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(54) Title: IMPROVED GLYCOSYLATION OF PROTEINS IN HOST CELLS

(57) Abstract: The invention provides means and methods for an improved production of glycosylated recombinant proteins in lower eukaryotes, specifically the production of human-like complex or hybrid glycosylated proteins in yeast. The invention provides genetically modified eukaryotic host cells capable of producing glycosylation optimized proteins useful as immunoglobulins and other therapeutic proteins, and provides cells capable of producing glycoproteins having glycan structures similar to glycoproteins produced in human cell. The invention further provides proteins with human-like glycan structures and novel compositions thereof producible by these modified cells.



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