

Supplementary materials

**Carnosic Acid Ameliorated A β -mediated (Amyloid- β
Peptide) Toxicity, Cholinergic Dysfunction and
Mitochondrial Defect in *C. elegans* of Alzheimer's Model**

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Table. S1 Primer sequences used for qRT-PCR

Gene	Forward primer	Reverse primer
<i>act-1</i>	CAAGGAGTCATGGTCGGTATG	TCAATTGGGTACTTGAGGGTAAG
<i>ace-1</i>	AATGCGACAACTCCACCGAACAG	GGGTCCACTTTTCCAGGCACATA C
<i>ace-2</i>	TGATTTCGGCGTTTCCACAGTTCC	TTGCGAGACCCACGAGAGAGC
<i>unc-17</i>	AATCTGGGTTTGGCGGTTGGC	CGAGCGACTTCTTTGTGTGAATGC
<i>cho-1</i>	GGTGATGTTAGCTGGGAGAAA	TCGGCGGTTCCATTGATATAAG
<i>cha-1</i>	GAGCATTTCCGAGAAGGAGAAAG	CGCATCATACCACCGATTGA
<i>phb-1</i>	GGAGGTCAACGAGCAGTCATCTTC	AGTGATGGTGGTGACGGCTCTC
<i>phb-2</i>	GGAGGATTGTGCGACGGATTT	GTTTGGTCTGGCACGGATA
<i>drp-1</i>	GCCAATCGGATCTTGTTGCATTG	GCACCTCCGCATAGCTCAGTTG
<i>eat-3</i>	CCGTCATTCTCGCCTCATT	AAGCTTCTGTATCCGCTCTTC
<i>sod-3</i>	TCACTATTGCGGTTCAAGGCTCTG	TTGCACAGGTGGCGATCTTCAAG
<i>sod-1</i>	TCGGAGACAAGGCAGAAGAGTCC	GGAGCAGCGAGAGCAATGACAC
<i>daf-16</i>	GCTCTGCTGAAAGTCCCATCCTG	CCGTGAATCCGTTCCAACCGTAG

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28 **Figure caption**

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30 Figure S1. The illustrative diagram indicating the treatment method of CA in
31 worms. (A) The feeding treatment of CL4176, CL2355 and CL2122 strains (B) The
32 feeding treatment of CL2006 strain.

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34 Figure S2. The illustrative diagram indicating the treatment method of worms in
35 head swing assay and pharyngeal pumping assay. (A) The treatment method of
36 CL4176 strain. B) The treatment method of CL2006 strain.

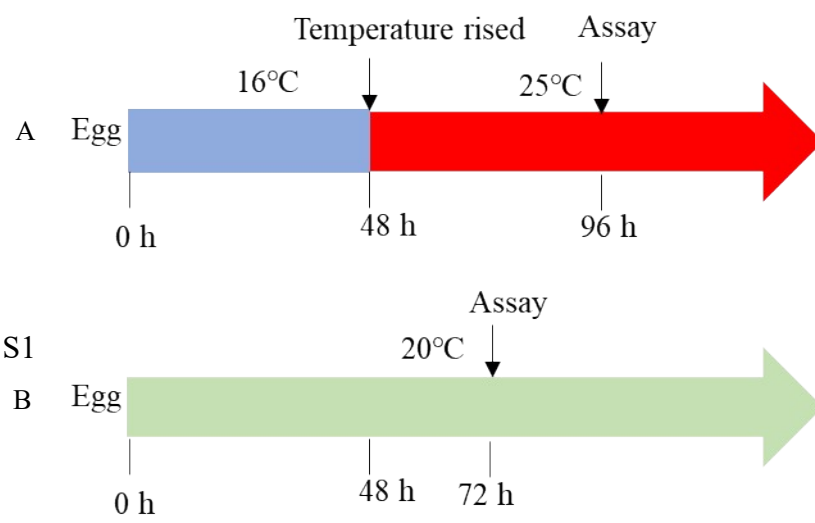
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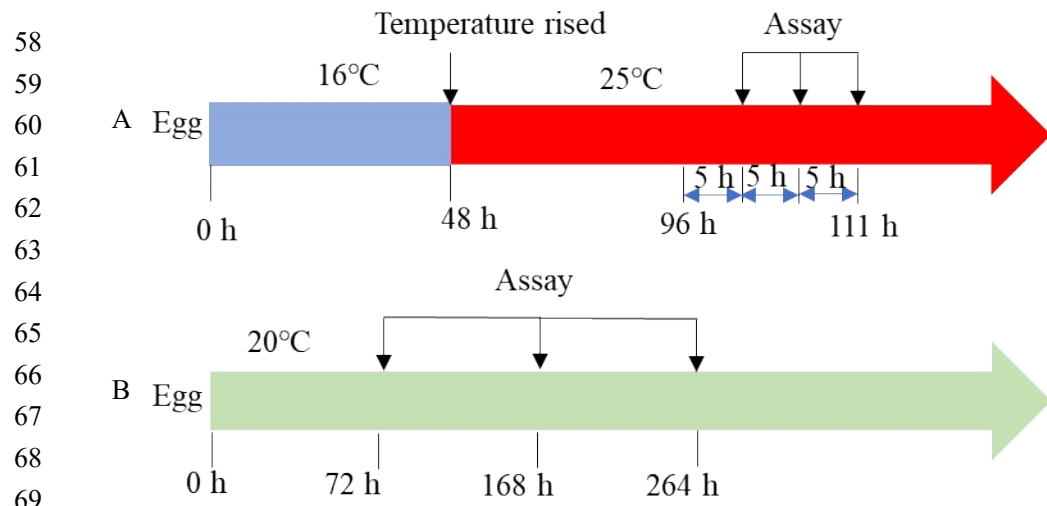
38 Figure S3. The diagram displaying the treatment method of CL2355 and CL2122
39 strains in fertility experiment.

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70 Figure S2

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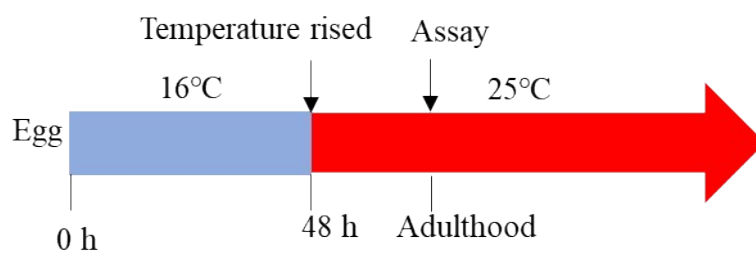


Figure S3