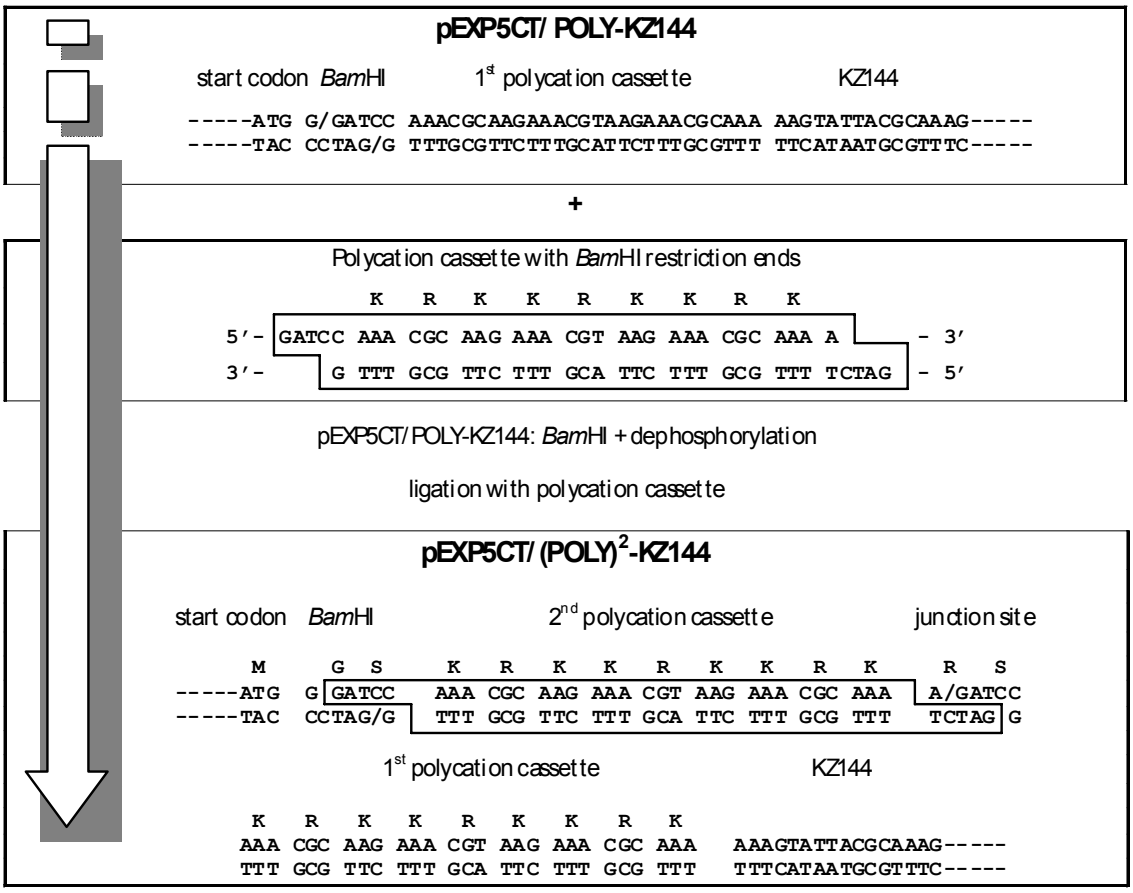

pEXP5CT/ POLY-KZ144
start codon BamHI
1st polycation cassette
KZ144
-----ATG G/GATCC AAACGCAAGAAACGTAAGAAACGCAAA AAGTATTACGCAAAG-----
-----TAC CCTAG/G TTTGCGTTCTTTGCATTCTTTGCGTTT TTCATAATGCGTTTC-----
+
Polycation cassette with BamHI restriction ends
K R K K R K K R K
5'- GATCC AAA CGC AAG AAA CGT AAG AAA CGC AAA A - 3'
3'- G TTT GCG TTC TTT GCA TTC TTT GCG TTT TCTAG - 5'
pEXP5CT/POLY-KZ144: BamHI + dephosphorylation
ligation with polycation cassette
pEXP5CT/(POLY)2-KZ144
start codon BamHI
2nd polycation cassette
junction site
M G S K R K K R K K R K R S
-----ATG G GATCC AAA CGC AAG AAA CGT AAG AAA CGC AAA A/GATCC
-----TAC CCTAG/G TTT GCG TTC TTT GCA TTC TTT GCG TTT TCTAG G
1st polycation cassette
KZ144
K R K K R K K R K
AAA CGC AAG AAA CGT AAG AAA CGC AAA AAAGTATTACGCAAAG-----
TTT GCG TTC TTT GCA TTC TTT GCG TTT TTTCATAATGCGTTTC-----

Figure 1

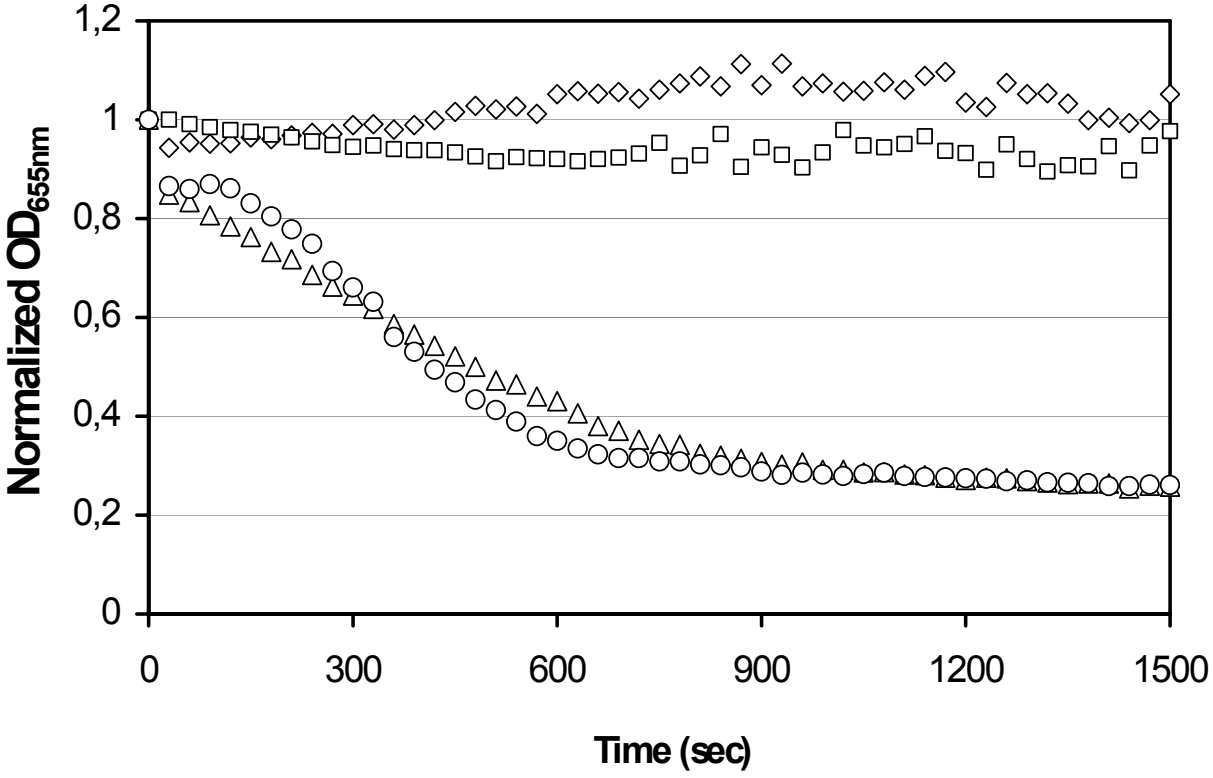

1,2
1
0,8
0,6
0,4
0,2
0
Normalized OD655nm
0
300
600
900
1200
1500
Time (sec)

Figure 2

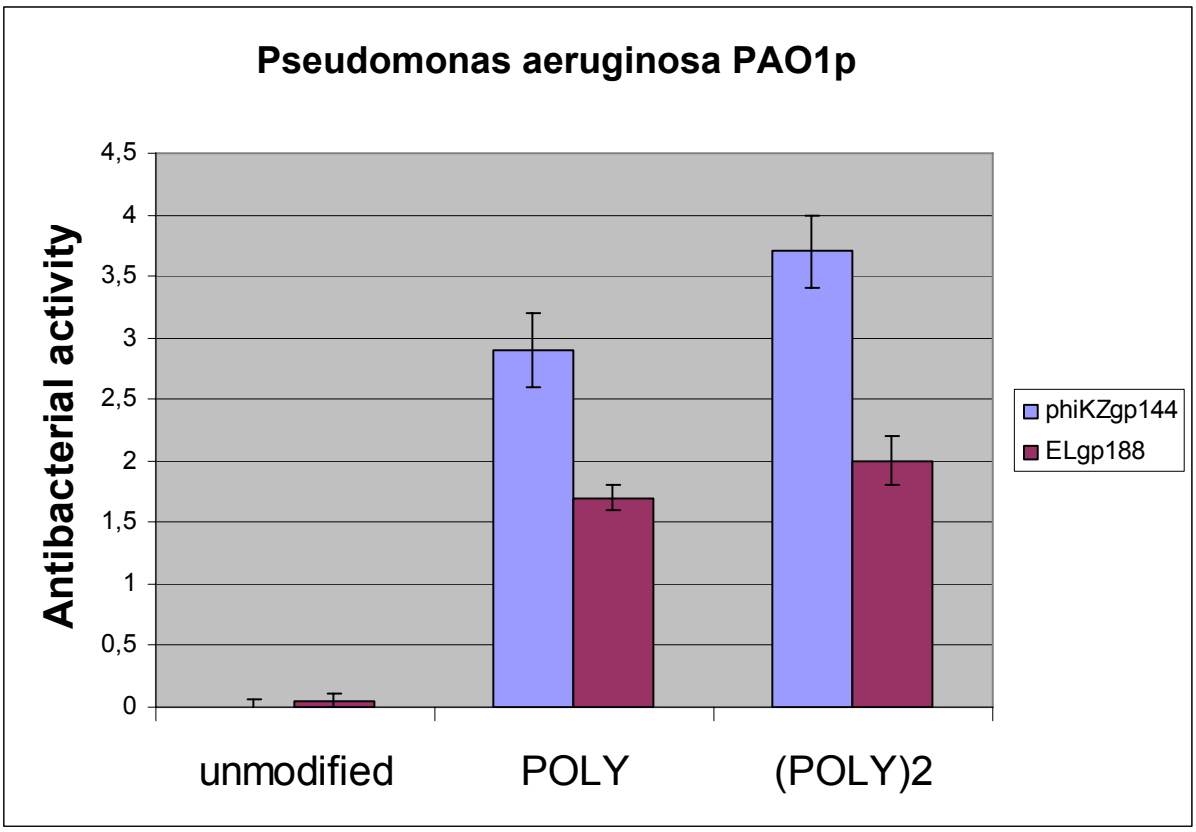

Pseudomonas aeruginosa PAO1p
Antibacterial activity
4,5
4
3,5
3
2,5
2
1,5
1
0,5
0
unmodified
POLY
(POLY)2
phiKZgp144
ELgp188

Figure 3

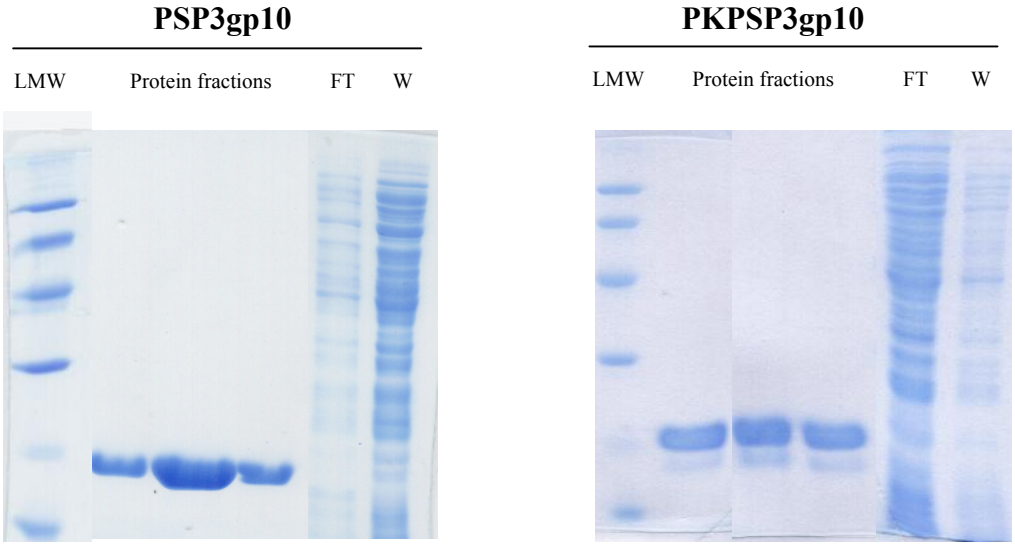

PSP3gp10
LMW
Protein fractions
FT
W
PKPSP3gp10
LMW
Protein fractions
FT
W

Figure 4

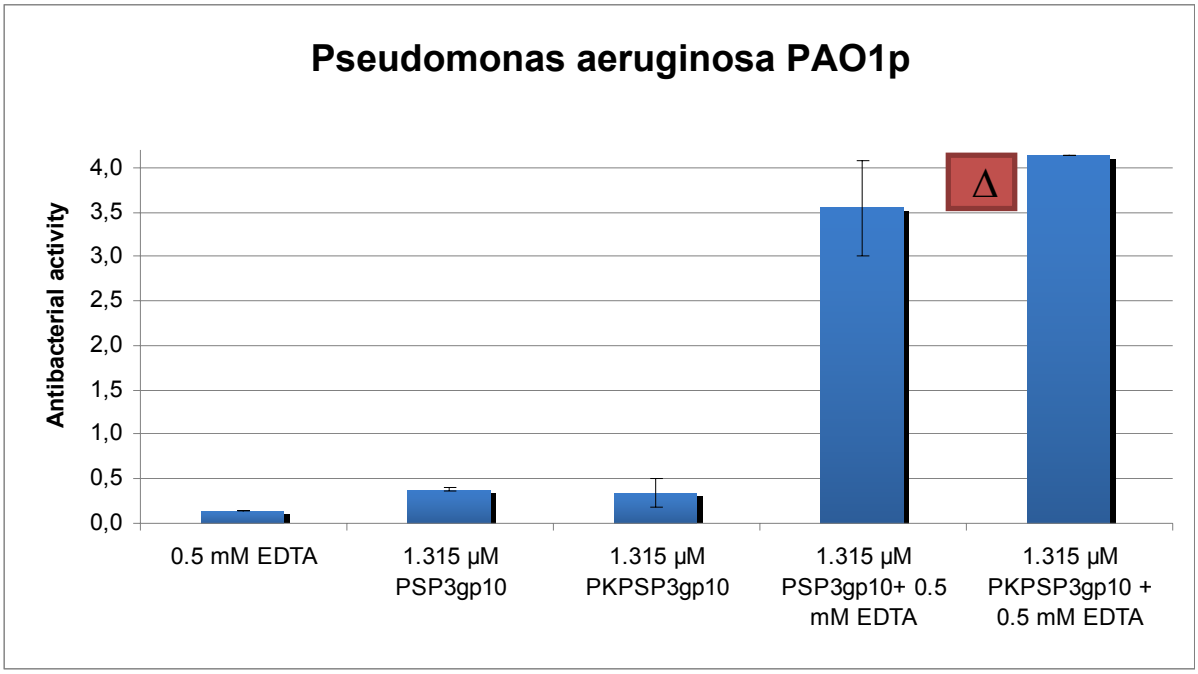


Figure 5 A

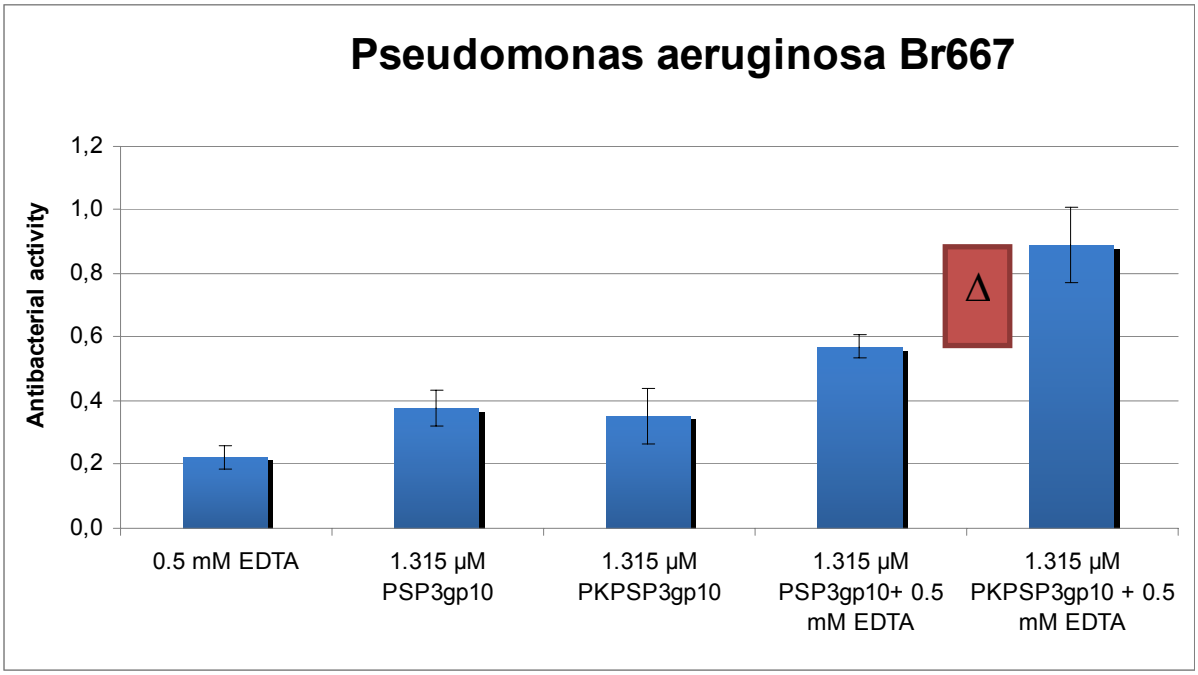


Figure 5 B

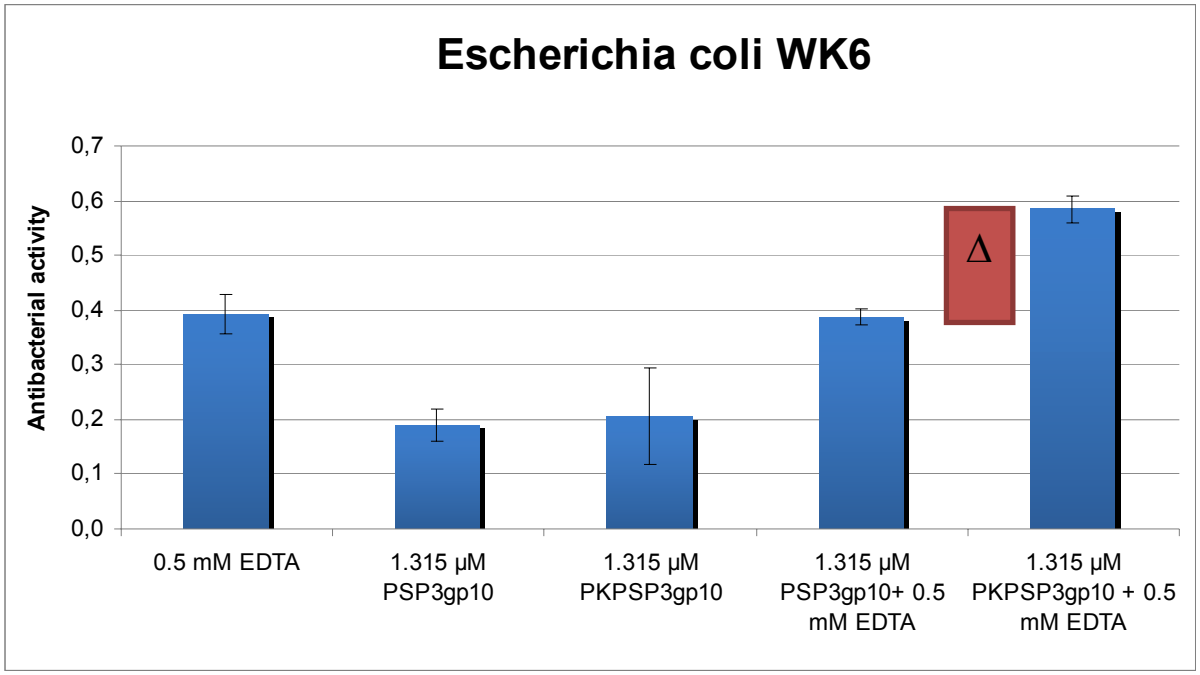


Figure 5 C

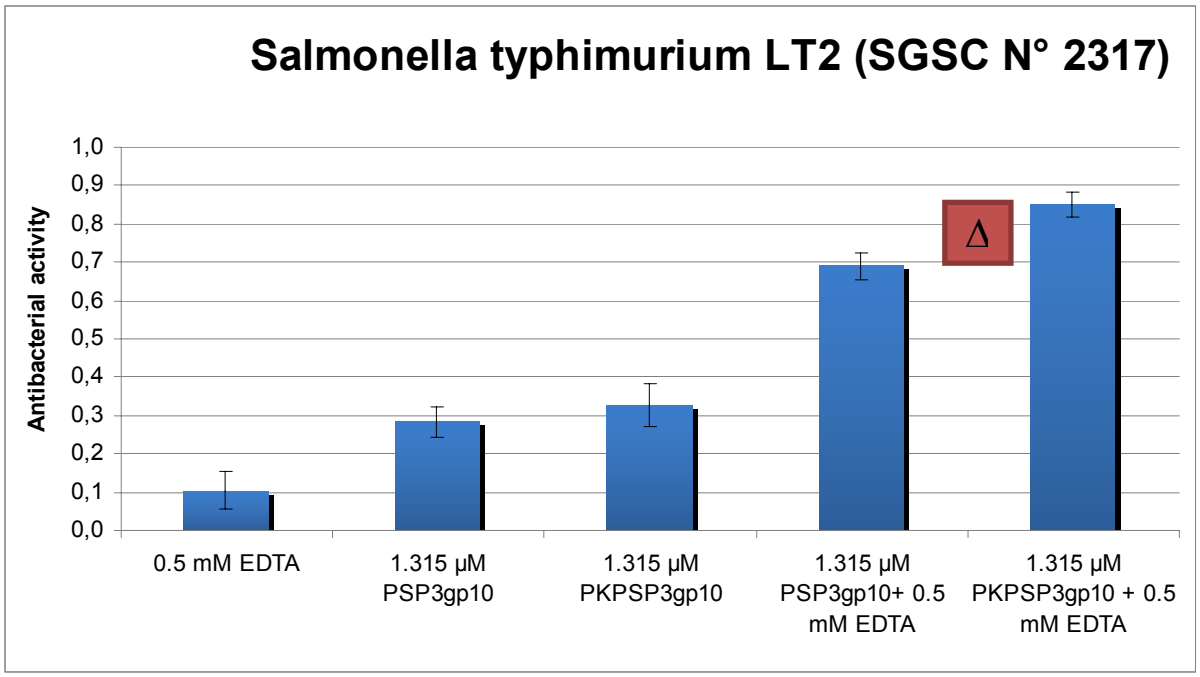


Figure 5 D

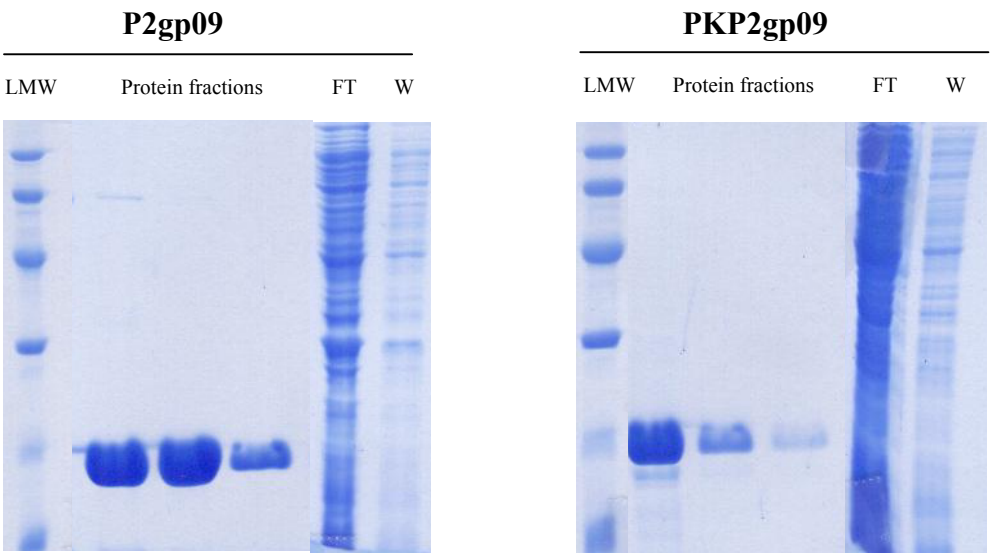


Figure 6

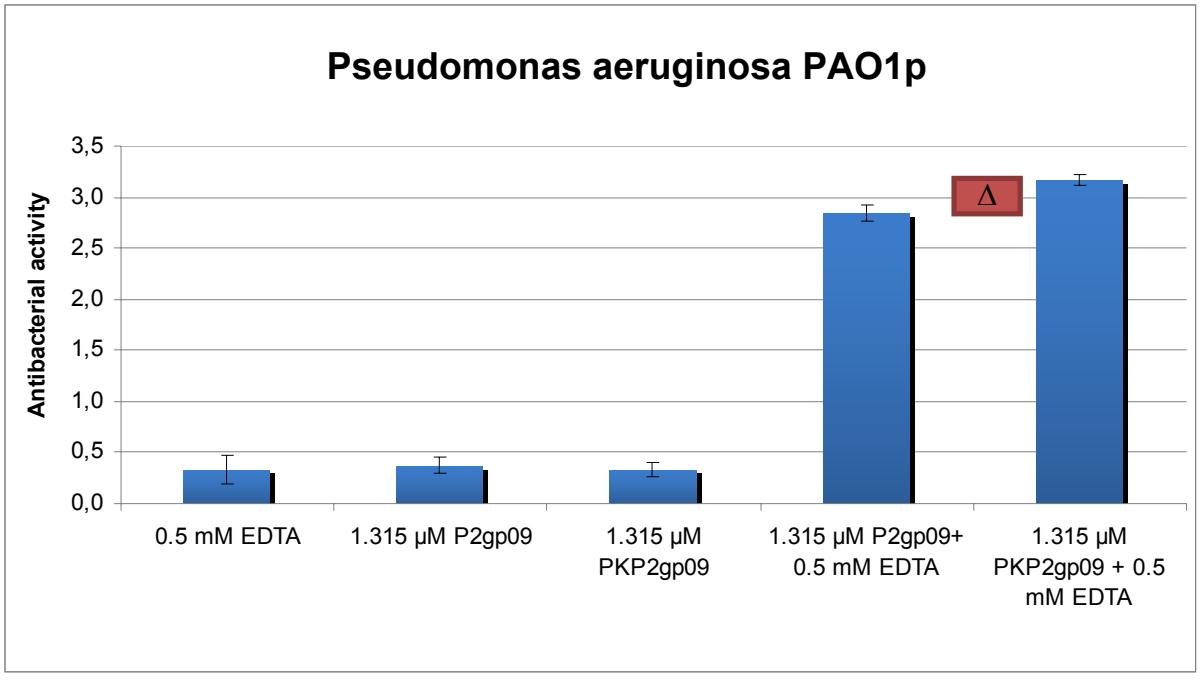


Figure 7 A

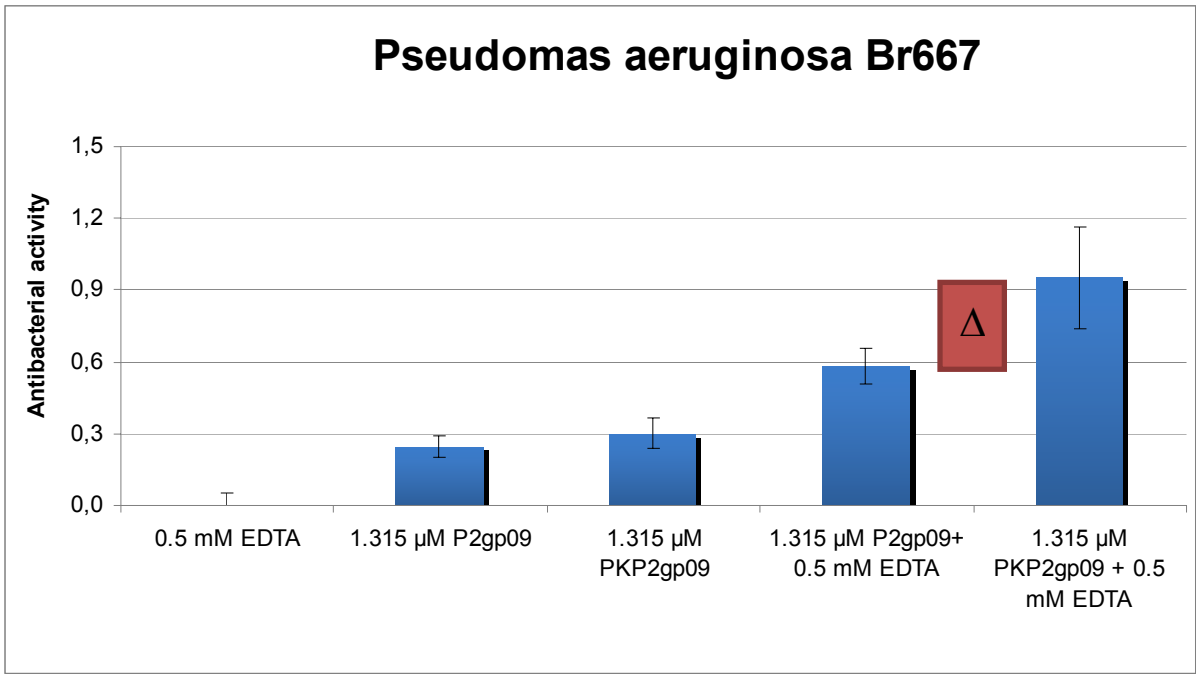


Figure 7 B

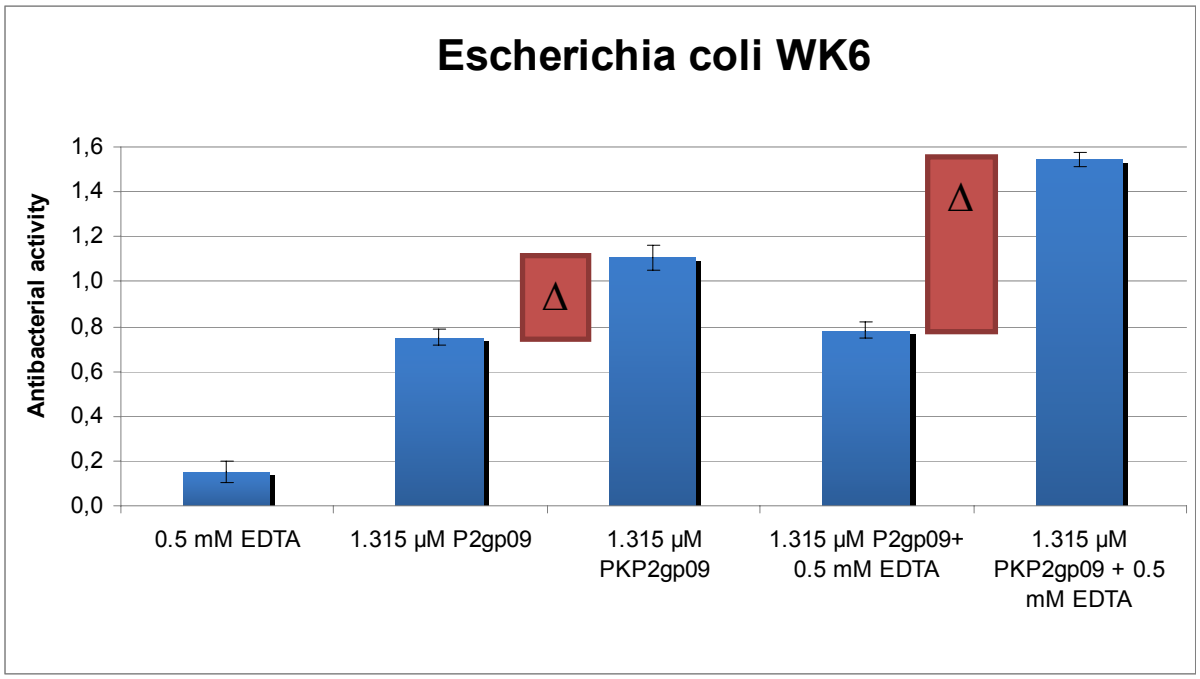


Figure 7 C

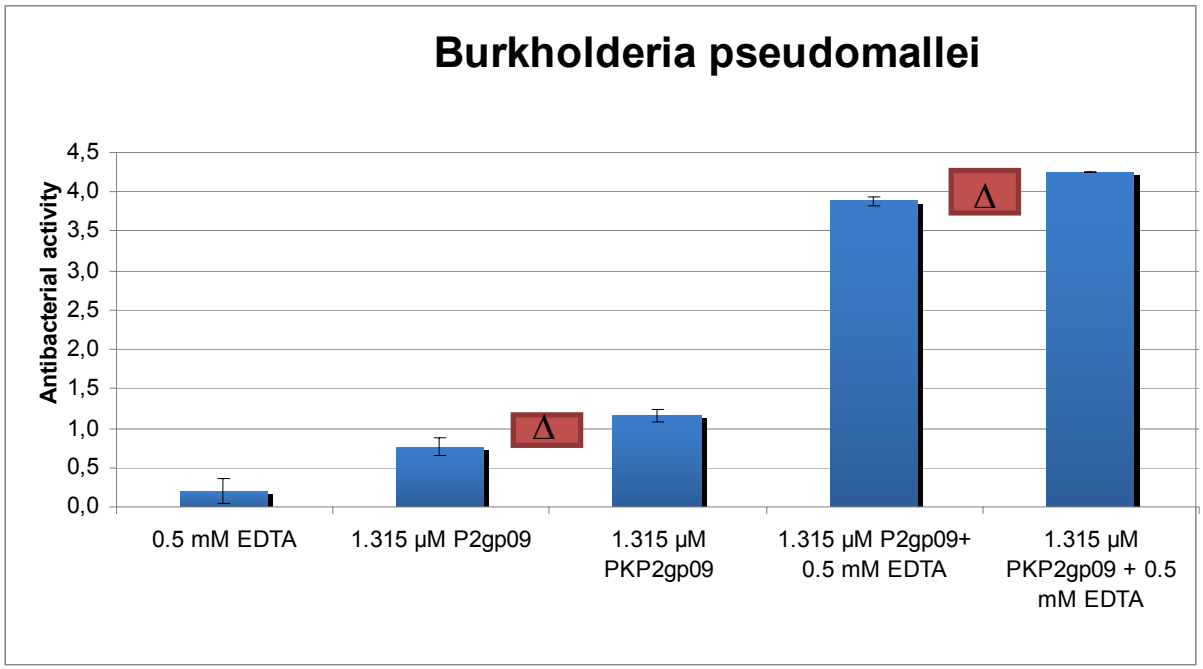


Figure 7 D

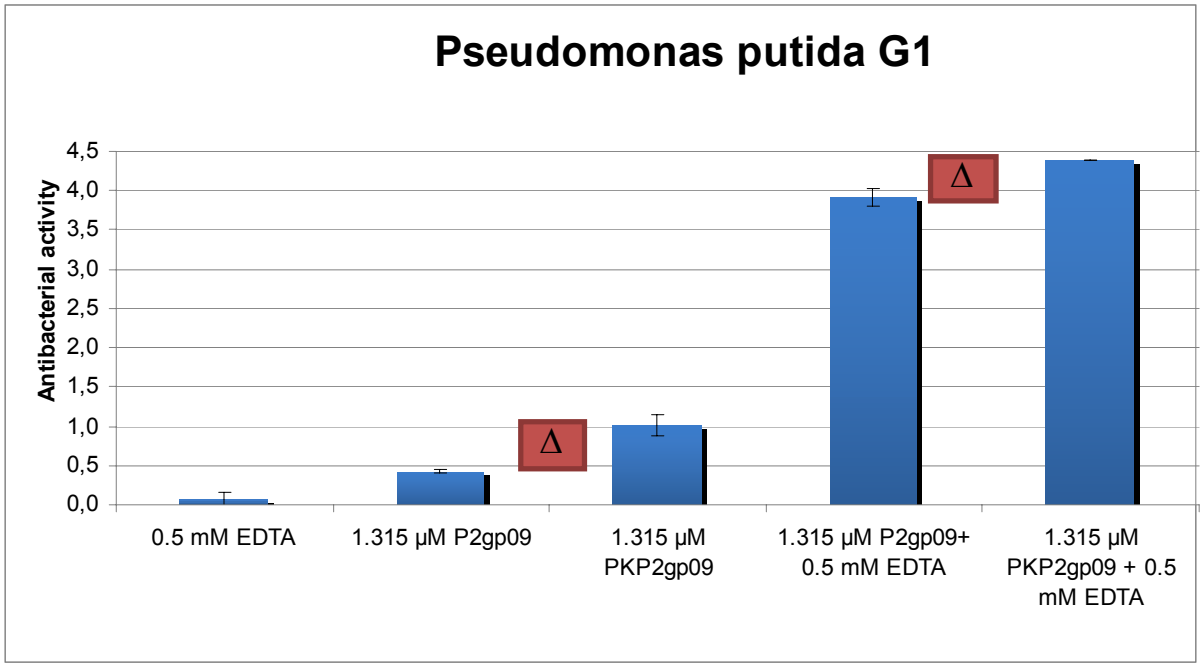


Figure 7 E

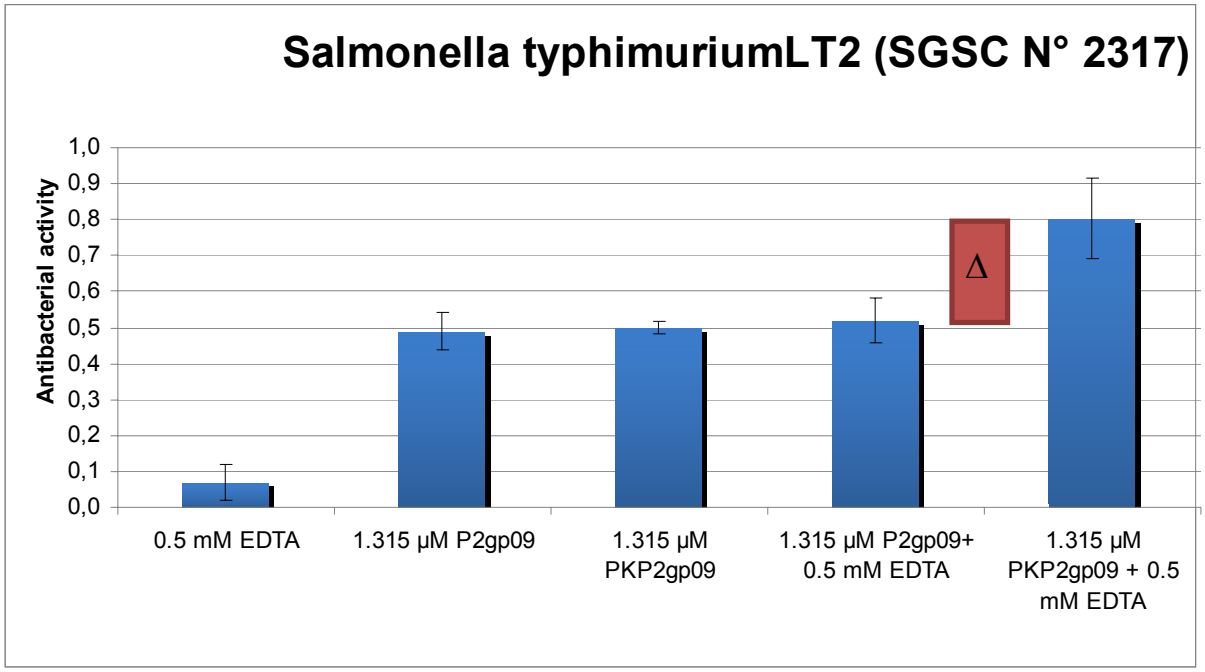


Figure 7 F

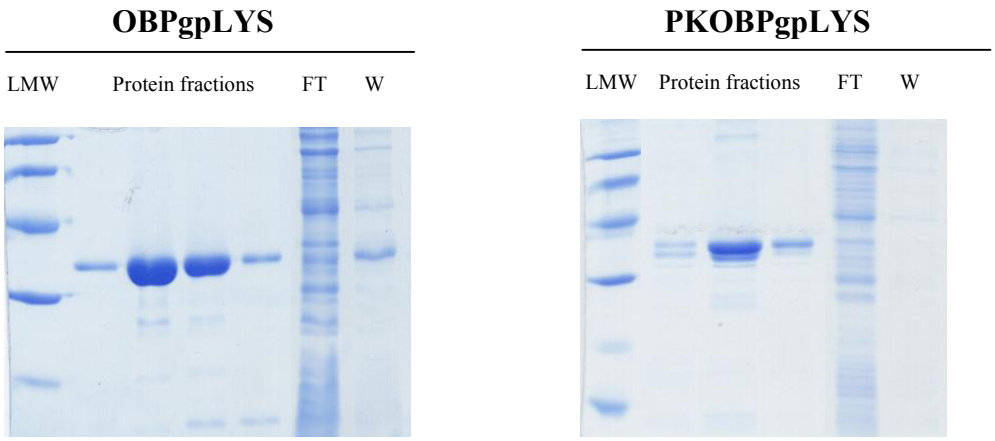


Figure 8

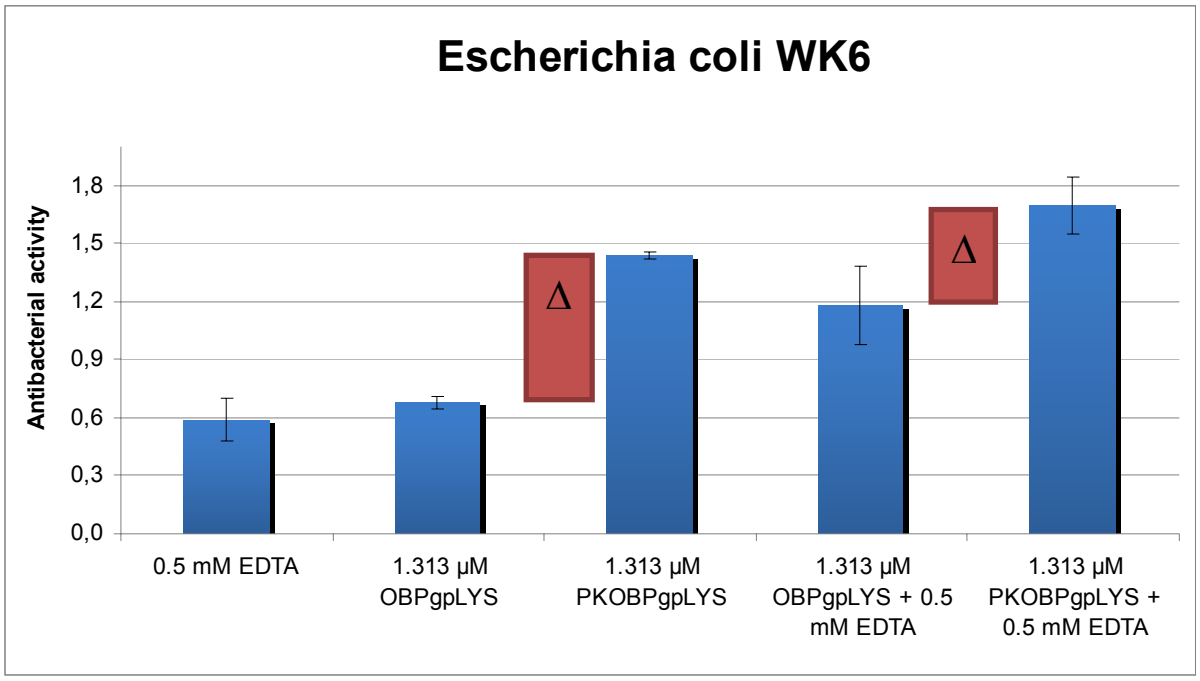


Figure 9 A

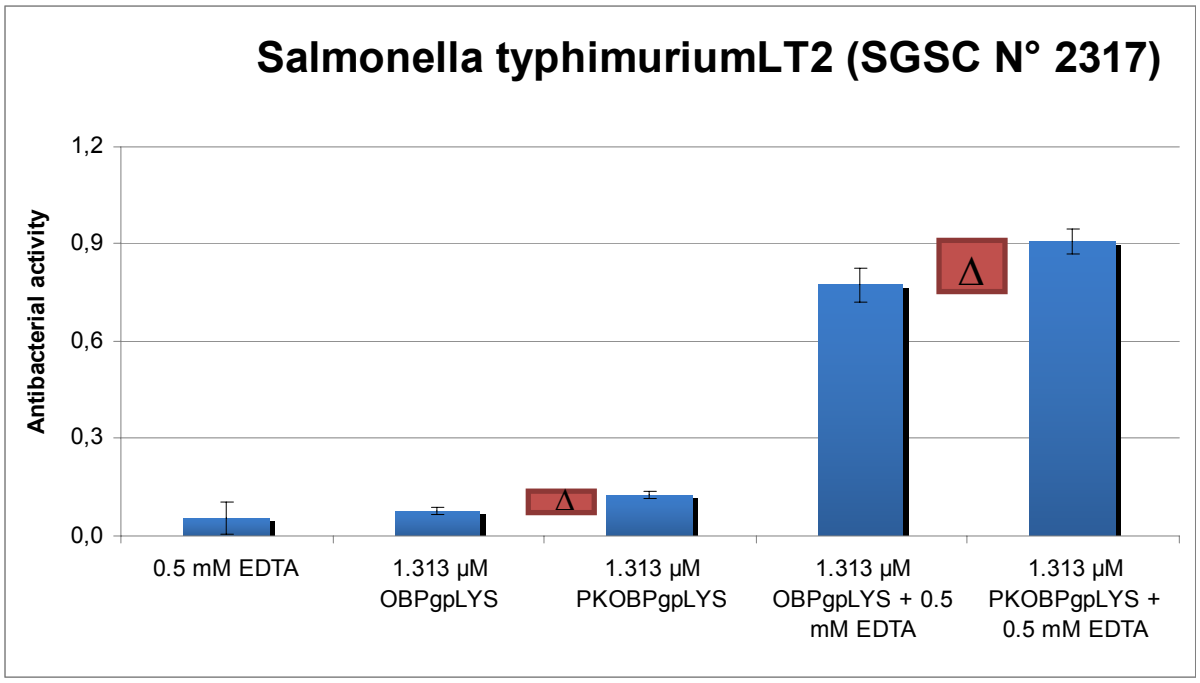


Figure 9 B

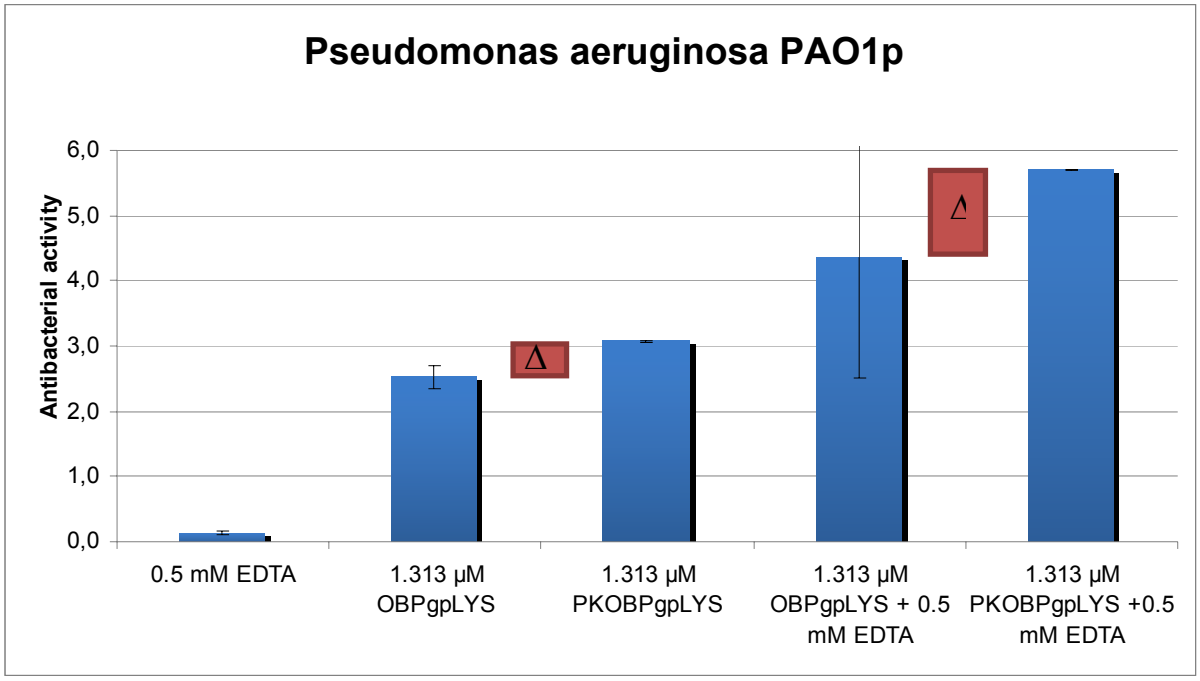


Figure 9 C

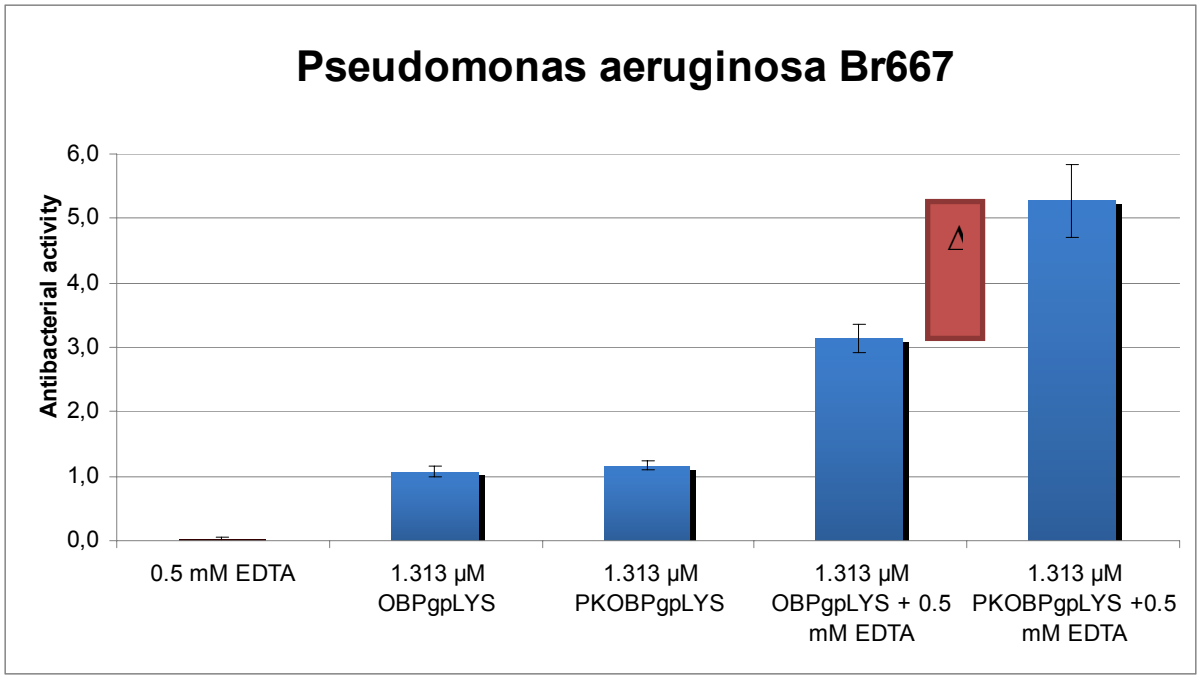


Figure 9 D

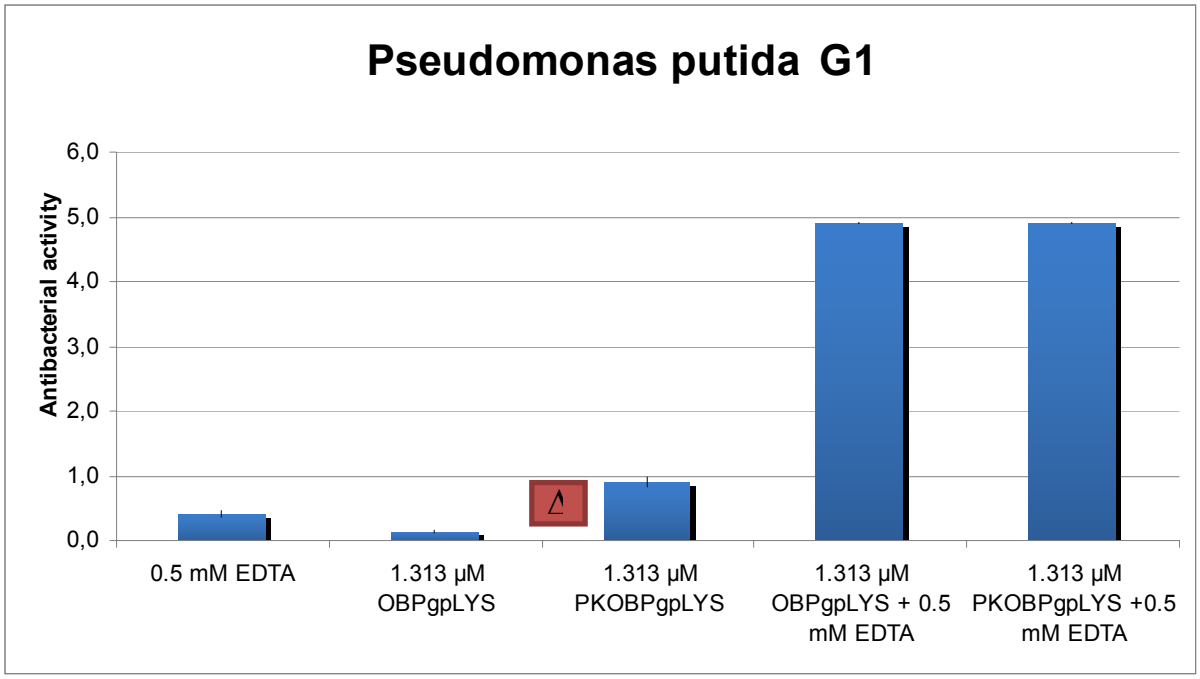


Figure 9 E

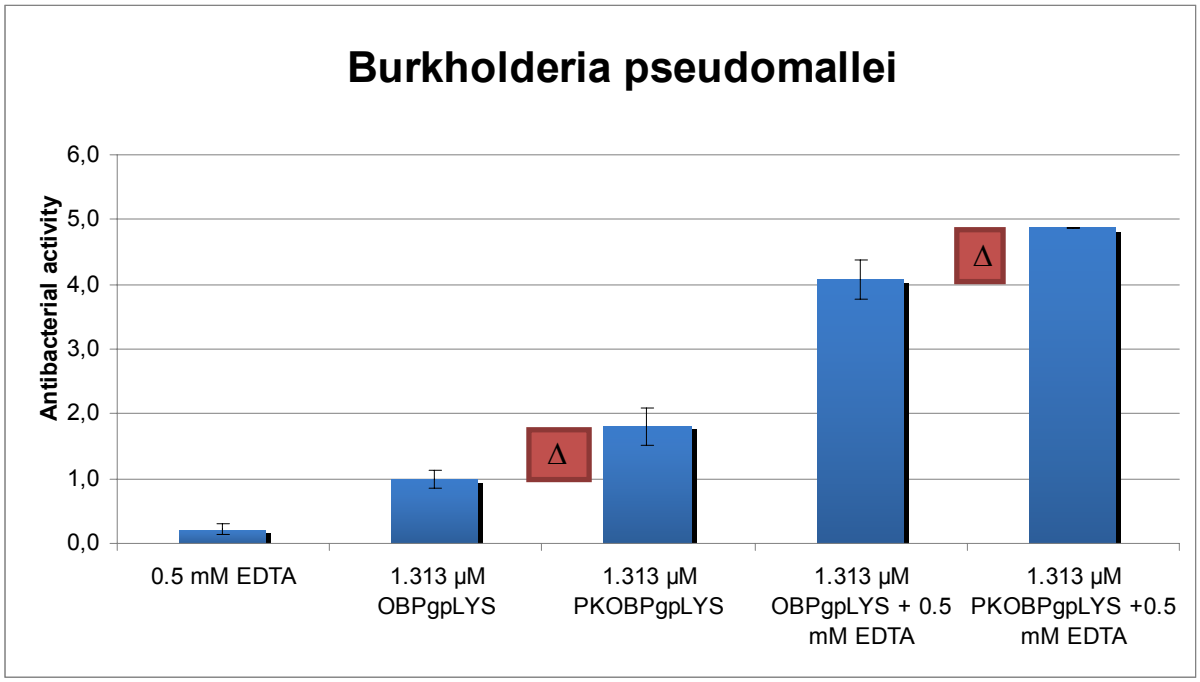


Figure 9 F