



**Experiment title:** FRANKFURT BAG:  
**ATOMIC MECHANISMS OF MEMBRANE  
PROTEINS**

**Experiment  
number:**  
MX-450

<b>Beamline:</b> ID14-EH1	<b>Date of experiment:</b> from: 03-SEP-2005 8:30 to: 04-SEP-2005 8:00	<b>Date of report:</b> 30-JAN-2006  <i>Received at ESRF:</i>
<b>Shifts:</b> 3	<b>Local contact(s):</b> Dr. Joanna TIMMINS	

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**Report:**

**Variant Photosynthetic Reaction Center from *Rhodopseudomonas viridis*  
(H. D. Juhnke\*, C.R.D. Lancaster)**

The beam time was devoted to recording several data sets of a variant photosynthetic reaction centers from *Rhodopseudomonas viridis*. The best data set is summarized in Table 1. Refinement is in progress.

**Table 1. Best diffraction data set collected at ESRF ID14-EH1 on a crystal of variant *Rp. viridis* RC (P<sub>4</sub><sub>3</sub>2<sub>1</sub>2, a = b = 224.3 Å, c = 113.6 Å)**

Data set	resol. range [Å]	redundancy	unique reflections	complete [%]	R <sub>sym</sub> [%]
RC09III_C9	10.0-2.30	3.4	125,472	99.4	6.7
	2.35-2.30	3.4	8,280	99.4	29.5