



Supplementary Figure e-1. Standard curve linearity and analytic validation of urinary p75^{ECD} ELISA assay.

A. Human p75^{ECD} was detected using a sandwich ELISA protocol from 0.01 to 20ng/ml. **B.** The linear range determined by regression was from 0.01 to 2.5ng/ml (from dotted box in **A**). **C.** Plotting the standard curve with a log₁₀ x-axis shows the detection limit of this ELISA at 0.07ng/ml (70pg/ml). **D.** Urinary p75^{ECD} is stable for 4 freeze-thaw cycles for ALS patients with high (●), medium (■) or low (▲) concentrations of p75^{ECD}. **E.** Storage of urine at 4°C (solid line) and at room temperature (RT, ~23°C; dashed line) (n=3 three controls, ●, ■, ▲) did alter urinary p75^{ECD} levels after 2 days. **F.** Urinary p75^{ECD} (n= 2 controls, ●, ■) does not vary substantially whether from a random spot (pm), first void (am) or 24-hour urinary sample (solid lines). Adjustment using urinary creatinine concentration to account for dilution, further reduced variability (dashed lines). **G.** Urinary creatinine is correlated with urinary osmolarity (osmol/g) (r=0.88, p<0.0001).