

SUPPORTING INFORMATION

The same primary structure of the prion protein yields two distinct self-propagating states

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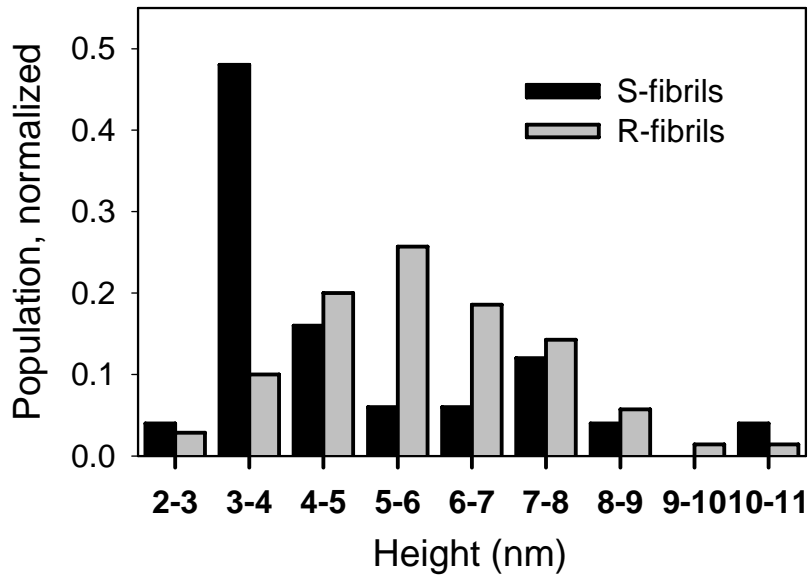
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Supplemental Figure Legends

Suppl. Figure 1. The height distribution for S- and R-fibrils as analyzed by AFM. The data were collected by an AFM operating in air, using tapping mode, by measuring the heights in cross-section of 100 fibrils of each type.

Suppl. Figure 2. Negative staining electron microscopy of the daughter fibrils produced in the seeded reactions. (a) The fibrillation reactions were seeded with S-fibrils (3%) and carried out under shaking (left panel) or rotation (right panel). (b) The fibrillation reactions were seeded with R-fibrils (3%) and carried out under rotation (left panel) or shaking (right panel). Scale bars = 0.2 μm .

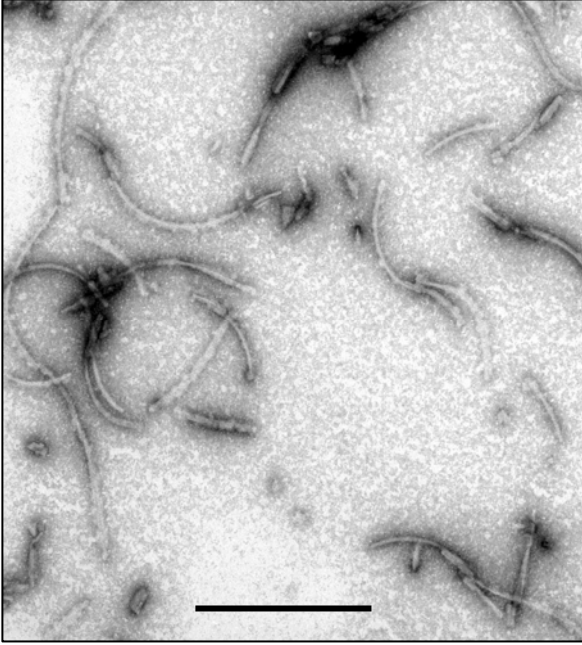
Suppl. Fig. 1



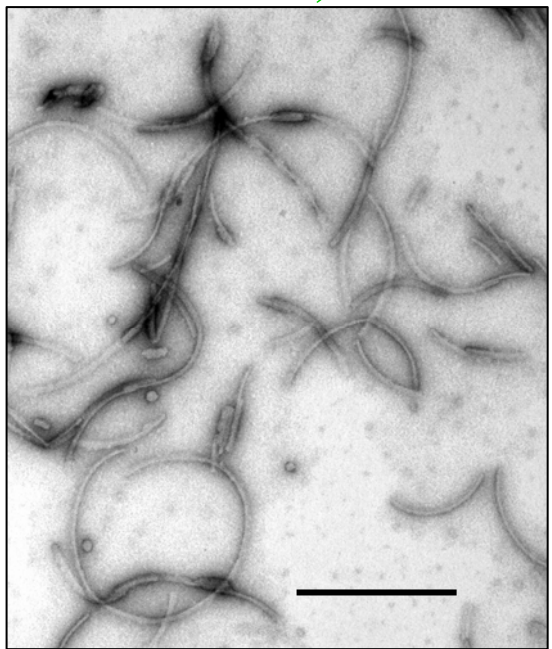
Suppl. Fig. 2

a

PrP+S-fibrils, shaking

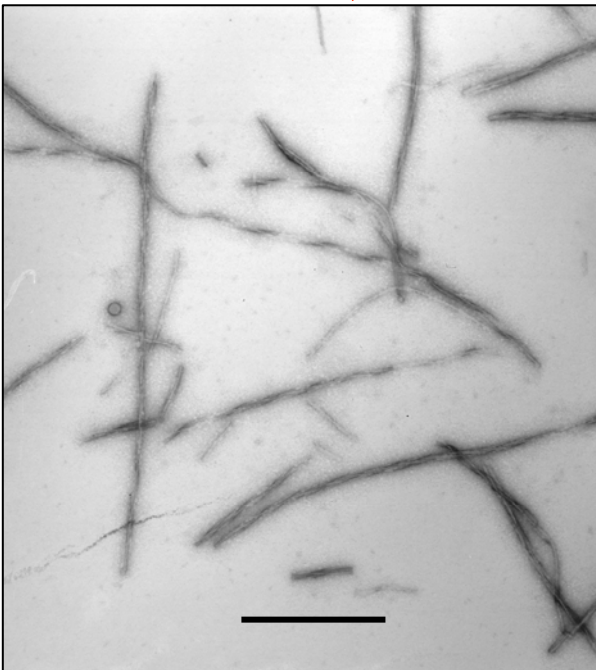


PrP+S-fibrils, rotation



b

PrP+R-fibrils, rotation



PrP+R-fibrils, shaking

