

Dr. Tobias Hainzl
University of Umeå
Center for molecular pathology (UCMP)
901 87 Umeå, Sweden
Tel.: +46 90 785 6783
FAX: +46 90 778007
Email: tobias.hainzl@ucmp.umu.se



MX-625 Report

We analysed cryo-cooled crystals ($0.02 \times 0.1 \times 0.1 \text{ mm}^3$) of the S-domain of SRP of *M.jannaschii* - consisting of 7S.S RNA, SRP19 and full-length SRP54, bound to the SRP receptor (SR) - on beam line ID29, ESRF, Grenoble in experiments conducted 29-30 November 2006. These crystals diffracted to 7.5 \AA . Diffraction data were processed using the program MOSFLM. The crystals belong to space group C222 with cell parameters $a = 141 \text{ \AA}$, $b = 272 \text{ \AA}$, $c = 164 \text{ \AA}$. The structure of the complex comprising the 7S.S RNA bound to SRP19 alone is currently used in molecular replacement searches with the program CNS.