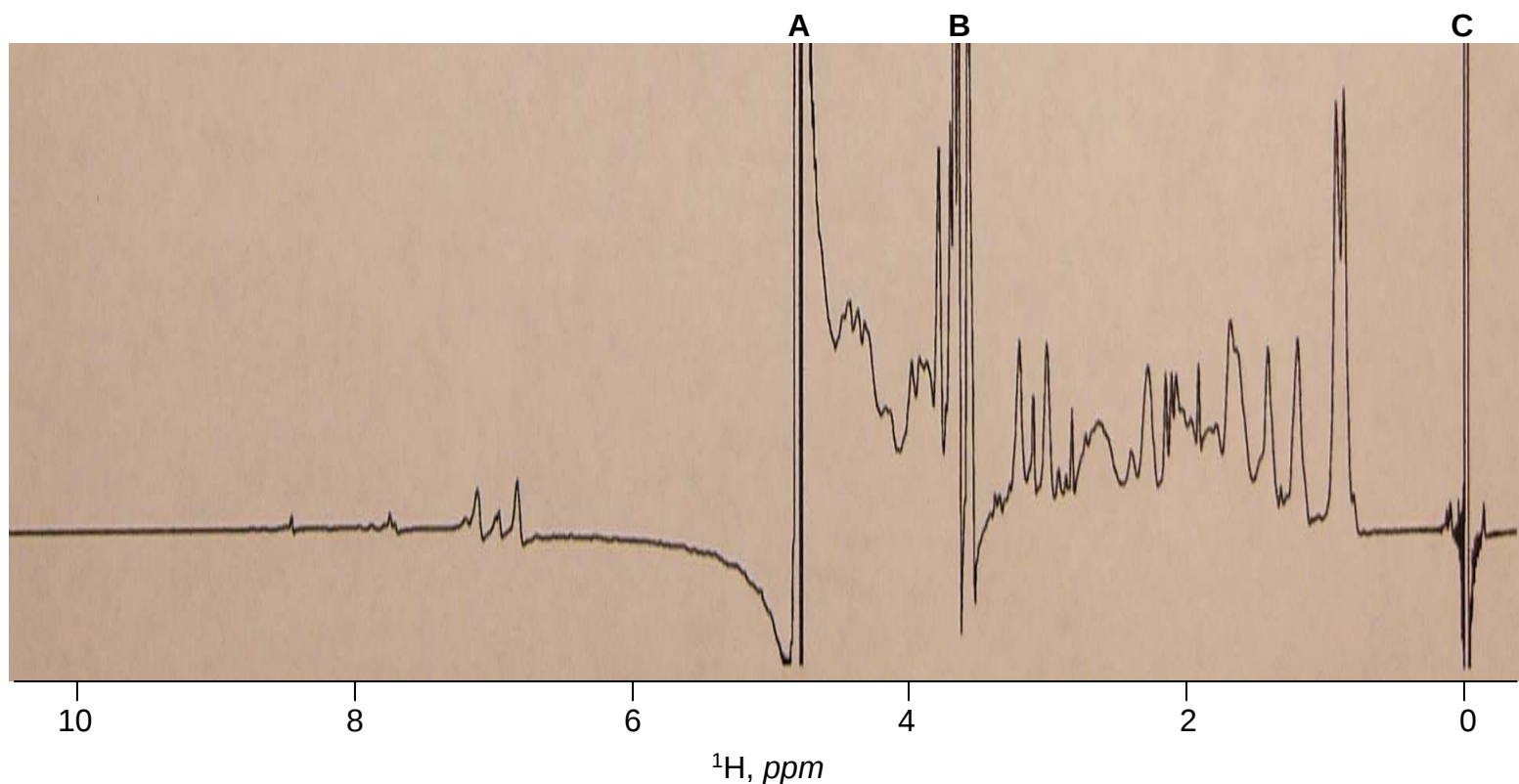




Supplementary Figure 1. 500 MHz ^1H NMR spectrum of supervillin fragment M. The NMR lines labeled on top are: water signal (A), buffer (B), chemical shift reference, TMSP, (C). Supervillin fragment M contains no tryptophan residues, therefore no tryptophan-specific side chain signals are expected at around 10 ppm or downfield.

Experimental conditions: 20 mM d-PIPES (pH 7.5), 5 mM CaCl_2 , 10 mM d-DTT, 1 mM TMSP, 0.01% NaN_3 , 10% D_2O , 100 mM KCl, 2 mM MgCl_2 . KCl and MgCl_2 were added for conformity with Chen, et. al, 2003.

No detectable NMR signals originating from supervillin fragment M can be observed in agreement with the intrinsically disordered nature of the polypeptide.