

**Experiment title:**

Drosophila p53

Experiment**number:****MX-690****Beamline:**

ID14 3

Date of experiment:

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Report:

This experiment involves determining the structure of a mutant form of the drosophila transcription factor p53 (dmp53). The molecule of interest contains both the dna-binding domain (DBD) and the oligomerization domain, and we hypothesized that it would crystallize as a homo-dimer. Previously, we obtained a few frames of diffraction to 3.0 angstroms using an in-house x-ray source. Currently we are attempting to refine the crystal conditions in order to get better diffracting crystals. The crystals that were brought to the ESRF for this visit were small, on the order of 50-100 microns.

Unfortunately for this visit, none of the crystals that were brought to the beam gave usable diffraction patterns. Since that time, we are continuing to screen and refine conditions in order to grow better diffracting dmp53 crystals.