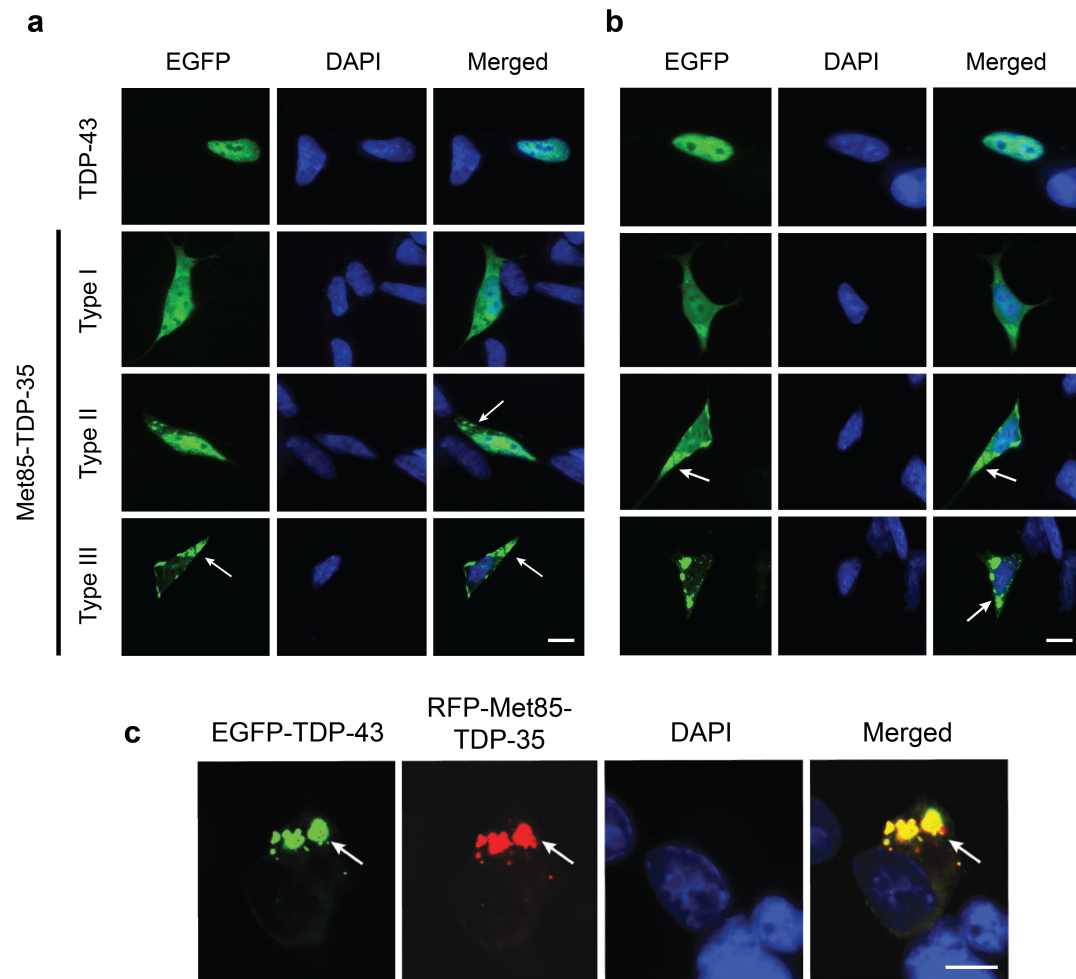


Low molecular weight species of TDP-43 generated by abnormal splicing

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Electronic Supplementary Material 1



**Fig. S1** Expression pattern of full-length TDP-43 and Met<sup>85</sup>-TDP-35 in transfected SH-SY5Y cells. C-terminally tagged (a) and N-terminally tagged (b) EGFP-TDP-43 and EGFP-Met<sup>85</sup>-TDP-35 demonstrated different subcellular localizations, with TDP-43 in the nucleus and Met<sup>85</sup>-TDP-35 exhibiting three types of expression patterns. In type I, Met<sup>85</sup>-TDP-35 was diffuse throughout the whole cell (including both nucleus and cytoplasm); in type II, Met<sup>85</sup>-TDP-35 was diffuse throughout the whole cell but also formed cytoplasmic aggregates (arrow); and in type III, Met<sup>85</sup>-TDP-35 formed large cytoplasmic aggregates (arrow) and was absent from the nucleus. (c) In SH-SY5Y cells co-expressing EGFP-TDP-43 and RFP-Met<sup>85</sup>-TDP-35, TDP-43 redistributed from the nucleus to the cytoplasm and colocalized to the same inclusion bodies (arrow) as Met<sup>85</sup>-TDP-35. Scale bars = 10 μm