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## The role of salt and shear on the storage and assembly of spider silk proteins

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Appendix A. Supplementary data.

**Table 1**

$\beta$ -sheet content of the aggregates of (AQ)<sub>12</sub>NR3, (AQ)<sub>24</sub> and (AQ)<sub>24</sub>NR3 (formed at pH 7 in the presence of 50 mM NaCl and shear stress) estimated using OPUS secondary structure determination software (PLS Quant 2) based on infrared absorption between 1730.8 and 1594.8 cm<sup>-1</sup>. For the aggregates formed in the presence of shear, the values of  $\beta$ -sheet content displayed were recorded at three different orientations (0°/45°/90° respectively) relative to the long axis of the fibrous aggregates.

Position of polarizer relative to the long axis of the fiber	% $\beta$ -sheet content		
	(AQ) <sub>12</sub> NR3	(AQ) <sub>24</sub>	(AQ) <sub>24</sub> NR3
0°	28.39	29.09	35.14
45°	28.26	33.15	34.48
90°	26.11	30.74	34.21