**a**



**b**



**c**



**Figure S3. Similar levels of *Tardbp* mRNA expression in different tissues of +/+, A315T/+ and N390D/+ male mice.**

**(a)** The RT-PCR patterns of *Tardbp* mRNAs in the brain, spinal cord and lung of 6-month old mice. **(b)** The RT-PCR patterns of *Tardbp* mRNAs in the spinal cord from 3-month and 6-month old mice. The corresponding comparisons of the relative levels of *Tardbp* mRNAs by qRT-PCR are shown in the two dot plots on the right side (mean± SD). The number of mice of each group and their line origins are as follows: N=12 for +/+ (3 from each of the independent lines); N=6 (3 from each of the two independent lines) per genotype group. **(c)** The connecting-line plot deduced from Figure2b presents the changes of the fractions (%) of the soluble and insoluble TDP-43 in the spinal cord of N390D/+ and +/+ male mice, respectively. Mean± SD and \*p<0.05, \*\*p<0.01.