



UNLOCK PICHIA  
PRODUCTIVITY THROUGH DIVERSITY

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



### Exclusive AOX1 promotor libraries

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



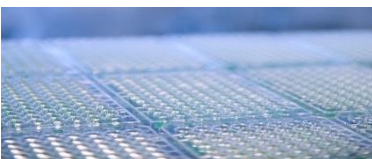
### Diverse set of platform strains

Panel of different platform strains tailored for diverse applications



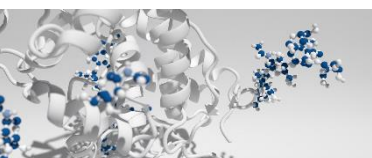
### Proprietary expression enhancing helper factors

Enhancement of product yields & quality through 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 through applying Pichia GlycoSwitch<sup>®</sup> boosted by VALIDOGEN's UNLOCK PICHIA technology



### Half-life extension

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