



	Experiment title: HCV non structural protein 3	Experiment number: LS1517
Beamline: ID14 EH1	Date of experiment: from: 20/11/99 to: 21/11/99	Date of report: 29.02.00
Shifts: 1	Local contact(s): H. Belrhali	<i>Received at ESRF:</i>
Names and affiliations of applicants (* indicates experimentalists): Martin Walsh, Cara Vaughan IRBM, Rome		

Report:

Background: The complete non structural protein 3 (NS3) of HCV is a bifunctional enzyme with protease and helicase activities. The NS3 serine protease processes the HCV polyprotein by both cis and trans mechanism. The mechanism by which this occurs is not known and thus the elucidation of the structure of the full length protein is an important step in our understanding of the role of this protein in the processing of the viral polyprotein.

Results: Heavy atoms derivatives (Uranium and mercury) were screened. All soaked crystals diffracted to approximately 15 Å or less. No useful data were collected.