

Table S2. Effects of the seed oils from selected edible *Trichosanthes* germplasm on the longevity of *C. elegans*.

Groups	Mean lifespan (h) (Mean \pm SD)	Maximum lifespan (h) (Mean \pm SD)	Mean fold Change (%)
SDJN	22.17 \pm 0.61 ^A	34.00 \pm 0.00	45.46
YNHH	22.15 \pm 0.65 ^A	34.00 \pm 0.00	45.31
GXYL	20.80 \pm 0.74 ^A	32.00 \pm 0.00	36.44
SXHZ	18.98 \pm 0.42 ^B	28.00 \pm 0.00	24.54
Linseed oil	18.09 \pm 0.72 ^B	26.00 \pm 0.00	18.65
ZJQT	17.59 \pm 0.40 ^B	24.00 \pm 0.00	15.40
Blank Control	15.24 \pm 0.65 ^C	24.00 \pm 0.00	/

The data were analyzed by one way-ANOVA analysis and different uppercases indicated significant difference at level of 0.01 by Least-Significant Difference Test (LSD).

Red: *T. laceribractea* Hayata; Blue: *T. rosthornii* Harms; Green: *T. kirilowii* Maxim.