Acta Neuropathologica

Low molecular weight species of TDP-43 generated by abnormal splicing

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Electronic Supplementary Material 2

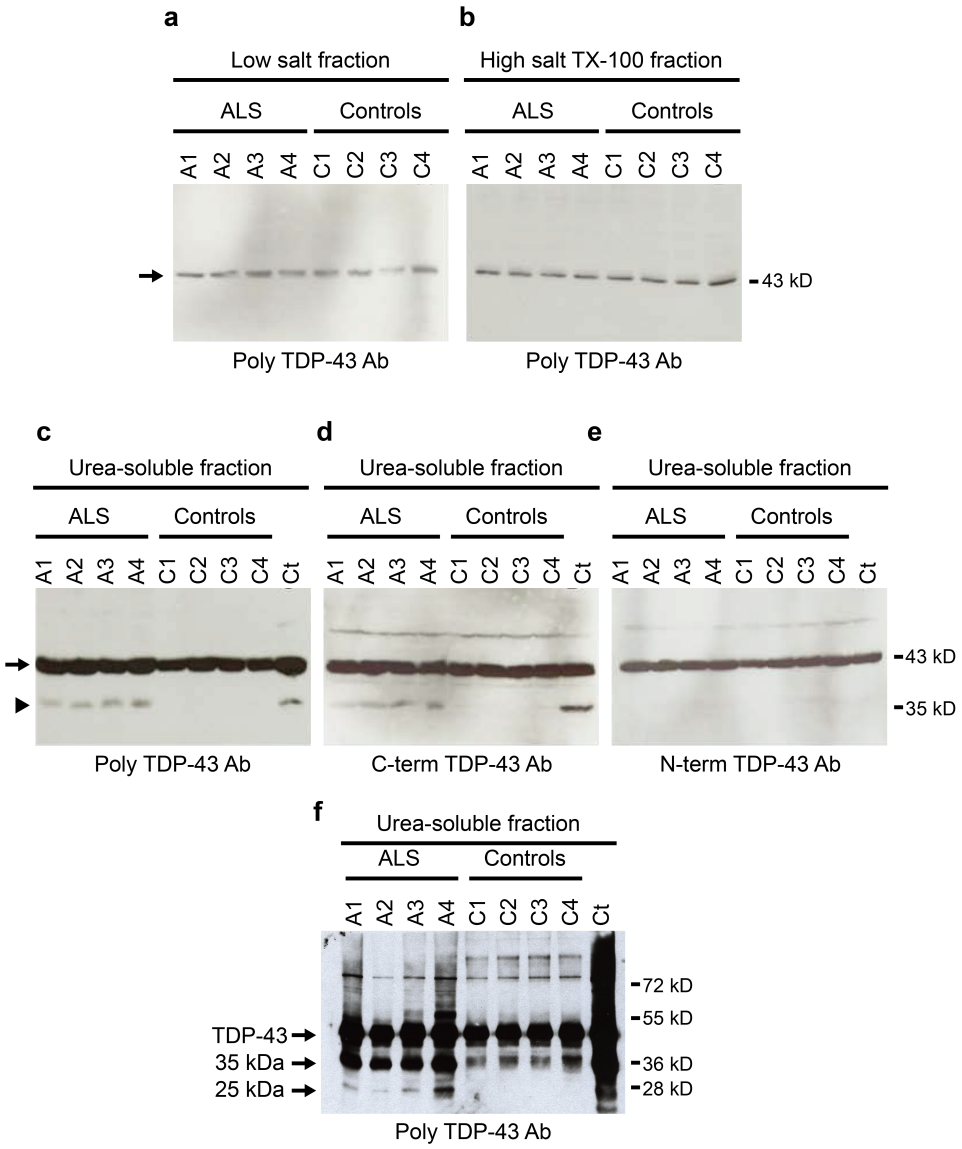

Fig. S2 Biochemical analysis of TDP-43 in spinal cord extracts of ALS and control cases. Immunoblotting equivalent amounts of (a) low salt (b) high salt Triton X-100 and urea-soluble fractions using polyclonal TDP-43 antibody (c) showed that full-length TDP-43 (arrow) was present in all fractions. A distinct 35 kDa species (arrowhead) was noticeable only in the urea-soluble fraction (c) and was present only in ALS samples and not in controls. This 35 kDa species exhibited similar MW as Met^{85}-TDP-35 (Ct = control) and was immunolabeled with C-terminal TDP-43 antibody (d) and not N-terminal TDP-43 antibody (e). The 25 kDa species was apparent only during long exposure (f). Cases A1 and A4 also carry *C9orf72* expansions