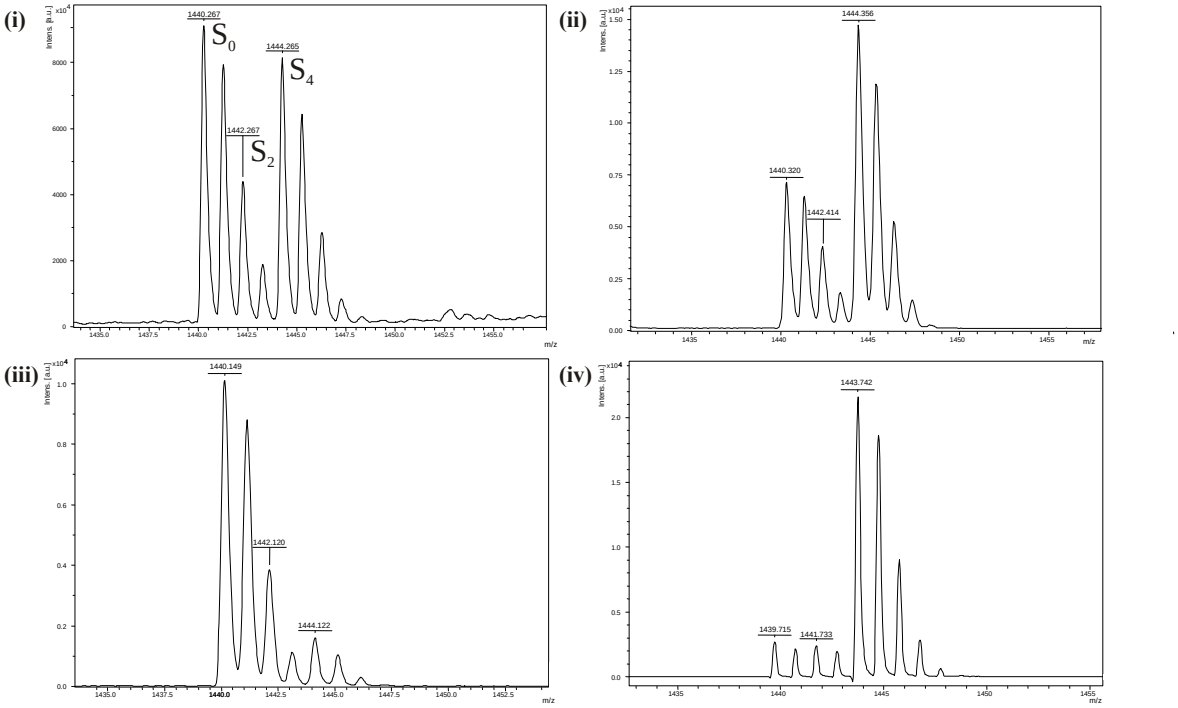
Figure 1

A



B

(1 : 1) (2 : 1) (1 : 5) (10 : 1)

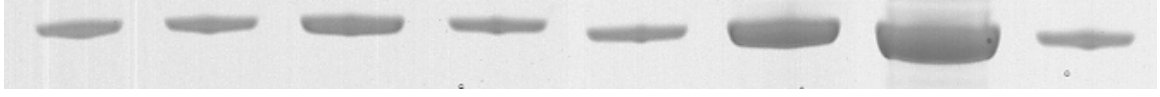


Figure 2

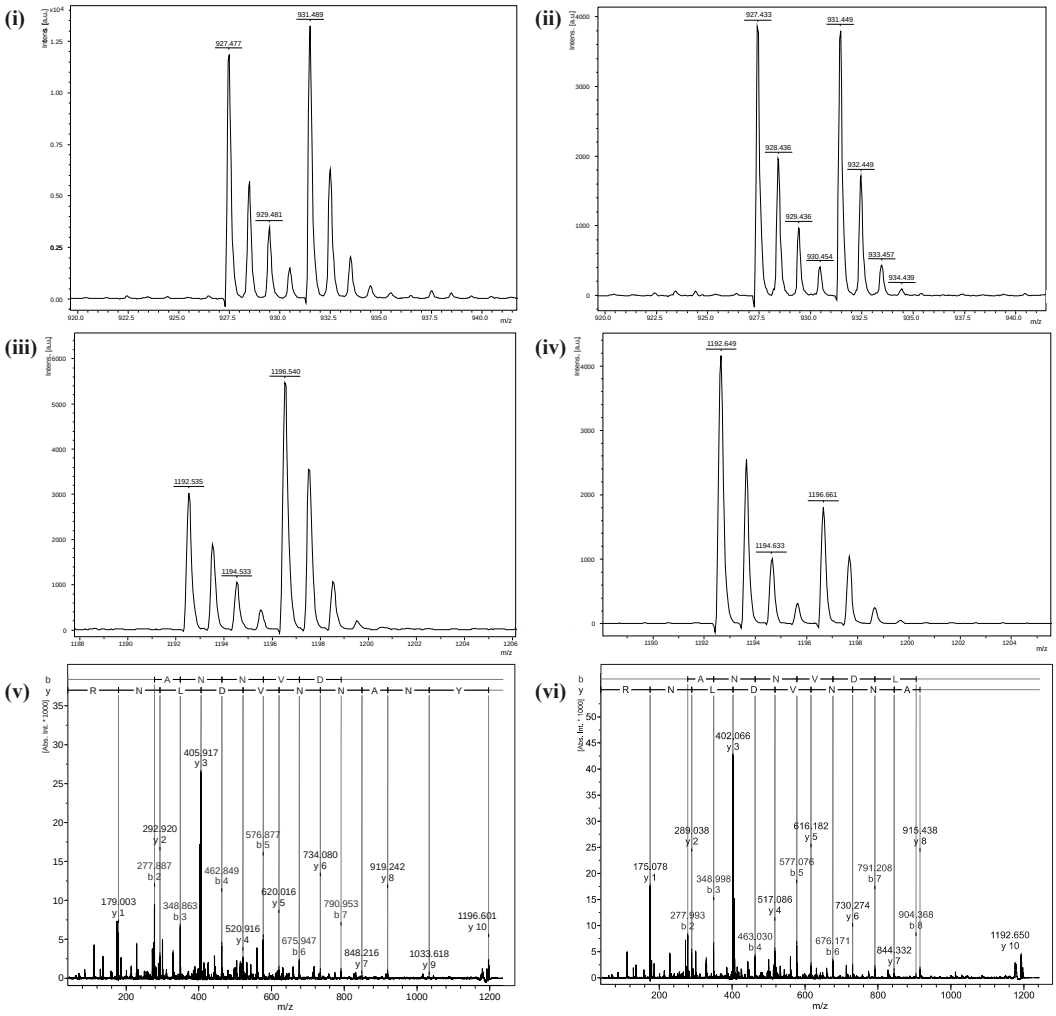
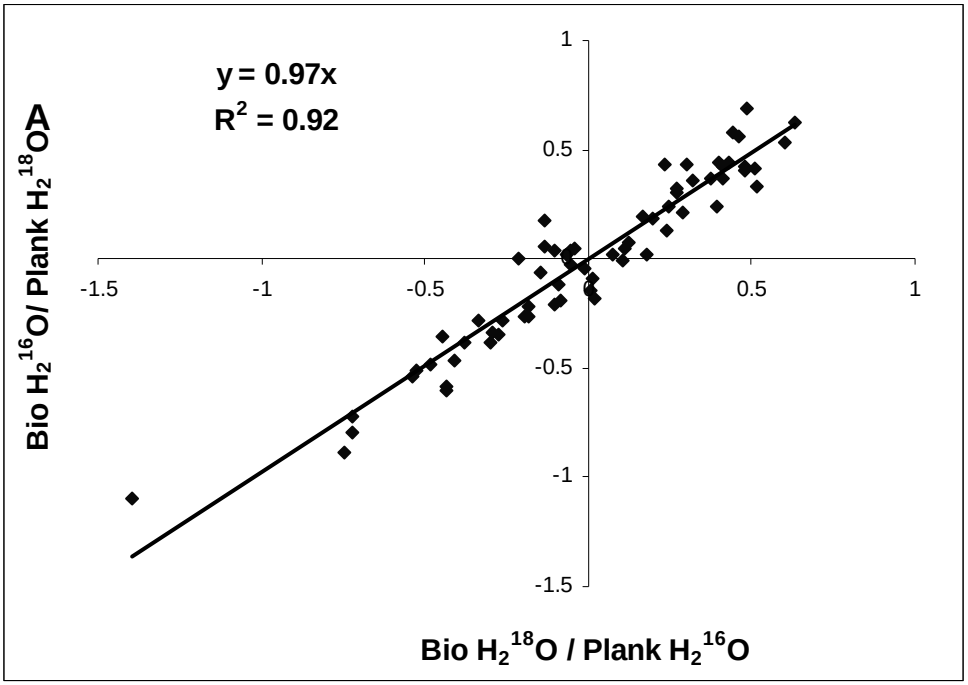

(i)
927.477
931.489
929.481
(ii)
927.433
931.449
928.436
929.436
932.449
930.454
933.457
934.439
(iii)
1196.540
1192.535
1194.533
(iv)
1192.649
1196.661
1194.633
(v)
R N L D V N N A N Y
405.917 y3
292.920 y2
277.887 b2
462.849 b4
576.877 b5
734.080 y6
620.016 y5
919.242 y8
179.003 y1
348.863 b3
520.916 y4
675.947 b6
790.953 b7
848.216 y7
1033.618 y9
1196.601 y10
m/z
(vi)
R N L D V N N A L
402.066 y3
289.038 y2
616.182 y5
915.438 y8
175.078 y1
577.076 b5
791.208 b7
348.998 b3
517.086 y4
730.274 y6
277.993 b2
904.368 b8
463.030 b4
676.171 b6
844.332 y7
1192.650 y10
m/z

Figure 3


A
y = 0.97x
R2 = 0.92
Bio H2 16O/ Plank H2 18O
Bio H2 18O / Plank H2 16O
1
0.5
-1.5
-1
-0.5
0
0.5
1
-0.5
-1
-1.5

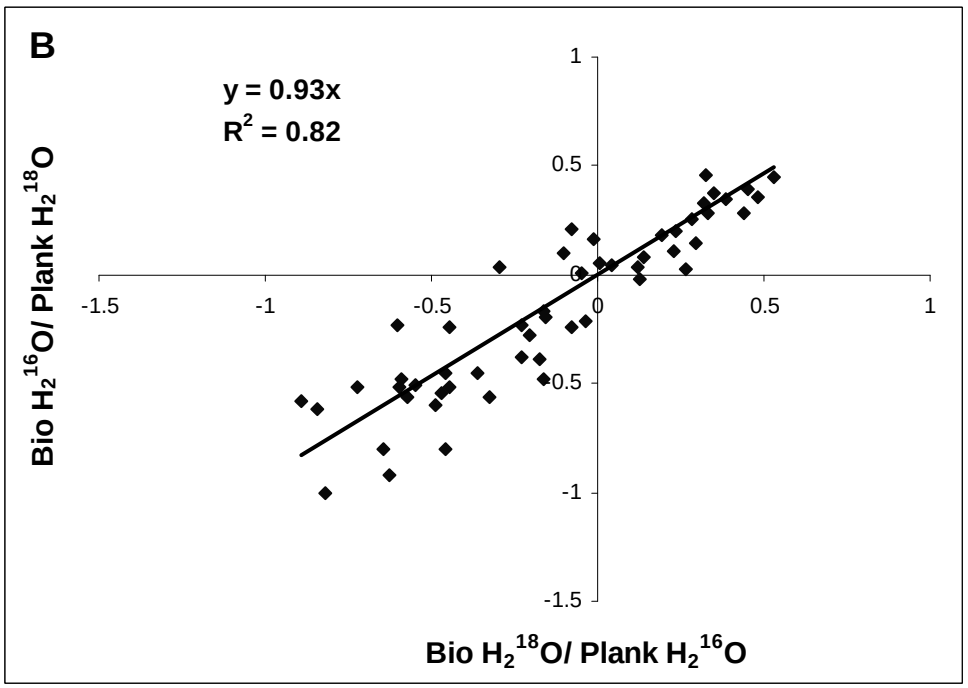

B
y = 0.93x
R2 = 0.82
Bio H2 16O/ Plank H2 18O
Bio H2 18O/ Plank H2 16O
1
0.5
-1.5
-1
-0.5
0
0.5
1
-0.5
-1
-1.5

Figure 4

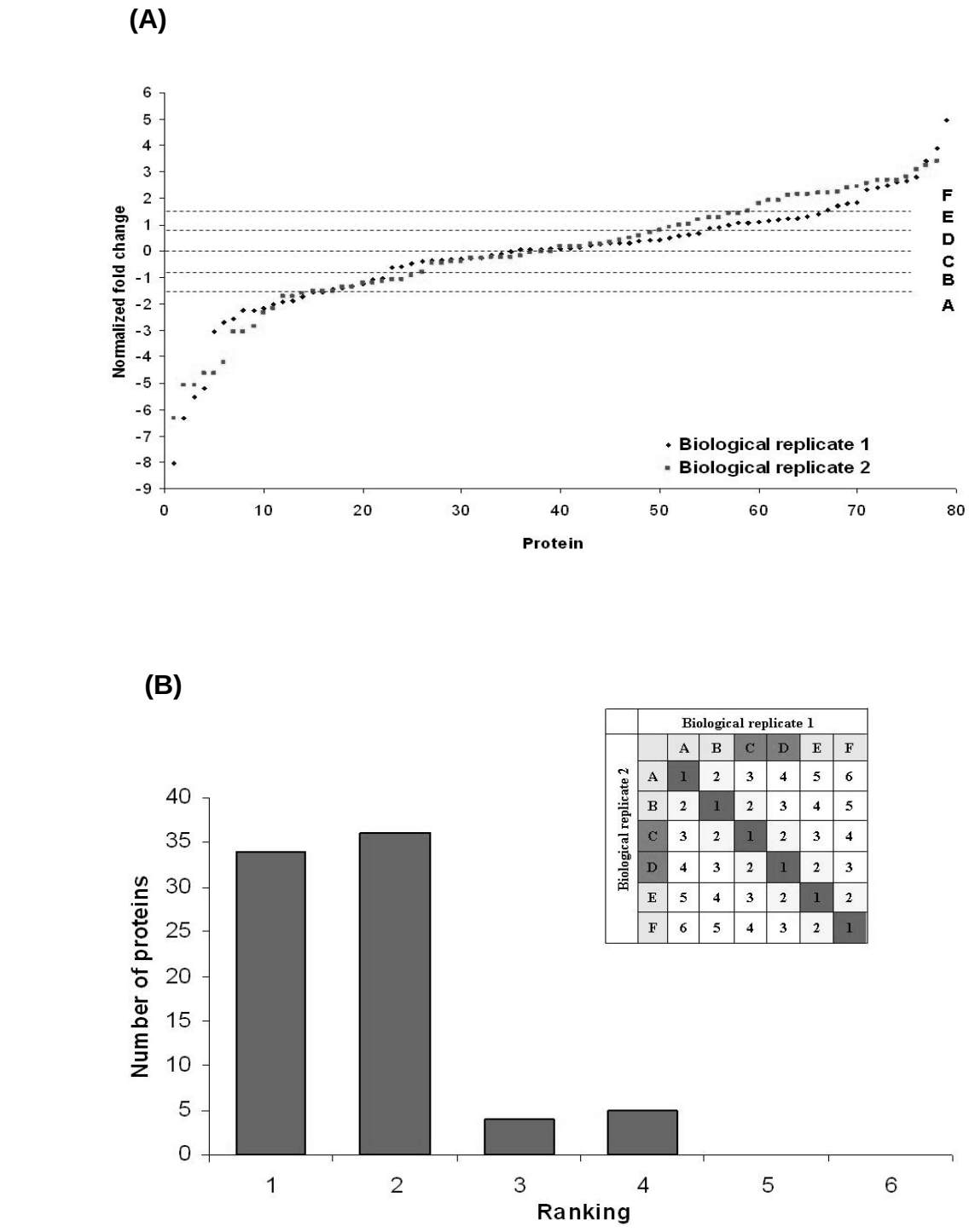

(A)
Normalized fold change
Protein
Biological replicate 1
Biological replicate 2
F
E
D
C
B
A
(B)
Number of proteins
Ranking
Biological replicate 1
Biological replicate 2
A B C D E F
A 1 2 3 4 5 6
B 2 1 2 3 4 5
C 3 2 1 2 3 4
D 4 3 2 1 2 3
E 5 4 3 2 1 2
F 6 5 4 3 2 1

Figure 5

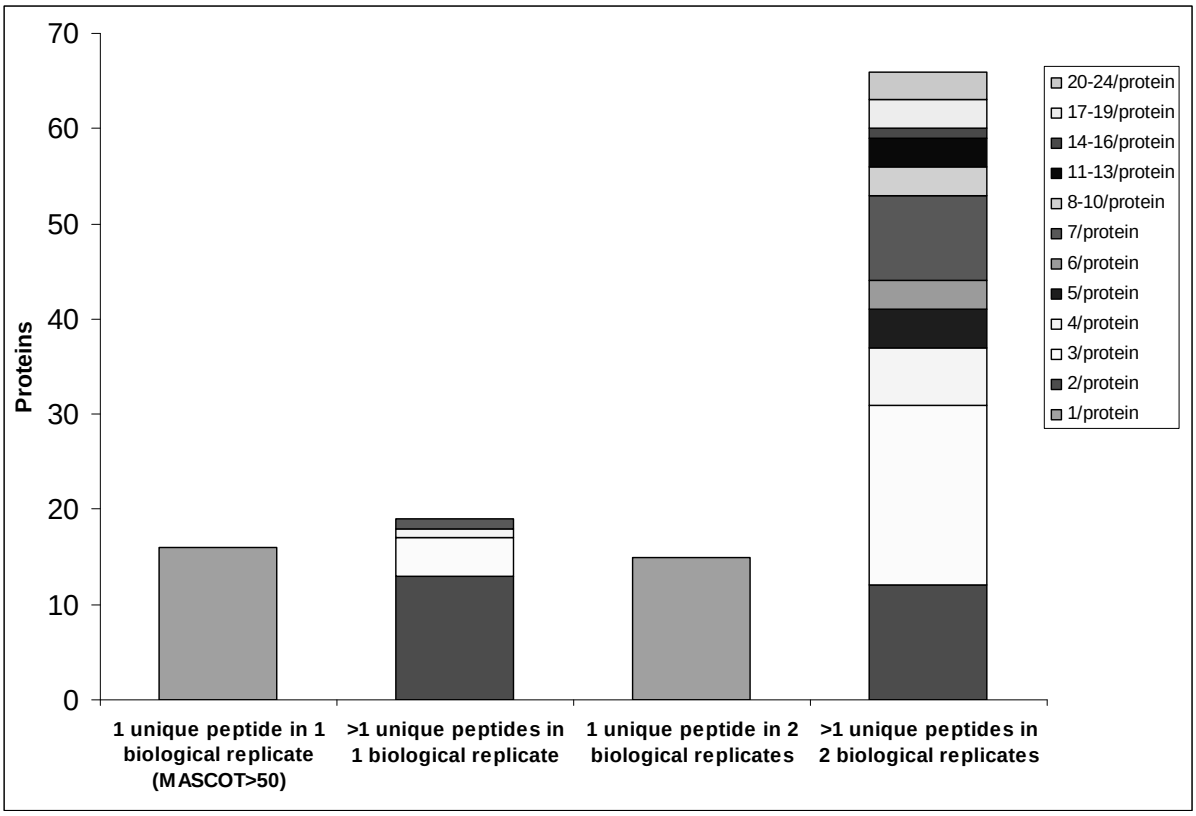

70
60
50
40
30
20
10
0
Proteins
1 unique peptide in 1 biological replicate (MASCOT>50)
>1 unique peptides in 1 biological replicate
1 unique peptide in 2 biological replicates
>1 unique peptides in 2 biological replicates
20-24/protein
17-19/protein
14-16/protein
11-13/protein
8-10/protein
7/protein
6/protein
5/protein
4/protein
3/protein
2/protein
1/protein

Figure 6

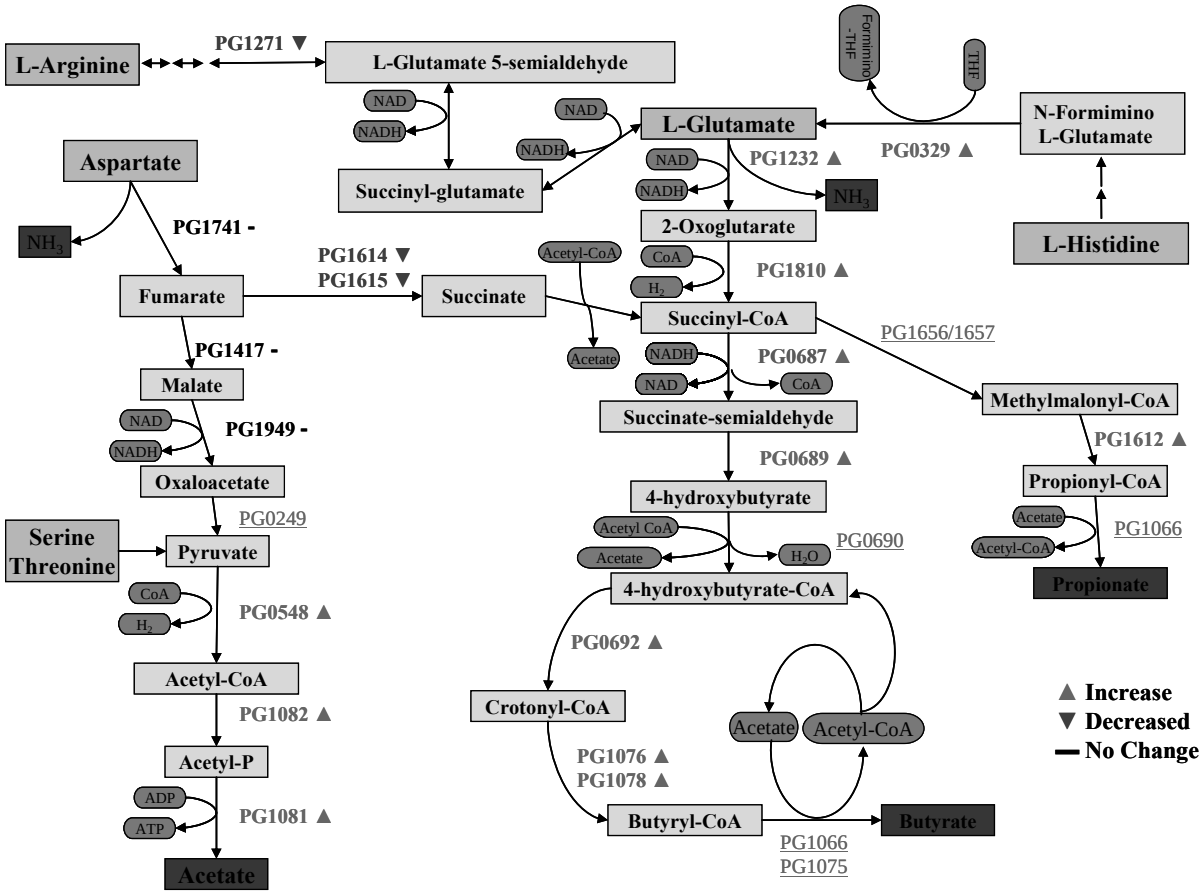
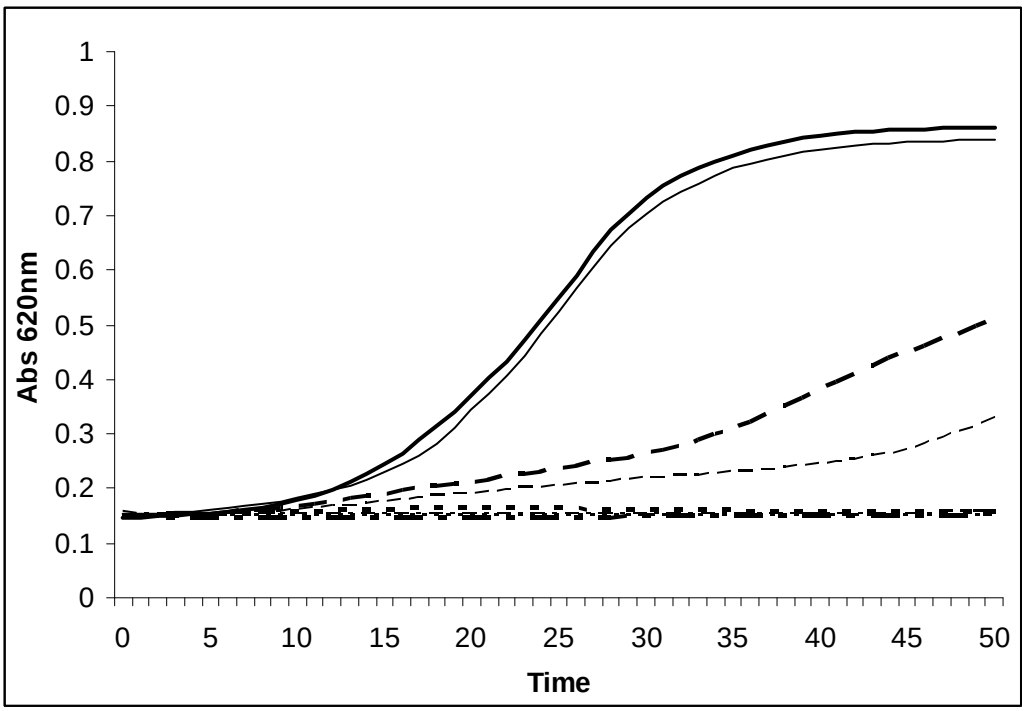

L-Arginine
PG1271 ▼
L-Glutamate 5-semialdehyde
NAD
NADH
Succinyl-glutamate
L-Glutamate
PG1232 ▲
NH3
2-Oxoglutarate
Formimino -THF
THF
N-Formimino L-Glutamate
PG0329 ▲
L-Histidine
Aspartate
NH3
PG1741 -
Fumarate
PG1614 ▼
PG1615 ▼
Succinate
Acetyl-CoA
CoA
H2
PG1810 ▲
Succinyl-CoA
PG1656/1657
Acetate
PG1417 -
Malate
PG0687 ▲
Methylmalonyl-CoA
PG1949 -
Oxaloacetate
Succinate-semialdehyde
PG1612 ▲
PG0689 ▲
Propionyl-CoA
PG0249
4-hydroxybutyrate
Serine Threonine
Pyruvate
PG0690
H2O
PG1066
Propionate
4-hydroxybutyrate-CoA
PG0548 ▲
PG0692 ▲
Acetyl-CoA
Crotonyl-CoA
PG1082 ▲
Acetyl-P
PG1076 ▲
PG1078 ▲
ADP
ATP
PG1081 ▲
Butyryl-CoA
Butyrate
PG1066
PG1075
▲ Increase
▼ Decreased
— No Change

Figure 7

(A)


Abs 620nm
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
5
10
15
20
25
30
35
40
45
50
Time

(B)

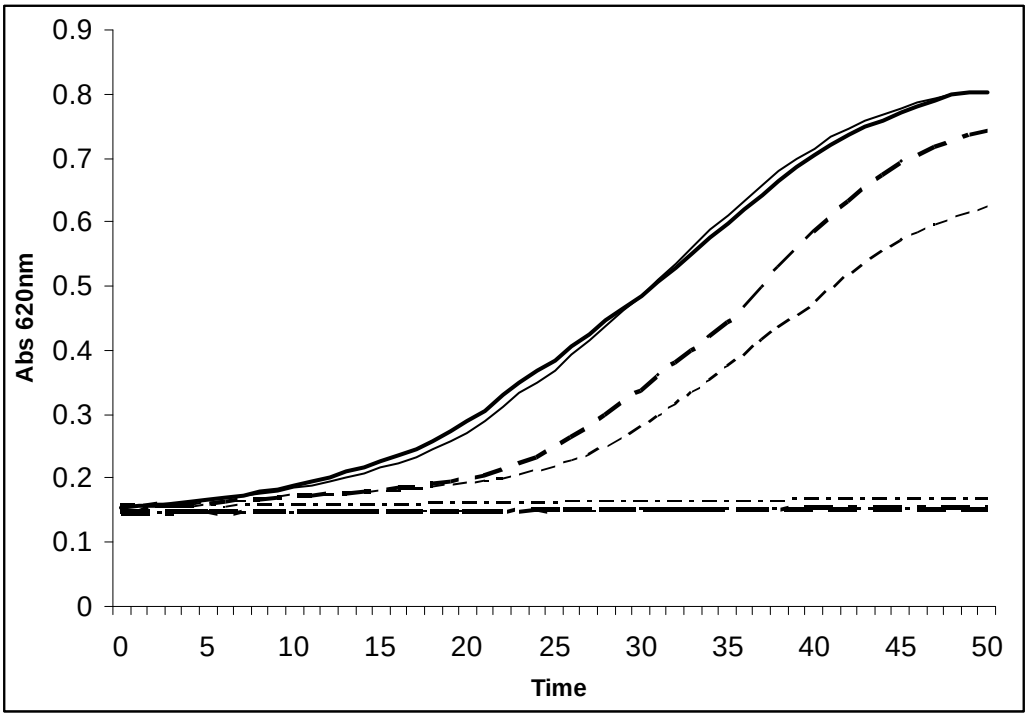

Abs 620nm
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
5
10
15
20
25
30
35
40
45
50
Time

Figure 8

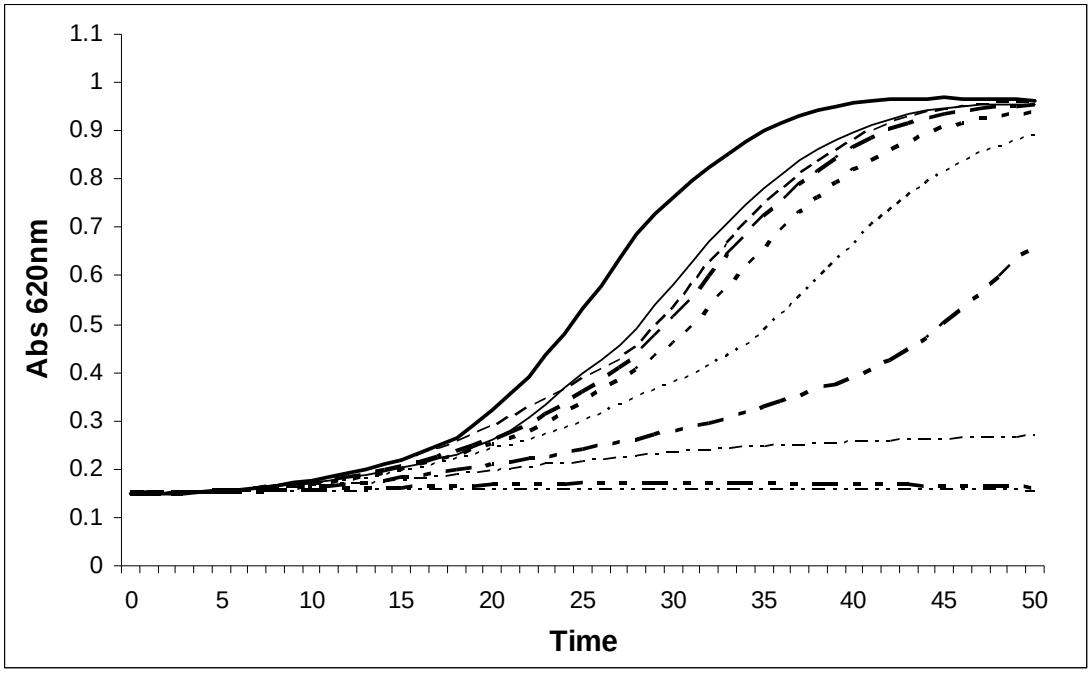

Abs 620nm
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
5
10
15
20
25
30
35
40
45
50
Time

Figure 9

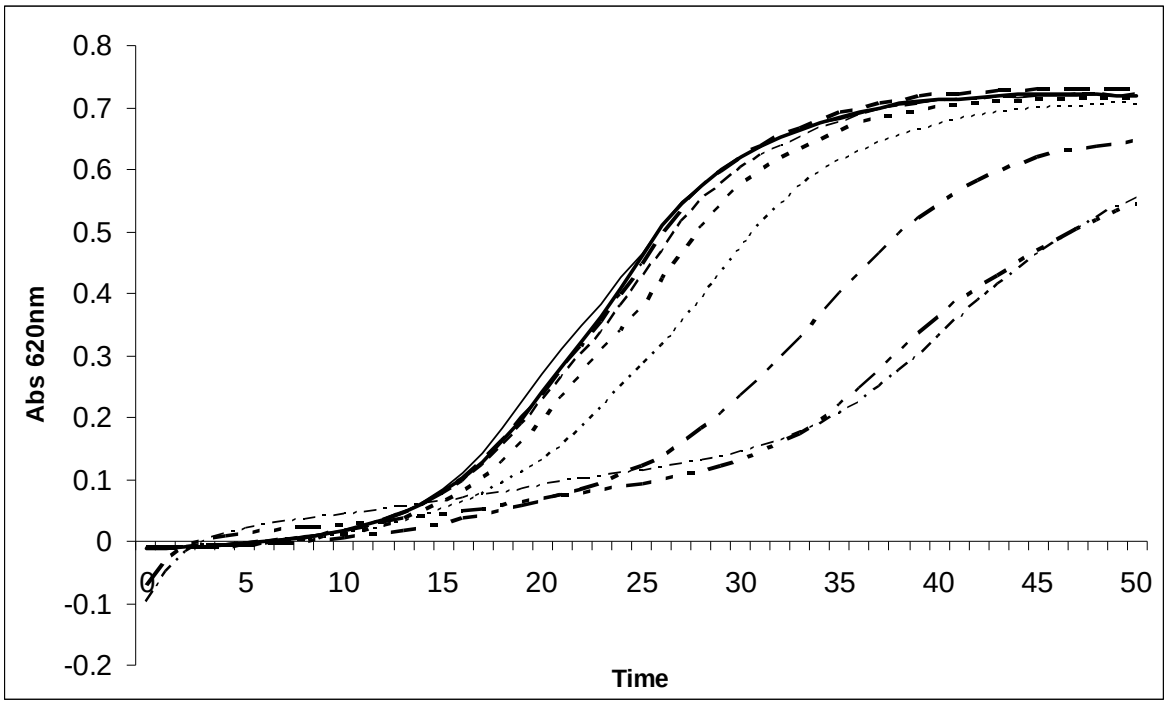
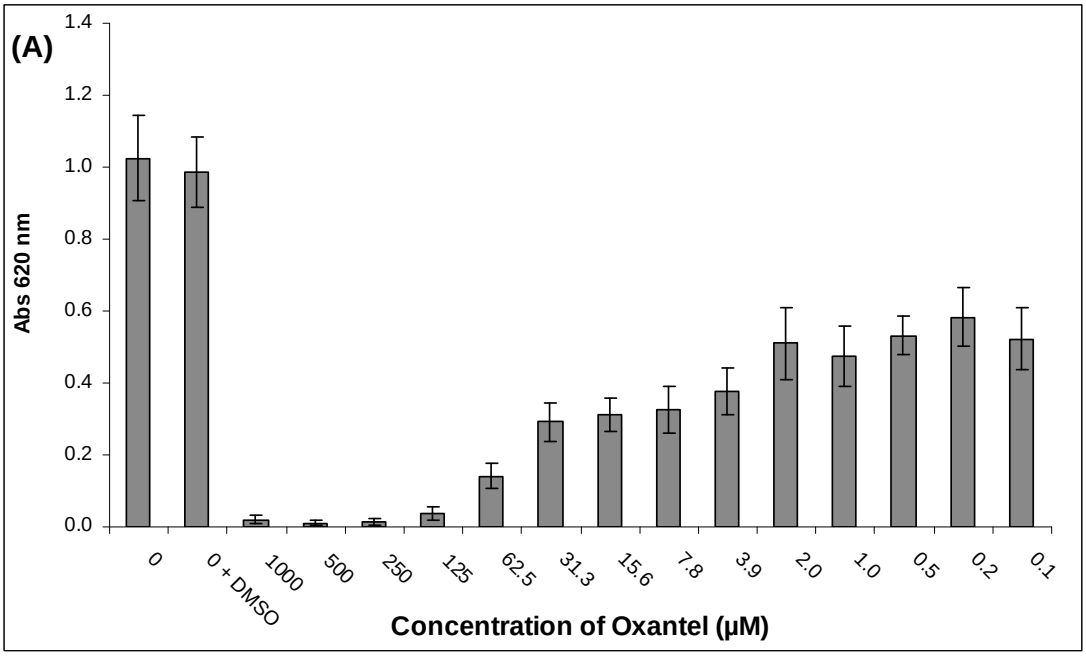

0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
Abs 620nm
0
5
10
15
20
25
30
35
40
45
50
Time

Figure 10


(A)
Abs 620 nm
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
0 + DMSO
1000
500
250
125
62.5
31.3
15.6
7.8
3.9
2.0
1.0
0.5
0.2
0.1
Concentration of Oxantel (µM)

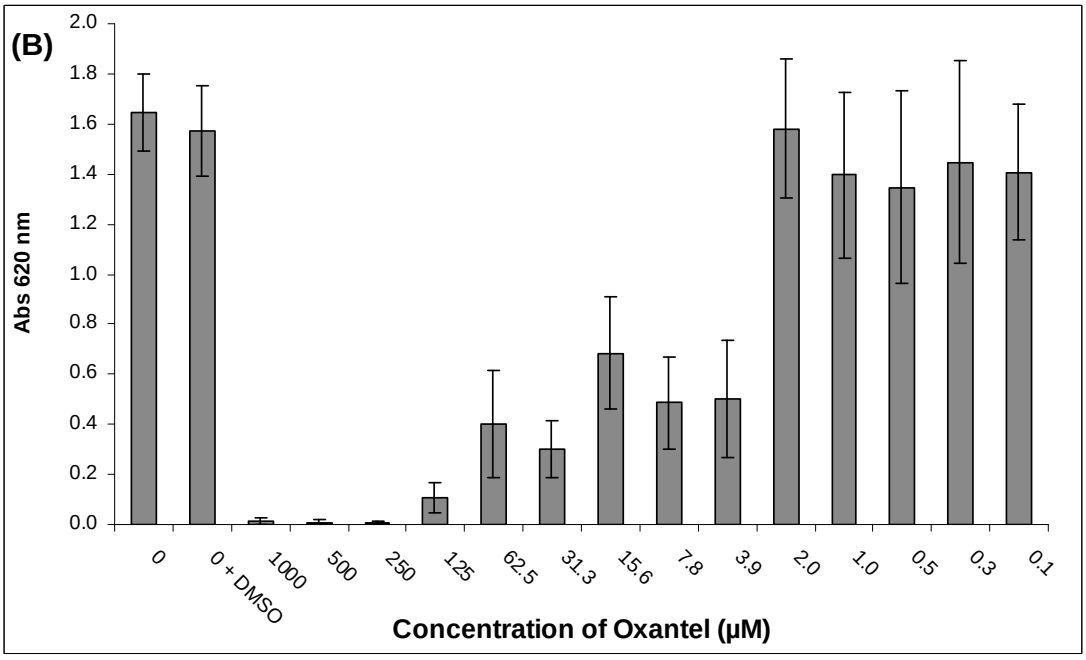

(B)
Abs 620 nm
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
0 + DMSO
1000
500
250
125
62.5
31.3
15.6
7.8
3.9
2.0
1.0
0.5
0.3
0.1
Concentration of Oxantel (µM)

Figure 11

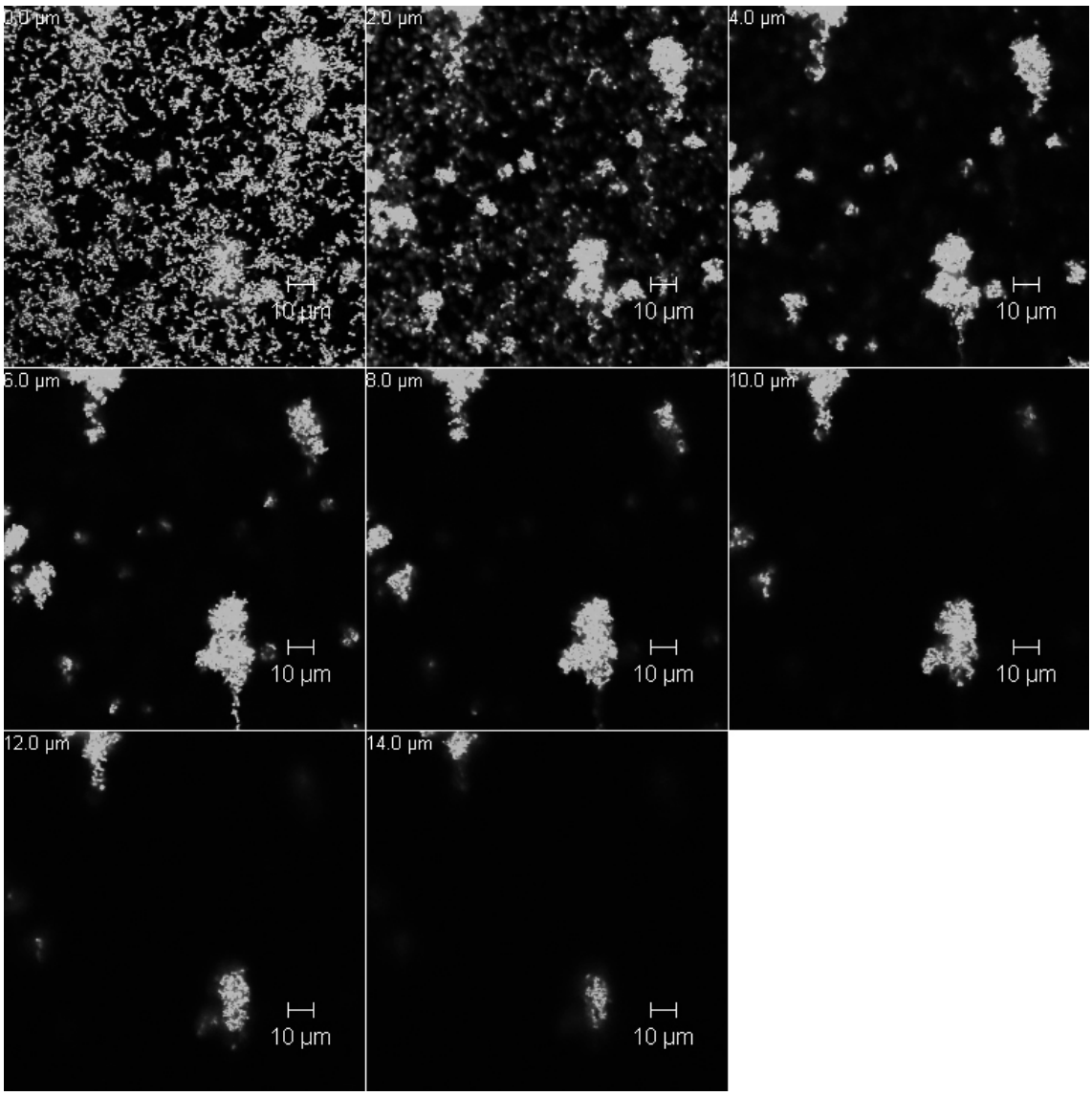

0.0 µm
10 µm
2.0 µm
10 µm
4.0 µm
10 µm
6.0 µm
10 µm
8.0 µm
10 µm
10.0 µm
10 µm
12.0 µm
10 µm
14.0 µm
10 µm

Figure 12

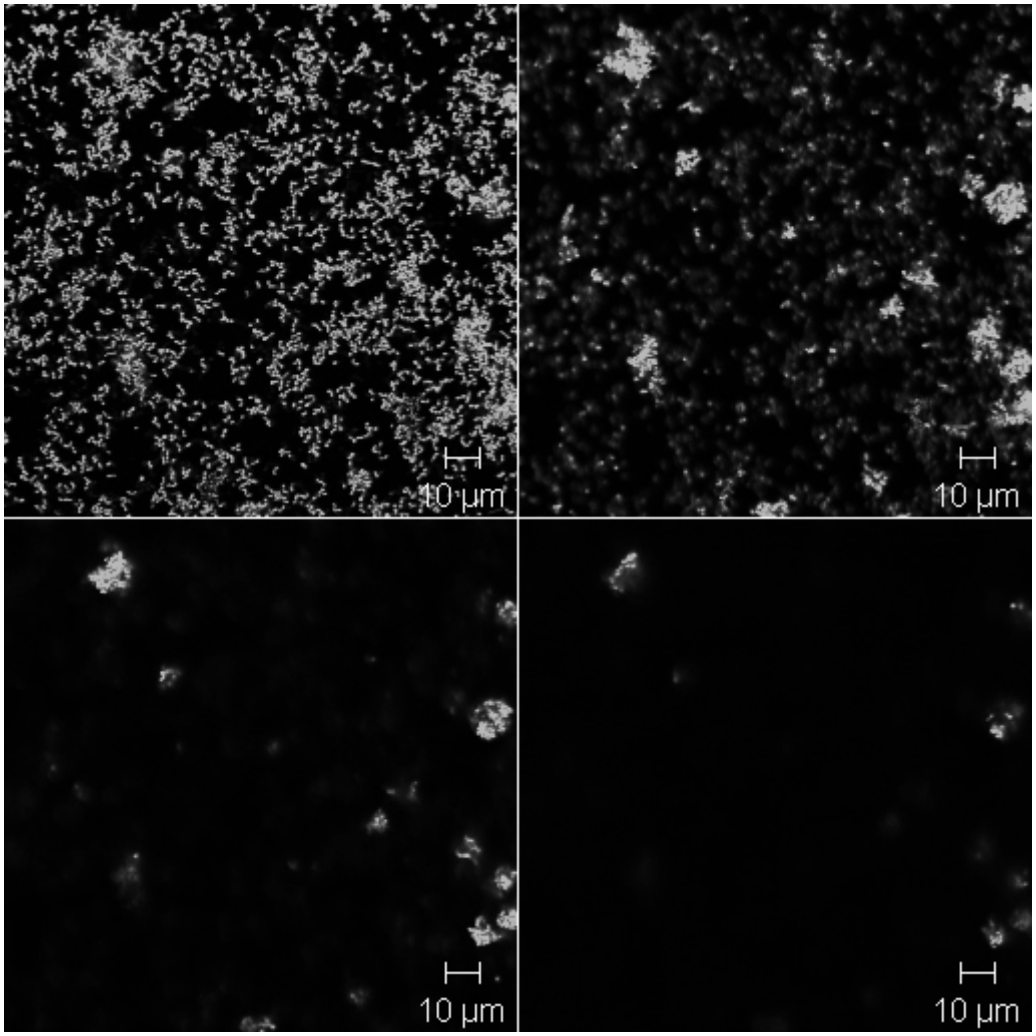


Figure 13

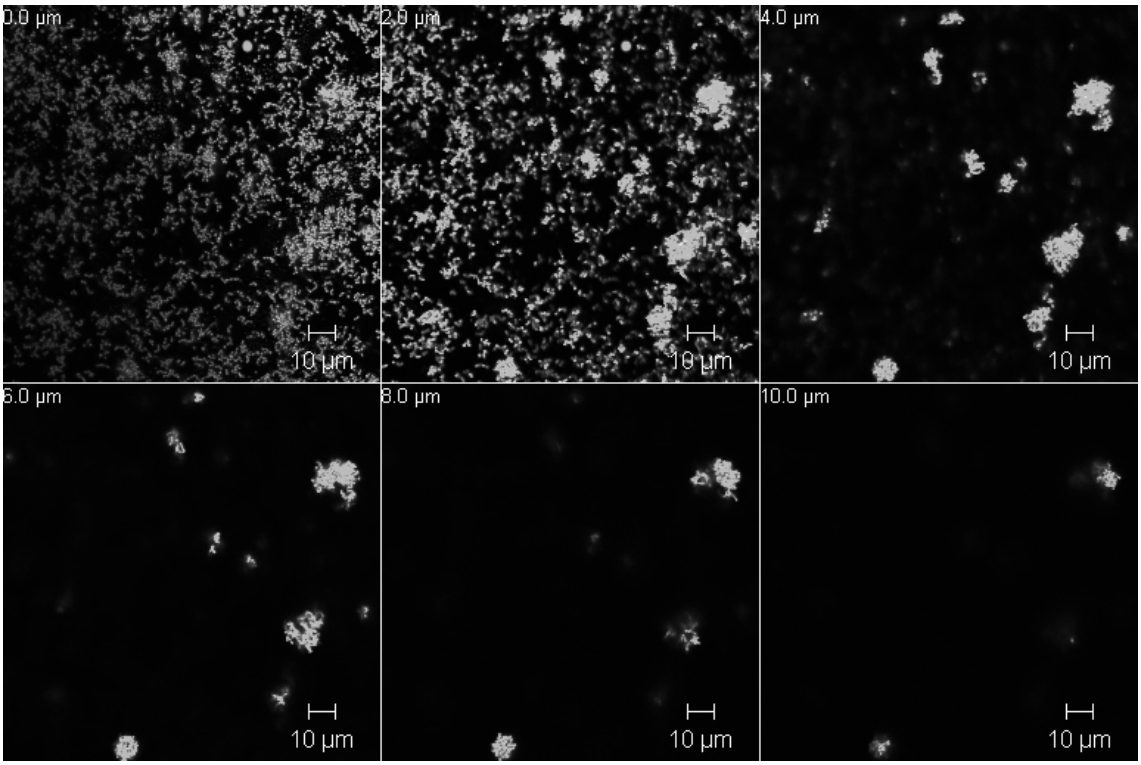
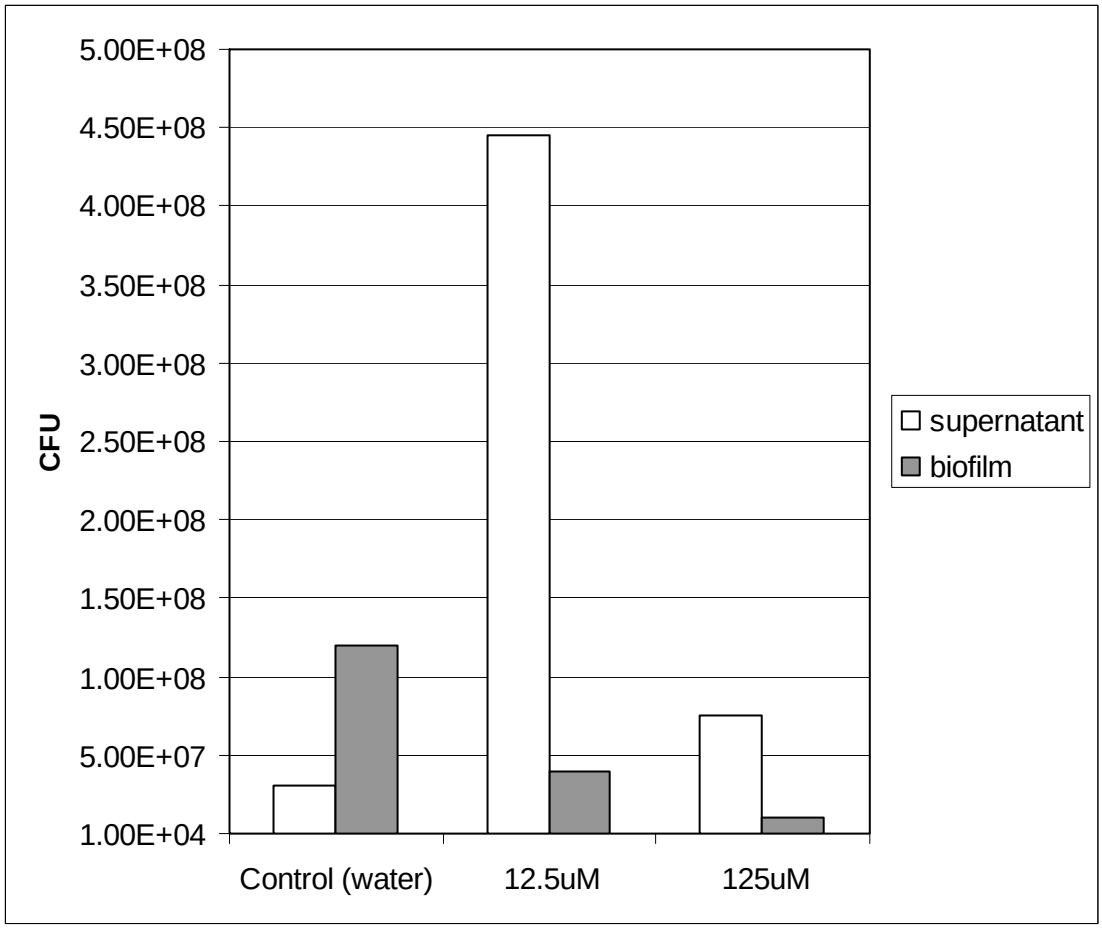


Figure 14


5.00E+08
4.50E+08
4.00E+08
3.50E+08
3.00E+08
2.50E+08
2.00E+08
1.50E+08
1.00E+08
5.00E+07
1.00E+04
CFU
Control (water)
12.5uM
125uM
supernatant
biofilm