

| Strain Name | Genus/Species                       | Source  | Isolation                                                                              | CeMbio % | CeMbio + L.m % | CeMbio + L.I % | OP50 + L.m % | OP50 + L.I % |
|-------------|-------------------------------------|---------|----------------------------------------------------------------------------------------|----------|----------------|----------------|--------------|--------------|
| OP50        | <i>E. coli</i>                      | CGC     | <i>C. elegans</i> Labartory Strain                                                     | 0        | 0              | 0              | 90           | 90           |
| CEN2ent1    | <i>Enterobacter xiangfangensis</i>  | CGC     | Isolate from soil of mesocosm experiment.                                              | 12.7     | 12.7           | 12.7           | 0            | 0            |
| JUb66       | <i>Lelliottia amnigena</i>          | CGC     | Natural isolate                                                                        | 12.7     | 12.7           | 12.7           | 0            | 0            |
| MYb10       | <i>Acinetobacter guillouiae</i>     | CGC     | Natural isolate                                                                        | 11.3     | 11.3           | 11.3           | 0            | 0            |
| JUb19       | <i>Stenotrophomonas maltophilia</i> | CGC     | Natural isolate                                                                        | 10.6     | 10.6           | 10.6           | 0            | 0            |
| JUb134      | <i>Sphingomonas molluscorum</i>     | CGC     | Natural isolate                                                                        | 9.4      | 9.4            | 9.4            | 0            | 0            |
| MYb11       | <i>Pseudomonas lurida</i>           | CGC     | Natural isolate                                                                        | 5.4      | 5.4            | 5.4            | 0            | 0            |
| MSPm1       | <i>Pseudomonas mendocina</i>        | CGC     | Isolate from a <i>C. elegans</i> population in a soil, compost laboratory environment. | 3.6      | 3.6            | 3.6            | 0            | 0            |
| BIGb0172    | <i>Comamonas piscis</i>             | CGC     | Natural isolate                                                                        | 3.4      | 3.4            | 3.4            | 0            | 0            |
| BIGb0393    | <i>Pantoea sp.</i>                  | CGC     | Natural isolate                                                                        | 3.1      | 3.1            | 3.1            | 0            | 0            |
| MYb71       | <i>Ochrobactrum pecoris</i>         | CGC     | Natural isolate                                                                        | 2.1      | 2.1            | 2.1            | 0            | 0            |
| BIGb0170    | <i>Sphingobacterium sp</i>          | CGC     | Natural isolate                                                                        | 1.1      | 1.1            | 1.1            | 0            | 0            |
| JUb44       | <i>Chryseobacterium sp.</i>         | CGC     | Natural isolate                                                                        | 0.8      | 0.8            | 0.8            | 0            | 0            |
| L.m         | <i>Leuconostoc mesenteroides</i>    | OSU-CHS | Organic Basil                                                                          | 0        | 10             | 0              | 10           | 0            |
| L.I         | <i>Lactococcus lactis</i>           | OSU-CHS | Organic Basil                                                                          | 0        | 0              | 10             | 0            | 10           |