ESRF	**Experiment title:** Cambridge MRC Block Allocation Group **Structure of complexes between nucleoporin FxFG repeats and nuclear transport factor 2 (NTF2)**	**Experiment number:** LS-1525
Beamline: 14-4	**Date of experiment:** from: 16 Sep 99 to: 17 Sep 99	**Date of report:** 28 Feb 00
Shifts: 1	**Local contact(s):** Sean McSweeney	*Received at ESRF:*

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Preliminary Report:

We collected a 2.5 Å resolution native data for hexagonal crystals of a complex between yeast NTF2 and the FF5 FxFG repeat construct of yeast Nsp1p. Subsequent processing showed these data had P6 symmetry but we a prefect merohedral twin, probably deriving from a twinning operation along c with an underlying P3 or P31 symmetry. The meroherdal twinning has frustrated attempts at obtaining a molecular replacement solution.

We also collected a 3.2 Å resolution native data set from P32 crystals of ratNTF2 complexed with a FxFG repeat peptide. However, radiation damage prevented a full data set being collected. However, when we used intense exposures, spots could be seen past 2.2Å.

A manuscript describing this work has been submitted for publication.