



Library Indian Institute of Science Education and Research Mohali



DSpace@IISERMohali (/jspui/)
/ Thesis & Dissertation (/jspui/handle/123456789/1)
/ Master of Science (/jspui/handle/123456789/2)
/ MS Dissertation by Int. PhD (/jspui/handle/123456789/4303)
/ MS Dissertation by MP-2018 (/jspui/handle/123456789/4313)

Please use this identifier to cite or link to this item: <http://hdl.handle.net/123456789/3909>

Title:	Role of the unconventional UBL Hub1 in pre-mRNA splicing
Authors:	Nivedha, B. (/jspui/browse?type=author&value=Nivedha%2C+B.)
Keywords:	UBL Hub1 mRNA Pre-mRNA
Issue Date:	28-Jun-2021
Publisher:	IISERM
Abstract:	Pre-mRNA splicing by the spliceosome is one of the steps where regulation of gene expression occurs. Various ubiquitin-like proteins (UBLs) have been shown to regulate pre-mRNA splicing. The UBL Hub1 is known to play a role in alternative splicing in <i>Saccharomyces cerevisiae</i> through its well-known surfaces. This study shows that the recently identified novel surface of Hub1 in <i>Schizosaccharomyces pombe</i> plays a significant role in cell growth and splicing. The various approaches of bioinformatic analysis, genetics and splicing assays suggest a possible link between Hub1 and transcription. This study also shows that Hub1 selectively modifies the spliceosome and that it might play a role in the transition of the spliceosome. Therefore, this study addresses the mechanism and function of Hub1 in <i>Schizosaccharomyces pombe</i> .
URI:	http://hdl.handle.net/123456789/3909 (http://hdl.handle.net/123456789/3909)
Appears in Collections:	MS Dissertation by MP-2018 (/jspui/handle/123456789/4313)

Files in This Item:

File	Description	Size	Format	
MS thesis (MP18002).pdf (/jspui/bitstream/123456789/3909/3/MS%20thesis%20%28MP18002%29.pdf)		1.27 MB	Adobe PDF	View/Open (/jspui/bitstream/123456789/3909/3/MS%20thesis%20%28MP18002%29.pdf)

[Show full item record \(/jspui/handle/123456789/3909?mode=full\)](#)

[Statistics \(/jspui/handle/123456789/3909/statistics\)](#)

Items in DSpace are protected by copyright, with all rights reserved, unless otherwise indicated.