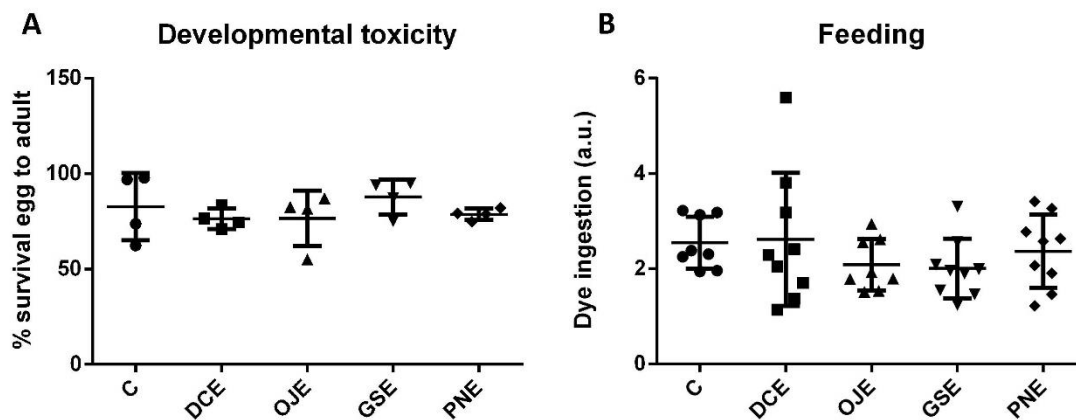


***G. sinense* and *P. notoginseng* Extracts Improve  
Healthspan of Aging Flies and Provide Protection in A  
Huntington Disease Model**

Serafino Teseo<sup>1,2,#</sup>, Benjamin Houot<sup>1,#</sup>, Kaiye Yang<sup>3,#</sup>, Véronique Monnier<sup>1</sup>, Guangrong Liu<sup>3,\*</sup>  
Hervé Tricoire<sup>1\*</sup>

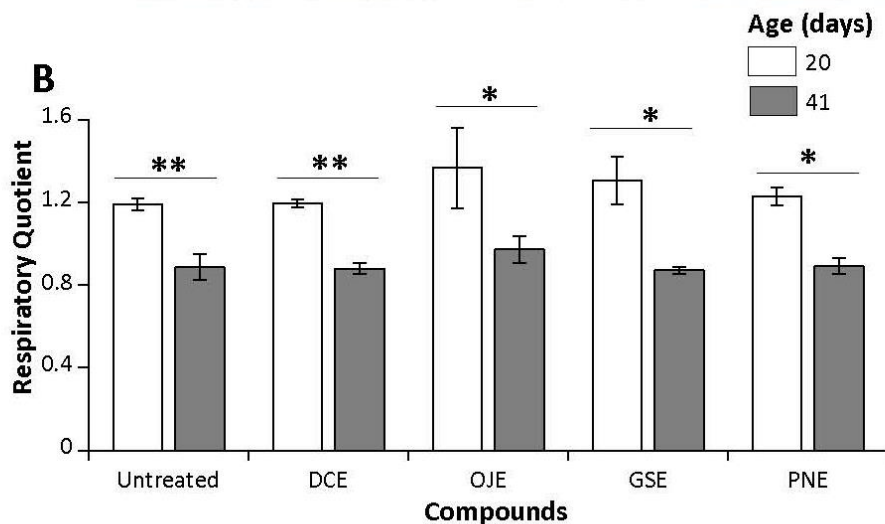
## SUPPLEMENTARY DATA



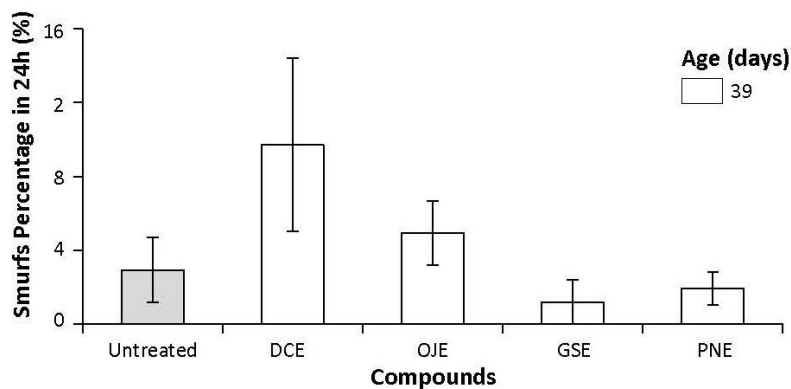
**Supplementary Figure 1. HEs do not exhibit significant developmental toxicity and do not modify feeding behavior.** **A)** Developmental survival from eggs to adult flies on medium supplemented by 1% (V/V) of each HE was scored and compared to survival on control (un-supplemented) medium (light gray bar). No statistically significant change in survival were observed. **B)** Feeding behavior was scored in adult flies reared on control medium or medium supplemented by 3% (V/V) of each HE with the described dye absorption method. No statistically significant changes in dye absorption were observed.

# SUPPLEMENTARY DATA

**A**

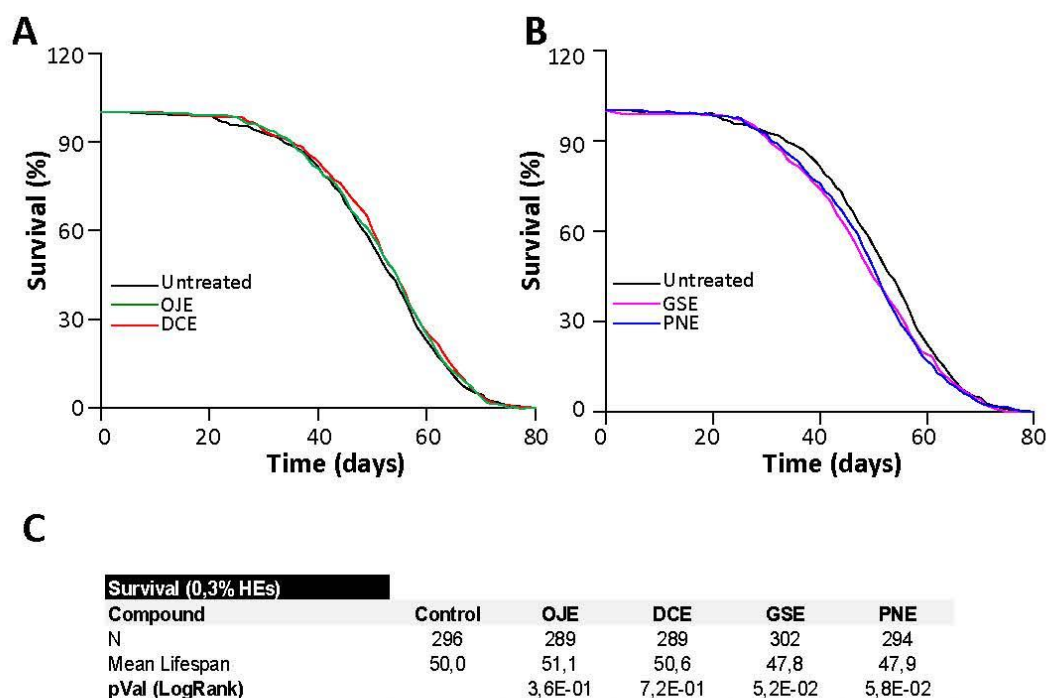


**Supplementary Figure 2. Measurement of metabolic activity of flies submitted to HEs treatment.** A) The Calofly device with 32 independent chambers used to measure simultaneously O<sub>2</sub> consumption and CO<sub>2</sub> production of individual flies. B) The respiratory quotient measured from data of fig. 4 is significantly reduced between 20 day old and 41 day old flies, irrespective of HEs treatment.



**Supplementary Figure 3. Percentage of Smurf flies at day 39.** No significant differences were observed between control flies and HEs treated flies ( $p > 0.05$ ). Error bars: SEM. 10 tubes of 30 flies were analyzed per condition.

## SUPPLEMENTARY DATA



**Supplementary Figure 4. Low concentration HEs treatments do not increase fly lifespan.** Flies were treated with 0.3% of HEs along their lifespan and survival curves were scored. **A)** DCE and OJE treatment. **B)** PNE and GSE treatment **C)** Summary of the statistical analysis of these curves. In no case the survival curve significantly differs from the control (Logrank analysis,  $p > 0.05$ ). A large number of flies ( $N_{flies} > 289$  for each condition) were included in this experiment.