Polystyrene nanoplastics affect human ubiquitin structure and ubiquitination in cell: a high-resolution study

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Supplementary Material

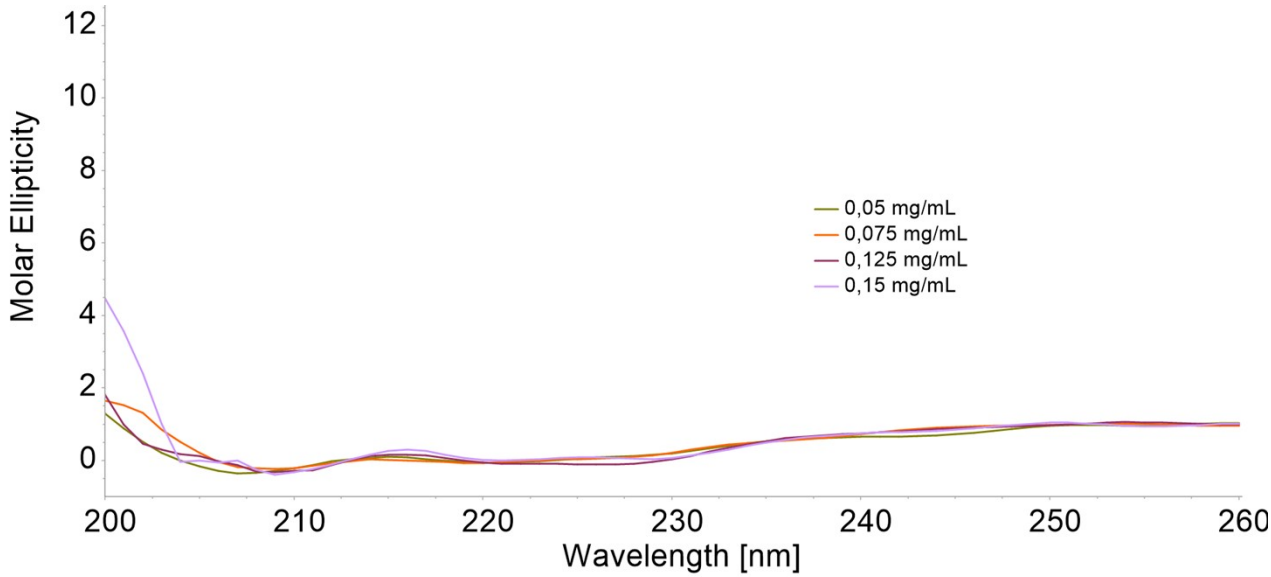

Figure S1: Far-UV CD spectra of PS-NPs at different concentrations.

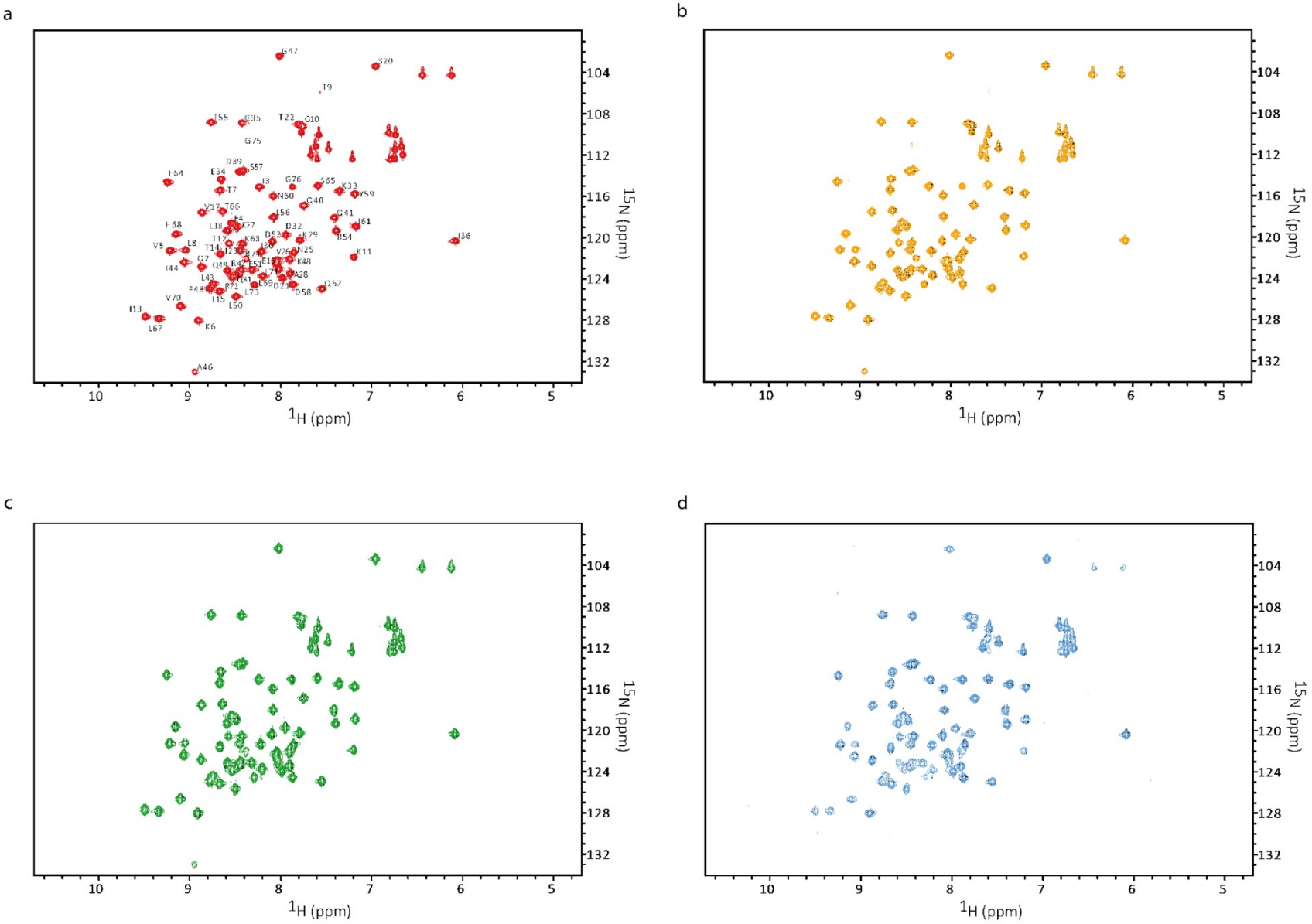

Figure S2: ^{1}H-^{15}N HSQC spectra of Ubq free (a) and in presence of 0,1 (b), 0,2 (c) and 0,3 (d) mg/mL of PS-NPs. Panel (a) reports the protein assignment.

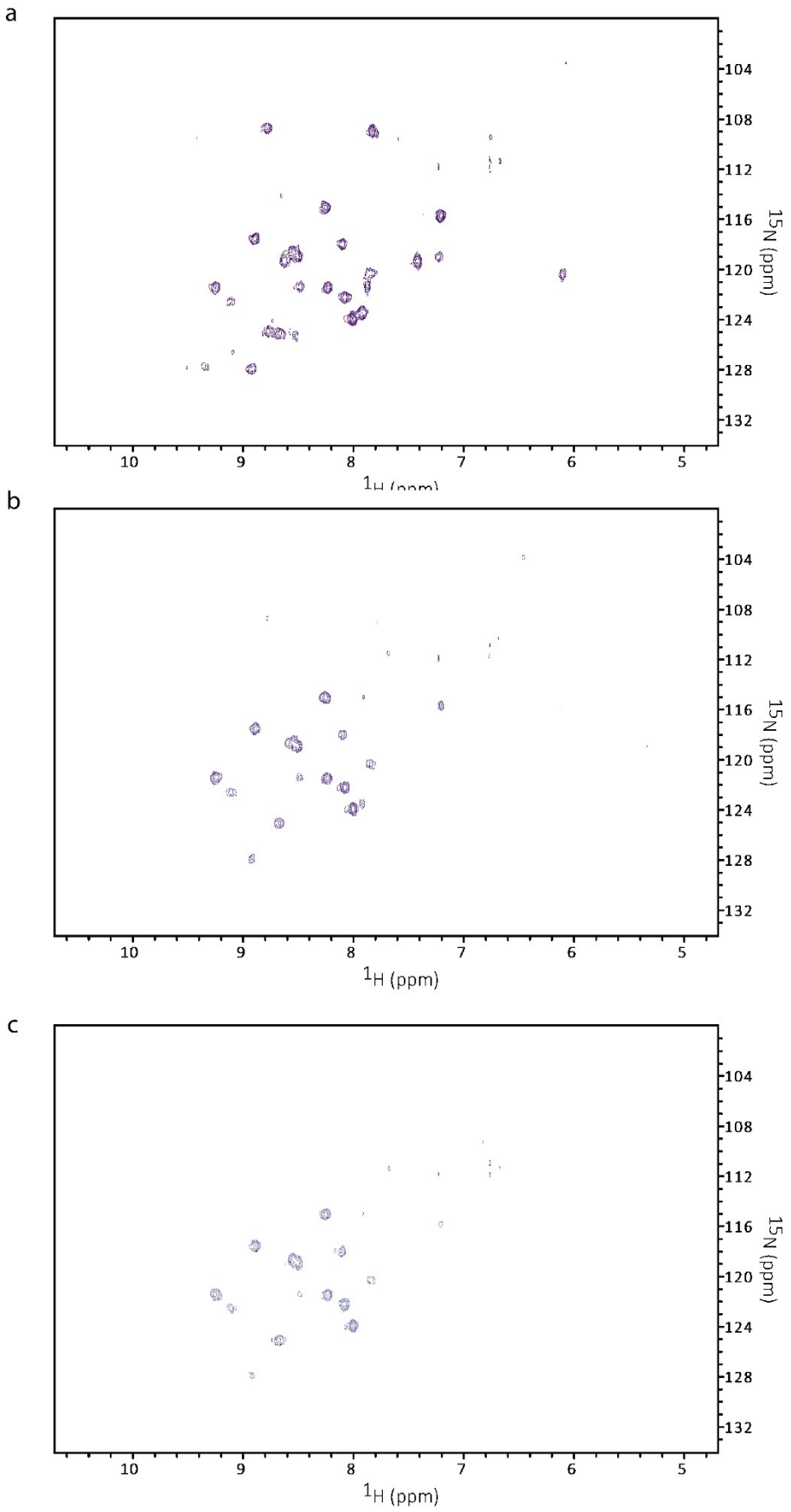

Figure S3: H-DX experiment. ^{1}H-^{15}N HSQC spectra of Ubq in presence of PS-NPs acquired after (a) 20 minutes, (b) 220 minutes and (c) 360 minutes.

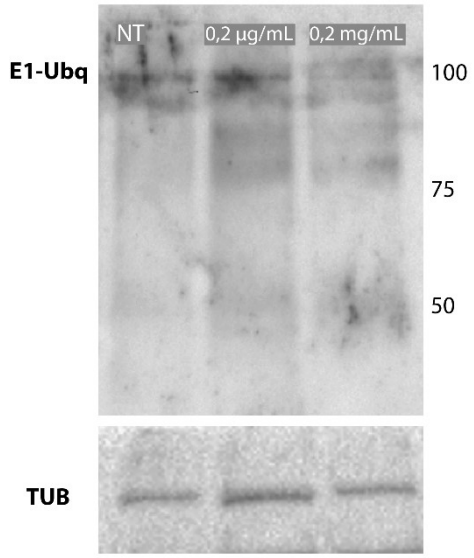

Figure S4: Western blotting analysis replica of Ubq signal in HeLa cells untreated (NT) and treated with increasing doses of PS-NPs (0,2 µg/mL and 0,2 mg/mL) for 24 hours.