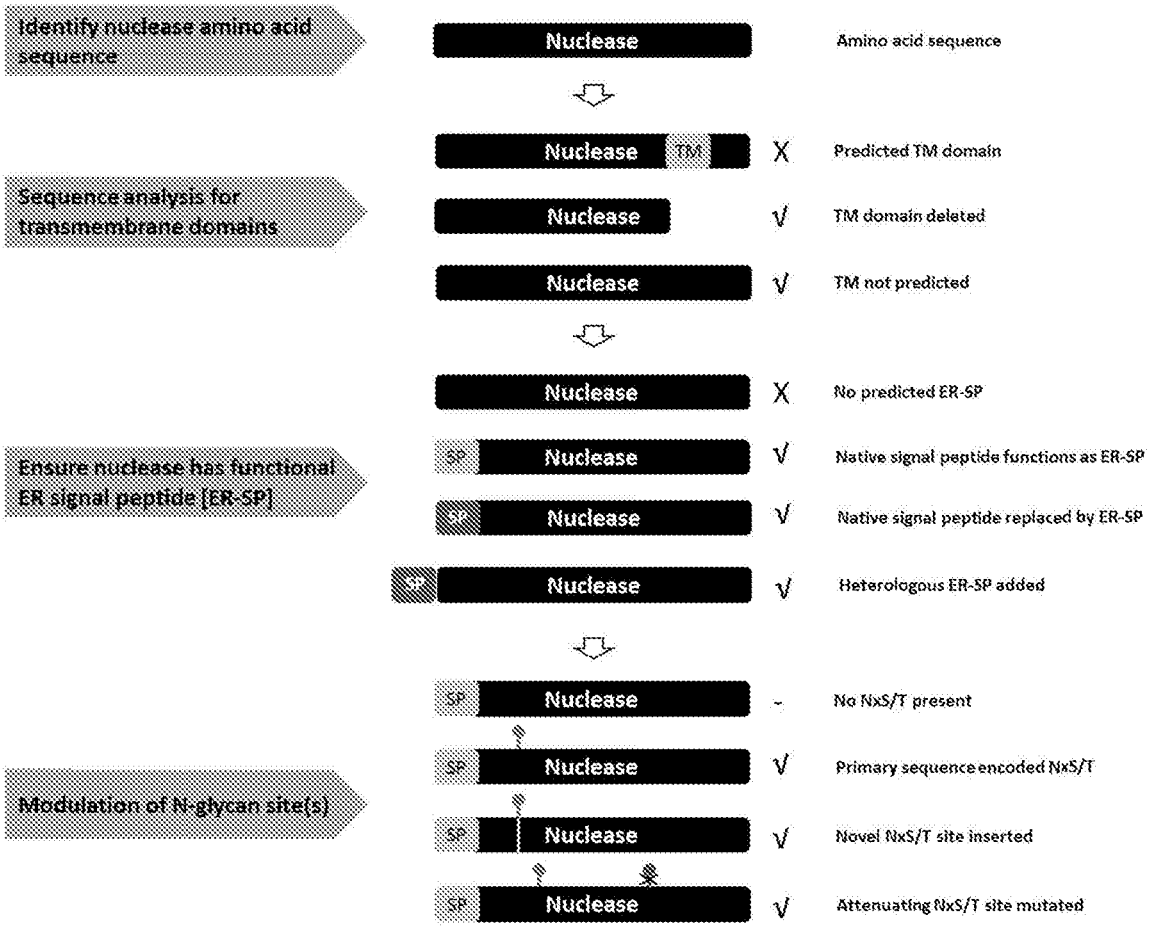
Identify nuclease amino acid sequence
Nuclease
Amino acid sequence
Nuclease
TM
X
Predicted TM domain
Sequence analysis for transmembrane domains
Nuclease
√
TM domain deleted
Nuclease
√
TM not predicted
Nuclease
X
No predicted ER-SP
Ensure nuclease has functional ER signal peptide (ER-SP)
SP
Nuclease
√
Native signal peptide functions as ER-SP
SP
Nuclease
√
Native signal peptide replaced by ER-SP
SP
Nuclease
√
Heterologous ER-SP added
SP
Nuclease
-
No NxS/T present
Modulation of N-glycan site(s)
SP
Nuclease
√
Primary sequence encoded NxS/T
SP
Nuclease
√
Novel NxS/T site inserted
SP
Nuclease
√
Attenuating NxS/T site mutated

FIG. 2