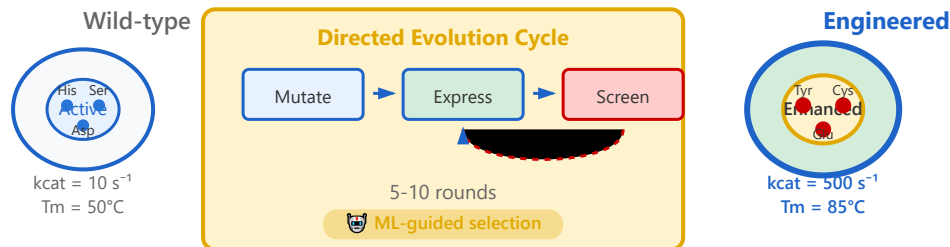


Enzyme Engineering

Directed Evolution & Rational Design



Catalytic Reaction



Industrial Applications



Activity improvement

k_{cat}/K_m optimization

Substrate specificity

Promiscuity engineering

Thermostability

High temperature operation

Solvent tolerance

Organic solvent resistance

Directed evolution

Iterative improvement cycles