

Table S2. Lifespan parameters of MGE on different strains

| Strains | Treatment | Mean lifespan ± S.E.M | Change in mean lifespan (%) | Maximum lifespan | Log-rank test | n value |
|---------------|-----------|-----------------------|-----------------------------|------------------|------------------------|---------|
| N2 | Control | 15 | | 26 | - | 364 |
| | 10 µg/ml | 19 | 26.7% | 30 | $P < 0.0001$ | 360 |
| | 20 µg/ml | 19 | 26.7% | 29 | $P < 0.0001$ | 382 |
| <i>Daf-16</i> | Control | 13 | | 22 | | 334 |
| | 10 µg/ml | 12 | - | 22 | $P = 0.1578\text{ns}$ | 295 |
| <i>Hsf-1</i> | Control | 12 | | 19 | | 331 |
| | 10 µg/ml | 12 | - | 19 | $P = 0.3947\text{ns}$ | 332 |
| <i>Skn-1</i> | Control | 19 | | 30 | | 235 |
| | 10 µg/ml | 19 | - | 30 | $P = 0.3349\text{ ns}$ | 239 |

Statistical significance of the difference between survival curves was determined by log-rank test using the Kaplan-Meier Survival analysis