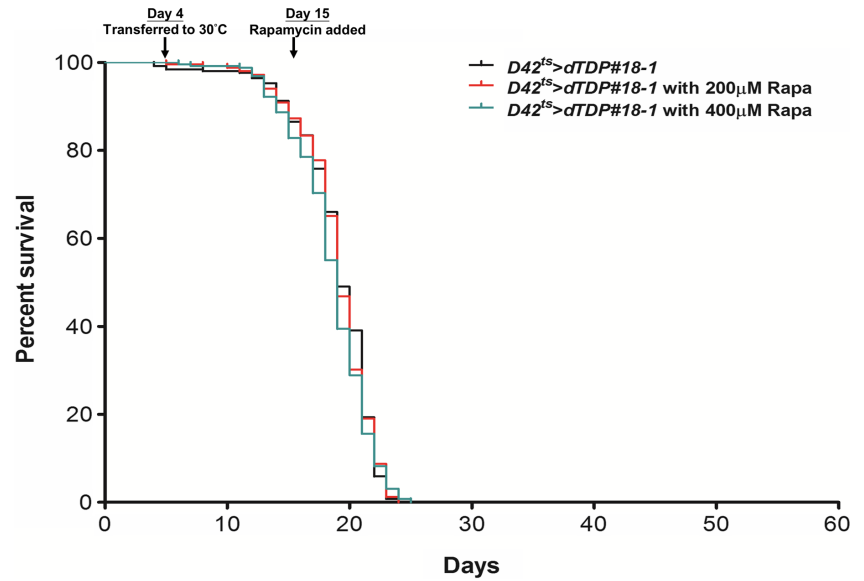


Supplementary Figure 1. Effect of rapamycin after onset of motor dysfunction on lifespan of ALS-TDP flies. The lifespan of male  $D42^{ts} > dTDP\#18-1$  was maintained at 18°C for 4 days before transfer to 30°C. Then, after 11 days, flies were fed a diet supplemented with 0, 200, or 400  $\mu\text{M}$  rapamycin (Rapa), and were transferred to fresh food with rapamycin every 1–2 days. Flies left untreated or that received a moderate or even high dose of 400  $\mu\text{M}$  all had median survival of 19 days.  $N = 252\text{--}256$ .



Supplementary Table. A list of abbreviations.

Full name	Abbreviation
amyotrophic lateral sclerosis	ALS
familial ALS	fALS
sporadic ALS	sALS
frontotemporal lobar degeneration	FTLD
Alzheimer's disease	AD
Huntington's disease	HD
Parkinson's disease	PD
TAR DNA binding protein	TDP-43
<i>Drosophila</i> TAR DNA-binding protein-43 homolog	TBPH, dTDP
RNA-recognition motif	RRM motif
target of rapamycin	TOR
TOR complex 1	TORC1
RPS6-p70-protein kinase	S6K, p70 <sup>S6k</sup>
ubiquitin proteasome system	UPS