

Table 2. Lifespan in the germ-line longevity pathway is ligand dependent

Strain	Ligand (Δ^4)	Lifespan, days		No. of animals (no. of expts)	P value
		Mean \pm SD	Maximum \pm SD		
N2	-	15 \pm 2	24 \pm 4	163(2)	
	Δ^4	17 \pm 2	29 \pm 1	170(2)	<0.00001*
<i>daf-36(k114)</i>	-	12 \pm 1	21 \pm 1	241(2)	<0.00001*
	Δ^4	13 \pm 2	25 \pm 1	309(2)	<0.00001 [†] , <0.00001 [‡]
<i>daf-9(rh50)</i>	-	11 \pm 1	19 \pm 5	142(2)	<0.00001*
	Δ^4	13 \pm 3	31 \pm 6	169(2)	<0.00001 [†] , 0.00011 [‡]
<i>daf-12(rh61rh411)</i>	-	11	21	87(1)	<0.00001*
	Δ^4	12	21	140(1)	<0.00001 [†] , 0.69 [‡]
<i>glp-1(e2141)</i>	-	18 \pm 0	33 \pm 1	191(2)	0.000039*
	Δ^4	20 \pm 0	33 \pm 0	140(2)	<0.00001 [†] , 0.00003 [‡]
<i>e2141 k114</i>	-	14 \pm 2	43 \pm 12	342(2)	0.27*, <0.00001 [§]
	Δ^4	23 \pm 10	52 \pm 11	333(2)	<0.00001 [†] , <0.00001 [‡] , 0.015 [¶]
<i>e2141 rh50</i>	-	16 \pm 1	36 \pm 3	329(2)	<0.00001*, <0.083 [§]
	Δ^4	20 \pm 1	44 \pm 4	336(2)	<0.00001 [†] , <0.00001 [‡] , 0.055 [¶]

Data is supplementary to Table 1. All experiments were done at 25°C. The ligand (Δ^4) was added during larval development and adulthood. (-): only vehicle (100% EtOH) was added. SDs were calculated on the average of the mean or maximum of individual experiments. P values were determined on pooled experiments using the log rank test (Mantel-Cox).

*Compared to N2 worms without ligand (-).

[†]Compared to N2 worms exposed to the Δ^4 ligand (Δ^4).

[‡]Compared to the same strain without ligand (-).

[§]Compared to *glp-1* worms without ligand (-).

[¶]Compared to *glp-1* worms exposed to the Δ^4 ligand (Δ^4).

^{||}Significant in T test against *glp-1(e2141)* (p < 0.005) for only one trial out of two.