



RNA sample

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Field strength: 800 MHz

Why is this your favorite spectrum?

RNA thermometers control the translation of several heat shock and virulence genes by their temperature-sensitive structural transitions. Changes in the structure and dynamics of MiniROSE RNA, which regulates translation in the temperature range of 20-45°C, were studied by NMR. Temperature dependence of the imino-proton region of the 1D ^1H NMR spectra of the wild-type (A) and the loop-mutant (CUUG change to UUCG; (B)) of the MiniROSE RNA in the temperature range of 288-318 K.