Supplementary Figures S1-S3, TABLES S1 and S2, and Supplementary Datafile 1

Polymyxin resistance and heteroresistance is common in clinical isolates of *Achromobacter* species and correlates with modifications of the lipid A moiety of the lipopolysaccharide

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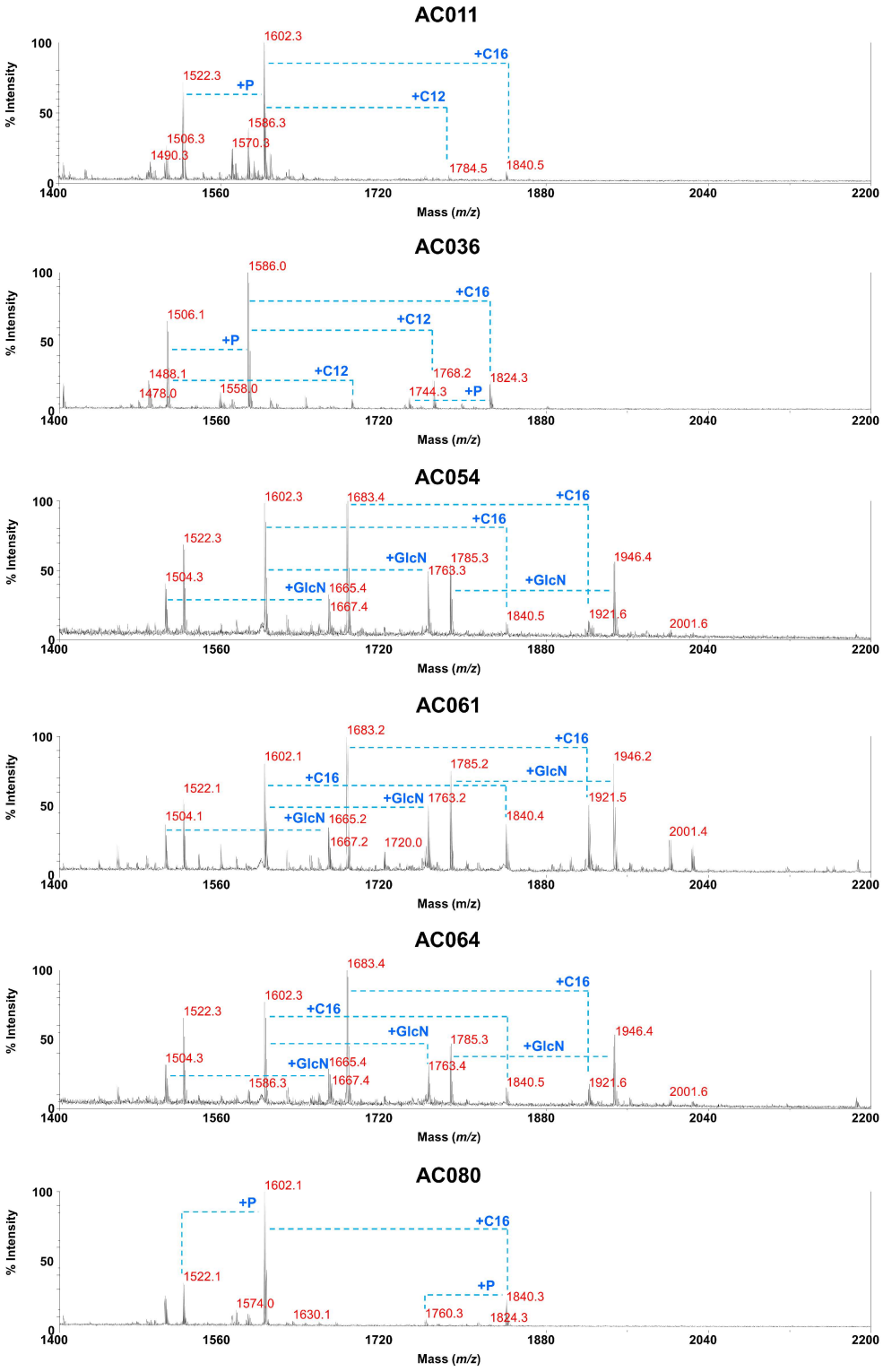


Figure S1. Lipid A profile of *A. xylosoxidans* isolates AC011, AC036, AC061, AC064 and AC080, and *A. insuavis* AC054. Spectra were obtained via negative ion reflectron MALDI-TOF mass spectrometry using THAP as the matrix. Lipid A fractions were isolated as previously described (63). Ion peaks representing the gain of phosphate groups (+P), hydroxylaurate (+C12) and palmitate (+C16) acyl chains, and glucosamine residues (+GlcN) are indicated by blue dotted lines.

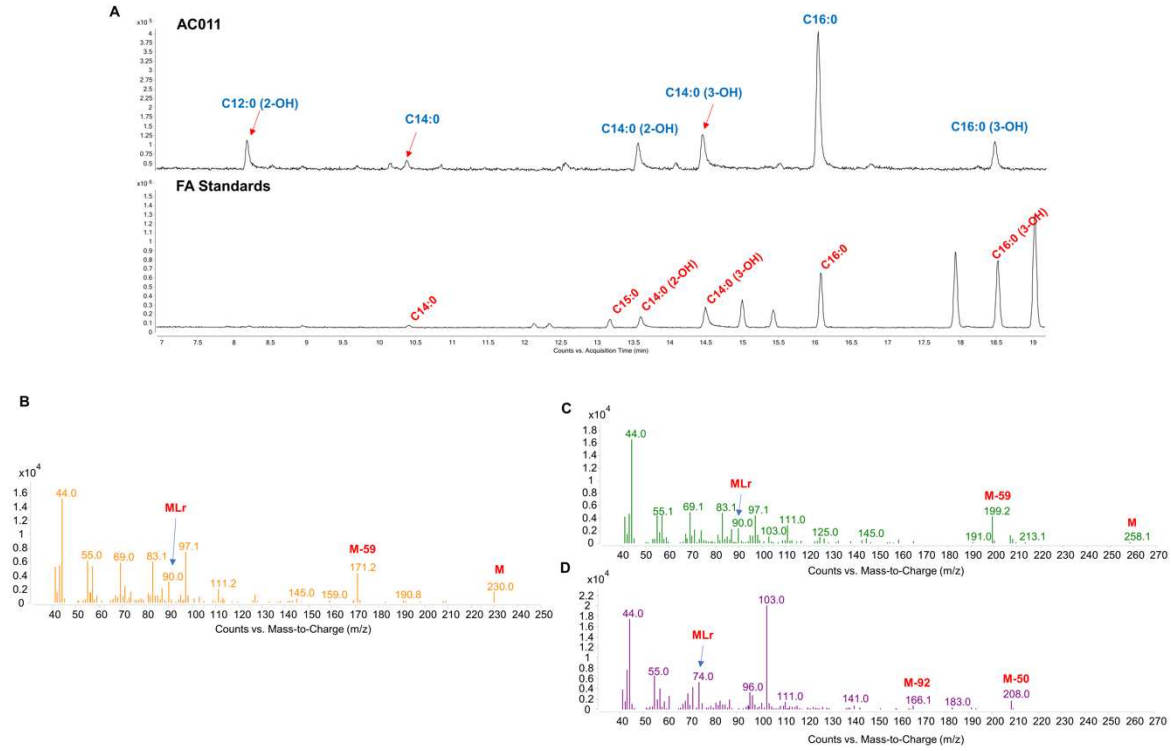


Figure S2. A. Zoom of the GC-MS chromatogram profile of the fatty acids as methyl ester derivatives of the lipid A from *A. xylosoxidans* isolate AC011 (top), chosen as a representative of the *Achromobacter* isolates analyzed in this study. The GC-MS chromatogram profile of opportunely prepared fatty acid methyl ester derivatives (bottom) is reported and compared with those obtained for *A. xylosoxidans* isolates AC011, AC036, AC061, AC064 and AC080, and *A. insuavis* AC054. **B**, **C**, and **D.** Electronic impact MS spectra that allowed the identification of C12:0(2-OH) (**B**), C14:0(2-OH) (**C**), and 14:0(3-OH) (**D**) in the lipid A preparations. "M" stands for molecular ion, while "MLr" indicates a fragment from McLafferty rearrangement. The detection of MLr ion at 90 u was diagnostic for the hydroxylation at C-2. On the contrary, the predominant ion at 103 u was indicative of the hydroxylation at C-3 as it is originated by the Cβ–Cγ fission and it comprises the first three carbon atoms of the acyl chain and the positive charge is stabilized from the β-hydroxyl function.

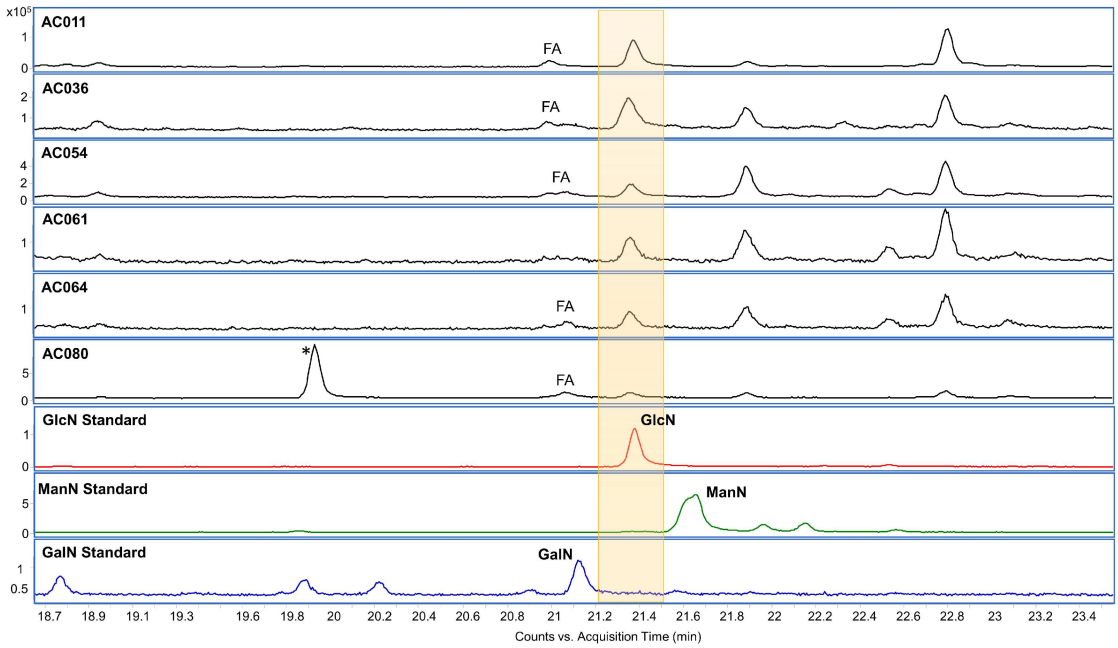


Figure S3. Zoom of the GC-MS chromatogram profiles of the acetylated methyl glycoside derivatives of the HexN isolated from the lipid A preparations of *A. xylosoxidans* isolates AC011, AC036, AC061, AC064 and AC080, and *A. insuavis* AC054. The GC-MS chromatogram profiles of the acetylated methyl glycoside of glucosamine, mannosamine, and galactosamine opportunely prepared from authentical standards were used as a reference and reported in the figure. The comparison of the retention times clearly demonstrated that the sole HexN present in the lipid A of *Achromobacter* isolates was a GlcN. The yellow box indicates the peaks relative to the acetylated methyl glycoside of hexosamine, whereas the asterisk indicates a contaminant. “FA” stands for fatty acid.

Table S1. Lipid A composition of *Achromobacter* species deduced from the observed *m/z* ion peaks

m/z	Predicted lipid A structure[a]
1490	Penta-acyl, 4x 14:0, 1x C12:0, 1P
1506	Penta-acyl, 3x C14:0(OH), 1x C14:0, 1x C12:0(OH), 1P
1522	Penta-acyl, 3x C14:0(OH), 1x C12:0(OH), 1x C14:0, 1P
1559	Penta-acyl, 3x C14:0(OH), 1x 10:0(OH), 1x C14:0, 2P
1570	Penta-acyl, 3x C14:0(OH), 1x C14:0, 1x C12:0, 2P
1586	Penta-acyl, 3x C14:0(OH), 1x C14:0, 1x C12:0(OH), 2P
1602	Penta-acyl, 4x C14:0(OH), 1x C12:0(OH), 2P
1642	Penta-acyl, 4x C14:0(OH), 1x C16:0, 2P
1651	Penta-acyl, 3x C14:0(OH), 1x C14:0, 1x C12:0, 1P, GlcN
1667*	Penta-acyl, 3x C14:0(OH), 1x C14:0, 1x C12:0(OH), 1P, GlcN
1683	Penta-acyl, 4x C14:0(OH), 1x C12:0(OH), 1P, GlcN
1688	Hexa-acyl, 3x C14:0(OH), 1x C12:0(OH), 1x C14:0, 1x C12:0, 1P
1744	Hexa-acyl, 3xC14:0(OH), 1x C14:0, 1x C12:0(OH), 1x C16:0, 1P
1760	Penta-acyl, 4xC14:0(OH), 1x C12:0(OH), 1x C16:0, 1P
1768	Hexa-acyl, 4x C14:0(OH), 2x C12:0, 2P **or** 3x C14:0(OH), 1x C12:0(OH), 1x C14:0, 1x C12:0, 2P
1785	Hexa-acyl, 4x C14:0(OH), 1x C10:0(OH), 1x 14:0, 2P
1824*	Hexa-acyl, 3x C14:0(OH), 1x C14:0, 1x C12:0(OH), 1x C16:0, 2P
1840	Penta-acyl, 4xC14:0(OH), 1x C12:0(OH), 1x C16:0, 2P
1889	Hexa-acyl, 3xC14:0(OH), 1x C16:0, 1x C12:0, 1x C12:0(OH), 1P, GlcN
1905	Hexa-acyl, 3xC14:0(OH), 1x C16:0, 1x C14:0, 1x C12:0(OH), 1P, GlcN
1921	Hexa-acyl, 4xC14:0(OH), 1x C16:0, 1x C12:0(OH), 1P, GlcN
1946	Hexa-acyl, 4x C14:0(OH), 1x C10:0(OH), 1x 14:0, 2P, GlcN
2001	Hexa-acyl, 4x C14:0(OH), 1x C12:0(OH), 1x 16:0, 2P, GlcN

* The lipid A structures are predicted based on the observed *m/z* ion peaks. The canonical GlcN disaccharide is included in the calculations. GlcN, when indicated is the modification added to the phosphate residue. Peaks in bold with an asterisk may have alternative composition, which will require validation by more detailed structural analysis.

Table S2. Fatty acid content of lipid A isolated from *A. xylosoxidans* isolates AC011, AC036, AC061, AC064 and AC080, and *A. insuavis* AC054. A heterogenous composition was observed, which was however qualitatively equal for all the isolates. The absolute configuration of 2 and 3-hydroxy fatty acids remains to be defined.

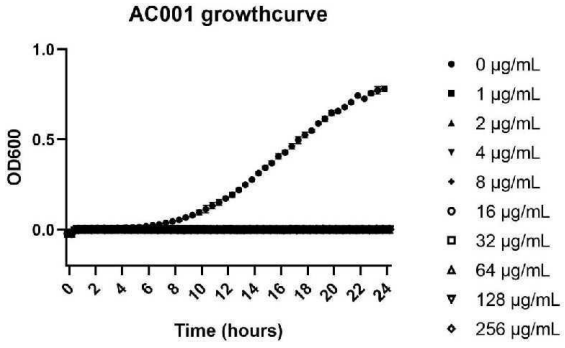
Fatty Acid Component
12:0
14:0
16:0
10:0(3-OH)
12:0(2-OH)
12:0(3-OH)
14:0(2-OH)
14:0(3-OH)
16:0(3-OH)

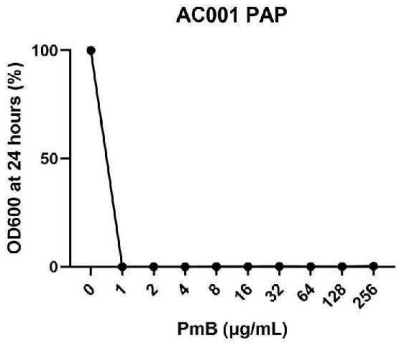
Supplemental Dataset 1

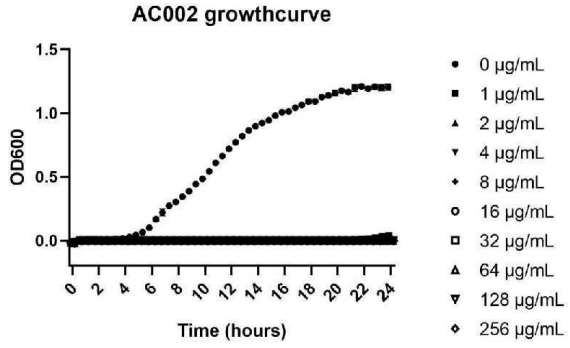
MIC determination and population analysis profiles of all *Achromobacter* strains investigated in this study

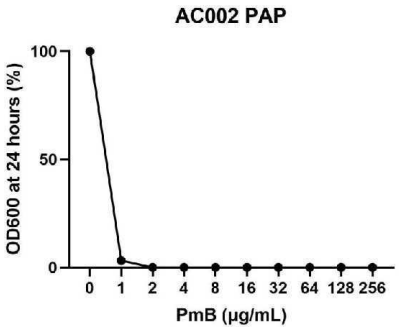
MIC values were determined by broth microdilution (BMD) performed in duplicate for PmB concentrations between 1-256 µg/mL. Inocula were prepared by diluting an overnight broth culture of each isolate in CA-MHB to reach a final inoculum of 5 x 10^5 CFU/ml. One honeycomb 96-well plate (Oy Growth Curves Ab Ltd, Finland) was used for each isolate. Each well received 180 µL of CA-MHB before the last well received 180 µL PmB at 569 µg/mL. The final well was then mixed via pipetting, the tip changed, and 180 µL transferred into the next well. This serial dilution was continued until 180 µL was discarded from the second to last well. Each well was then inoculated with 20 µL of the diluted bacteria. Plates were incubated at 37°C with continuous shaking in a Bioscreen C (Oy Growth Curves Ab Ltd, Finland) for 24 h taking automatic OD_{600} readings every 30 min. The MIC endpoint was read as the lowest concentration of antibiotic at which the percent OD_{600} relative to the no antibiotic control was ≤10%, which corresponded to no visible growth.

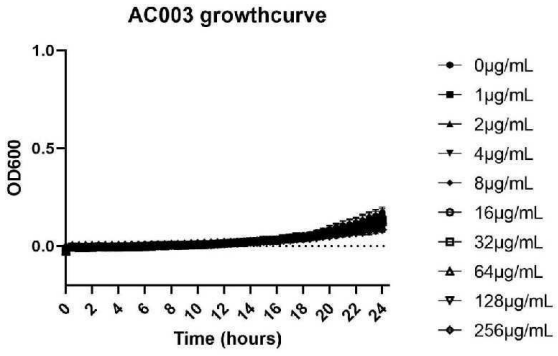
Population analysis was performed by calculating the percent of bacterial growth relative to the no PmB control from the OD600 readings at 24 h in all PmB concentrations. Isolates were defined as heteroresistant when the antibiotic concentration exhibiting the highest inhibitory effects was ≥ 8-fold higher than the highest non-inhibitory concentration.


AC001 growthcurve
OD600
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL


AC001 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)


AC002 growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL


AC002 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)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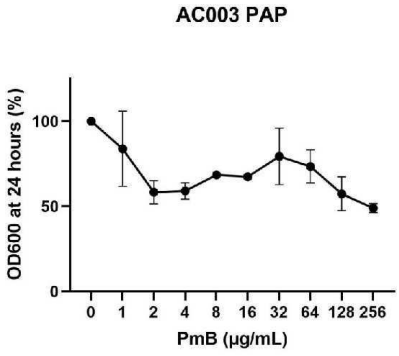
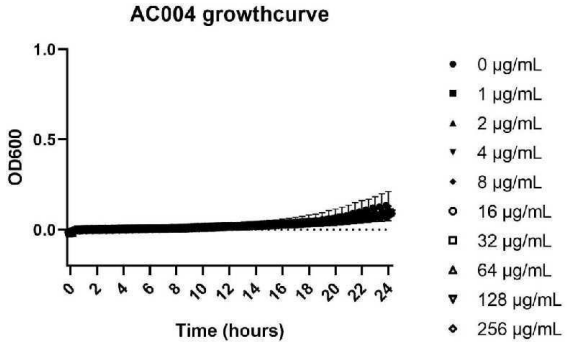
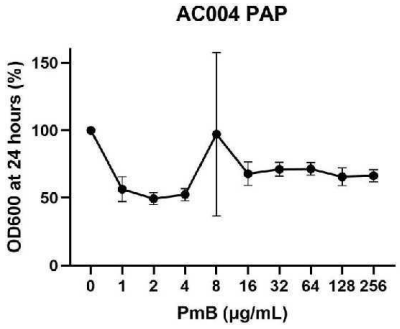
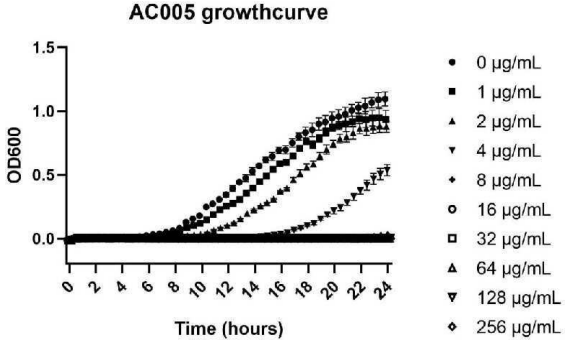
OD600
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL


AC003 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)


AC004 growthcurve
OD600
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL


AC004 PAP
OD600 at 24 hours (%)
150
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)


AC005 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
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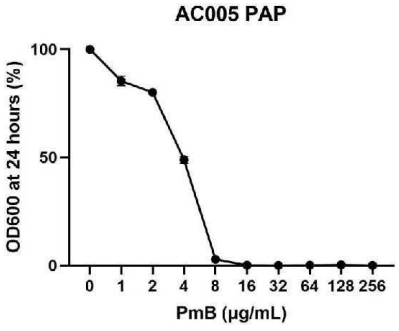
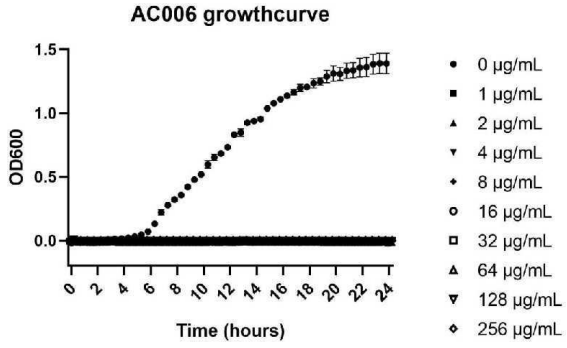
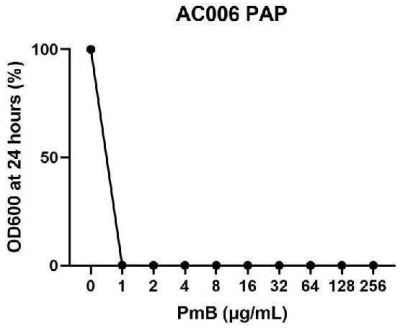
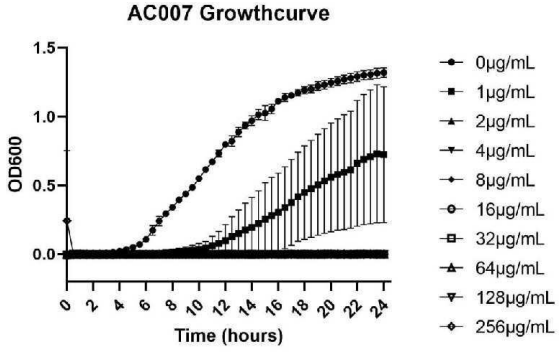
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL


AC005 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)


AC006 growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL


AC006 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)


AC007 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
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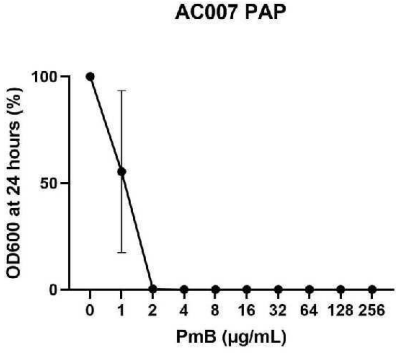
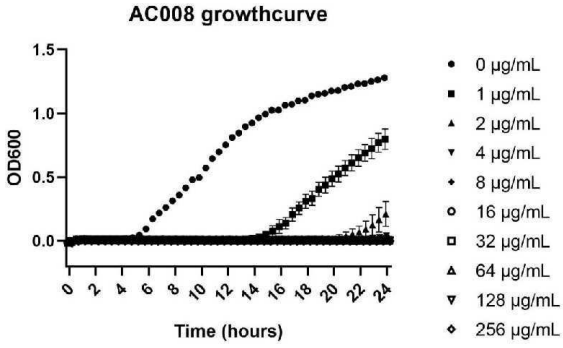
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL


AC007 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)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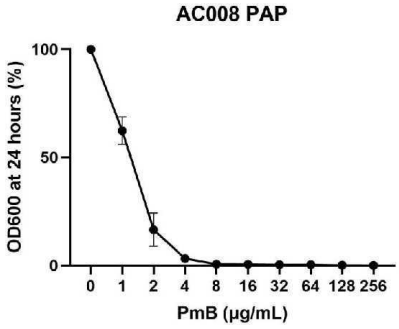
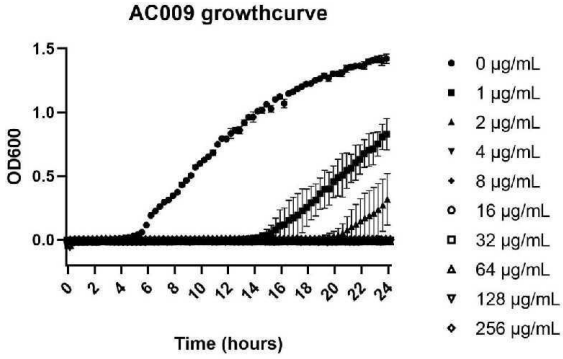
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL


AC008 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)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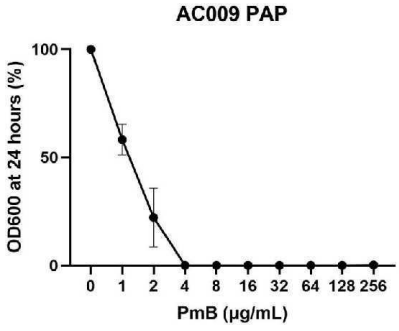
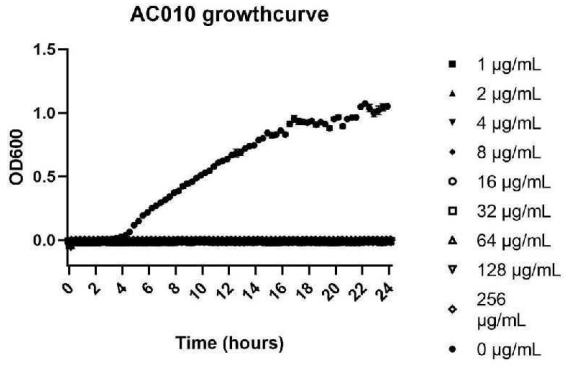
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL


AC009 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)


AC010 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
1 µg/mL
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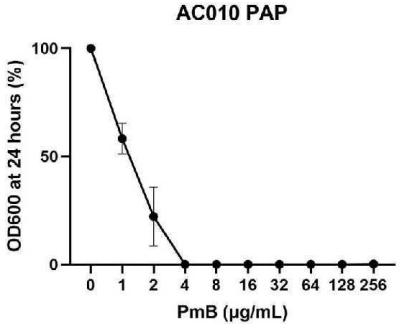
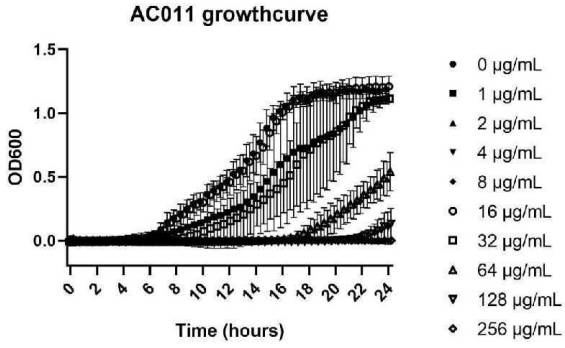
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL
0 µg/mL


AC010 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)


AC011 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
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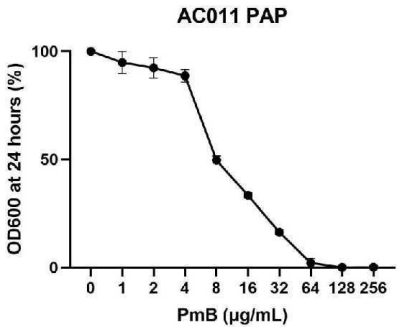
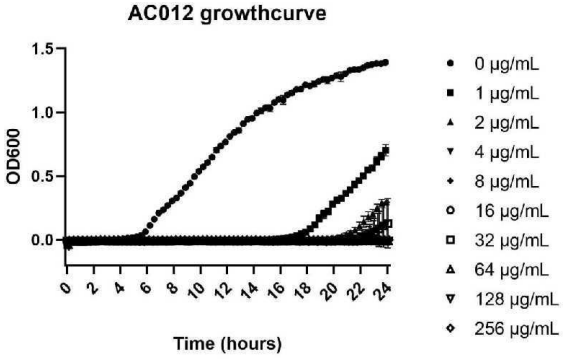
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL


AC011 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)


AC012 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
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2 µg/mL
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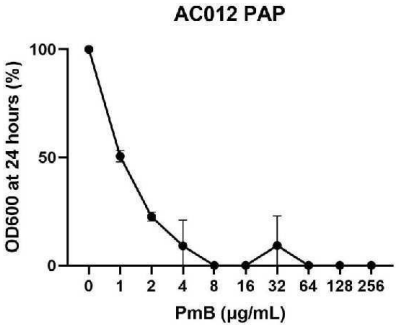
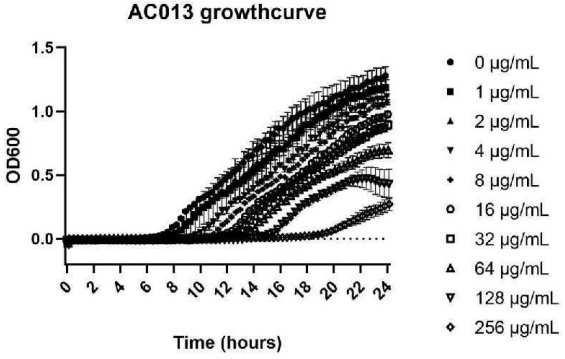
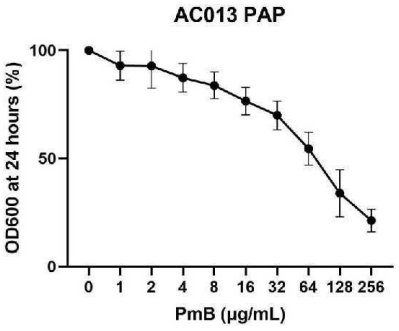
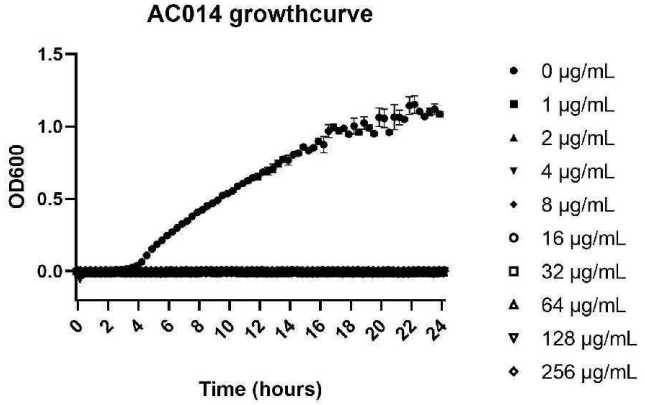
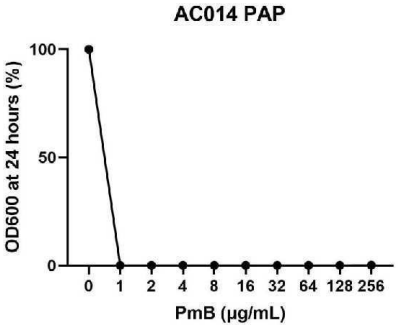
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

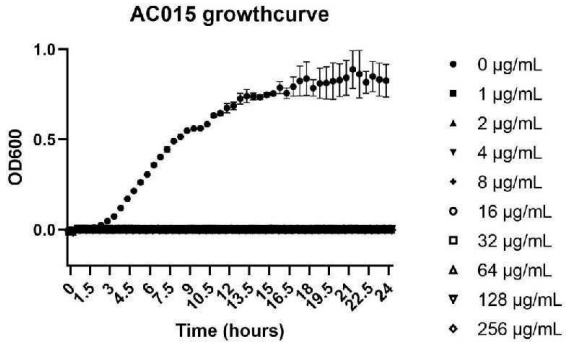

AC012 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

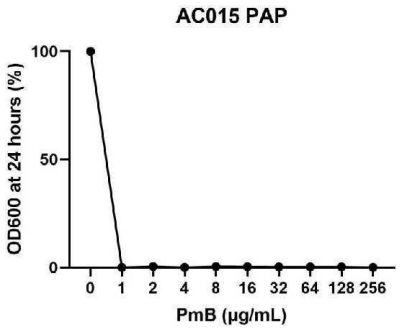

AC013 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

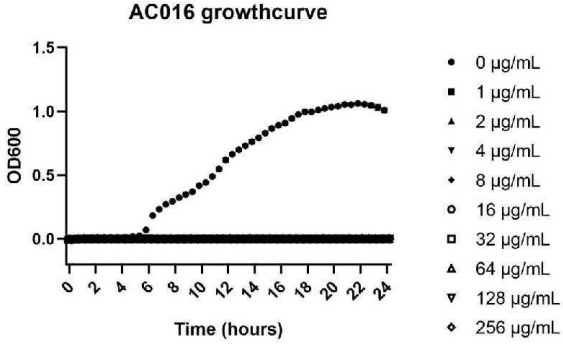

AC013 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

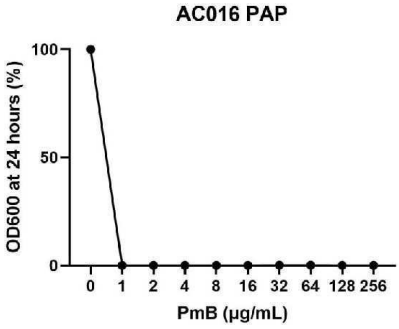

AC014 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

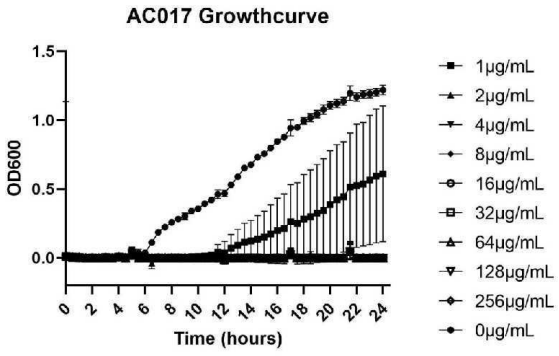

AC014 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

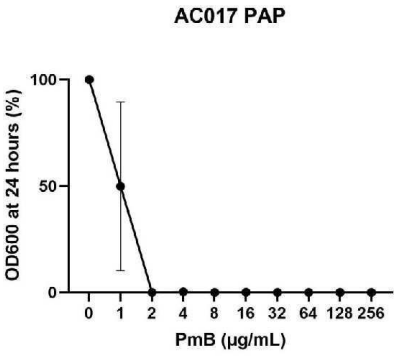

AC015 growthcurve
OD600
1.0
0.5
0.0
0
1.5
3
4.5
6
7.5
9
10.5
12
13.5
15
16.5
18
19.5
21
22.5
24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

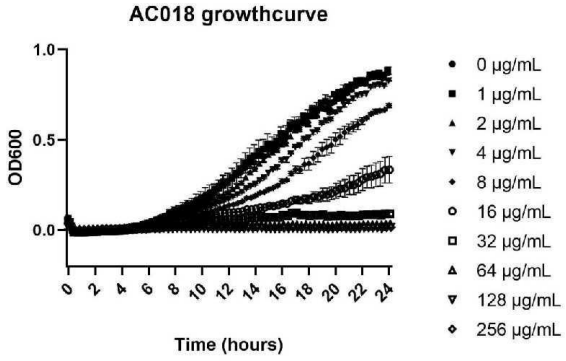

AC015 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

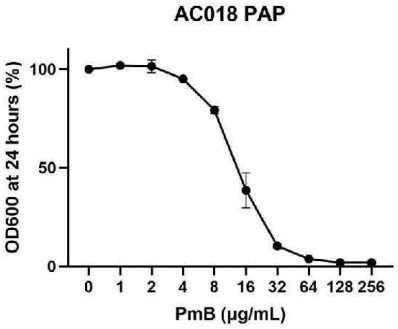

AC016 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

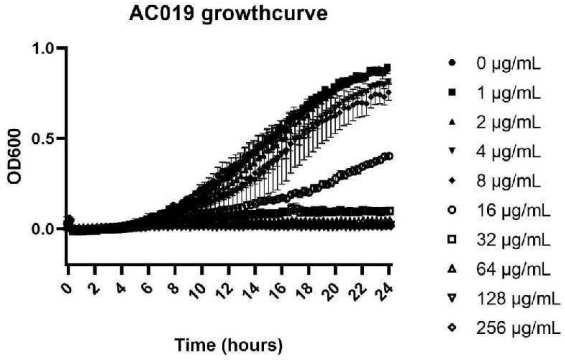

AC016 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

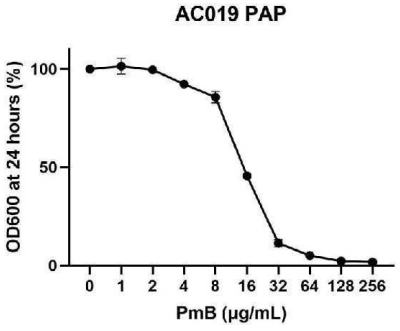

AC017 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL
0µg/mL

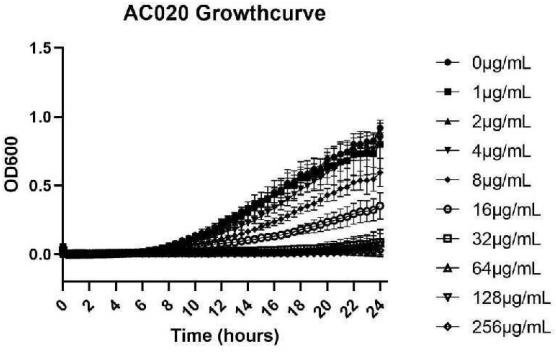

AC017 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

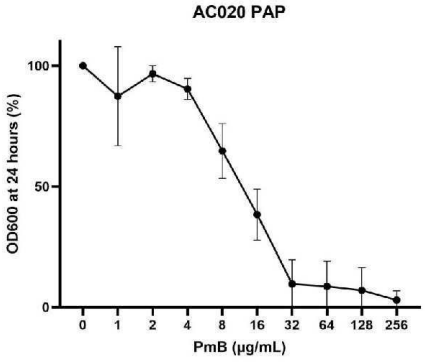

AC018 growthcurve
OD600
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

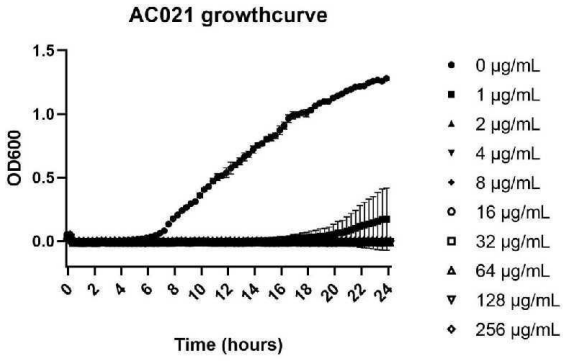

AC018 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

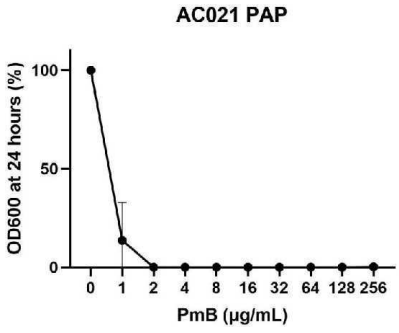

AC019 growthcurve
OD600
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

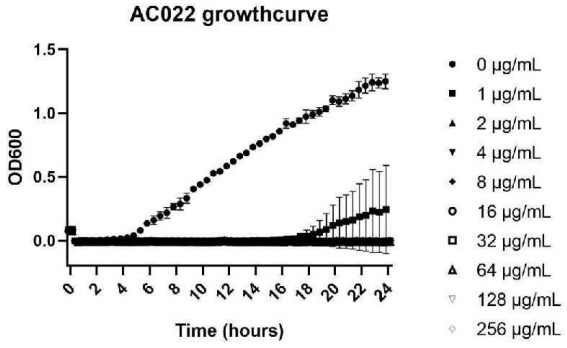

AC019 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

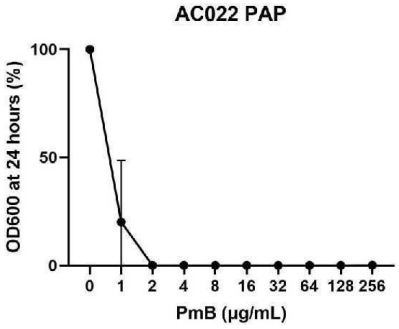

AC020 Growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

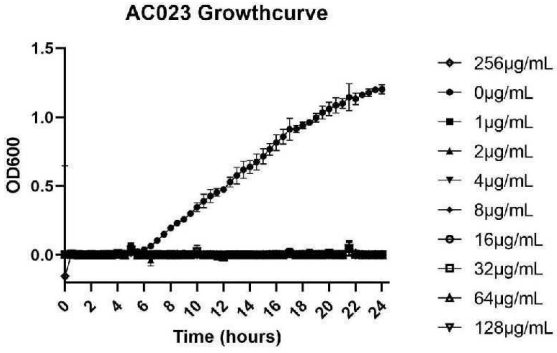

AC020 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

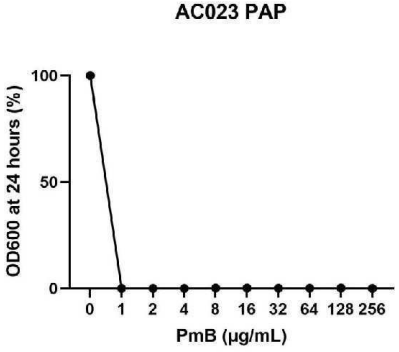

AC021 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

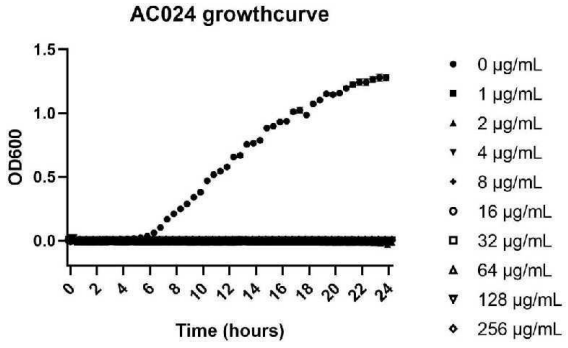

AC021 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

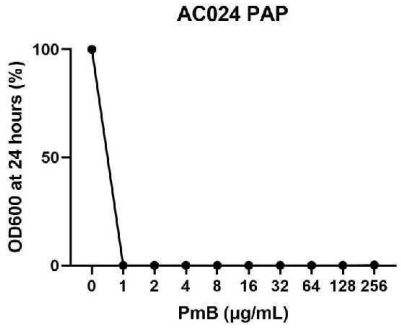

AC022 growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

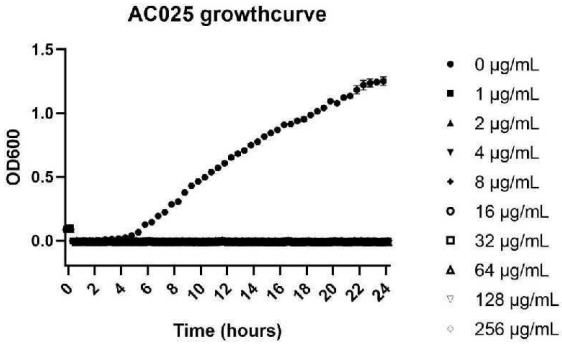

AC022 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

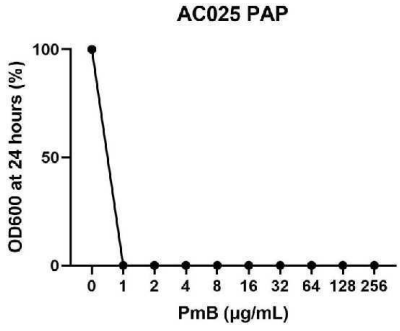

AC023 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
256µg/mL
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL

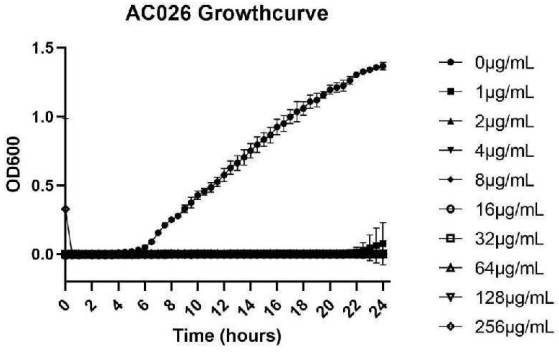

AC023 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

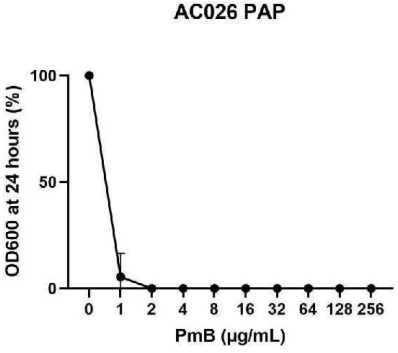

AC024 growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

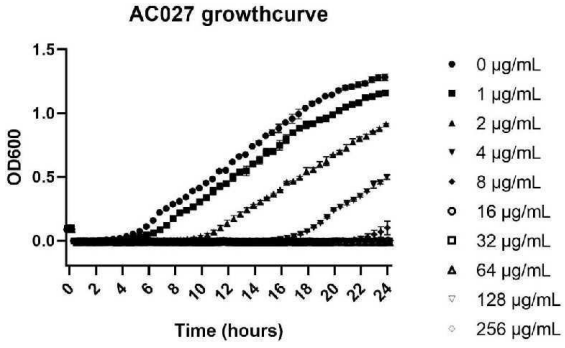

AC024 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

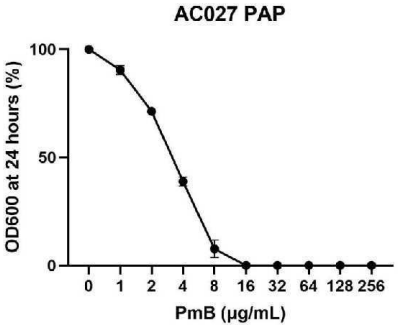

AC025 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

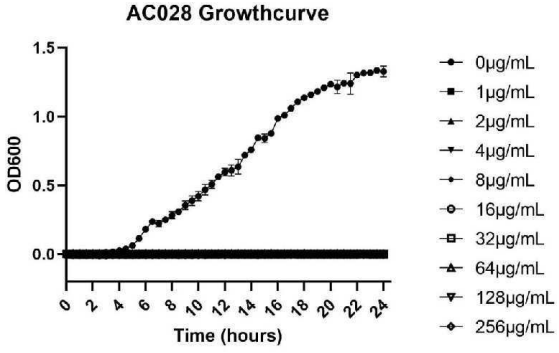

AC025 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

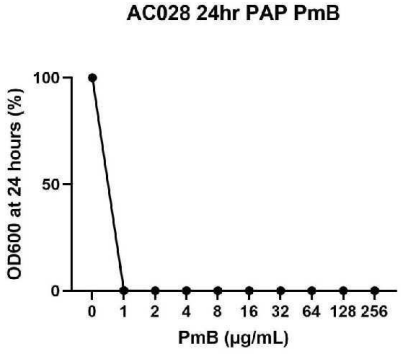

AC026 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

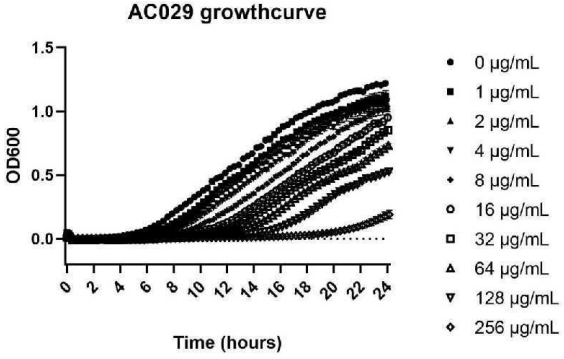

AC026 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

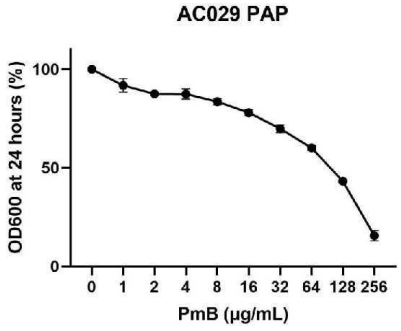

AC027 growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

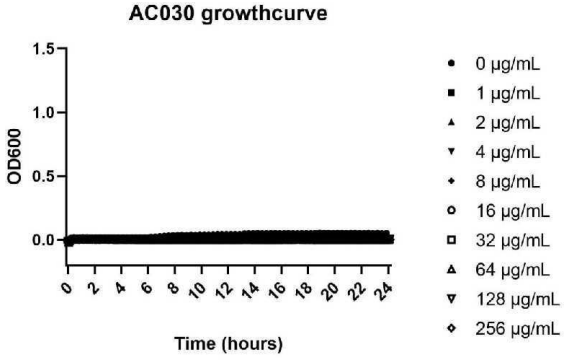

AC027 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

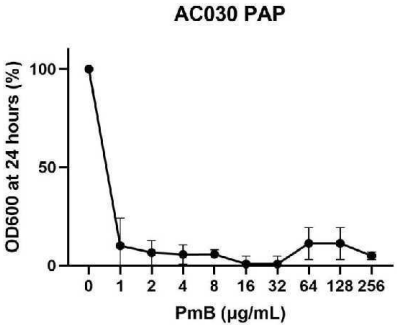

AC028 Growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

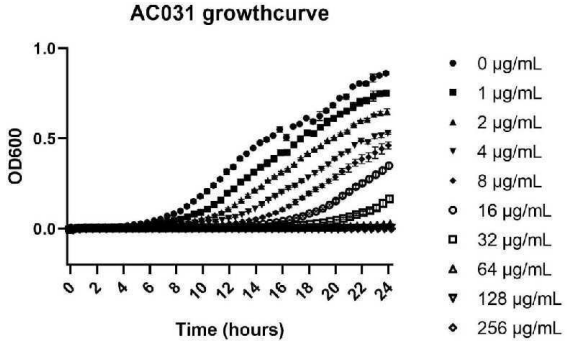

AC028 24hr PAP PmB
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

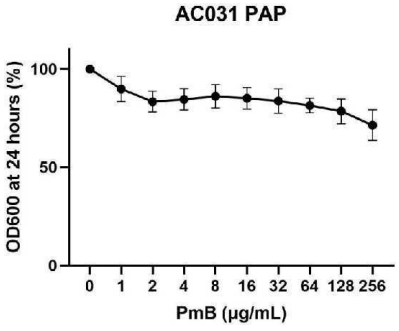

AC029 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

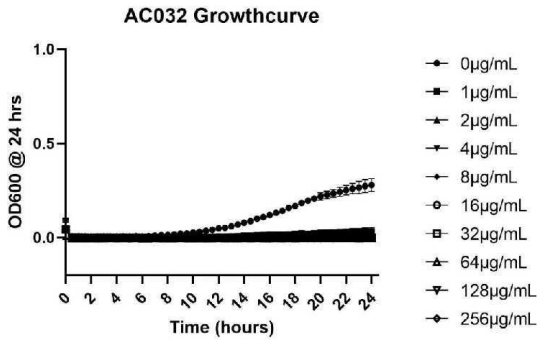

AC029 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

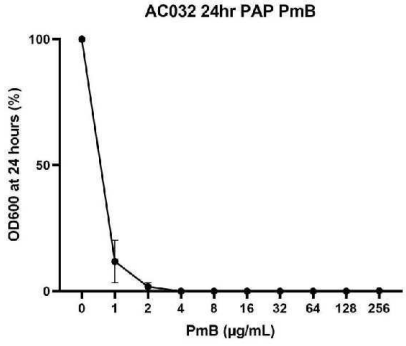

AC030 growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

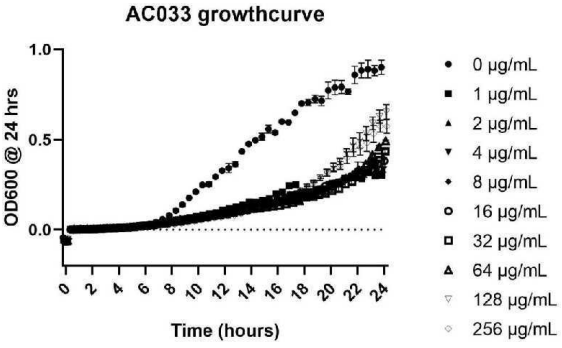

AC030 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

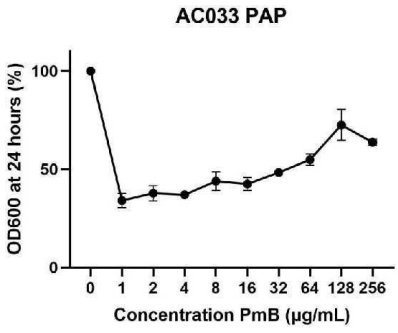

AC031 growthcurve
OD600
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

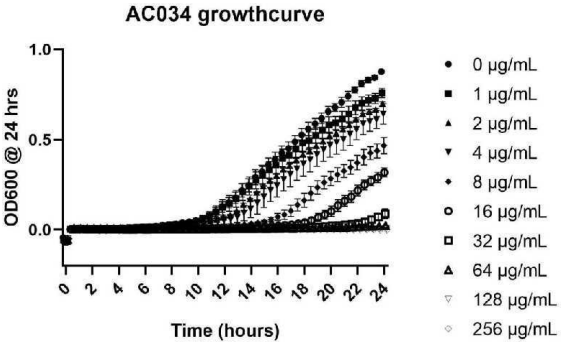

AC031 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

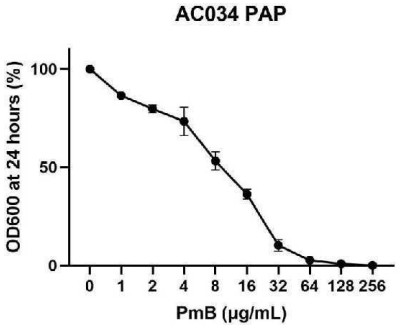

AC032 Growthcurve
OD600 @ 24 hrs
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

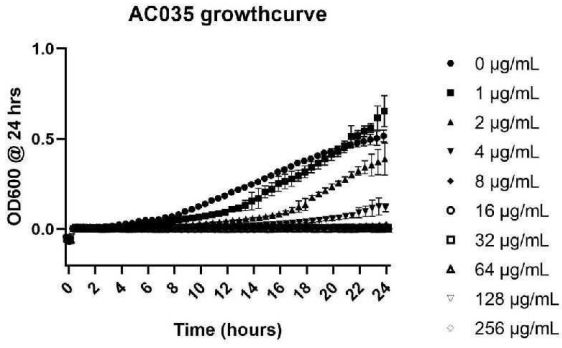

AC032 24hr PAP PmB
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

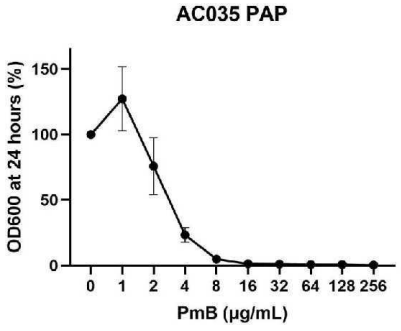

AC033 growthcurve
OD600 @ 24 hrs
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

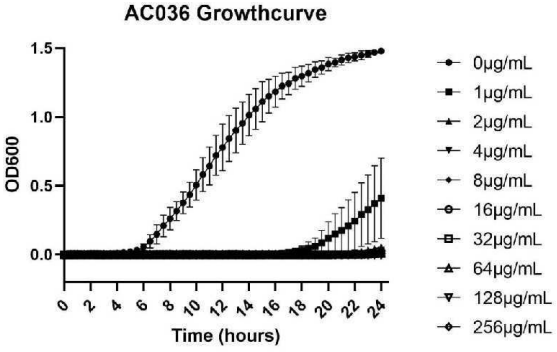

AC033 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
Concentration PmB (µg/mL)

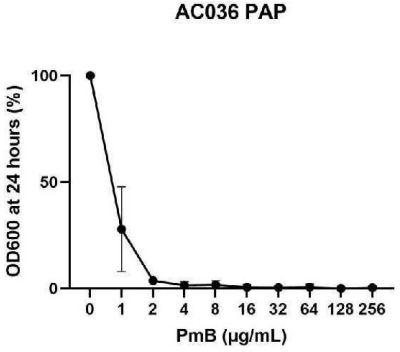

AC034 growthcurve
OD600 @ 24 hrs
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

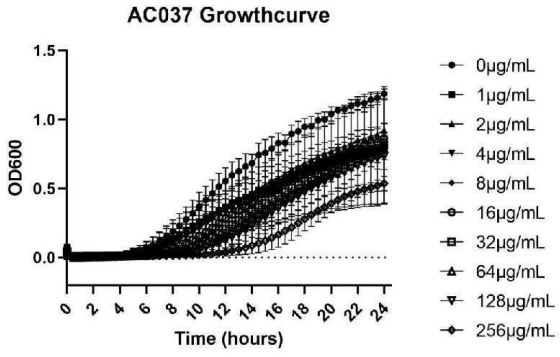

AC034 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

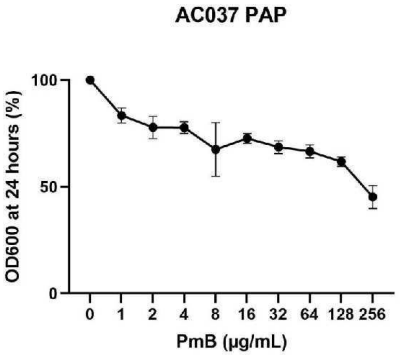

AC035 growthcurve
OD600 @ 24 hrs
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

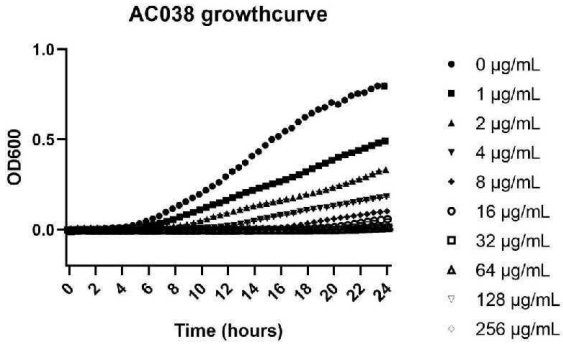

AC035 PAP
OD600 at 24 hours (%)
150
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

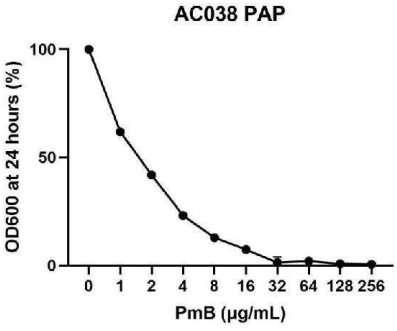

AC036 Growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

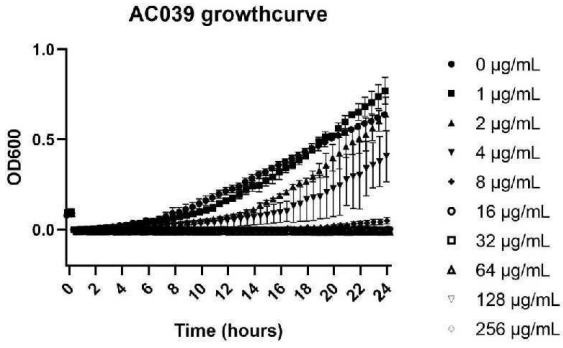

AC036 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

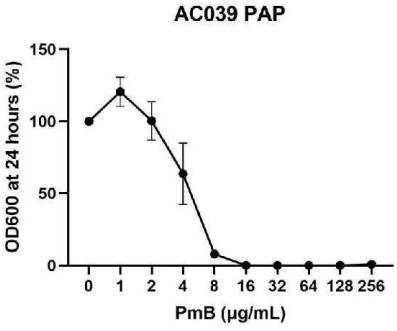

AC037 Growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

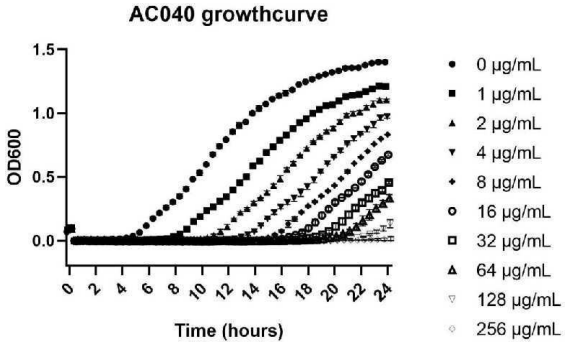

AC037 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

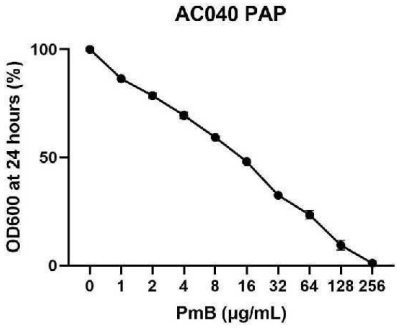

AC038 growthcurve
OD600
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

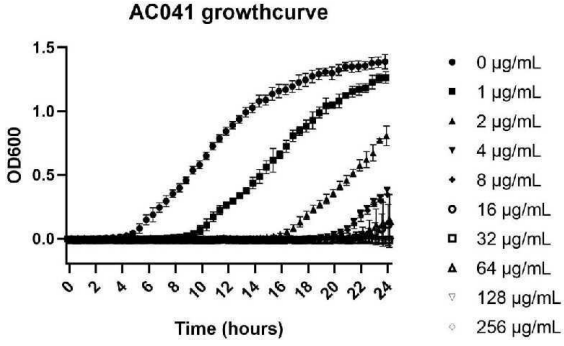

AC038 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

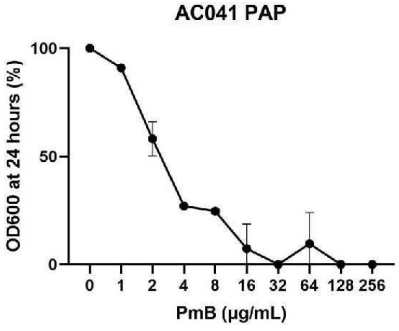

AC039 growthcurve
OD600
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

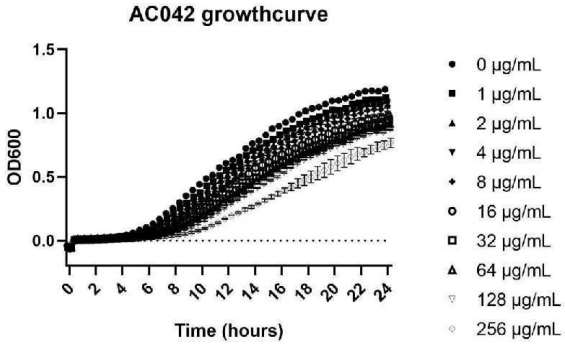

AC039 PAP
OD600 at 24 hours (%)
150
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

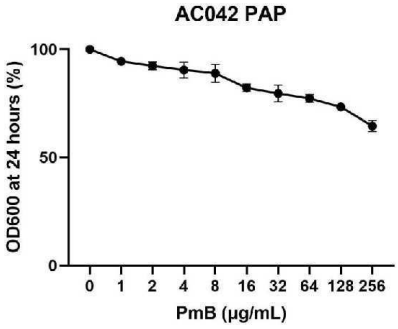

AC040 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

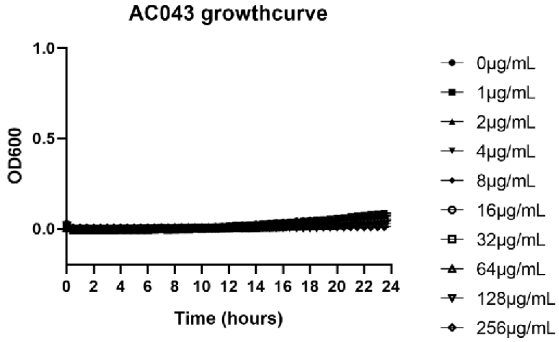

AC040 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

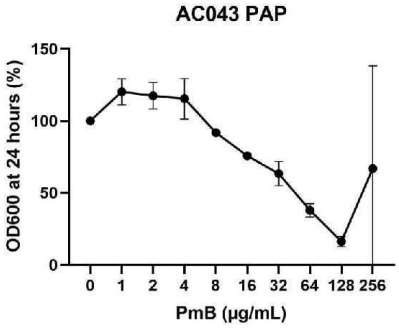

AC041 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

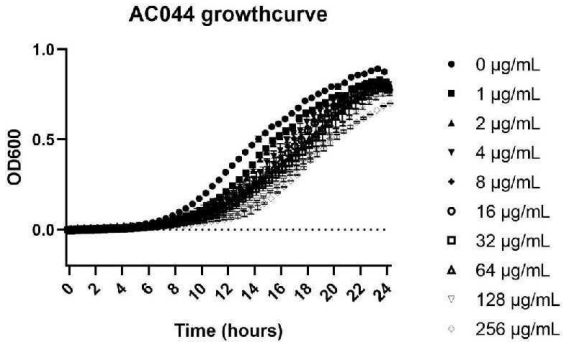

AC041 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

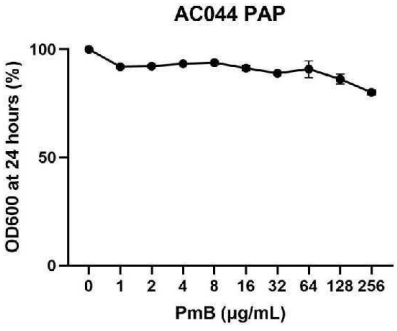

AC042 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

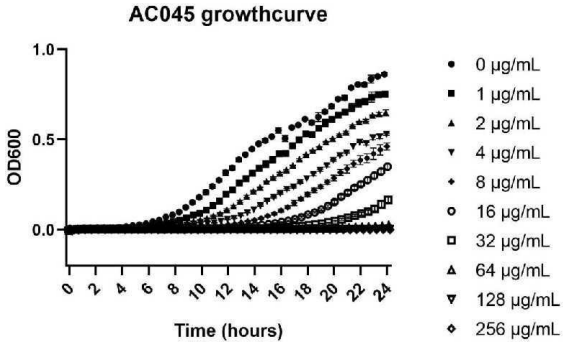

AC042 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

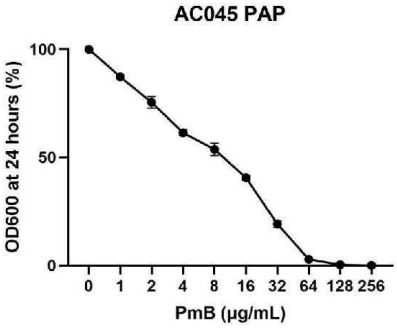

AC043 growthcurve
OD600
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

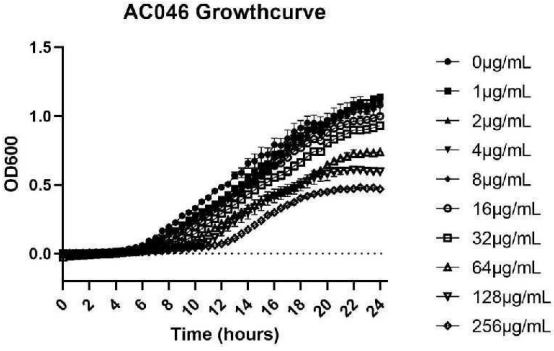

AC043 PAP
OD600 at 24 hours (%)
150
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

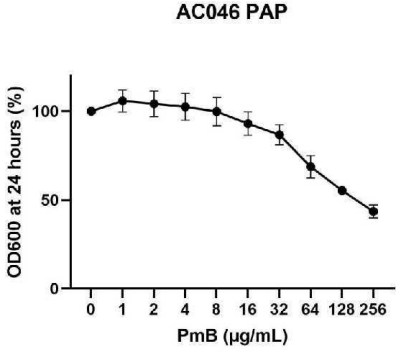

AC044 growthcurve
OD600
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

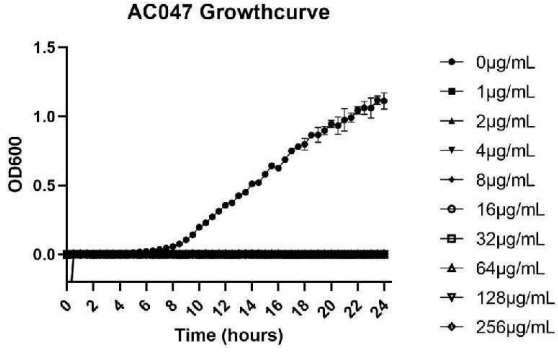

AC044 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

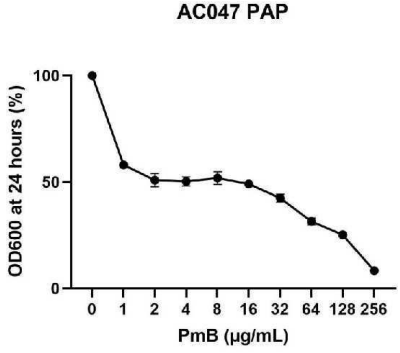

AC045 growthcurve
OD600
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

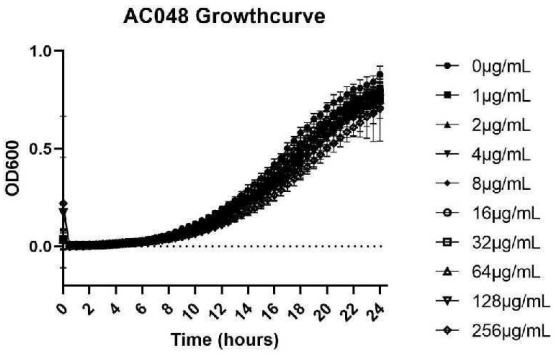

AC045 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

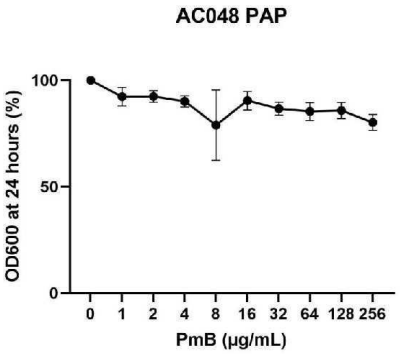

AC046 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

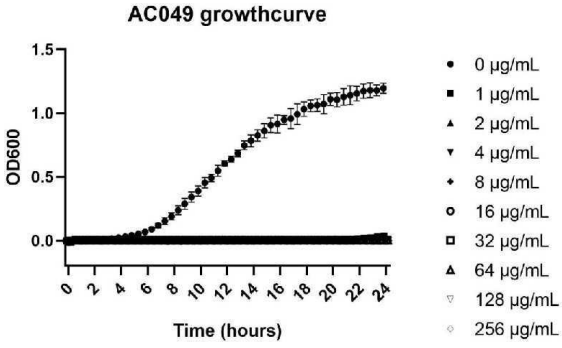

AC046 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

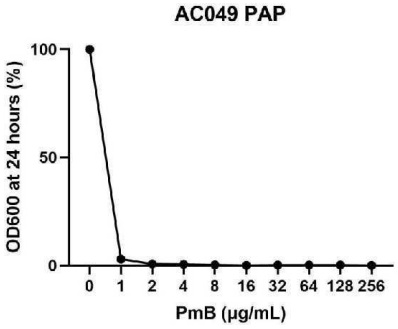

AC047 Growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

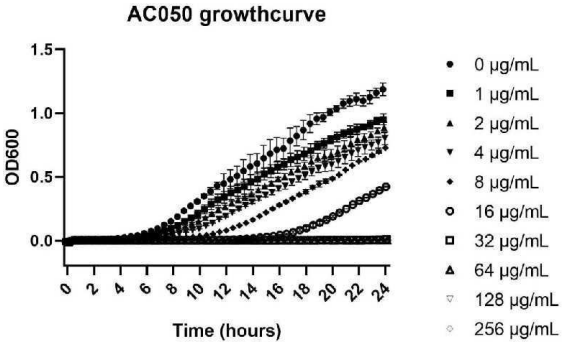

AC047 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

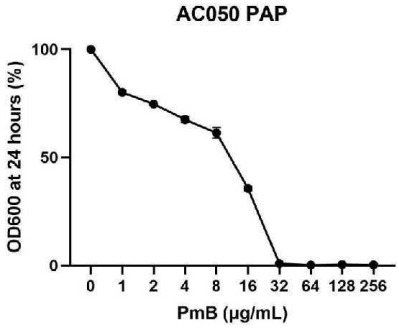

AC048 Growthcurve
OD600
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

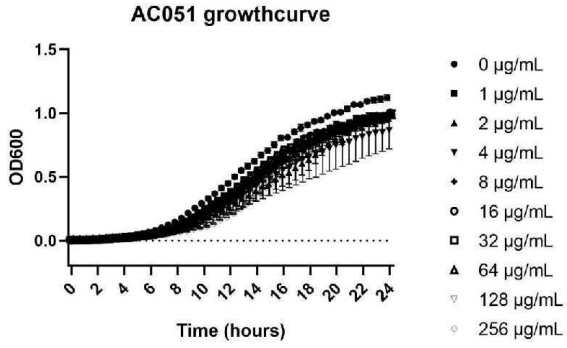

AC048 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

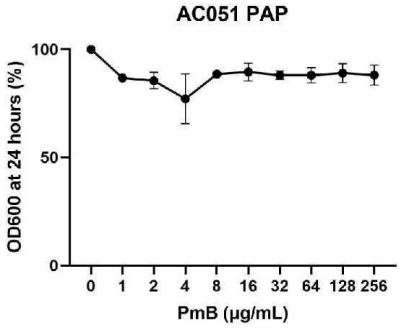

AC049 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

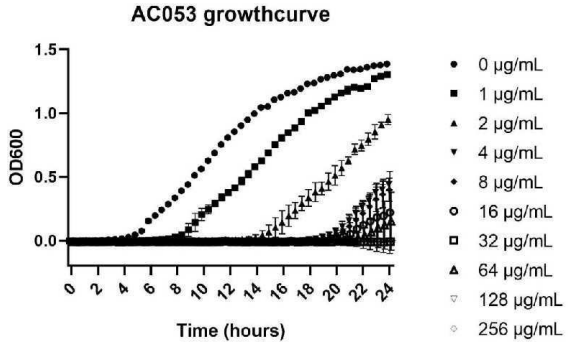

AC049 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

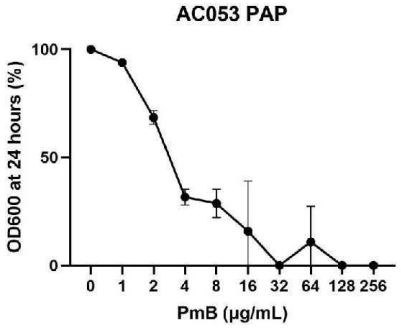

AC050 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

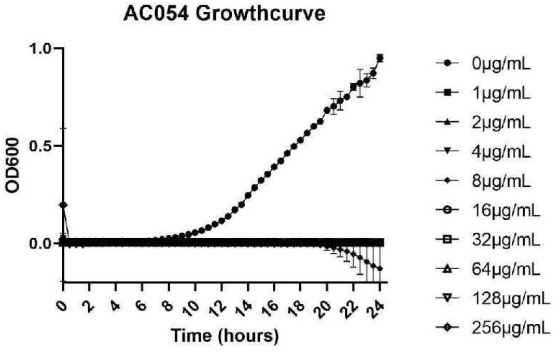

AC050 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

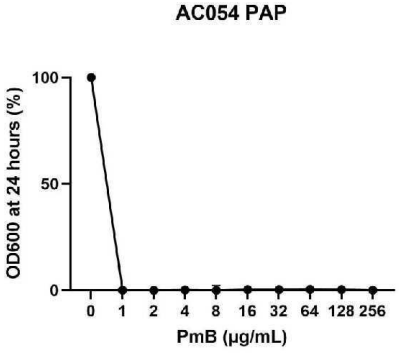

AC051 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

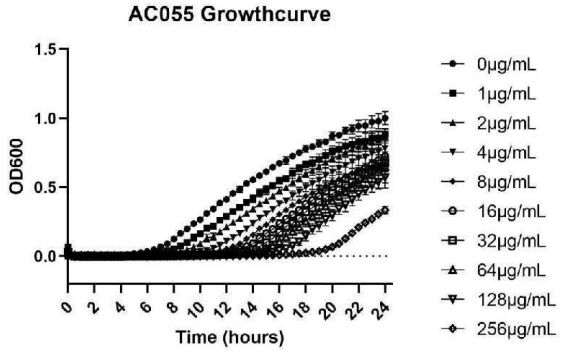

AC051 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

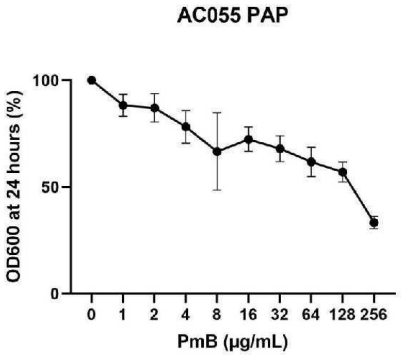

AC053 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

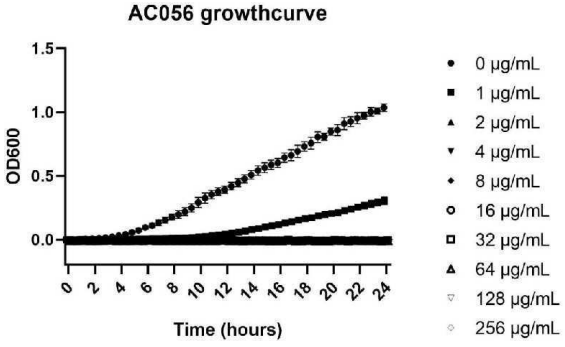

AC053 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

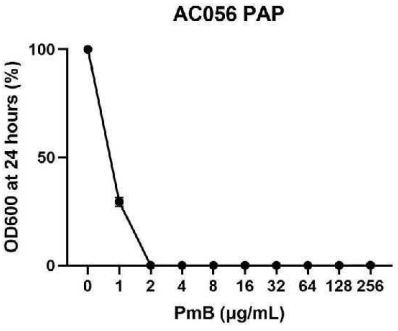

AC054 Growthcurve
OD600
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

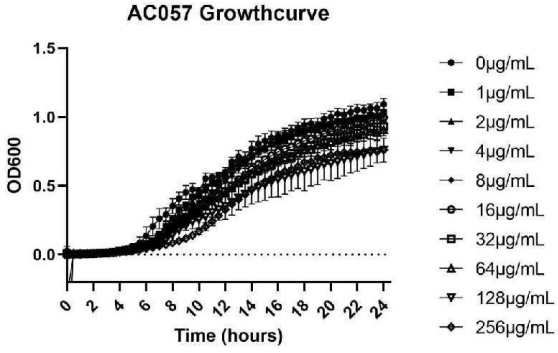

AC054 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

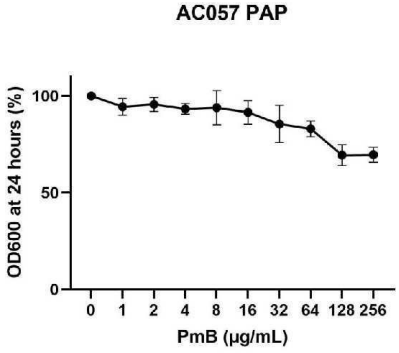

AC055 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

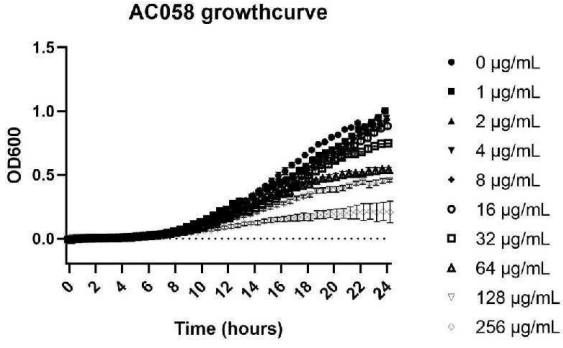

AC055 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

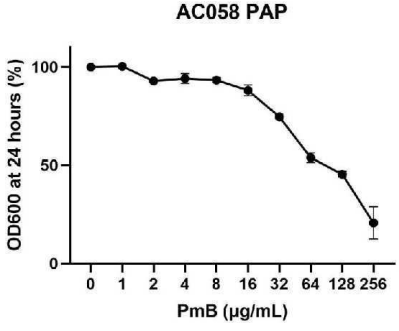

AC056 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

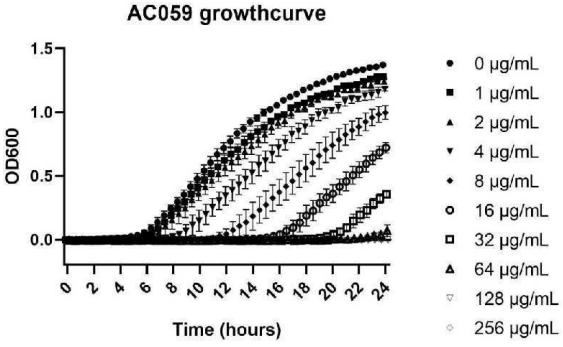

AC056 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

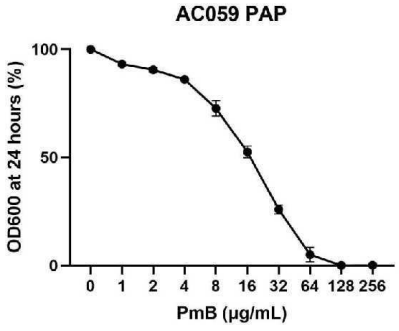

AC057 Growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

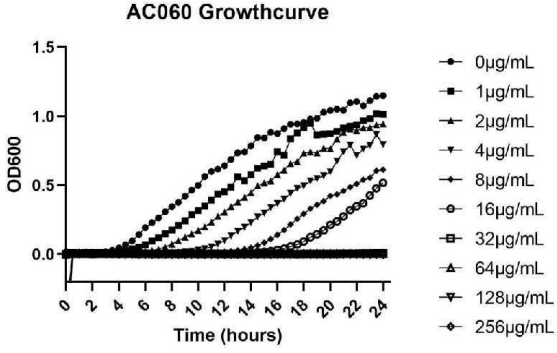

AC057 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

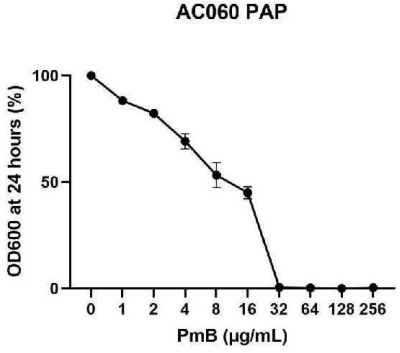

AC058 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

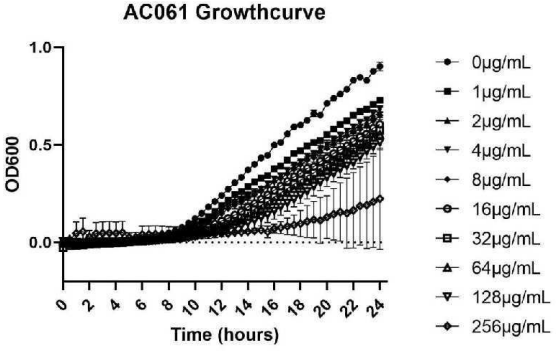

AC058 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

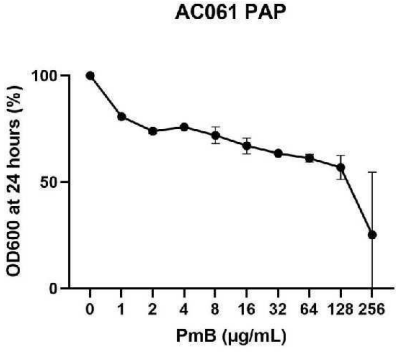

AC059 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

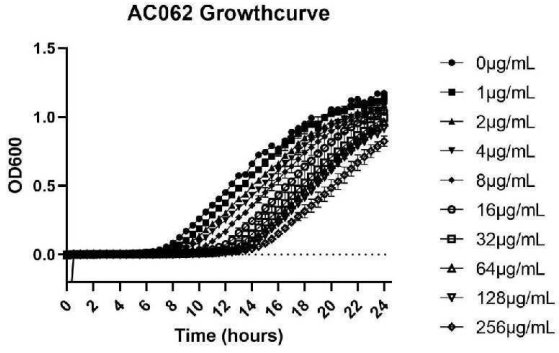

AC059 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

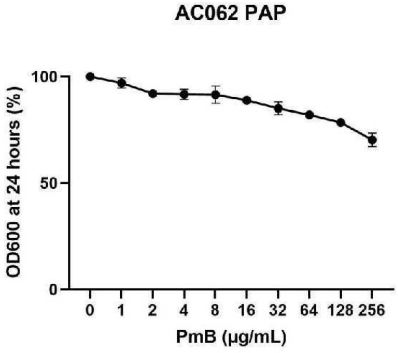

AC060 Growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

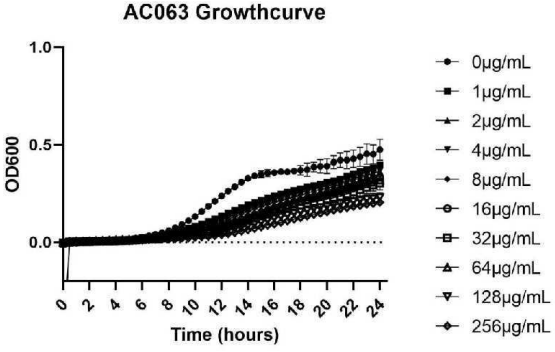

AC060 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

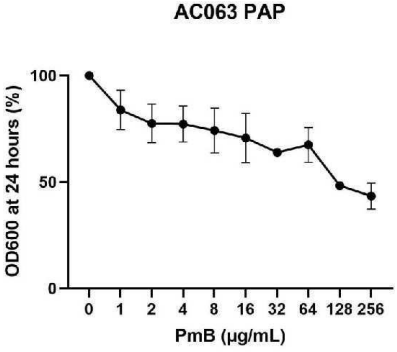

AC061 Growthcurve
OD600
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

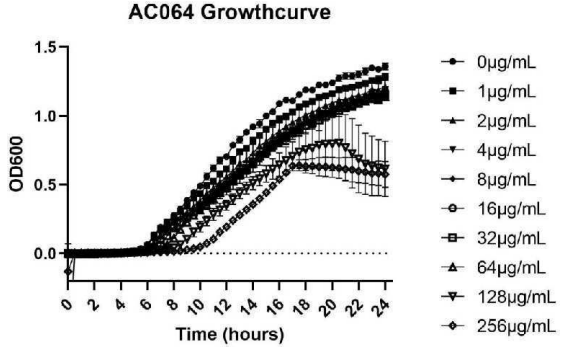

AC061 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

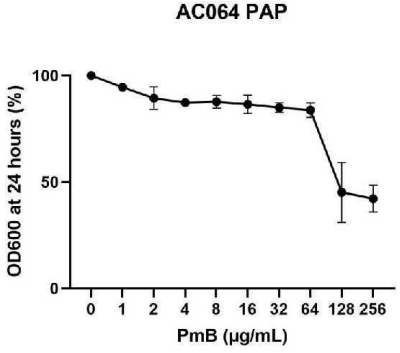

AC062 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

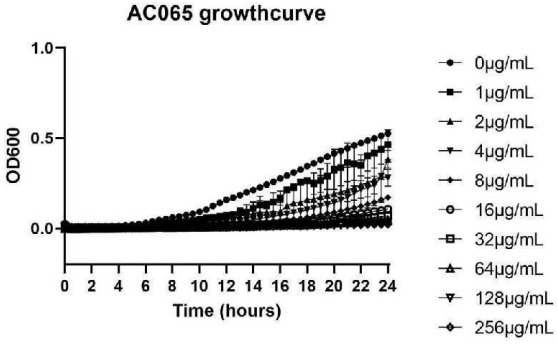

AC062 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

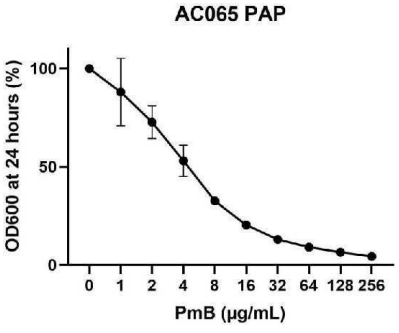

AC063 Growthcurve
OD600
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

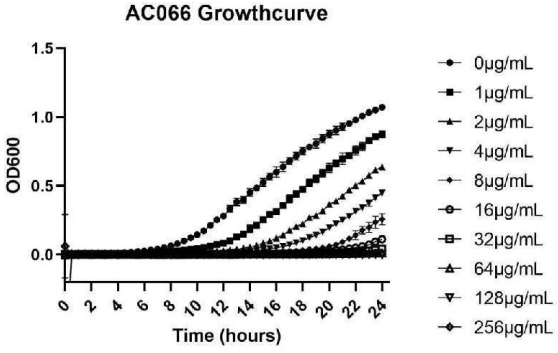

AC063 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

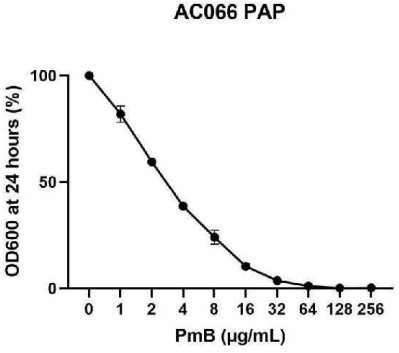

AC064 Growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

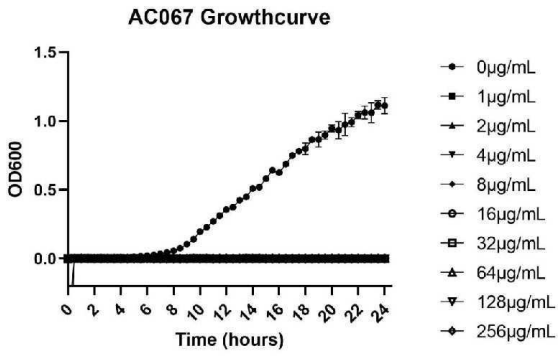

AC064 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

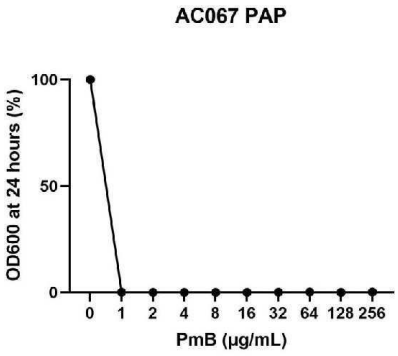

AC065 growthcurve
OD600
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

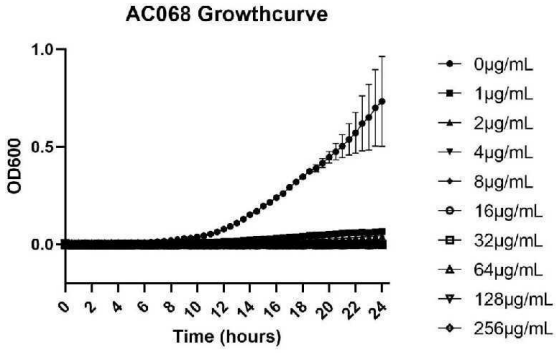

AC065 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

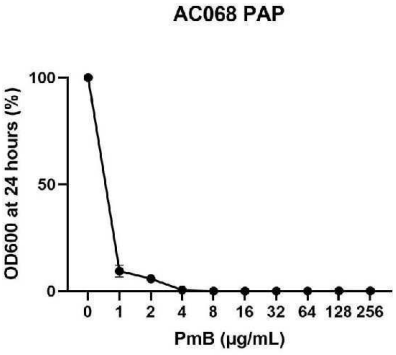

AC066 Growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

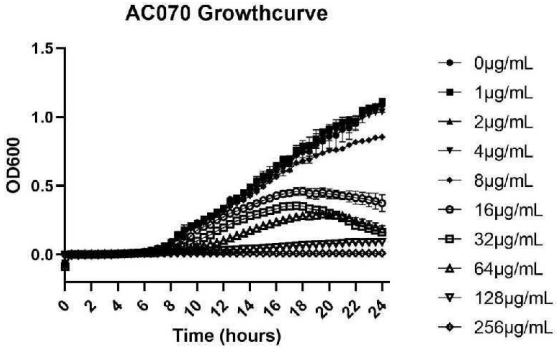

AC066 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

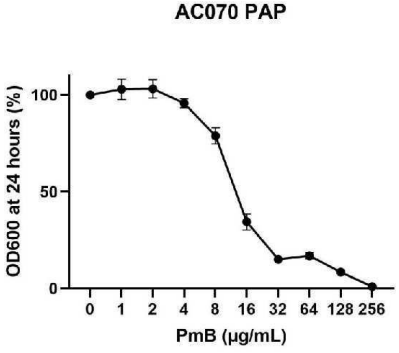

AC067 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

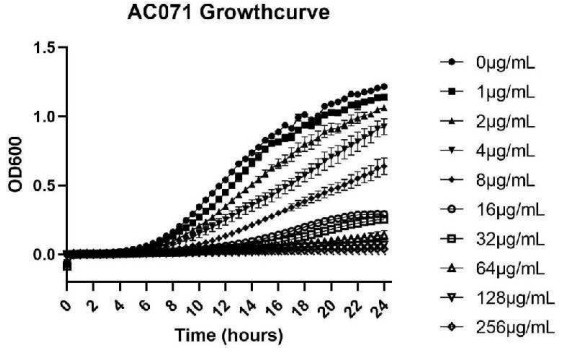

AC067 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

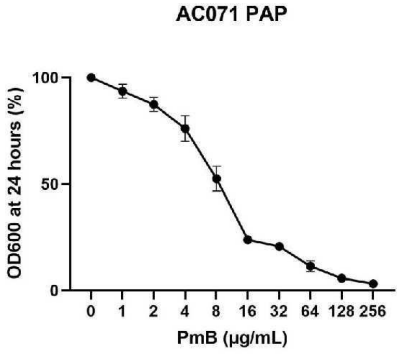

AC068 Growthcurve
OD600
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

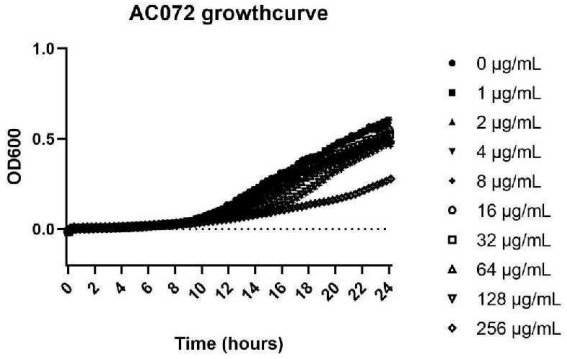

AC068 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

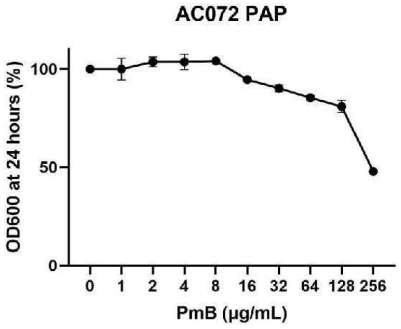

AC070 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

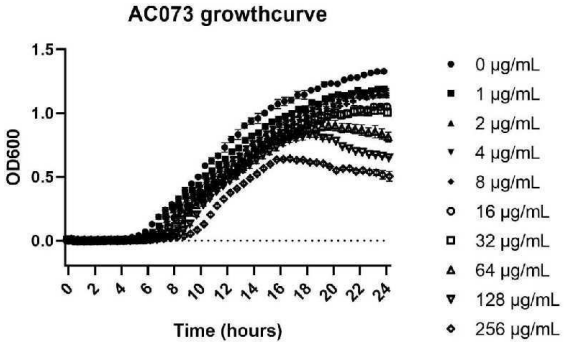

AC070 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

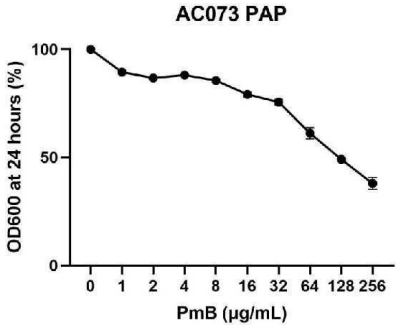

AC071 Growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

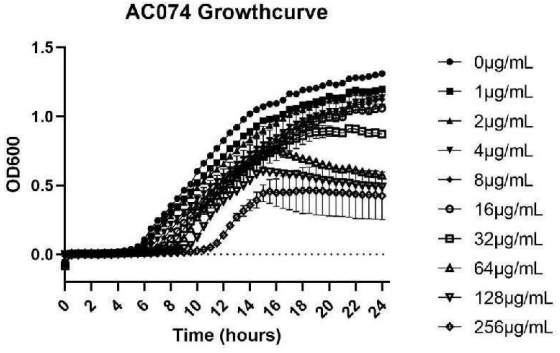

AC071 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

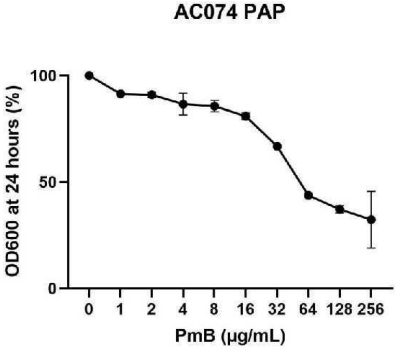

AC072 growthcurve
OD600
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

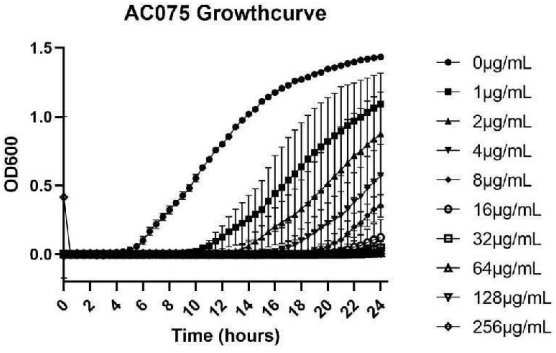

AC072 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

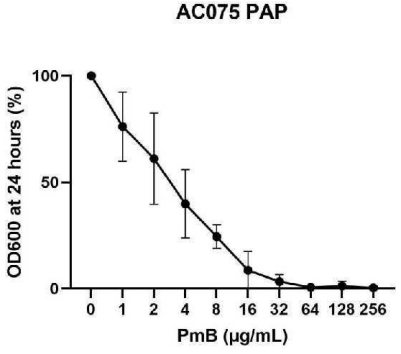

AC073 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

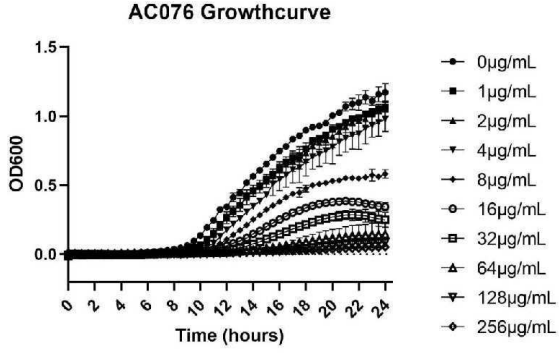

AC073 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

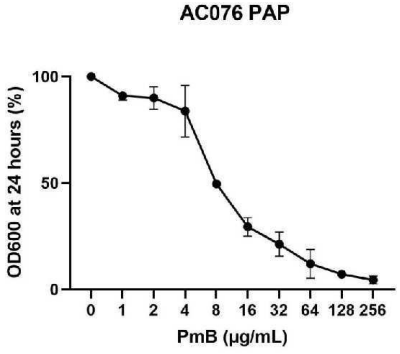

AC074 Growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

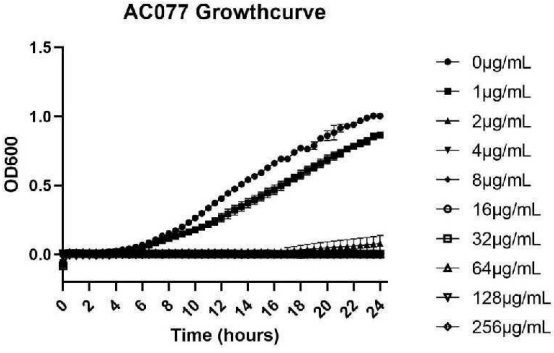

AC074 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

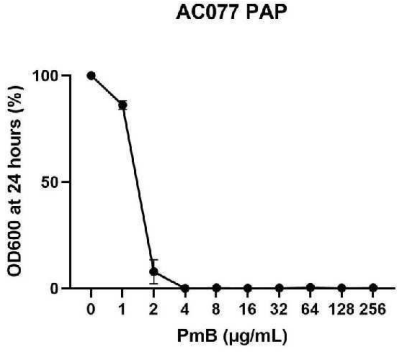

AC075 Growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

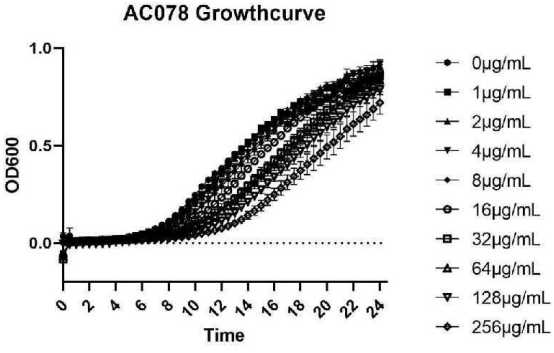

AC075 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

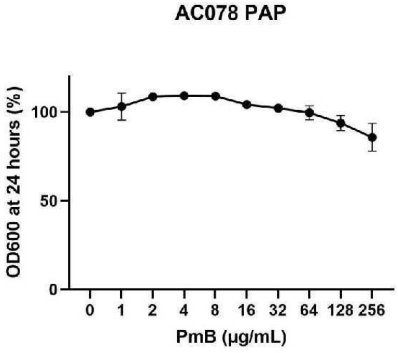

AC076 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

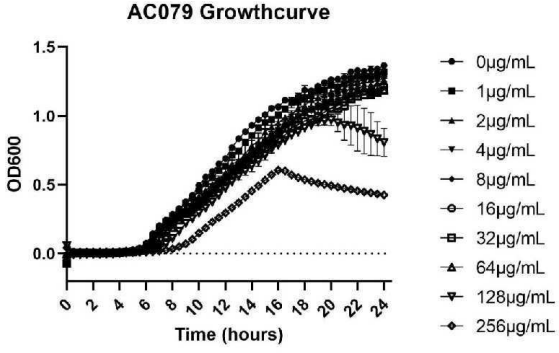

AC076 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

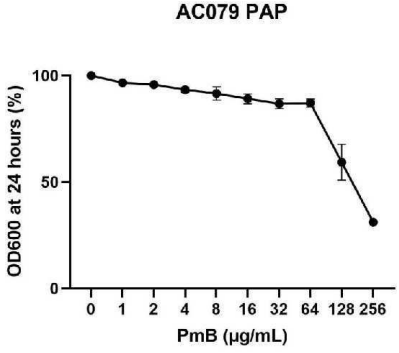

AC077 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

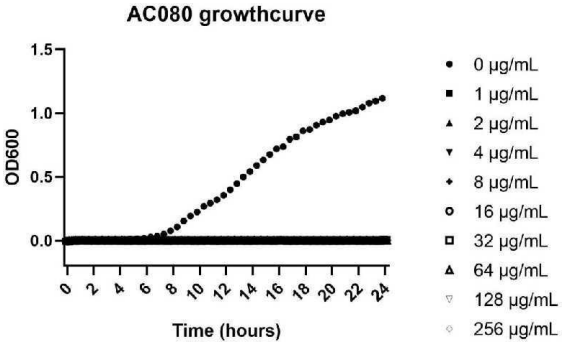

AC077 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

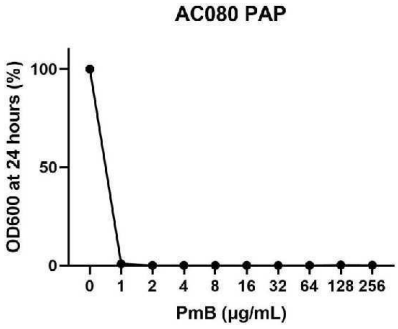

AC078 Growthcurve
OD600
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time
0μg/mL
1μg/mL
2μg/mL
4μg/mL
8μg/mL
16μg/mL
32μg/mL
64μg/mL
128μg/mL
256μg/mL

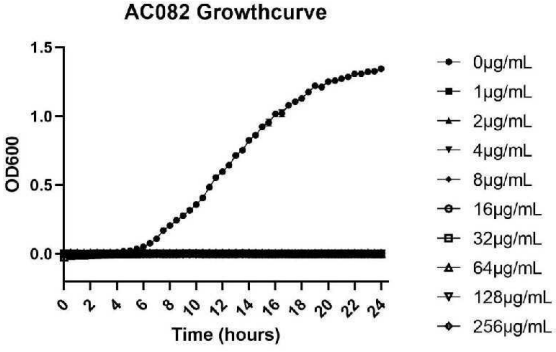

AC078 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (μg/mL)

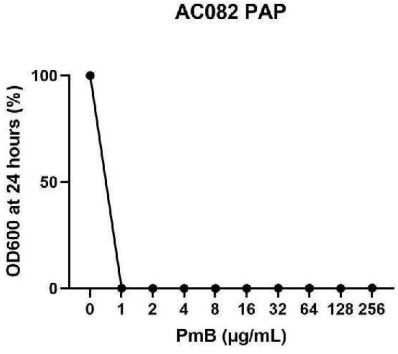

AC079 Growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

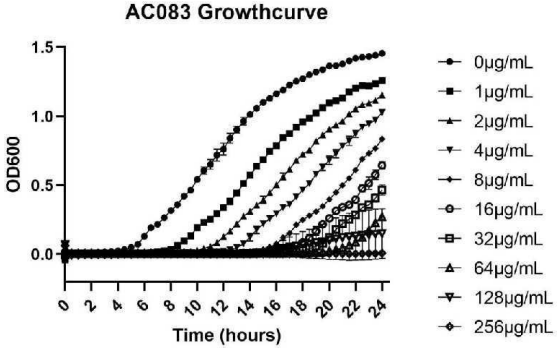

AC079 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

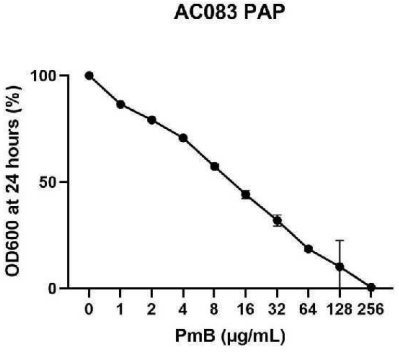

AC080 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

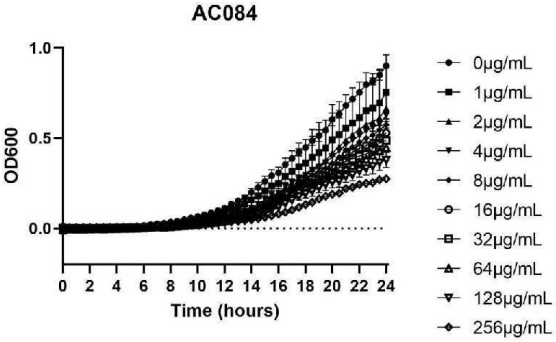

AC080 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

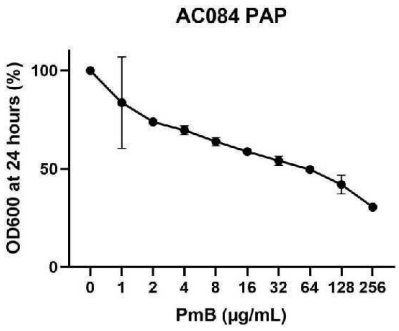

AC082 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

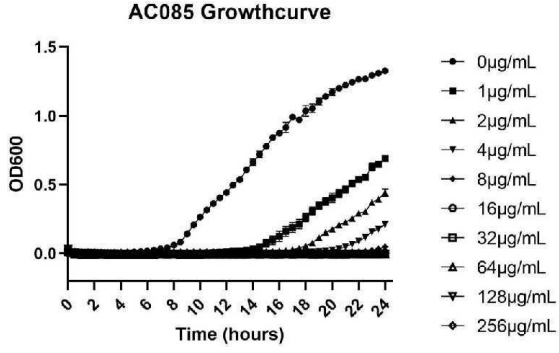

AC082 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

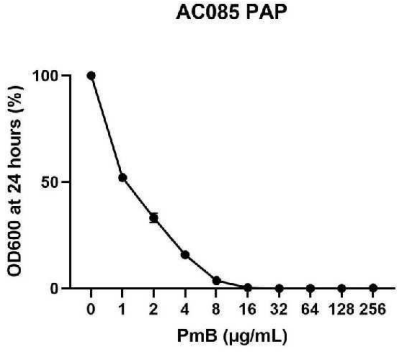

AC083 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

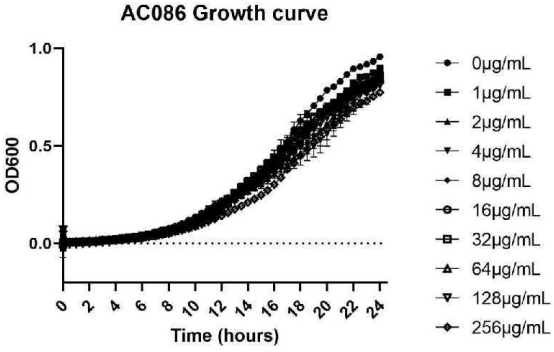

AC083 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

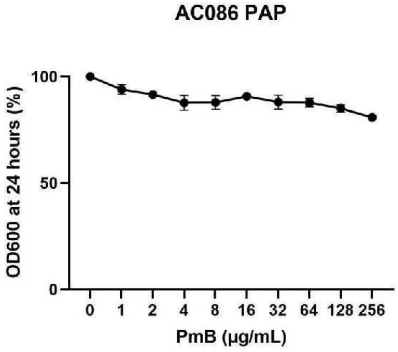

AC084
OD600
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

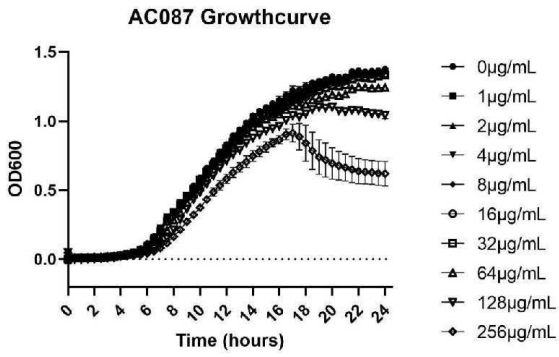

AC084 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

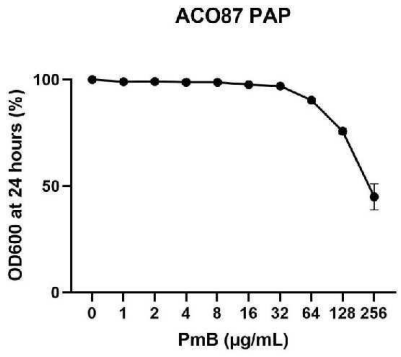

AC085 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

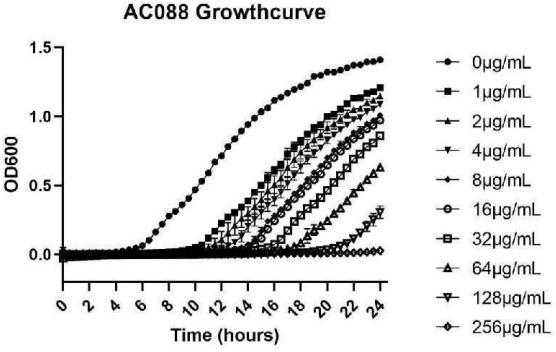

AC085 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

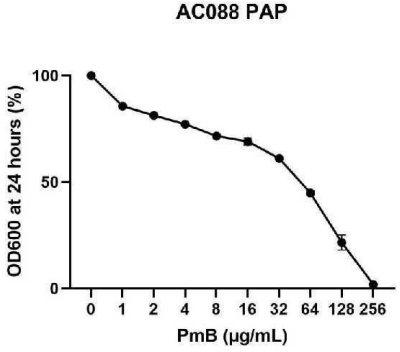

AC086 Growth curve
OD600
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0μg/mL
1μg/mL
2μg/mL
4μg/mL
8μg/mL
16μg/mL
32μg/mL
64μg/mL
128μg/mL
256μg/mL

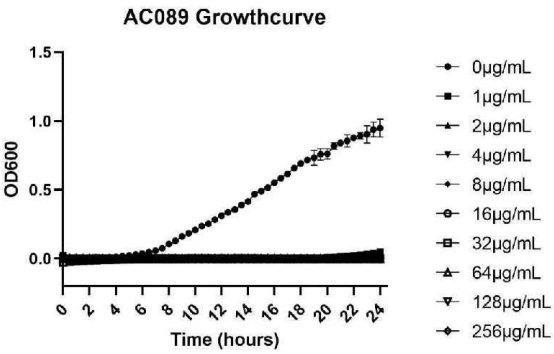

AC086 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (μg/mL)

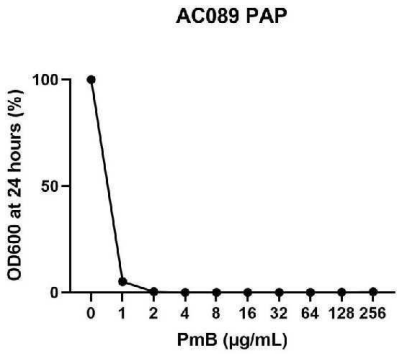

AC087 Growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

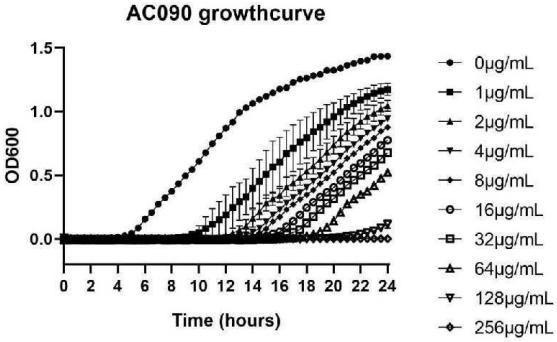

ACO87 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

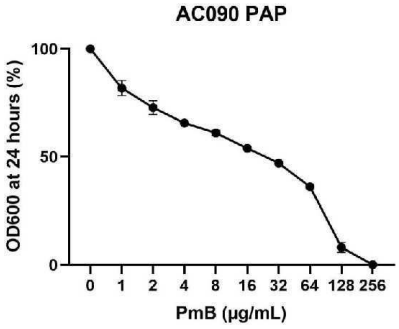

AC088 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

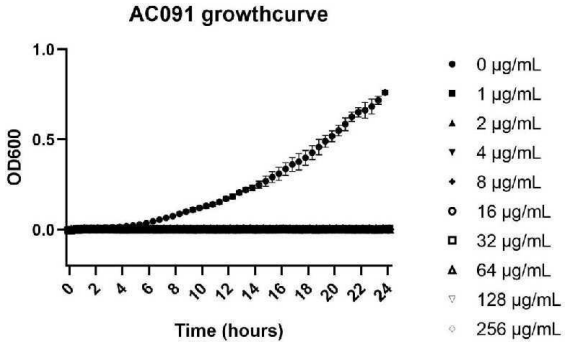

AC088 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

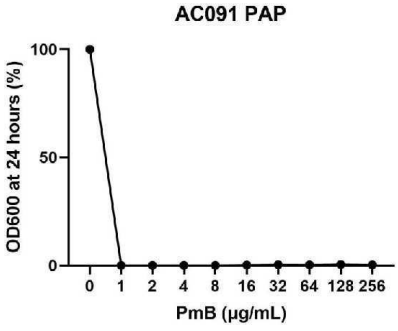

AC089 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

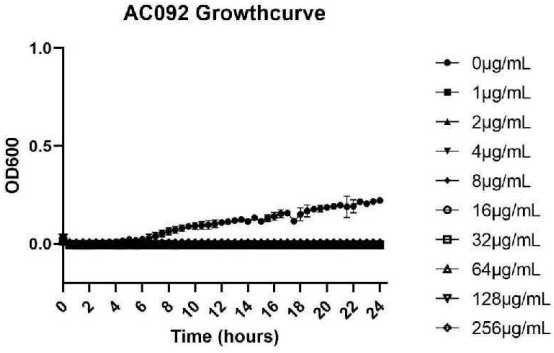

AC089 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

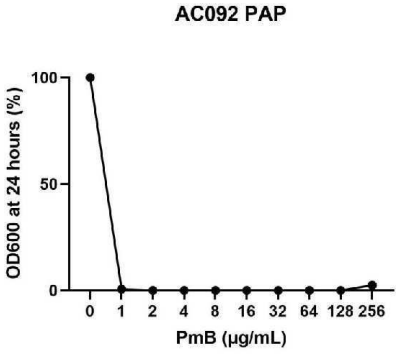

AC090 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

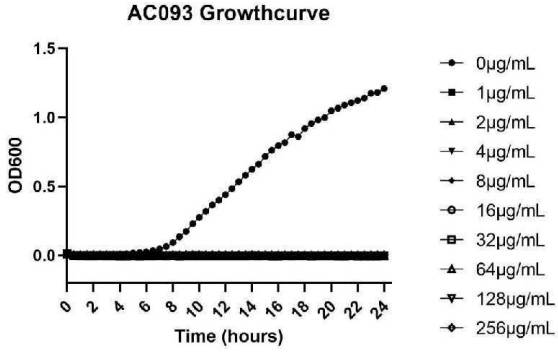

AC090 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

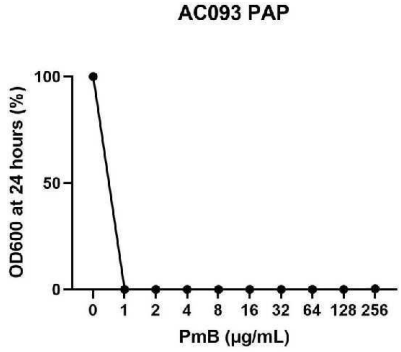

AC091 growthcurve
OD600
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

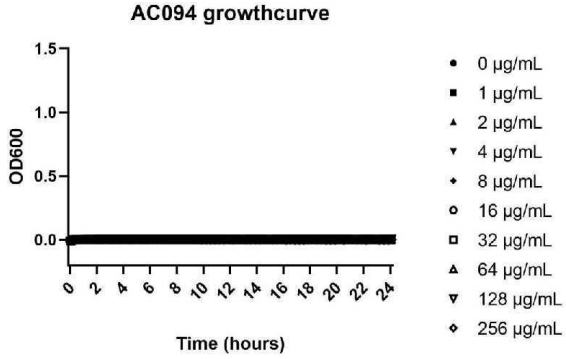

AC091 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

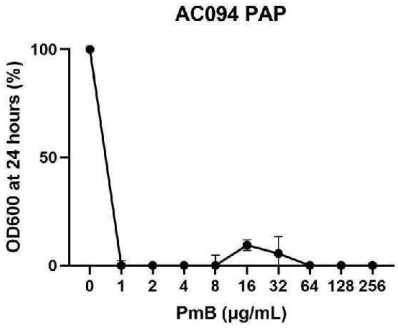

AC092 Growthcurve
OD600
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

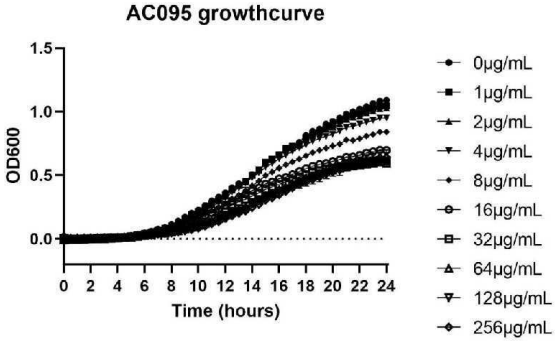

AC092 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

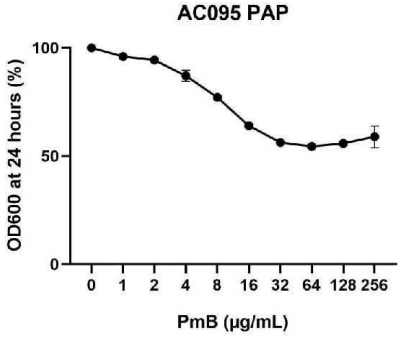

AC093 Growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

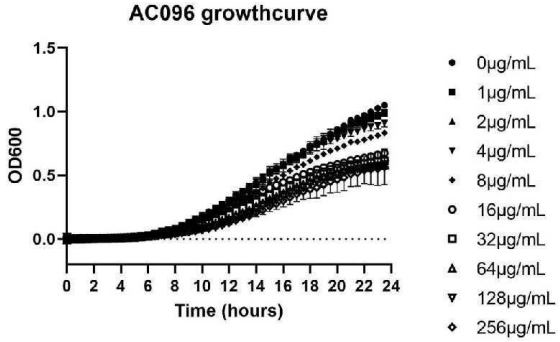

AC093 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

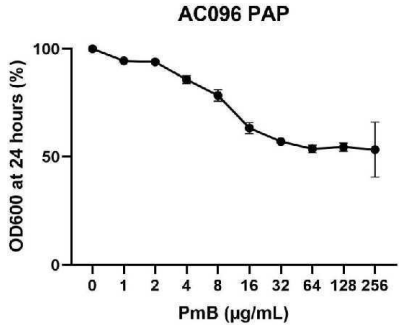

AC094 growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL

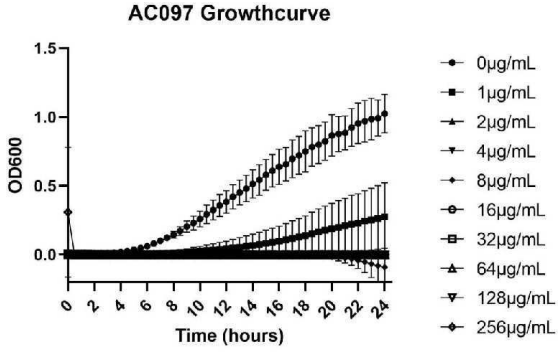

AC094 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)

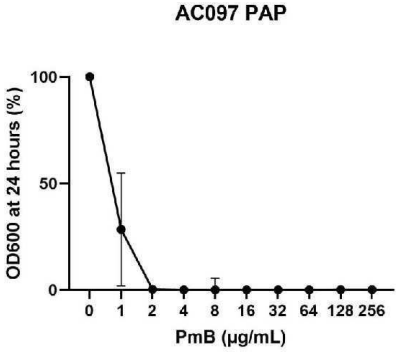

AC095 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

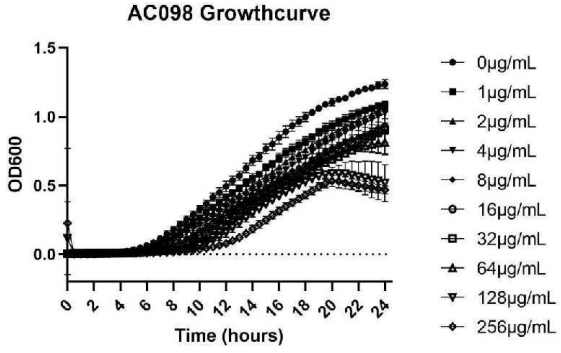

AC095 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

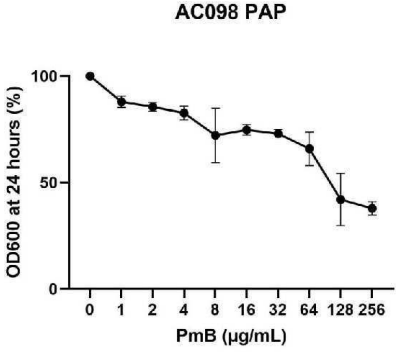

AC096 growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL

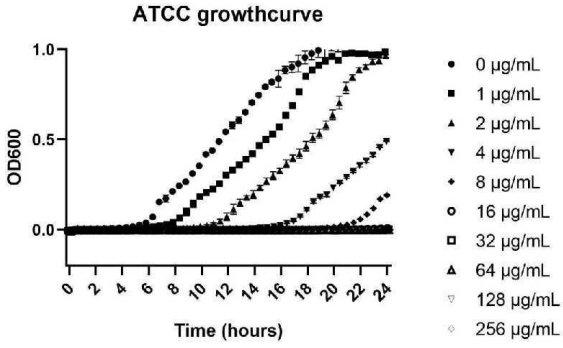

AC096 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)

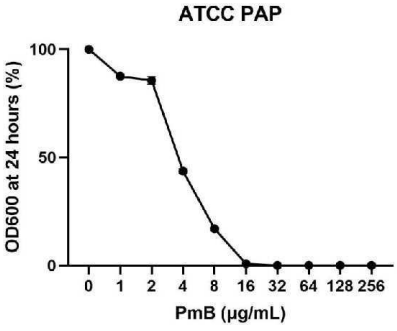

AC097 Growthcurve
OD600
1.5
1.0
0.5
0.0
0
2
4
6
8
10
12
14
16
18
20
22
24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL


AC097 PAP
OD600 at 24 hours (%)
100
50
0
0
1
2
4
8
16
32
64
128
256
PmB (µg/mL)


AC098 Growthcurve
OD600
1.5
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0µg/mL
1µg/mL
2µg/mL
4µg/mL
8µg/mL
16µg/mL
32µg/mL
64µg/mL
128µg/mL
256µg/mL


AC098 PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)


ATCC growthcurve
OD600
1.0
0.5
0.0
0 2 4 6 8 10 12 14 16 18 20 22 24
Time (hours)
0 µg/mL
1 µg/mL
2 µg/mL
4 µg/mL
8 µg/mL
16 µg/mL
32 µg/mL
64 µg/mL
128 µg/mL
256 µg/mL


ATCC PAP
OD600 at 24 hours (%)
100
50
0
0 1 2 4 8 16 32 64 128 256
PmB (µg/mL)