

Table S1. Effects of RTF on lifespan of *C.elegans*

| Strains | Treatments | N | Mean \pm SD |
|---------------|------------|----|--------------------|
| N2 | Control | 90 | 21.14 \pm 0.84 b |
| | PQ | 90 | 6.43 \pm 0.42 d |
| | RTF | 90 | 23.23 \pm 0.42 a |
| | PQ+RTF | 90 | 8.64 \pm 0.61 c |
| daf-2 (e1370) | Control | 90 | 24.18 \pm 3.55 b |
| | PQ | 90 | 9.53 \pm 1.37 c |
| | RTF | 90 | 25.35 \pm 2.64 a |
| | PQ+RTF | 90 | 9.33 \pm 1.39 c |
| daf-16 (mu86) | Control | 90 | 13.91 \pm 1.03 a |
| | PQ | 90 | 7.69 \pm 2.24 b |
| | RTF | 90 | 14.94 \pm 4.11 a |
| | PQ+RTF | 90 | 7.50 \pm 1.57 b |

Values with different uppercase letters in same concentration groups are significantly different according to Duncan test ($p < 0.05$), values with different lower case letters in same RTE groups are significantly different according to the Duncan test ($p < 0.05$).