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Molecular Biotechnology Programme
Uppsala University School of Engineering

UPTEC X 13 012	Date of issue 2013-06	
Author	Linnea Jonsäll	
Title (English)	Mutational analysis of the csgD mRNA leader: search for a mode of regulation	
Title (Swedish)		
Abstract	<p>The CsgD protein is the master regulator of a pathway leading to the formation of curli, in essence regulating the switch between a motile and a sessile lifestyle for bacteria. The 5'-UTR region of the csgD mRNA is a hotspot for multiple regulatory small RNAs (sRNA) involved in a complex regulatory network. Even though it is previously known how the interaction takes place it is unknown how sRNA binding affects the translational activity. In order to suggest a mode of regulation a mutational assay was performed by making changes in the csgD 5'-UTR and investigate what the translational effects were. Mutations in different regions are shown to affect the translation levels in various ways.</p>	
Keywords	Regulatory small RNA, enterobacteria, CsgD, OmrA, OmrB, mutational analysis, <i>in vivo</i> and <i>in vitro</i> translation assay	
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Project name	Sponsors	
Language English	Security	
ISSN 1401-2138	Classification	
Supplementary bibliographical information	Pages 45	
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