



**UNLOCK PICHIA**  
**PRODUCTIVITY THROUGH DIVERSITY**

## VALIDOGEN's *Pichia pastoris* protein production toolbox



### **Exclusive AOX1 promoter libraries**

Fine-tuned methanol-inducible or methanol-free protein production



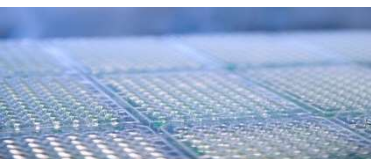
### **Diverse set of platform strains**

Panel of different platform strains tailored for diverse applications



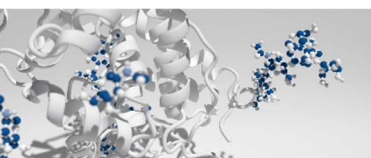
### **Proprietary expression enhancing helper factors**

Enhancement of product yields & quality - helper factor co-expression fine tuned by VALIDOGEN's promoter library



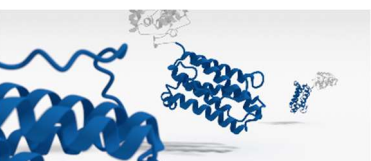
### **High-throughput combinatorial cultivation & screening**

Rapid and reliable generation & identification of high-level production strains meeting protein quality and productivity requirements



### **Glycoengineering tools**

Enhanced glycoprotein production – VALIDOGEN's UNLOCK PICHIA boosting Pichia Glycoswitch®



### **Half-life extension**

HSA fusion proteins – biopharmaceuticals and biobetters with increased half-life