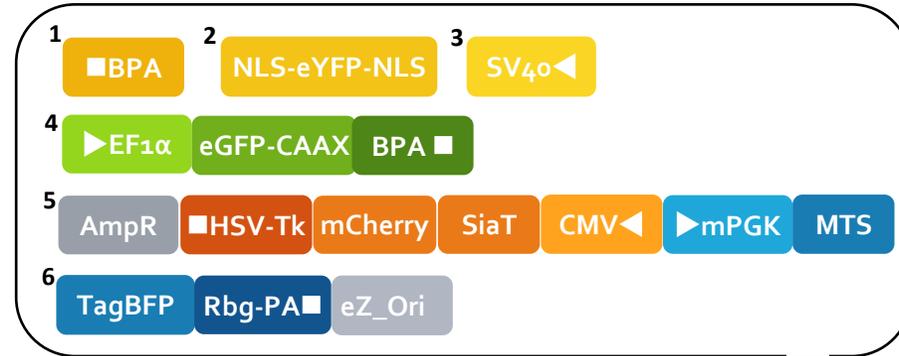
- Restriction print
- Sanger read

Ready-to-use

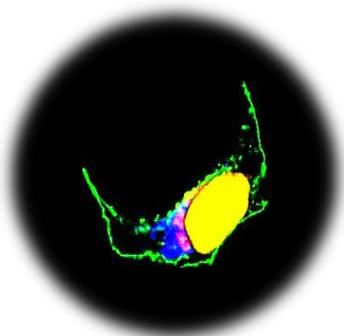
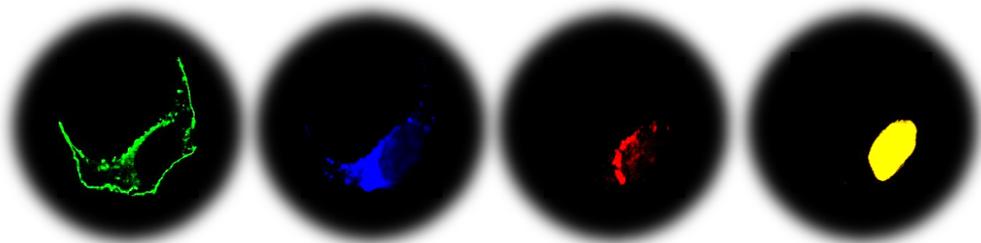
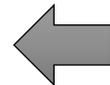
Example 2: multicistronic vectors



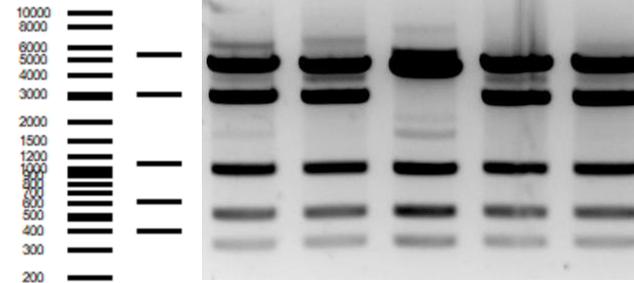
6 DNA Bricks / 16 genetic features



1 tube / 1 step
reaction



Simultaneous expression
Of 4 distinct transgenes



High rate of correct
construct recovery

Don't be shy, have a chat.

If it doesn't exist:
we can build it!



15:05-15:25 **Muriel BARDOR**, Université de Rouen, France
Microalgae as alternative cell factory for the production of monoclonal antibodies

