

ABSTRACT

Metazoan SR proteins is a group of proteins involved in splicing. They are RNA-binding proteins characterized by the presence of serine and arginine-rich domain. The yeast, *Saccharomyces cerevisiae*, encodes genes for proteins that are similar in amino acid composition and structure to the group of SR proteins and are therefore called SR-like proteins. There are three proteins with RS domain in yeast: Npl3, Gbp2 and Hrb1. These proteins have been shown to have many functions, including, in addition to splicing, quality control of spliced mRNAs and their export from the nucleus to the cytoplasm. This Bachelor's thesis will deal with these three yeast proteins and their role in splicing, export and degradation.