Table S1 Growth rate (expressed as the slope *k*) of *F. valutipes* under selenite treatments of various concentrations and their comparisons with the selenite-free treatment.

Selenite concentration (mM)	Linear growth period (day)	*k*	*p* value
0	1 - 6	1.25	
0.001	1 - 6	1.23	0.5619
0.01	1 - 6	1.27	0.6855
0.03	1 - 6	1.25	0.8699
0.1	1 - 7	1.11	**0.0026**
0.3	1 - 7	1.10	**0.0001**
1	1 - 4	0.72	**< 0.0001**

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;
```