

## Description of Additional Supplementary Files

**File name:** Supplementary Data 1

**Description:** Light scattering data for NCP reassemblies around gRNA and  $\Delta$ PS/PS1.

**File name:** Supplementary Data 2

**Description:** Normalised reactivity and  $\Delta$ Reactivity values plotted in Fig 5b & d.

**File name:** Supplementary Data S1

**Description:** Light scattering data and autocorrelation curve of NCPs expressed in *E. coli*.

**File name:** Supplementary Data S2

**Description:** Data for autocorrelation curves of gRNA,  $\Delta\epsilon$ ,  $\Delta$ PS and  $\Delta$ PS1; and light scattering as a result of NCP reassemblies around  $\Delta\epsilon$ .

**File name:** Supplementary Data S3

**Description:** Light scattering data for NCP reassemblies around  $\Delta$ PS2/3.