ESRF	**Experiment title: Macromolecular Crystallography at South-East Andalusia**	**Experiment number**: MX-1830
Beamline: ID30A-1	**Date of experiment**: From: 22 August 2017 to 22 August 2017	**Date of report**: 19/10/17
Shifts: 1	**Local contact(s)**: Bowler M.	*Received at ESRF:*

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Partial Report of MX1830 ID30A (22-08-2017):

This partial report corresponds to the data collected at ID30A during 24th August from the incomplete collection from MX1830 22th July shift. We sent a Dewar with 50 samples from the Almeria University (UAL) and, owe to summer beam shutdown, only 40 samples were measured. Here we report the results obtained from the crystals measured the 22th August.

1. Chimeric constructions of the c-Src and Fyn SH3 domain. We have cloned some chimeric constructions of the c-Src-SH3 domain where the RT- and/or n-Src loops belonging to this SH3 domain have been interchanged by those present in the homologous Fyn-SH3 domain. In this way, we have obtained three different chimeras: SF-RT, SF-Src and SF-2X, which correspond to the replacement of the RT loop alone, the n-Src loop alone and replacement of both loops, respectively. Also we have obtained the chimeric constructions of the Fyn-SH3 where the loops have been replaced for those preset in the c-Src-SH3 domain. We have obtained crystals from SF-Src that diffract at atomic resolution (~1Å). In the case of the FS chimeric constructions (Fyn SH3 domain where the loops have been interchanged by those in the c-Src-SH3 domain), we have measured up 10 crystals diffracting at atomic resolution. Unfortunately, some crystals have been measured with low completeness. It would be advisable to change the strategy of the automatic collection to collect a broad angle to avoid this problem.

Results obtained from this shift are summarized in Table 1.

Table 1.- Data collected by the UAL lab on August 22th , ID30A

Crystal	Samples/ Diffraction	Crystallization	Diffraction	Space group/cell
FS-Src	9/8	Ammonium sulfate pH 4-6	1.12 Å (*)	P212121/ 28 32 60 90 90 90

(*) The completeness in the outer shell is lower than 50 % in most of the crystals.