

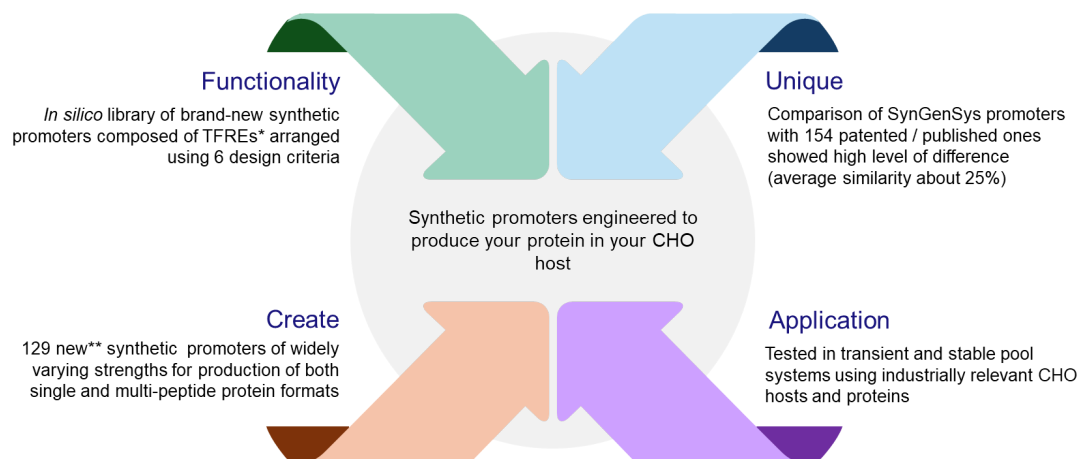
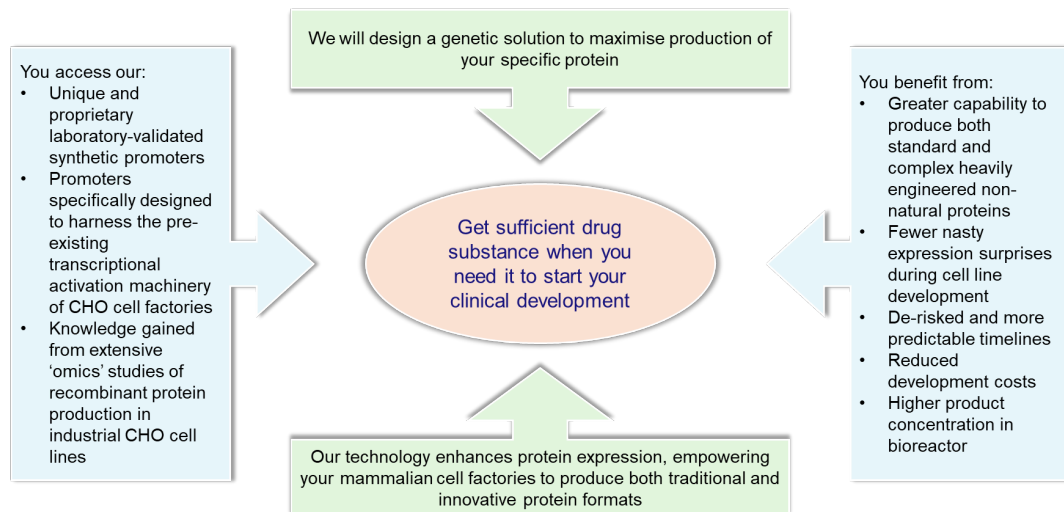
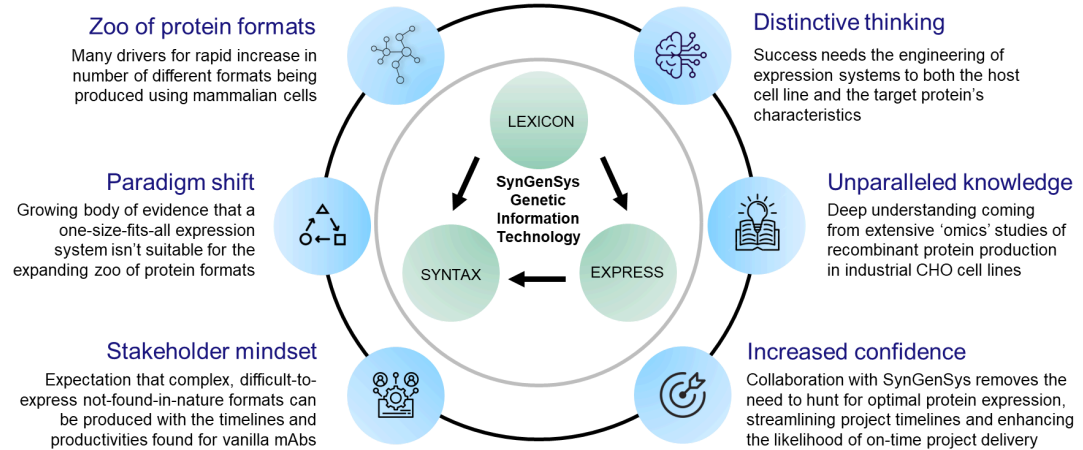
# CHO.SET™ Synthetic Promoters

## Solving Gene & Protein Expression Challenges in CHO Cells

Aligning our capabilities with your needs

Be more confident in your development timelines

Protein production in your CHO cells

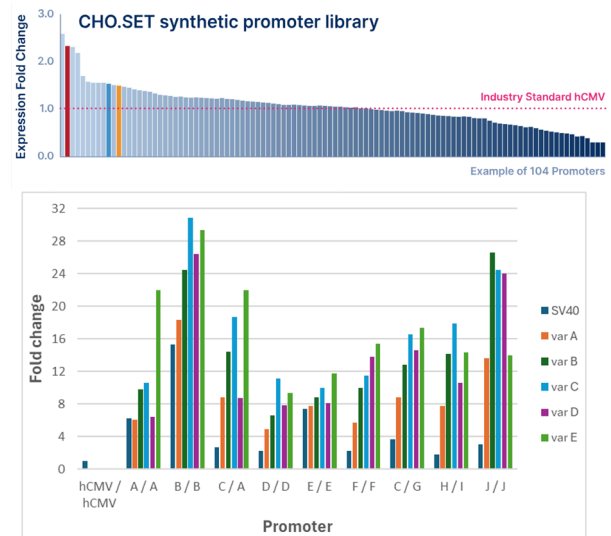


\* TFRE transcription factor response element, a short DNA sequence in promoter or enhancer that binds transcription activator proteins to stimulate transcription  
\*\* Two patent applications filed

# CHO.SET™ Synthetic Promoters

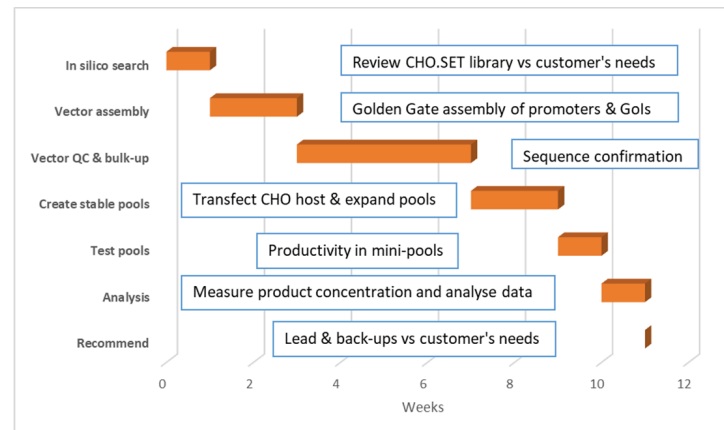
**Novel promoters for enhanced gene & protein expression in CHO cells**

- Large library with broad range of activities
- Promoters stronger and weaker than hCMV and similar strength available
- Superior performance to hCMV demonstrated for both individual promoters and combinations in 7-day batch pools producing trastuzumab
- Combining synthetic SV40 variants to drive GS expression in conjunction with trastuzumab expression driven by CHO.SET™ synthetic promoters resulted in further productivity improvements
- Magnitude of improvement differs between host cell lines for the same product
- Fed-batch data available June '24



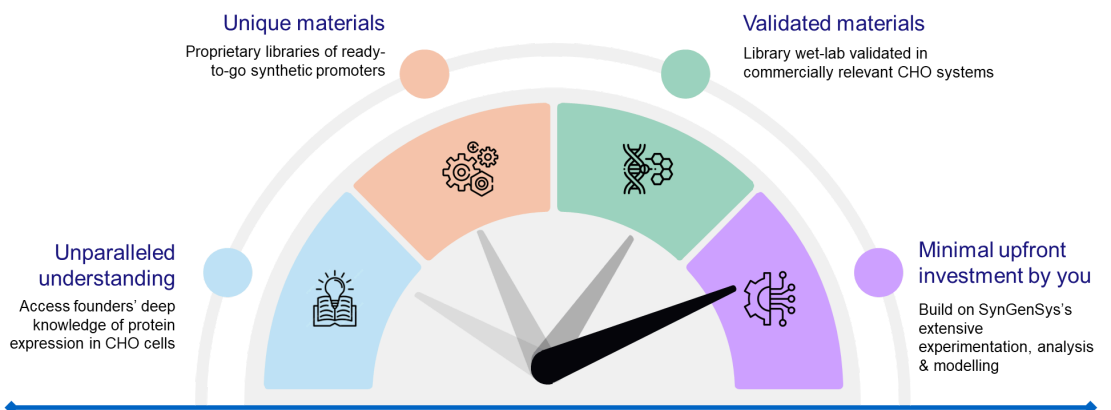
**Similar vector creation timelines to those you are used to**

- From promoter recommendations to lead & back-up expression vectors in 11 weeks \*
- Ready-to-go promoter combinations and materials for use with well-behaved proteins
- De-risk your timelines for poorly behaved proteins by in-parallel testing of a larger & wider combination of synthetic promoters



\* Assumes overhangs on genes-of-interest compatible with SynGenSys's Golden Gate cloning protocol

**Why work with SynGenSys?**



**How to contact us:**

- [licensing@syngensys.com](mailto:licensing@syngensys.com)
- [www.syngensys.com/contact](http://www.syngensys.com/contact)

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