

Table S3. Effects of the seed oils from selected edible *Trichosanthes* germplasm on the lipofuscin accumulation of *C. elegans*.

Groups	Relative lipofuscin fluorescence	Change (%)
YNHH	0.30 ± 0.02 ^F	- 70.35
Positive control	0.45 ± 0.01 ^E	- 54.65
SDJN	0.53 ± 0.01 ^D	- 47.11
GXYL	0.63 ± 0.01 ^C	- 37.30
ZJQT	0.75 ± 0.00 ^B	- 25.31
SXHZ	0.94 ± 0.01 ^A	- 2.27
Blank Control	1.00 ± 0.00 ^A	/

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.