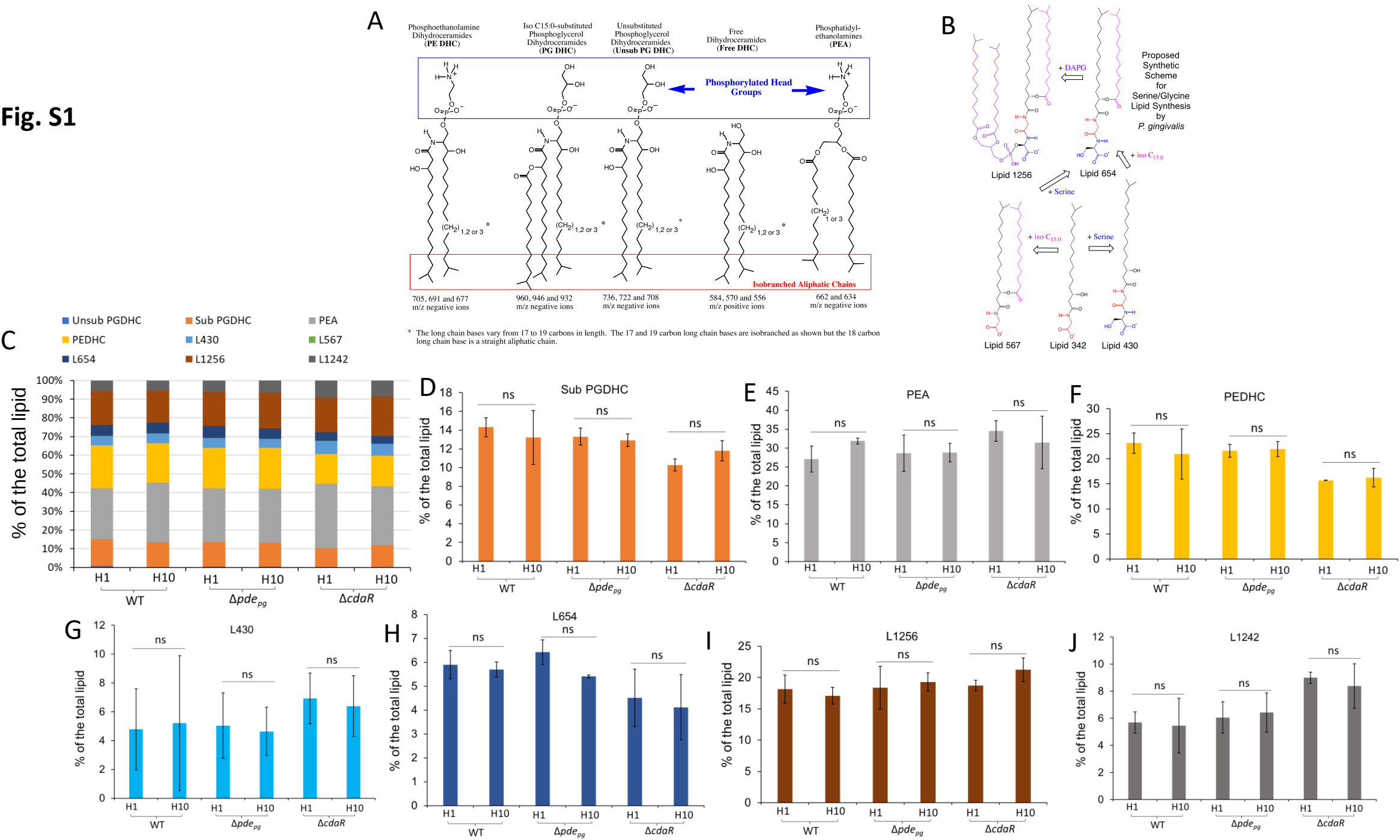
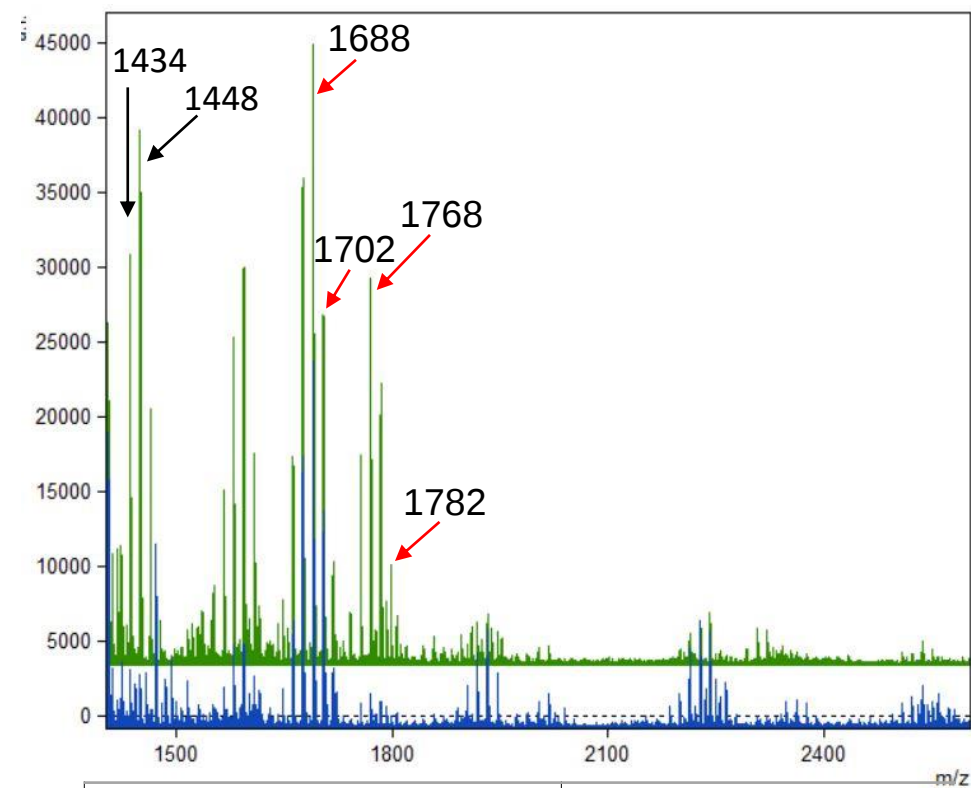
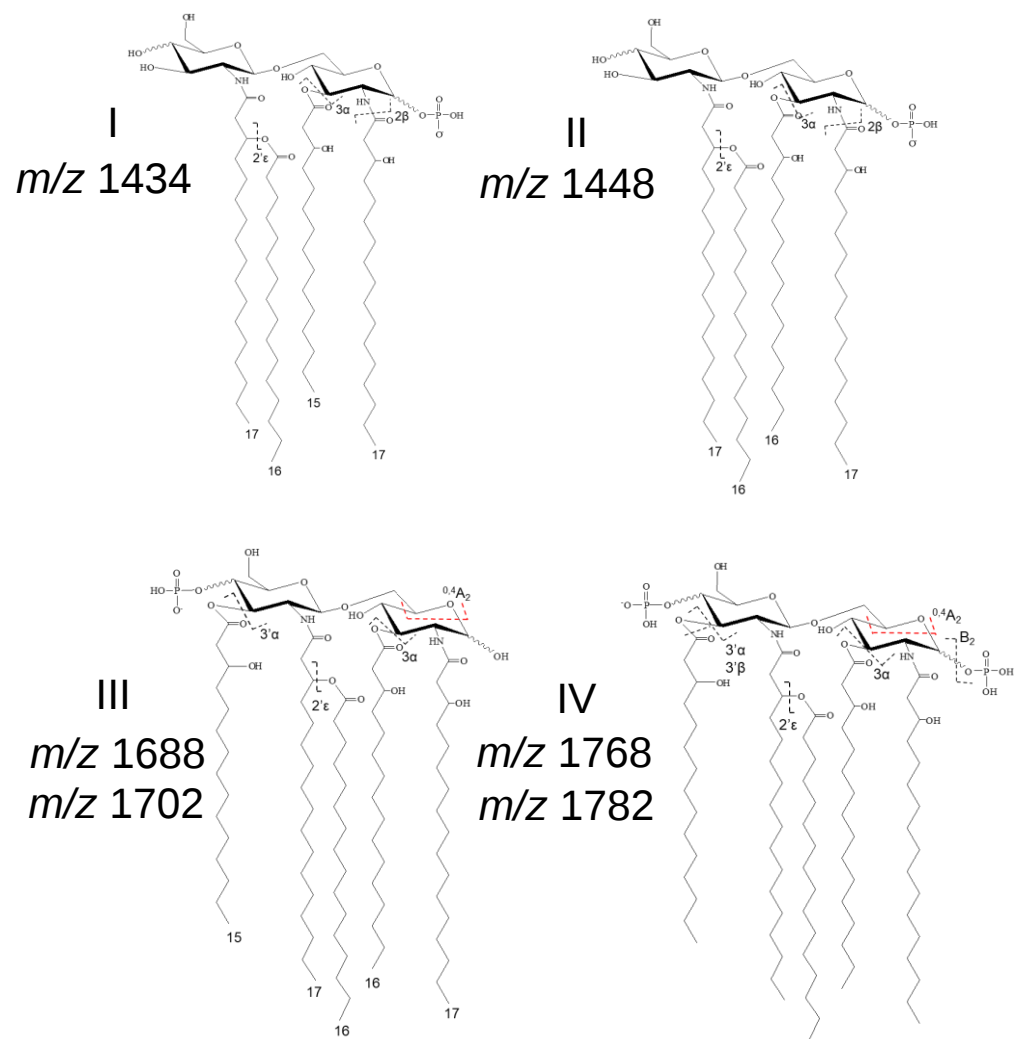


Fig. S1

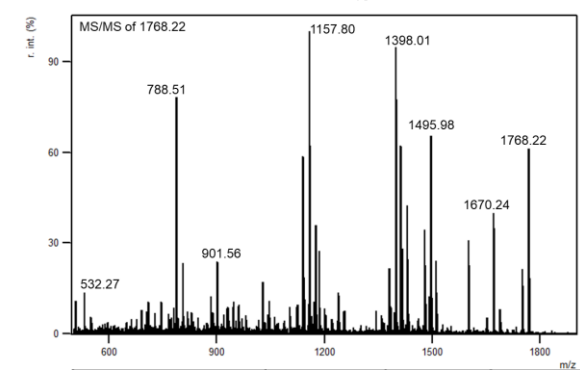
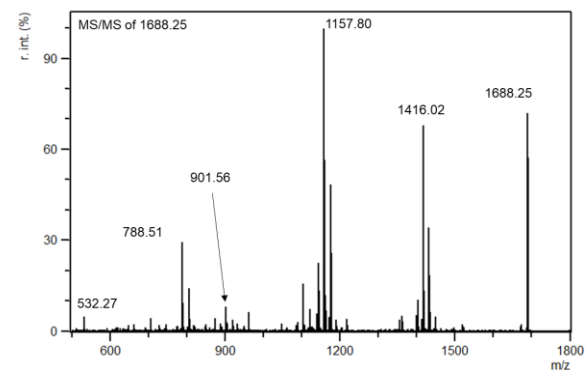
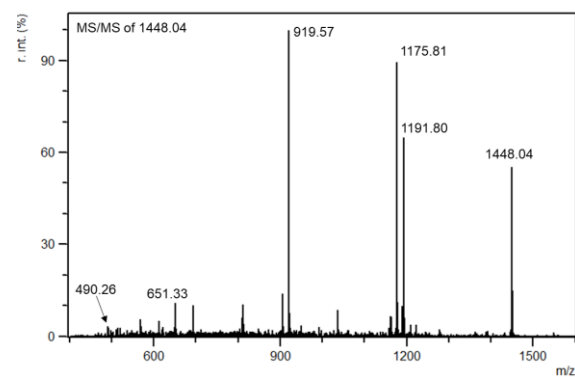
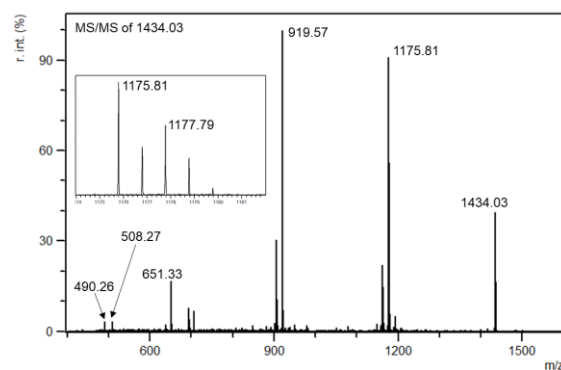
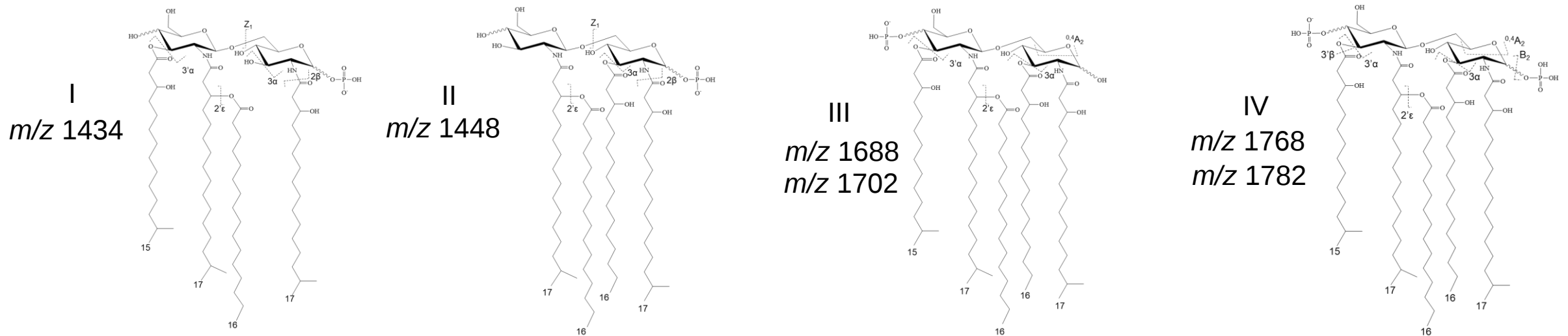




Hemin 10
Hemin 1

	H1	H 10
$I_{1448}/(I_{1448}+I_{1782})$	n/a	0.64
$I_{1448}/(I_{1448}+I_{1768})$	0.65	0.57
$I_{1448}/(I_{1448}+I_{1702})$	0.28	0.58
$I_{1448}/(I_{1448}+I_{1688})$	0.19	0.45

Fig. S2



Naming	m/z (theory)	m/z (expt)	Error (Da)
3'α	1175.81	1175.79	0.02
2'ε	1177.79	1177.77	0.02
3'α + 2'ε	919.57	919.55	0.02
3'α + 2'ε + 2β	651.33	651.31	0.02
Z ₁	508.27	508.26	0.01
Z ₁ + 3α	490.26	490.25	0.01

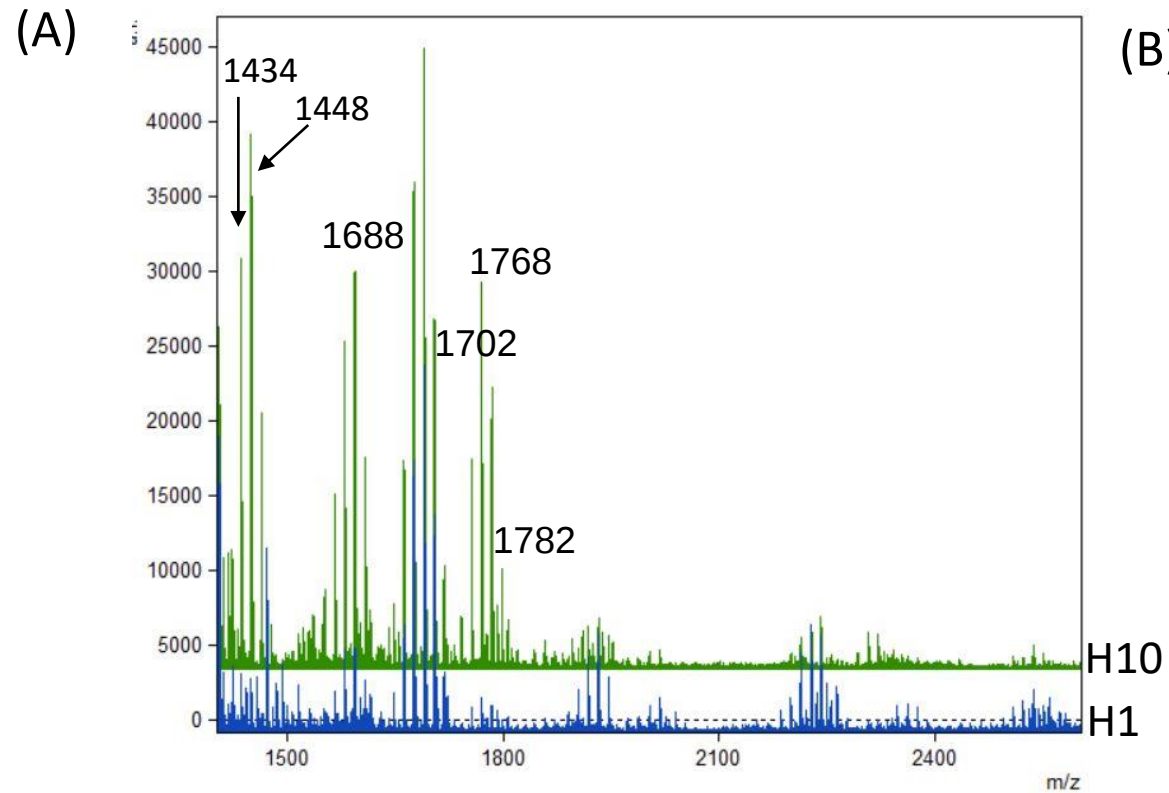
Naming	m/z (theory)	m/z (expt)	Error (Da)
3α	1175.81	1175.80	0.01
2'ε	1191.80	1177.80	0.00
3'α + 2'ε	919.57	919.57	0.00
3'α + 2'ε + 2β	651.33	651.33	0.00
Z ₁ + 3α	490.26	490.26	0.00

Naming	m/z (theory)	m/z (expt)	Error (Da)
3α	1416.02	1415.99	0.03
3α + 3'α	1157.80	1157.78	0.02
3α + 3'α + 2'ε	901.56	901.54	0.02
3'α + ^{0,4} A ₂	788.51	788.50	0.01
3'α + 2'ε + ^{0,4} A ₂	532.27	532.26	0.01

Naming	m/z (theory)	m/z (expt)	Error (Da)
B ₂	1670.24	1670.24	0.00
3α	1495.98	1495.98	0.00
B ₂ + 3α	1398.01	1398.01	0.00
B ₂ + 3'α + 3'β	1157.80	1157.80	0.00
B ₂ + 3'α + 3'β + 2'ε	901.56	901.56	0.00
3'α + ^{0,4} A ₂	788.51	788.50	0.01
3'α + 2'ε + ^{0,4} A ₂	532.27	532.27	0.00

Fig. S3

The FLATⁿ/LPS_{pure}



The FLATⁿ/*in situ*

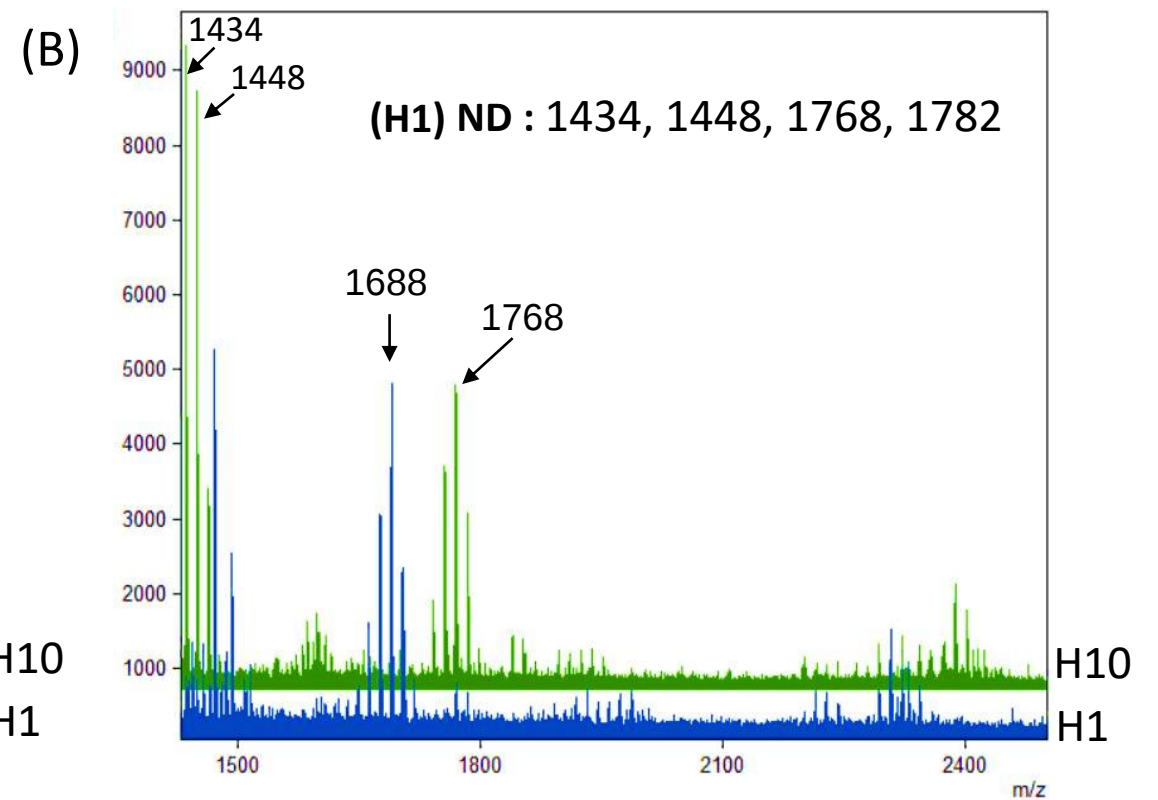


Fig. S4

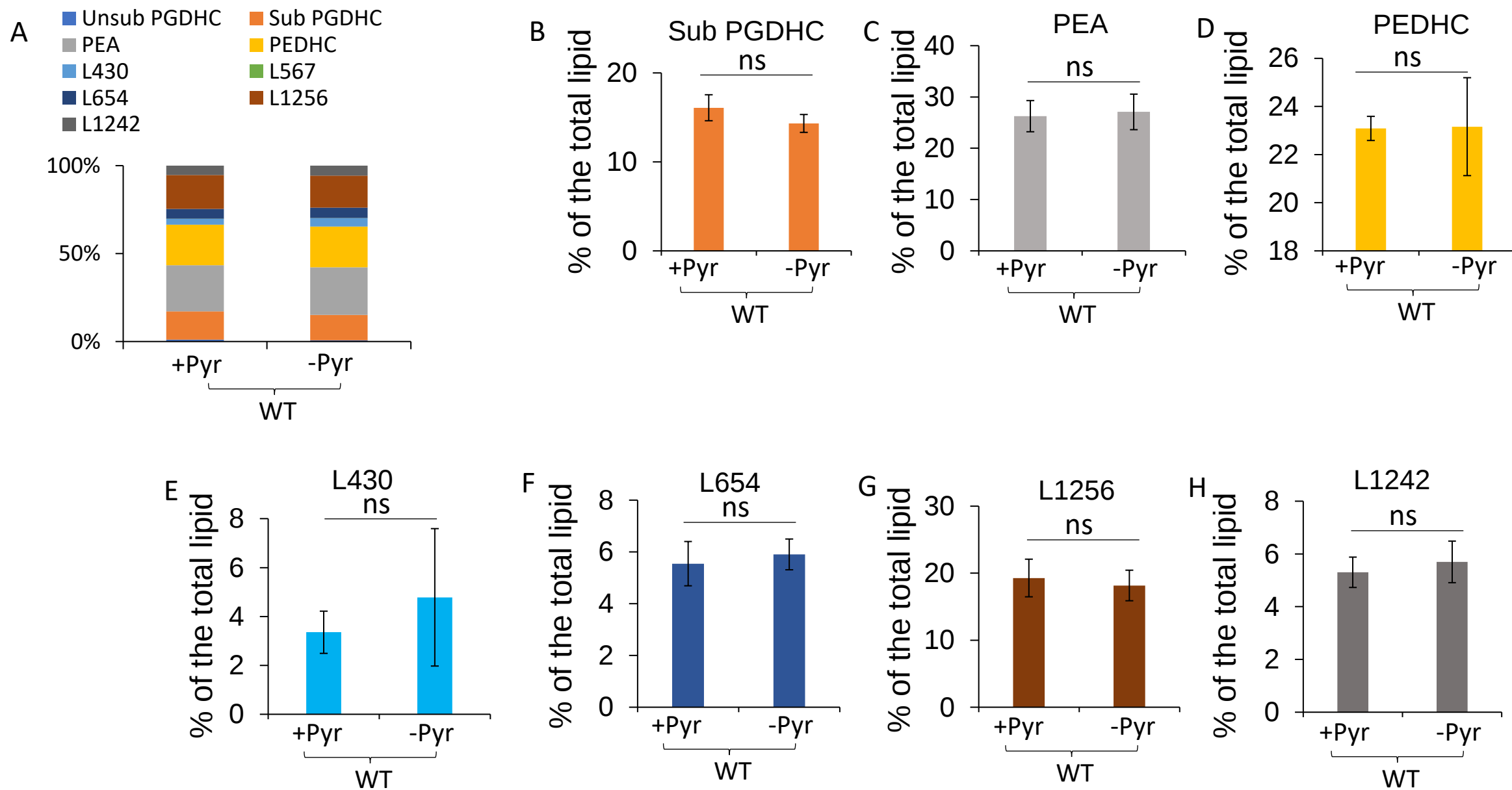


Fig. S5

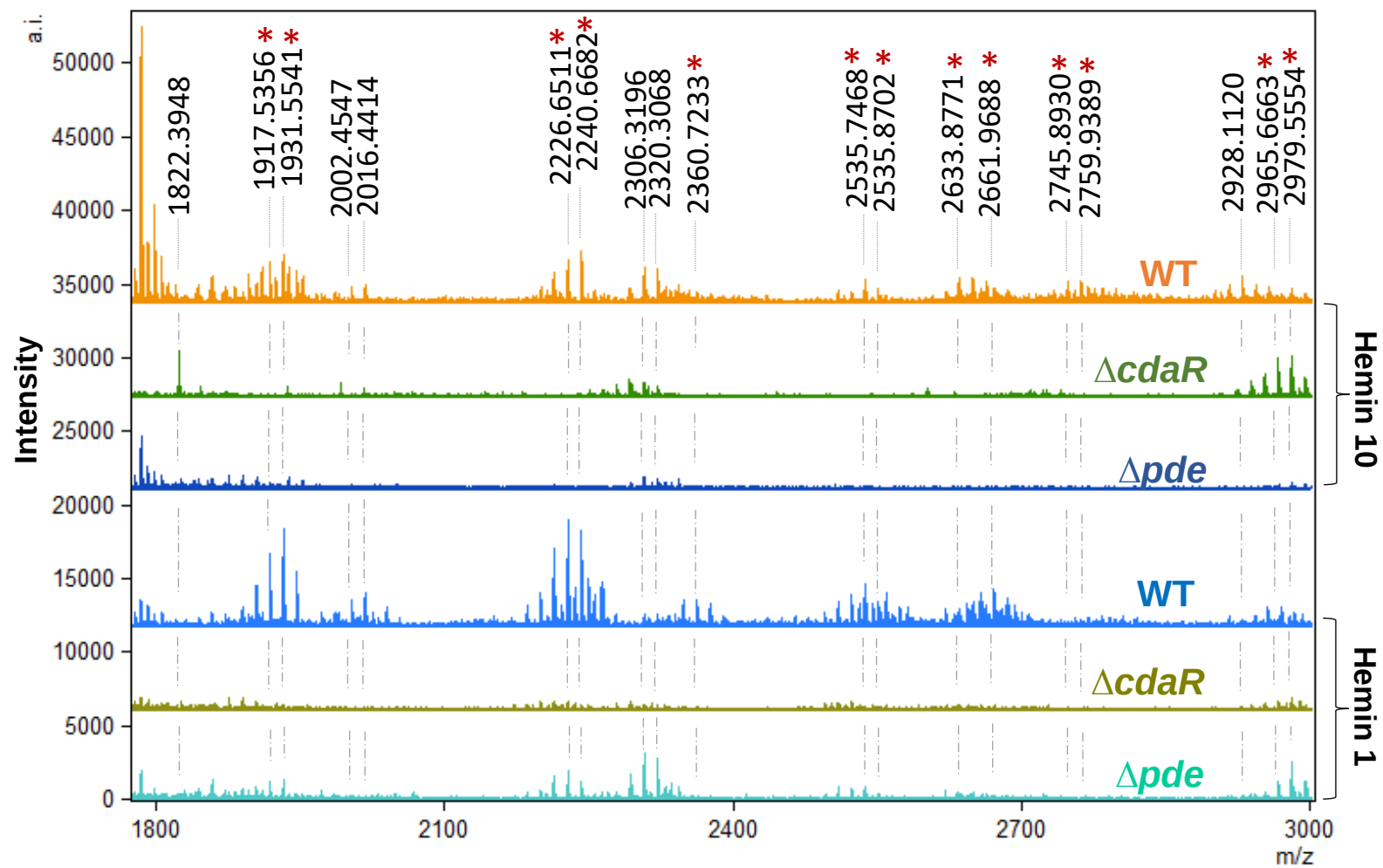
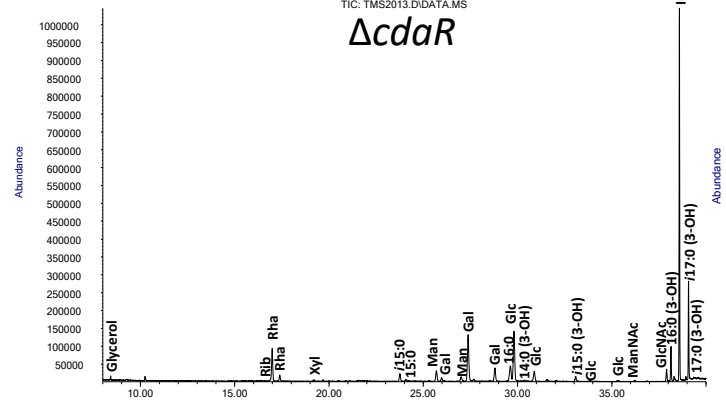


Fig. S6

A

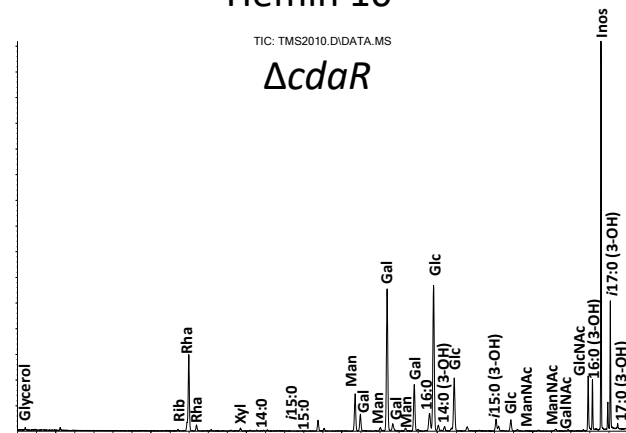
Hemin 1

TIC: TMS2013.D\\DATA.MS

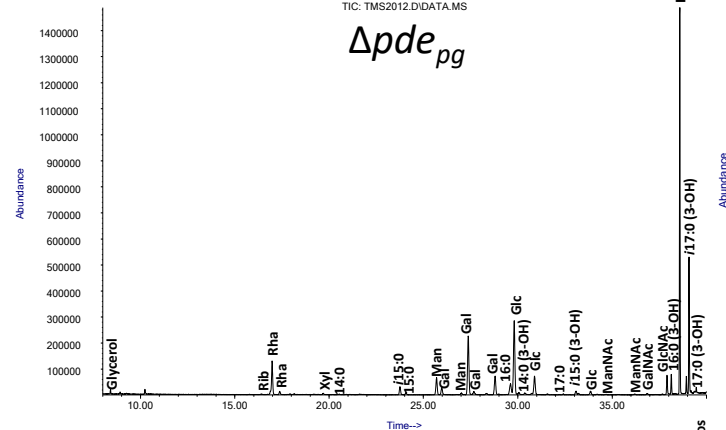
ΔcdaR

Hemin 10

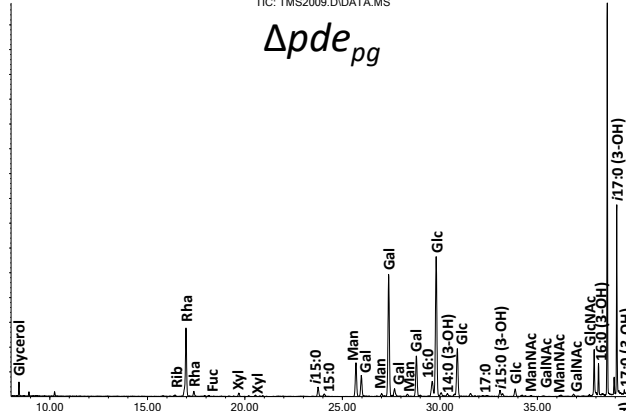
TIC: TMS2010.D\\DATA.MS

ΔcdaR*Δpde_{pg}*

TIC: TMS2012.D\\DATA.MS

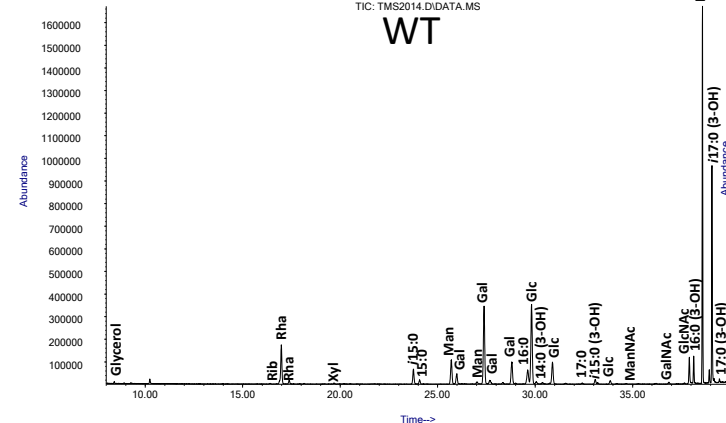
*Δpde_{pg}*

TIC: TMS2009.D\\DATA.MS



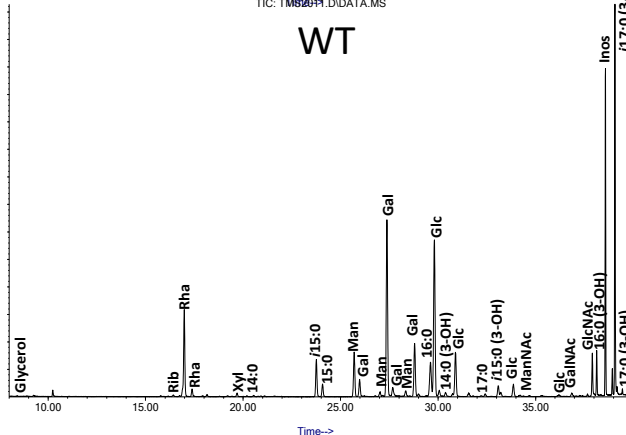
WT

TIC: TMS2014.D\\DATA.MS



WT

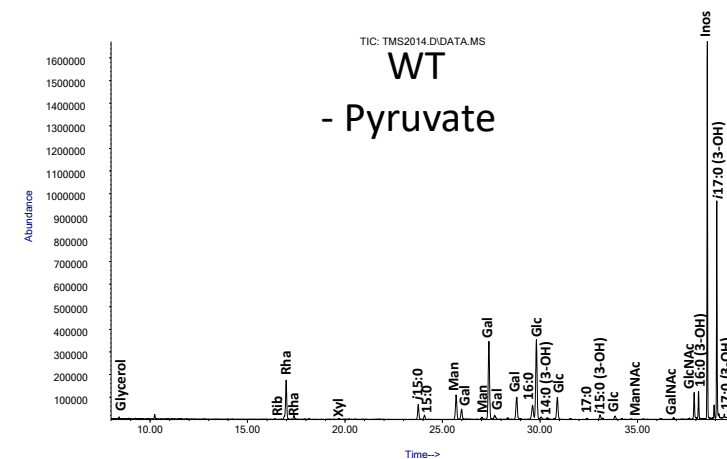
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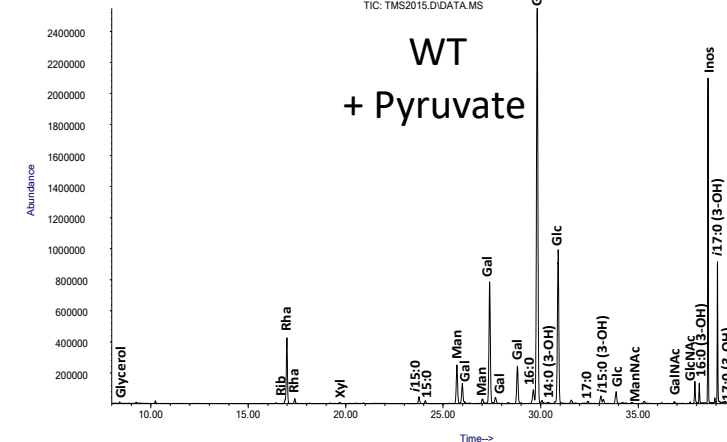
TIC: TMS2014.D\\DATA.MS

WT

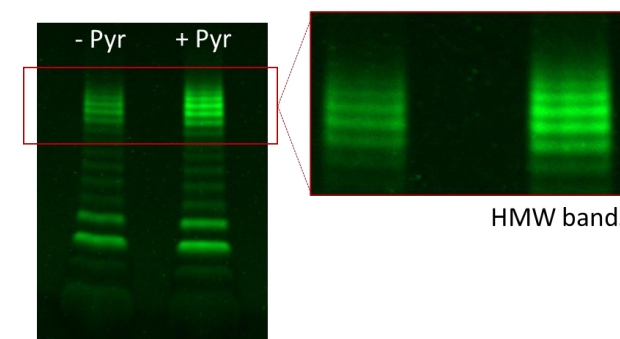
- Pyruvate

WT
+ Pyruvate

TIC: TMS2015.D\\DATA.MS



B



HMW bands

Fig. S7

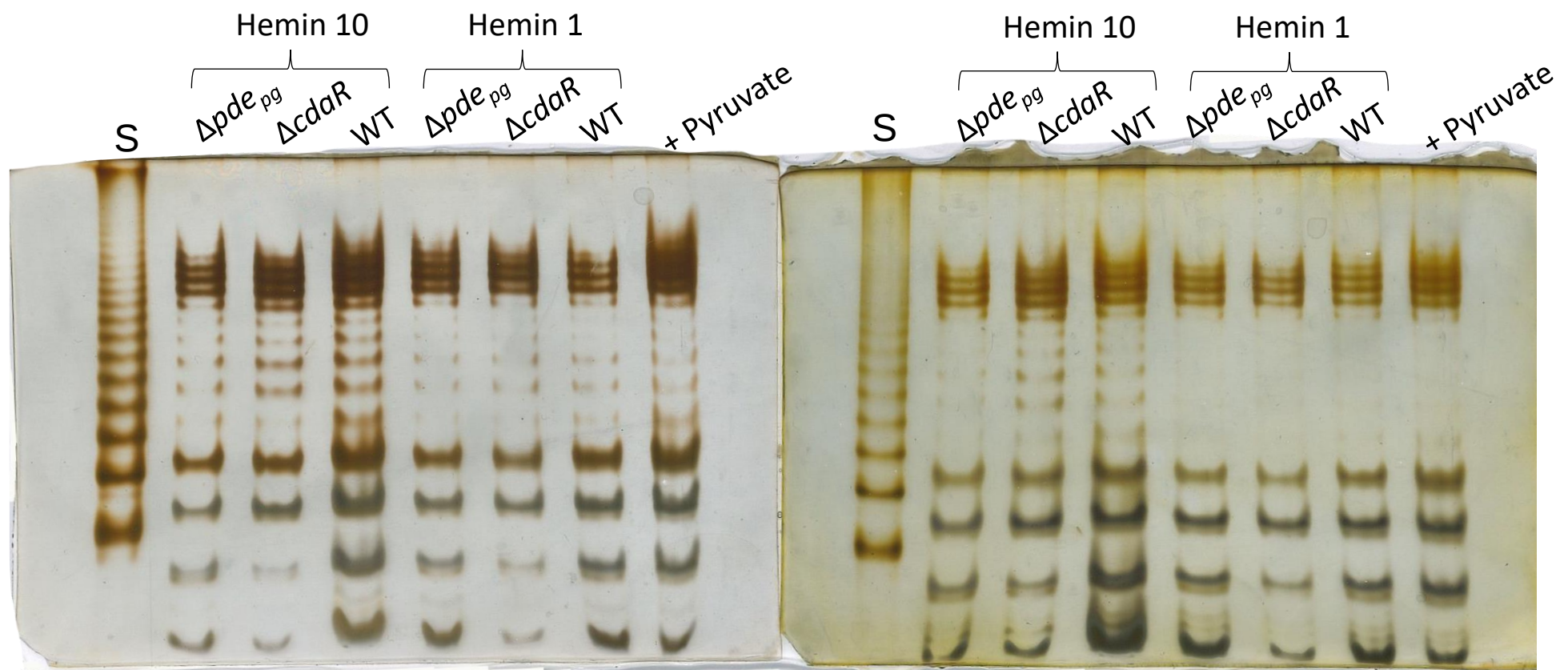


Fig. S8

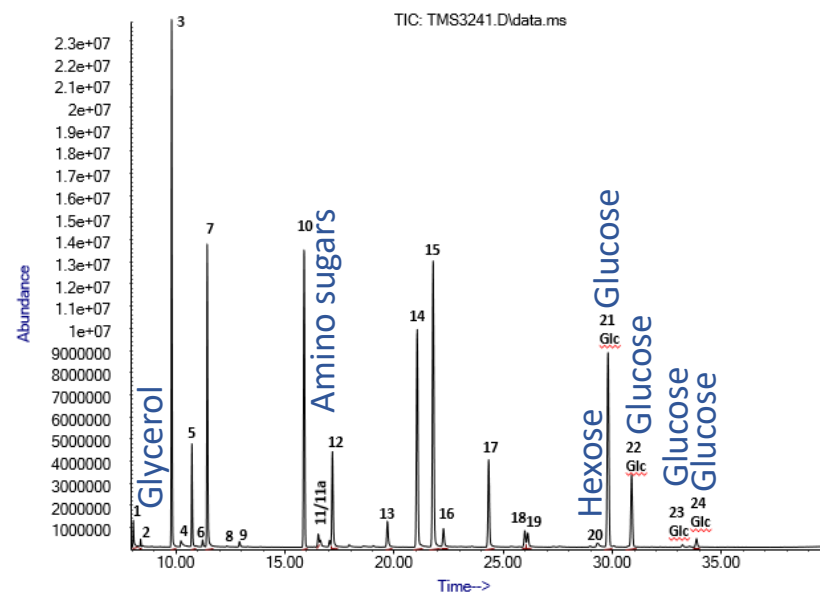
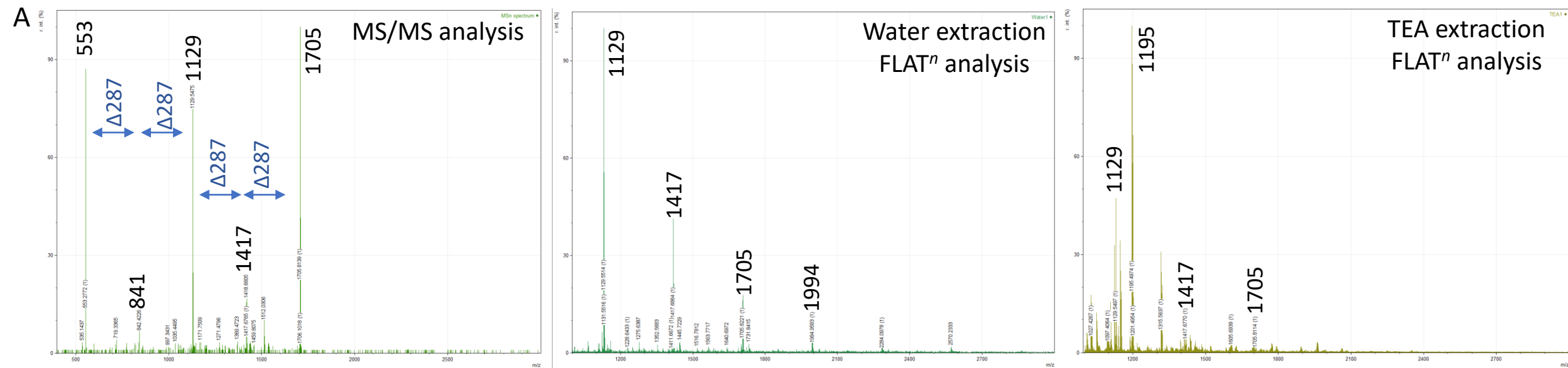


Fig. S9

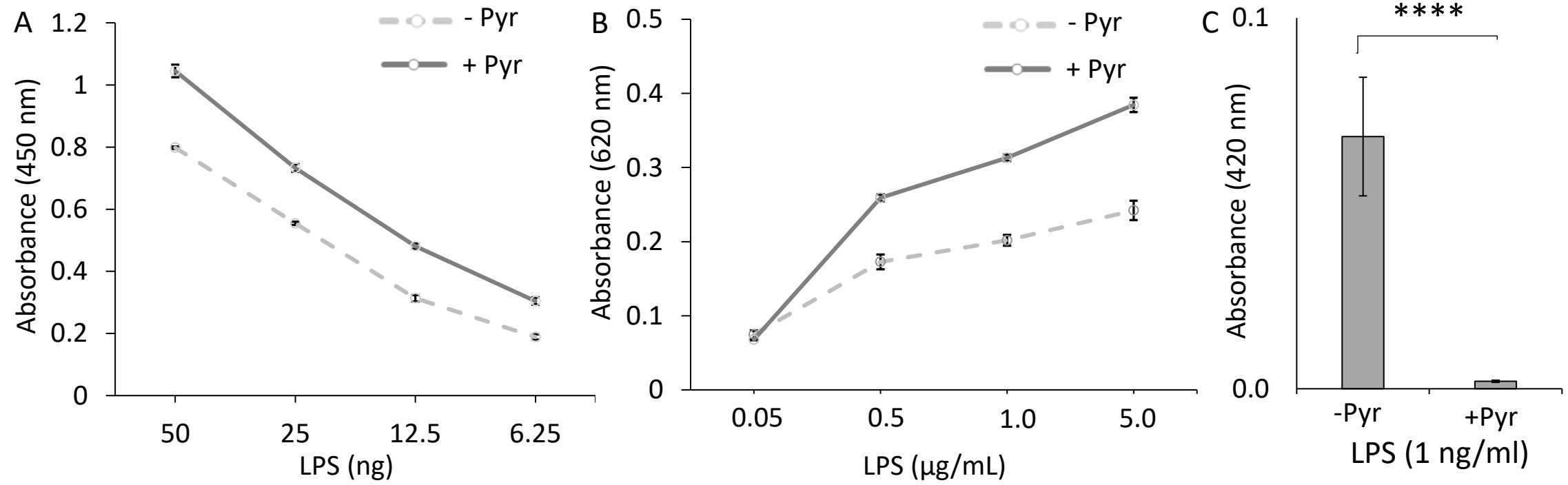


Fig. S10

Standard Curves

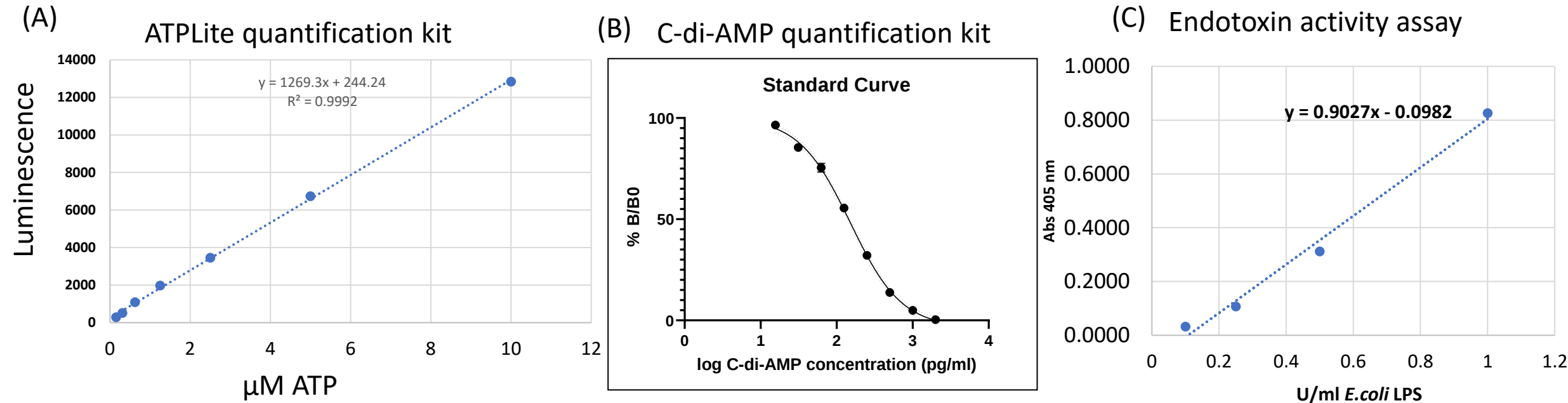


Fig. S11.