

This invention relates to synthetic leader peptide sequences for secretion of polypeptides in yeast.

DNA expressing cassette, at that it contains sequence of

5'-P-SP-LS-PS-*gene*-(T)_i-3'

where P represents promoter sequence,

SP represents DNA sequence coding signal peptide,

LS represents DNA sequence coding leader peptide of the general formula I:

GlnProlle(Asp/Glu) (Asp/Glu)X¹(Glu/Asp)X²Asnz(Thr/Ser)X³, (I)

where X¹ represents peptide bond of coding amino acid,

X² represents peptide bond or coding amino acid, or sequence to 4 similar or different coding amino acids,

Z represents coding amino acid except, and

X³ represents sequence between 4 and 30 similar or different coding amino acids,

PS represents DNA sequence coding processing site,

gene represents DNA sequence coding polypeptide,

T represents terminator sequence, and

i is equal to 0 or 1.