

**Table S1.** Lifespan parameters of different concentrations of LTJ-34 and LTJ-35

Strains	Treatment	Mean lifespan ± S.E.M	Percentage lifespan extension	Maximum lifespan	Log-rank test	n value
N2	Control	16		28	-	139
	LTJ-34 (5 µg/ml)	17	-	27	<i>P</i> > 0.05	137
	LTJ-35 (5 µg/ml)	16	-	27	<i>P</i> > 0.05	141
N2	Control	15		28	-	141
	LTJ-34 (10 µg/ml)	16	7%	30	<i>P</i> < 0.01	143
	LTJ-35 (10 µg/ml)	19	26%	35	<i>P</i> < 0.0001	144
N2	Control	14		28	-	148
	LTJ-34 (50 µg/ml)	14	-	23	<i>P</i> > 0.05	138
	LTJ-35 (50 µg/ml)	14	-	25	<i>P</i> > 0.05	144
	LTJ-34 (200 µg/ml)	14	-	23	<i>P</i> > 0.05	144
	LTJ-35 (200 µg/ml)	15	-	23	<i>P</i> > 0.05	143

Statistical significance of the difference between survival curves was determined by log-rank test using the Kaplan-Meier Survival analysis