Table 2: Effect of *cul-1* and *skr-1/2* RNAi treatments on the lifespans of long-lived mutants and wild-type worms

Trial	Gene	Mean Lifespan ± SEM (days)	Events/ Obs*	P value vs. Control†	% effect on lifespan‡‡
daf-2(mu150)					
1.§,¶,‡	Control	33.4 ± 0.7	89/90		
	daf-16	17.3 ± 0.5	80/83	<0.0001	-48.3
	cul-1	25.2 ± 0.4	80/85	<0.0001	-24.5
	skr-1	22.0 ± 0.5	88/91	<0.0001	-34.1
	skr-2	22.8 ± 0.4	92/92	<0.0001	-31.7
2.	Control	32.3 ± 0.5	119/122		
	daf-16	17.4 ± 0.3	119/124	<0.0001	-46.1
	cul-1	25.0 ± 0.4	105/115	<0.0001	-22.6
	skr-1	24.3 ± 0.4	91/92	<0.0001	-24.7
	skr-2	25.3 ± 0.3	113/117	<0.0001	-21.6
3.**	Control	28.8 ± 0.6	68/90		
	daf-16	15.6 ± 0.4	87/89	<0.0001	-45.8
	cul-1	21.5 ± 0.4	84/89	<0.0001	-25.3
	skr-1	22.7 ± 0.4	72/85	<0.0001	-21.1
	skr-2	16.0 ± 0.3	85/90	<0.0001	-44.4
4.	Control	37.8 ± 0.5	80/91		
	daf-16	17.8 ± 0.3	92/92	<0.0001	-52.9
	cul-1	30.8 ± 0.5	85/89	<0.0001	-18.5
	skr-1	26.3 ± 0.4	77/78	<0.0001	-30.4
	skr-2	26.1 ± 0.3	84/87	<0.0001	-30.9
N2					
1.¶, ‡	Control	20.7 ± 0.7	67/88		
	daf-16	16.6 ± 0.5	67/87	<0.0001	-19.8
	cul-1	18.8 ± 0.6	84/90	0.3	-9.1
	skr-1	20.7 ± 0.7	82/86	0.71	ne
	skr-2	21.4 ± 0.9	67/81	0.19	+3.3
2.††	Control	18.6 ± 0.8	70/88		
	daf-16	16.4 ± 0.3	57/90	0.005	-11.8
	cul-1	18.6 ± 0.8	67/85	0.81	ne
	skr-1	18.3 ± 0.7	71/87	0.74	-2.6
	skr-2	18.8 ± 0.6	74/89	0.71	+1.07

Trial	Gene	Mean Lifespan ± SEM (days)	Events/ Obs[*]	P valus Vs. Control[†]	% effect on lifespan[‡‡]
glp-1(e2141ts)					
1.[††, ‡]	**Control**	22.4 ± 1.0	82/85		
	daf-16	16.1 ± 0.3	88/88	<0.0001	-27.1
	cul-1	22.8 ± 0.8	88/91	0.78	+1.7
	skr-1	21.8 ± 0.8	88/91	0.19	-2.6
	skr-2	22.1 ± 0.7	92/92	0.10	ne
2[§]	**Control**	24.3 ± 1.1	77/80		
	daf-16	20.2 ± 0.4	69/74	0.0002	-16.8
	cul-1	22.6 ± 0.4	63/73	0.2	-6.9
	skr-1	25.0 ± 0.6	49/50	0.31	+2.8
	skr-2	23.2 ± 0.6	70/73	0.06	-4.5
3[**, ¶]	**Control**	23.2 ± 0.4	86/87		
	daf-16	17.8 ± 0.4	79/84	<0.0001	-23.2
	cul-1	23.9 ± 0.3	74/76	0.4	+3.0
	skr-1	21.6 ± 0.7	70/86	0.73	-6.8
daf-2(e1370)					
1. [¶]	**Control**	40.8 ± 1.0	72/89		
	daf-16	22.7 ± 0.5	67/90	<0.0001	-44.3
	cul-1	31.1 ± 0.9	77/83	<0.0001	-23.7
	skr-1	32.6 ± 1.2	88/88	<0.0001	-20.0
	skr-2	30.5 ± 0.6	73/88	<0.0001	-25.2
2.	**Control**	54.8 ± 1.2	104/121		
	daf-16	24.9 ± 0.4	100/117	<0.0001	-54.5
	cul-1	32.8 ± 0.8	85/90	<0.0001	-40.1
	skr-1	37.4 ± 0.7	121/121	<0.0001	-31.7
	skr-2	37.1 ± 0.7	104/118	<0.0001	-32.2
daf-2(e1368)					
1. [¶]	**Control**	32.7 ± 0.7	58/105		
	daf-16	22.1 ± 0.3	76/105	<0.0001	-32.4
	cul-1	25.1 ± 0.4	69/104	<0.0001	-23.2
	skr-1	25.5 ± 0.7	62/105	<0.0001	-22.0
	skr-2	25.7 ± 0.6	57/105	<0.0001	-21.4

Trial	Gene	Mean Lifespan ± SEM (days)	Events/ Obs*	P valus Vs. Control†	% effect on lifespan‡‡
eat-2(ad1116)					
1. ¶ ‡	**Control**	27.3 ± 0.6	70/96		
	daf-16	24.7 ± 0.6	68/96	0.005	-9.5
	cul-1	25.2 ± 0.5	77/102	0.2	+7.6
	skr-1	23.8 ± 1.1	66/94	0.2	-12.8
	skr-2	27.3 ± 0.6	67/93	0.8	ne
2.	**Control**	26.4 ± 0.7	68/104		
	daf-16	24.8 ± 0.6	37/103	0.04	-6.0
	cul-1	26.2 ± 0.6	81/110	0.9	ne
	skr-1	26.7 ± 0.6	86/106	0.5	-1.1
	skr-2	25.9 ± 0.6	80/114	0.6	-1.8

* Some animals were censored as described in Materials and Methods.

† Control refers to worms exposed to empty vector plasmid without an RNAi insert.

‡‡ Increase (+) or decrease (-) in lifespan with respect to the lifespan of worms grown on empty control vector.

§, **, †† Lifespans conducted in parallel.

¶ Experiment depicted in Fig. 1.

‡ Experiment depicted in Fig. 3.

ne: no effect.

cul-1 and *skr-1/2* RNAi resulted in the production of dead F1 eggs in all experiments where applicable, as would be expected from successful downregulation of the gene(s) by the RNAi treatment.