Table S3 Growth rate (expressed as the slope $k$) of *F. valutipes* under selenite treatments of various concentrations and their comparisons with the selenite-free treatment.

<table>
<thead>
<tr>
<th>Selenite concentration (mM)</th>
<th>Linear growth period (day)</th>
<th>$k$</th>
<th>$p$ value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1 - 6</td>
<td>1.25</td>
<td></td>
</tr>
<tr>
<td>0.001</td>
<td>1 - 6</td>
<td>1.23</td>
<td>0.5619</td>
</tr>
<tr>
<td>0.01</td>
<td>1 - 6</td>
<td>1.27</td>
<td>0.6855</td>
</tr>
<tr>
<td>0.03</td>
<td>1 - 6</td>
<td>1.25</td>
<td>0.8699</td>
</tr>
<tr>
<td>0.1</td>
<td>1 - 7</td>
<td>1.11</td>
<td><strong>0.0026</strong></td>
</tr>
<tr>
<td>0.3</td>
<td>1 - 7</td>
<td>1.10</td>
<td><strong>0.0001</strong></td>
</tr>
<tr>
<td>1</td>
<td>1 - 4</td>
<td>0.72</td>
<td>&lt; <strong>0.0001</strong></td>
</tr>
</tbody>
</table>

The mycelial growth after the initial adaption period in the solid cultivation was fitted by a linear regression, and the growth rate was expressed as the slope $k$.

**SAS procedure for the slope comparison**

SAS procedure for $k$ comparison between 0 and 0.001 treatment in Table 1

data comp;
input id group time diameter@@; /*time: days after inoculation; diameter: means of colony diameter*/
cards;
  1   1   1   1.025
  2   1   2   2.044
  3   1   3   3.311
  4   1   4   4.638
  5   1   5   5.908
  6   1   6   7.220
  7   2   1   1.045
  8   2   2   1.970
  9   2   3   3.235
 10  2   4   4.445
 11  2   5   5.839
 12  2   6   7.088
;
run;
proc reg data=comp;
by group;
model diameter=time;
run;
data comp2;
set comp;
group1=;
if group=1 then group1=1; else group1=0;
group1time=group1*time;
run;
proc reg data=comp2;
model diameter=group1 time group1time;
test group1time=0; /* if P value < 0.05, this the hypothesis is rejected, and the k values is significantly different between 0 and 1E-3, otherwise the difference is not significant*/
run;