SIMULTANEOUS, INTEGRATED SELECTION AND EVOLUTION OF ANTIBODY/PROTEIN PERFORMANCE AND EXPRESSION IN PRODUCTION HOSTS

Abstract

The present disclosure provides methods of integrating therapeutic protein and antibody generation and/or selection, evolution and expression in a eukaryotic host for manufacturing in a single system. Therapeutic proteins, including antibodies, are generated, optimized and manufactured in the same eukaryotic host system. The disclosed system of Comprehensive Integrated Antibody Optimization (CIAO!™) allows for simultaneous evolution of protein performance and expression optimization.