Figure S1

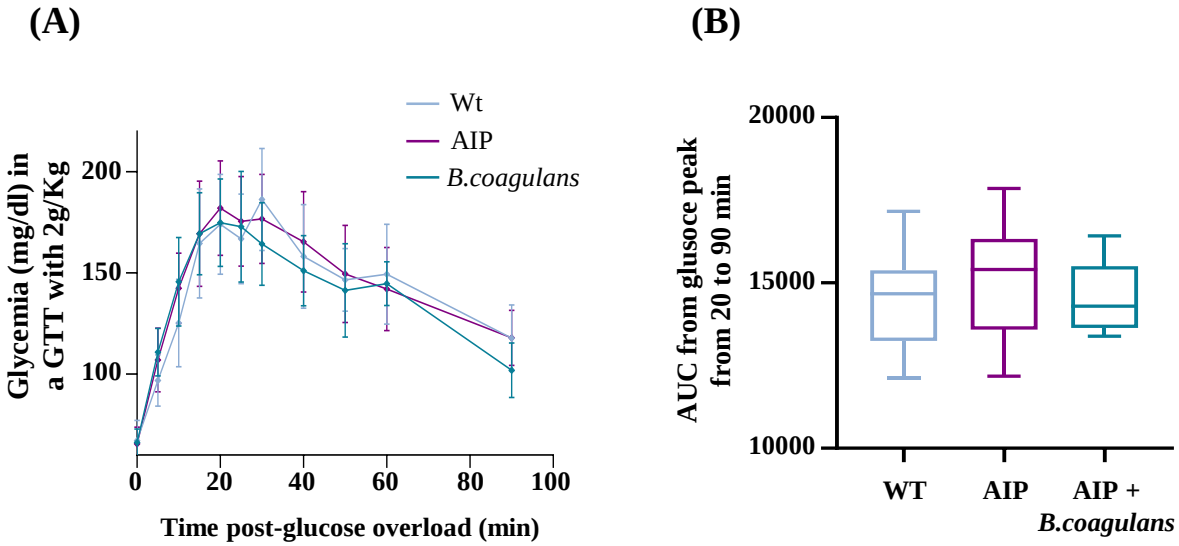

(A)
Wt
AIP
B.coagulans
Glycemia (mg/dl) in a GTT with 2g/Kg
200
150
100
0
20
40
60
80
100
Time post-glucose overload (min)
(B)
AUC from glusoce peak from 20 to 90 min
20000
15000
10000
WT
AIP
AIP + B.coagulans

Figure S2

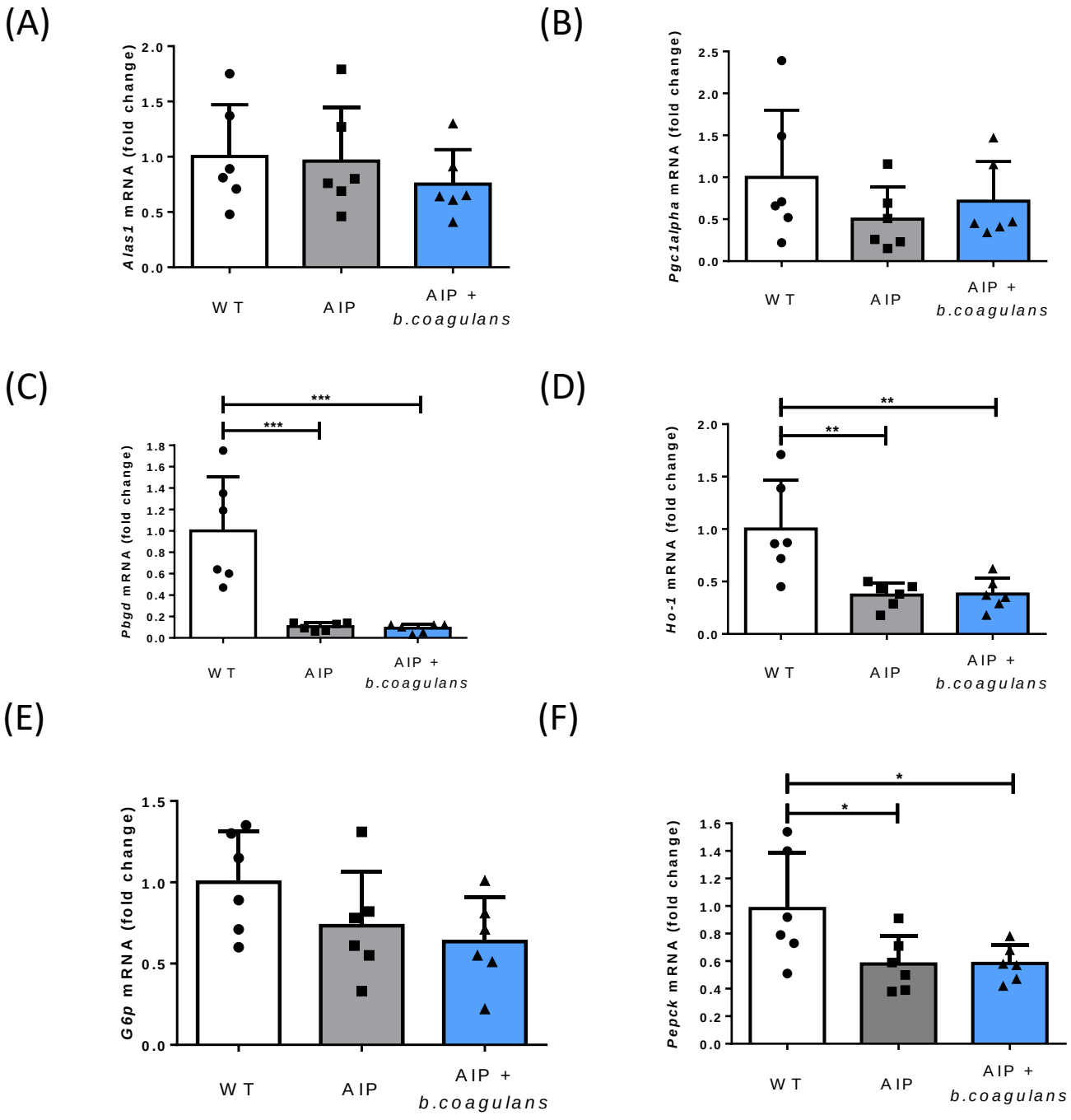
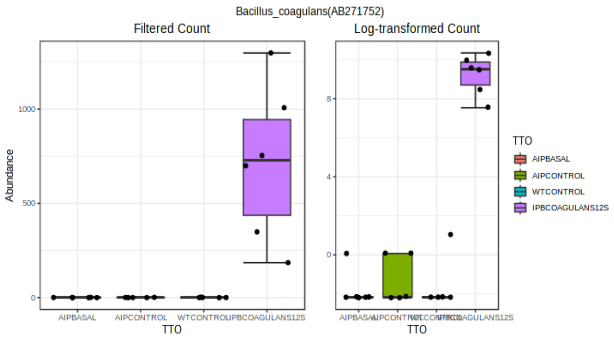
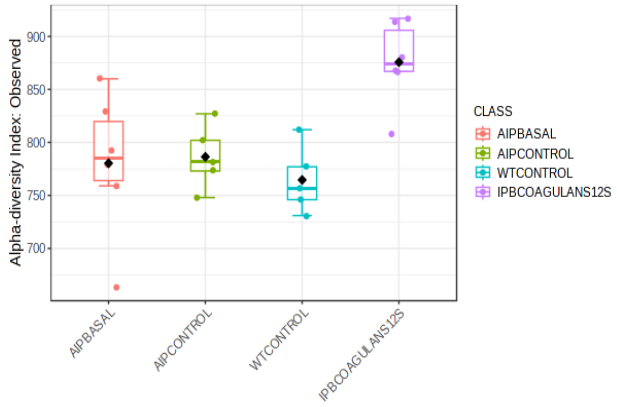

(A)
Alas1 mRNA (fold change)
2.0
1.5
1.0
0.5
0.0
WT
AIP
AIP + b.coagulans
(B)
Pgc1alpha mRNA (fold change)
2.5
2.0
1.5
1.0
0.5
0.0
WT
AIP
AIP + b.coagulans
(C)
Pbgd mRNA (fold change)
***
***
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
WT
AIP
AIP + b.coagulans
(D)
Ho-1 mRNA (fold change)
**
**
2.0
1.5
1.0
0.5
0.0
WT
AIP
AIP + b.coagulans
(E)
G6p mRNA (fold change)
1.5
1.0
0.5
0.0
WT
AIP
AIP + b.coagulans
(F)
Pepck mRNA (fold change)
*
*
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
WT
AIP
AIP + b.coagulans

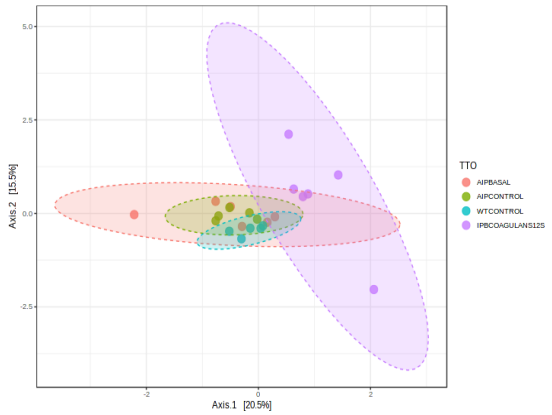
Figure S3

(A)



(B) Alfa diversity (Observed, P=0.003)



(C) Beta diversity :

(Feature-level PCoA Bray-Curtis, P=0.001)