

Table S1. Chemical properties of aS dimers.

	<i>amino acids</i>	<i>Theoretical pI</i>	<i>Experimental MW (Da)^a</i>	<i>Average MW (Da)^b</i>
aS	140	4.7	14461.1 \pm 0.7	14460.1
NN	280	4.7	28926.3 \pm 0.5	28927.2
CC	284	4.7	29240.2 \pm 0.3	29239.6
NC	282	4.7	29145.5 \pm 0.1	29145.5
DC	216	5.2	21969.5 \pm 0.1	21969.7

^a Experimental molecular masses determined by ESI-MS.^b Molecular masses calculated from the amino acid sequence of proteins.