

Table S4. Effects of the seed oils from selected edible *Trichosanthes* germplasm on the body bending and pharyngeal pumping rates of *C. elegans* at different stages.

Groups	Adult age	Number of body bending in 30s	Number of pharyngeal pumping in 15s
YNHH	Day 3	18.87±0.63 ^A	59.73±0.76 ^A
SDJN		18.47±0.34 ^A	55.43±0.21 ^B
GXYL		18.18±0.09 ^{AB}	53.60±0.41 ^C
Linseed oil		17.63±0.42 ^B	51.40±0.59 ^D
SXHZ		17.53±0.21 ^B	49.50±0.08 ^E
ZJQT		12.53±0.12 ^C	47.97±0.37 ^F
Blank Control		12.43±0.12 ^C	47.83±0.61 ^F
YNHH	Day 7	13.83±0.09 ^A	46.13±0.12 ^A
SDJN		13.20±0.62 ^{AB}	45.07±0.12 ^B
GXYL		12.43±0.34 ^{BC}	44.57±0.34 ^{BC}
SXHZ		12.17±0.17 ^C	43.77±0.25 ^D
Linseed oil		12.13±0.25 ^C	44.20±0.22 ^{CD}
ZJQT		8.67±0.21 ^D	41.03±0.33 ^E
Blank Control		8.27±0.34 ^D	40.73±0.21 ^E

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.