

Pseudomonas aeruginosa is an opportunistic human pathogen which infects injured, immunodeficient, or otherwise compromised patients. Under iron-limited conditions, the bacterium secretes different siderophores such as the pyochelin (MM < 2000 Da). The pyochelin is transported across the outer membrane by the pyochelin receptor FptA (MM: 75000 Da). To date, the biochemistry of FptA is not very known contrary of the one of FpvA which is another siderophore receptor from *P. aeruginosa* also involved in the iron transport but using the pyoverdine.

During the experiment 30-01-661, 2 datasets were collected from two crystals grown in different crystallization conditions. The data were processed and scaled using Denzo/Scalepack and XDS. The crystallographic data are summarized in the Table 1.

Table 1: summary of the crystallographic data

	Crystal 1	Crystal 2
Data processing/scaling	Denzo/Scalepack	XDS
Wavelength (Å)	0.979784	0.979784
Resolution (Å)	3.2	2.6
Space group	P1	P2 ₁ 2 ₁ 2 ₁
Cell parameters (Å)	85.165 98.792 94.574 62.318 63.081 69.933	75.989 84.904 162.755
Number of reflections	41875	219192
Unique reflections	32410	33111
Completeness (%)	82	99.9
Rsym (%)	11.5	12.5