

**Flavonoids from Mung Bean Coat Promote Longevity and Fitness in
*Caenorhabditis elegans***

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Table S1. Effect of MBCE on the lifespan of *C. elegans* at 20°C.

Strains	Treatment (µg/ml)	Mean lifespan (d ± SEM)	Worm count	Change (%)	<i>P</i> value
N2	Control	17.9 ± 0.5	258	□	-
	MBCE (50)	19.8 ± 0.6	257	10.61	0.00018(***)
	MBCE (100)	20.2 ± 0.6	283	12.85	<i>P</i> <0.0001
	MBCE (200)	21.3 ± 0.6	274	18.99	<i>P</i> <0.0001
	MBCE (300)	20.5 ± 0.2	268	14.53	0.00045(***)
	Control	18.1 ± 0.4	214	□	□
	Combination	20.5 ± 0.3	208	13.26	0.00045(***)
	MBCE (200)	22.6 ± 0.5	220	24.86	<i>P</i> <0.0001(****)
	Isovitexin(10.35)	19.0 ± 0.3	266	4.97	0.17(ns)
	Vitexin (20.99)	20.4 ± 0.3	206	12.71	0.00013(***)
<i>clk-1(e25193) III</i>	Control	21.1 ± 0.6	145	□	□
	MBCE (200)	21.6 ± 0.6	156	2.37	0.46(ns)
<i>mev-1(kn1) III</i>	Control	12.4 ± 0.5	166	□	□
	MBCE (200)	13.0 ± 0.4	197	4.84	0.71(ns)
<i>isp-1(qm150) IV</i>	Control	20.2 ± 1.0	94	□	□
	MBCE (200)	20.8 ± 0.8	105	2.97	0.99(ns)
<i>eat-2(ad1116) III</i>	Control	22.4 ± 0.4	170	□	□
	MBCE (200)	30.6 ± 0.7	158	36.61	<i>P</i> <0.0001(****)
<i>aak-2(ok524) X</i>	Control	15.1 ± 0.4	167	□	□
	MBCE (200)	15.5 ± 0.6	126	2.65	0.22(ns)
<i>sir-2.1(ok343) IV</i>	Control	17.3 ± 0.6	111	□	□
	MBCE (200)	14.7 ± 0.7	121	-	0.25(ns)
<i>rsks-1(ok1255) III</i>	Control	23.3 ± 0.5	101		
	MBCE (200)	26.5 ± 0.8	95	13.73	<i>P</i> <0.0001(****)
<i>daf-2(e1370) III</i>	Control	24.9 ± 1.4	104	□	□
	MBCE (200)	24.3 ± 1.3	113	-	0.60(ns)
<i>daf-16(mu86) I</i>	Control	13.8 ± 0.3	159	□	□
	MBCE (200)	15.5 ± 0.5	107	12.32	<i>P</i> <0.0001(****)

The worm count means the total number of 2 or 3 independent experiments. Values are means ± SEM. Statistically significant at *** *P*< 0.001, **** *P*<0.0001 by Kaplan–Meier survival assay using SPSS.