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SUPPLEMENTARY TABLE

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Key words: atomic force microscopy / amyloid / fibril fragmentation / fibril division / image analysis / sonication

Supplementary Table S1: Quantitative AFM image analysis statistics. Image analysis

statistics for each fibril sample and sonication time point is shown.

	<i>Fragmentation sonication time / s</i>	<i>Number of images *</i>	<i>Mean particle length / nm</i>	<i>Number of fibril particles †</i>	<i>Mean particle height / nm</i>	<i>Number of Pixels ‡</i>
WT	10	3	146.6	2356	7.8	124094
	20	2	159.7	3402	8.0	194749
	40	1	161.1	2122	7.8	121437
	80	3	91.0	11331	8.0	421682
	320	2	61.0	8462	7.6	217270
	640	2	56.9	8348	7.7	200526
A30P	10	3	232.3	1675	6.4	90746
	20	1	141.7	1333	6.1	63378
	40	2	91.3	3858	6.5	140956
	80	2	92.3	3354	6.4	119481
	320	1	68.3	2090	6.6	57942
	640	1	71.0	2069	6.6	60023
A53T	10	5	587.5	436	8.2	46284
	20	2	354.9	727	8.5	62580
	40	2	344.2	480	8.6	42181
	80	2	237.4	1447	7.2	94849
	320	3	196.8	2706	8.2	147446
	640	2	117.8	1911	8.6	75371

* All images are of 2048x2048 pixels covering 10 x 10 μm surface areas.

† Total number of fibril particles quantified for constructing the fibril length distributions.

‡ Total number of pixel height values measured for constructing the fibril height distributions.