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Structural analysis of α-helix-rich intermediate of src SH3 on its folding pathway

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SH3 domain proteins form β -rich structures, and most of them do not contain α -helices. However, surprisingly, src SH3 domain forms α -helix-rich intermediate on its folding pathway. We have analyzed the transient structure of the intermediate by GASBOR²⁾ and SAXS-MD³⁾ program. Results will show at the poster.

1) Li et al. (2007) Biochemistry, (2001) 46, 5072-5082

2) Svergun et al. (2001) Biophys. J, 80, 2946-2953.

3) Kojima et al. (2004) J. Applied Crystallogr., 37, 103 – 109.