SYSTEM AND METHODS FOR ENGINEERING BACTERIA FIT FOR EUKARYOTIC MRNA PRODUCTION, EXPORT, AND TRANSLATION IN A EUKARYOTIC HOST

ABSTRACT

The inventive technology includes novel systems, methods, and compositions for the generation of genetically engineered prokaryotic organisms configured to produce eukaryotic-like mRNA that may be introduced to, and translated in a eukaryotic host. Additional aspects may include novel eukaryotic-like nucleotide constructs and mRNA molecules, as well as methods and systems for the efficient delivery from prokaryotic cells to target eukaryotic hosts cells. Still further aspects of the invention include systems, methods and compositions for the non-integrative transformation of eukaryotic cell.

(No Figure)