pc gm12377

FBrf 0161567

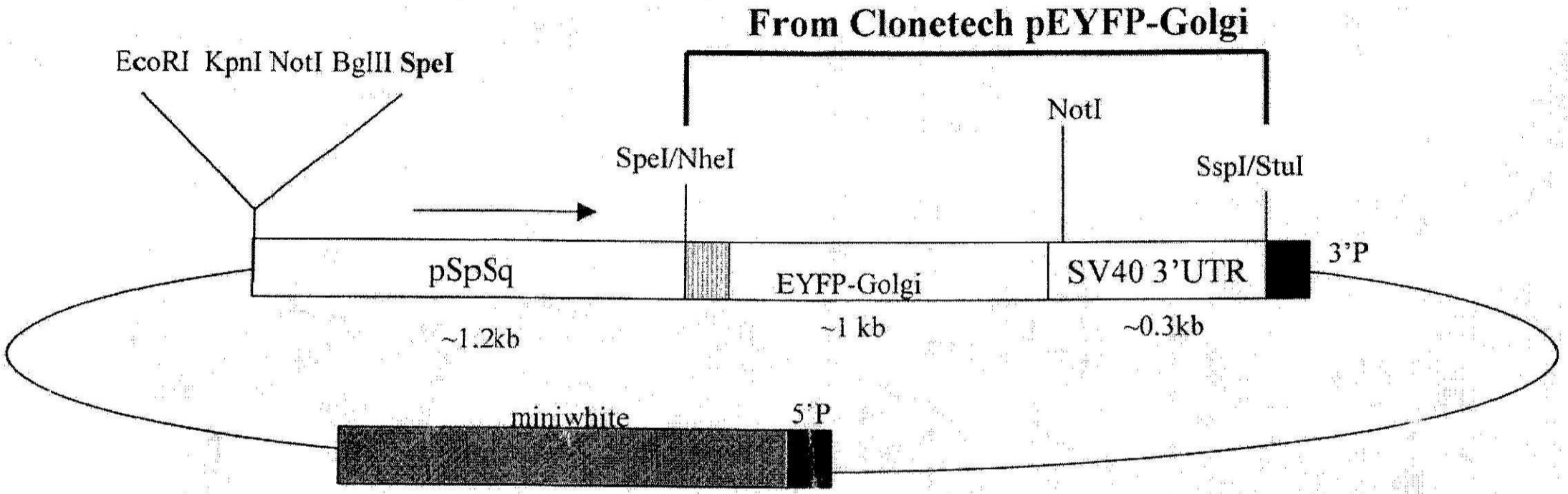
Personal communication from: D. LaJeunesse
To: Bloomington Drosophila Stock Center
Subject: EYFP constructs

Dennis LaJeunesse, U. North Carolina at Greensboro, described three constructs in a poster at the last fly meeting:

Lake, J., Na, C., Buckner, S., LaJeunesse, D.
Organization of intracellular membrane bound compartments.
A. Dros. Res. Conf. 44 2003 :259A
FBrf0155063

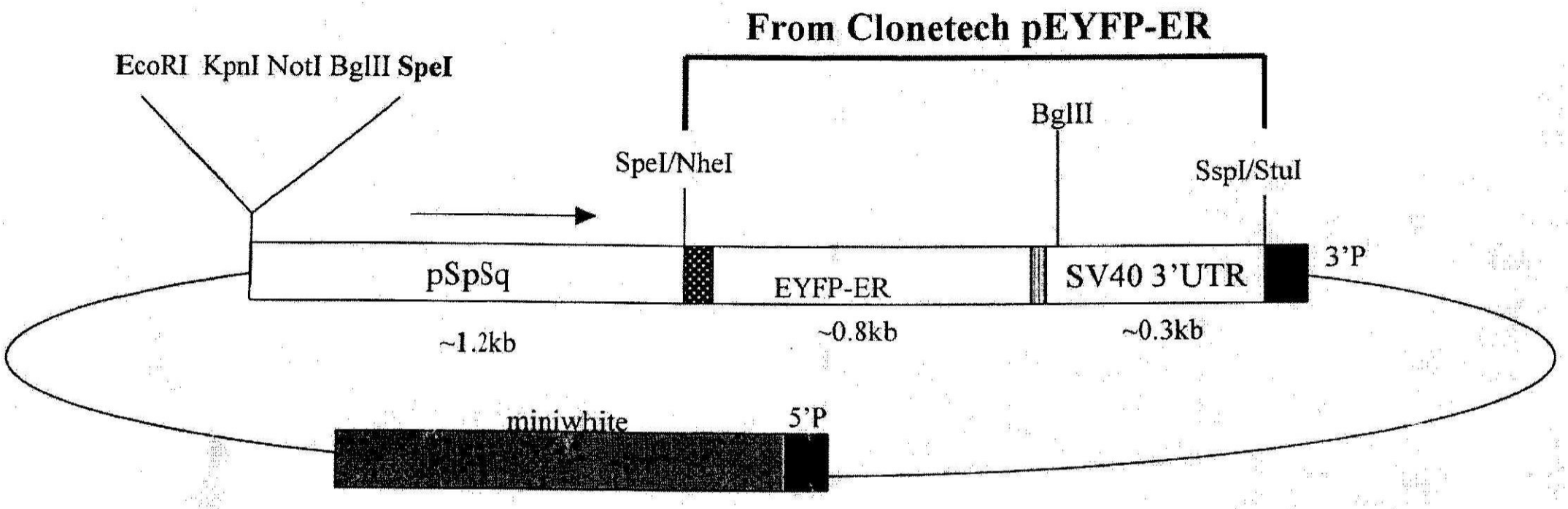
The constructs encode EYFP with sequences that target the protein to the mitochondria, the Golgi or the endoplasmic reticulum. The "pSpSq" sequence in the vectors is the promoter from the spaghetti squash (sqh) gene, which is expressed ubiquitously.

[FlyBase curator comment: Diagrams of the 3 constructs are archived at FlyBase and can be obtained by e-mailing: [redacted]]



Casper 4 SpSqEYFPGolgi (not to scale)

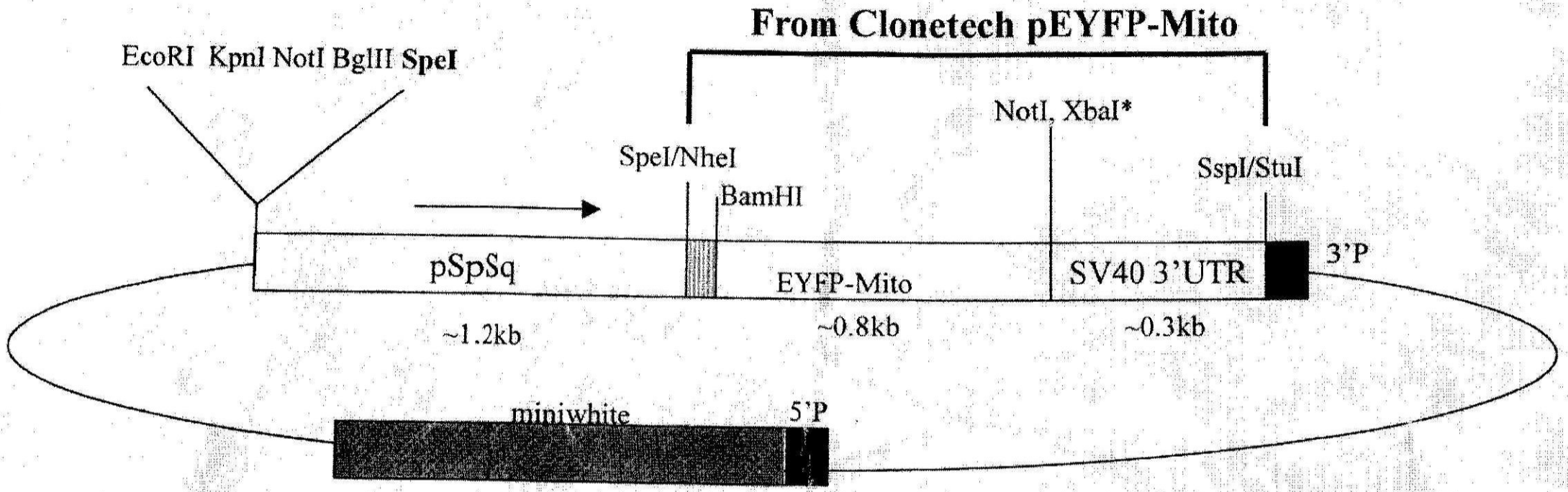
81 amino acid of Human-GT precusor



Casper 4 SpSqEYFP-ER (not to scale)

Calrecticulin target seq.

KDEL retention seq.



Casper 4 SpSqEYFP-Mito

Mitochondrial targeting sequence