



	<b>Experiment title:</b> PROTEIN CRYSTALLOGRAPHY AT AFMB-CNRS, MARSEILLE	<b>Experiment number:</b> LS1657
<b>Beamline:</b> ID14-2	<b>Date of experiment:</b> from: 03.03.00                      to:                      04.03.00	<b>Date of report:</b> Aug00
<b>Shifts:</b> 3	<b>Local contact(s):</b> Sigrid Sturman	<i>Received at ESRF:</i>
<b>Names and affiliations of applicants (* indicates experimentalists):</b>  Silvia SPINELLI*, Christian CAMBILLAU		

## Report:

Protein name: VHH R9 anti RR6 (red dye) unliganded  
Size: 12.000 Daltons, 120 aa

.Data collection of unliganded VHH R9  
Crystals were frozen to 100K, without cryoprotectant.  
The crystals belong to the space group I4132, with cell dimensions  
 $a=b=c=124.33$  A,  $\alpha=\beta=\gamma=90.0$   
A data set was collected to 100K, with an exposure time of  
4 s per degree

.The 3-dimensional structure was determined with MR using as  
search model a lama single domain VHH antibody fragment R2  
against the RR6 dye (PDB code:1qd0). The refinement using CNS is  
underway.

Details of data collection and refinement are shown in the table  
below.

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Total number of observation	413135
number of unique reflections	12620
overall % data > 1 sigma (last shell)	99.8(99.8)
overall R-merge (%) (last shell)	4.0(19.5)
overall I/sigma(I) (last shell)	15.0(3.5)
resolution	20.0-1.93 A

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