

Regulation of rat HspB5/alphaB-Crystallin by microRNAs miR-101a-3p, miR-140-5p, miR-330-5p and miR-376b-3p

Cell Stress and Chaperones

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Online Resource 2: miRNAs downregulated after stress in microarray expression analysis.

miRNAs downregulated more than twofold (<0.5) after heat shock (HS) and sodium arsenite (NaArs) stress or more than fivefold (<0.2) after one stress in rat hippocampal neurons and location of their predicted binding site in the HspB5-mRNA (CDS - coding sequence; UTR - untranslated region).

	change relative to control		location of binding site
	<u>HS</u>	<u>NaArs</u>	
rno-miR-22-5p	0.55	0.12	CDS
rno-miR-140-5p	0.30	0.20	5'UTR
rno-miR-144-3p	0.39	0.39	none
rno-miR-146a-5p	0.37	0.34	CDS
rno-miR-181a-1-3p	0.63	0.17	none
rno-miR-376a-5p	0.48	0.41	CDS
rno-miR-376b-5p	1.36	0.19	3'UTR
rno-miR-455-5p	0.48	0.15	3'UTR
rno-miR-743a-3p	0.39	0.47	5'UTR
rno-miR-802-5p	0.48	0.44	3'UTR