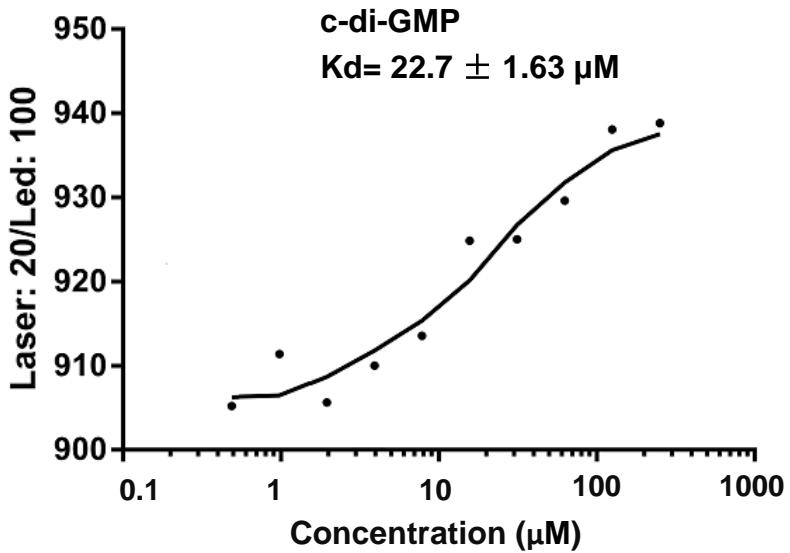
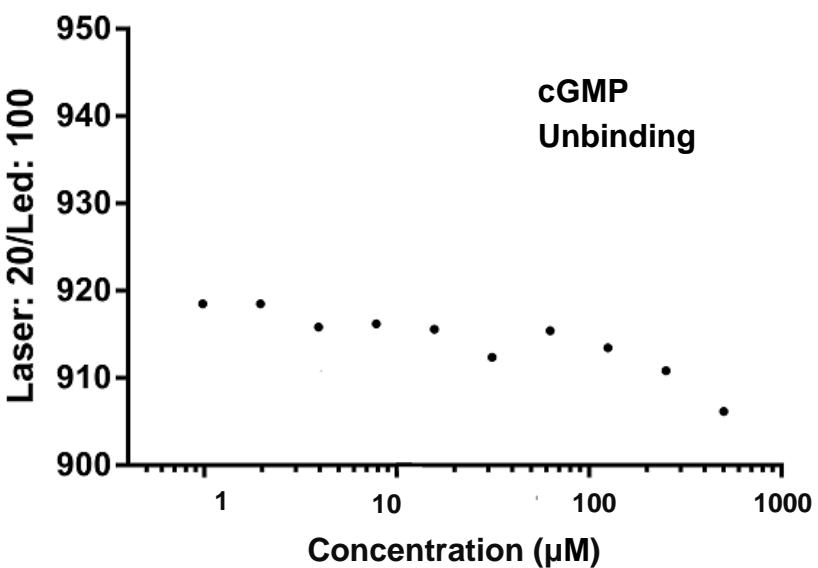


Xu *et al.* Supplementary figure 1.

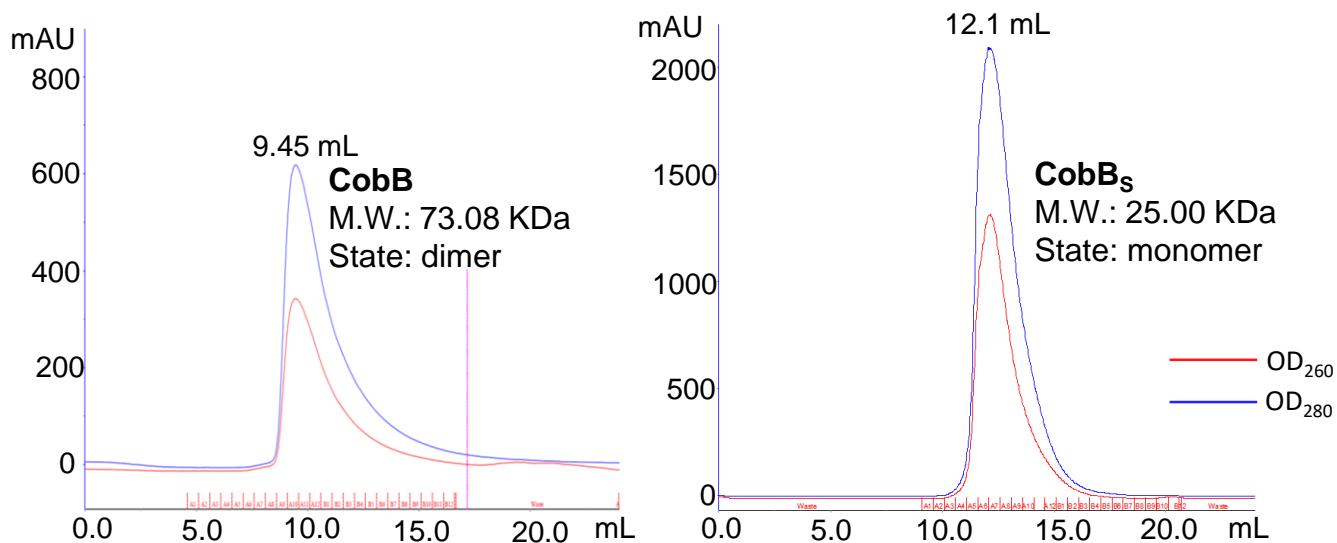
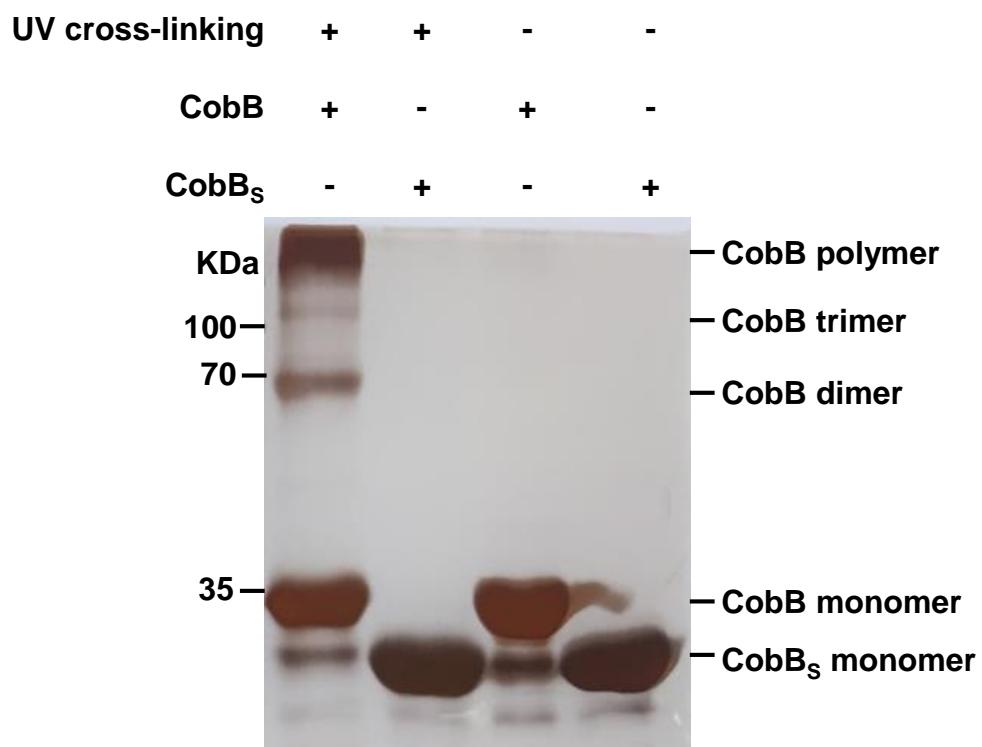
a.



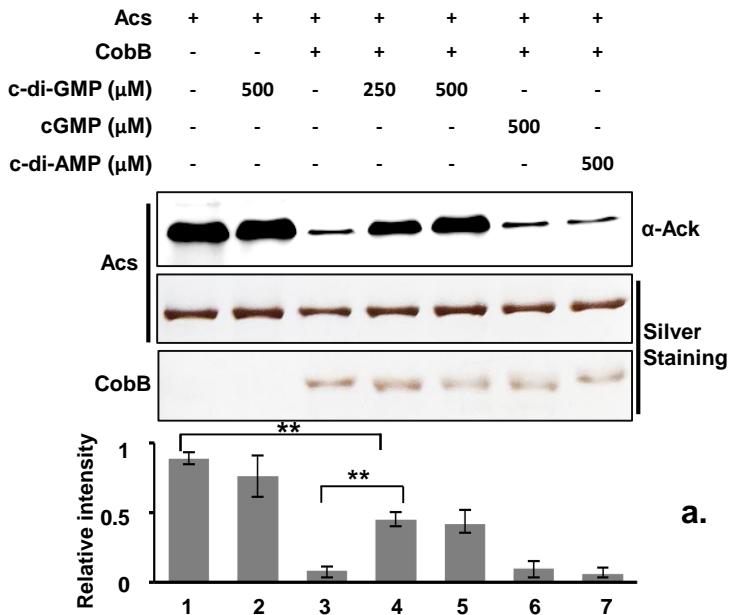
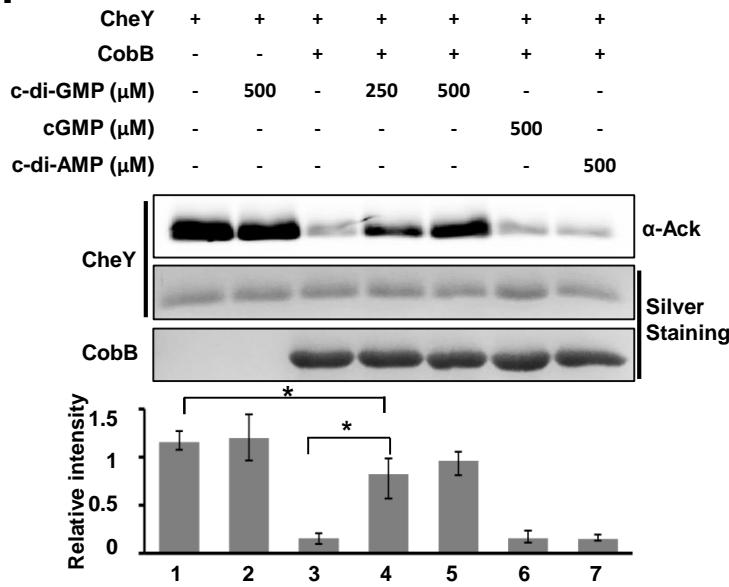
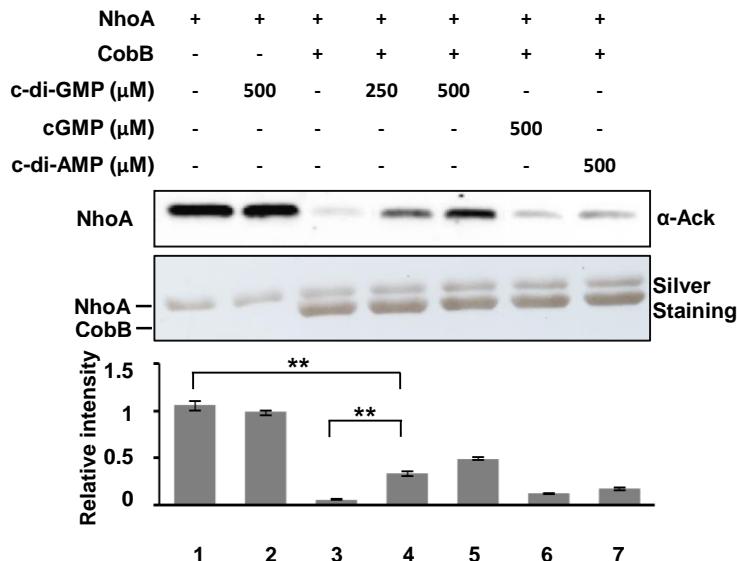
b.

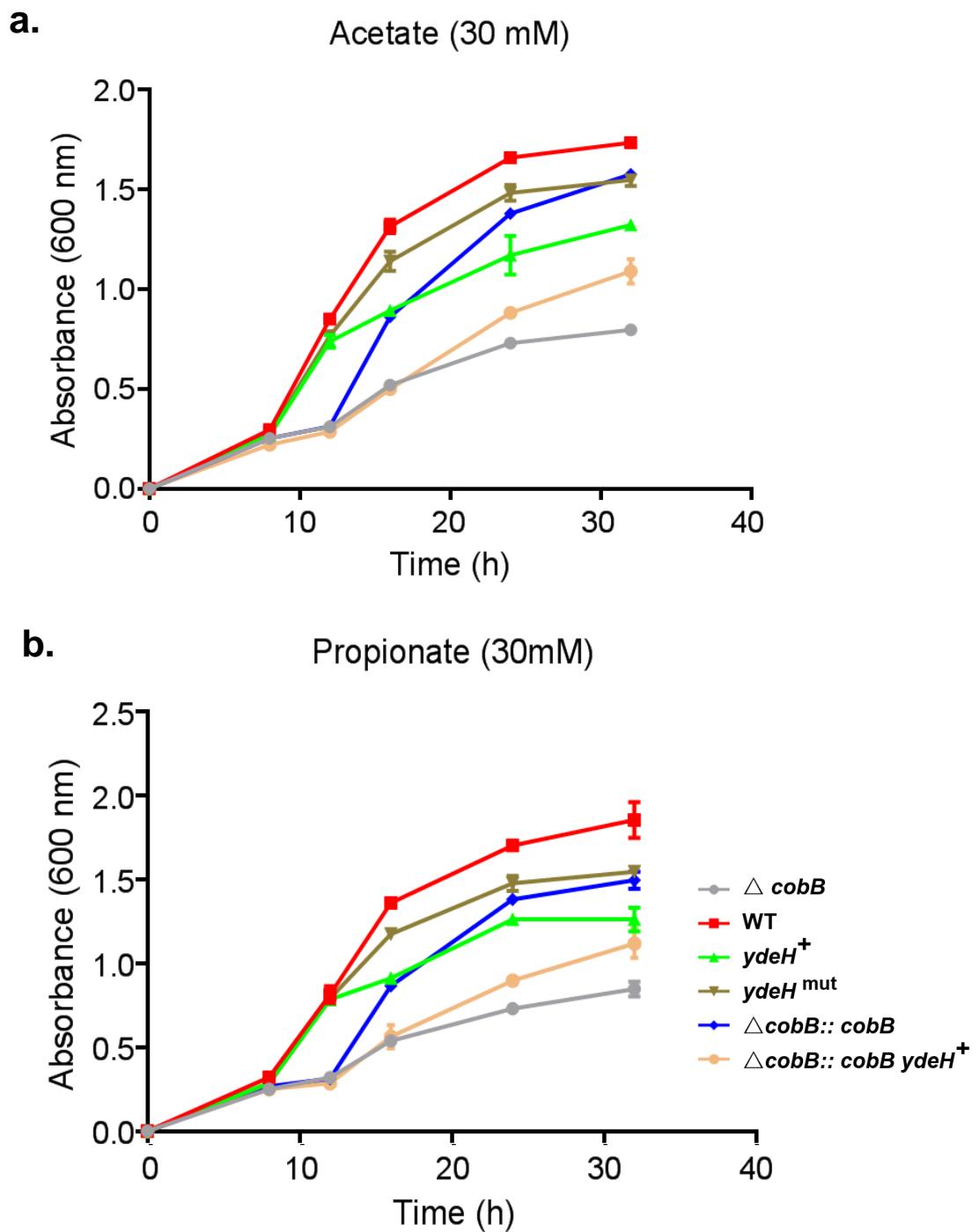


Xu *et al.* Supplementary figure 2.

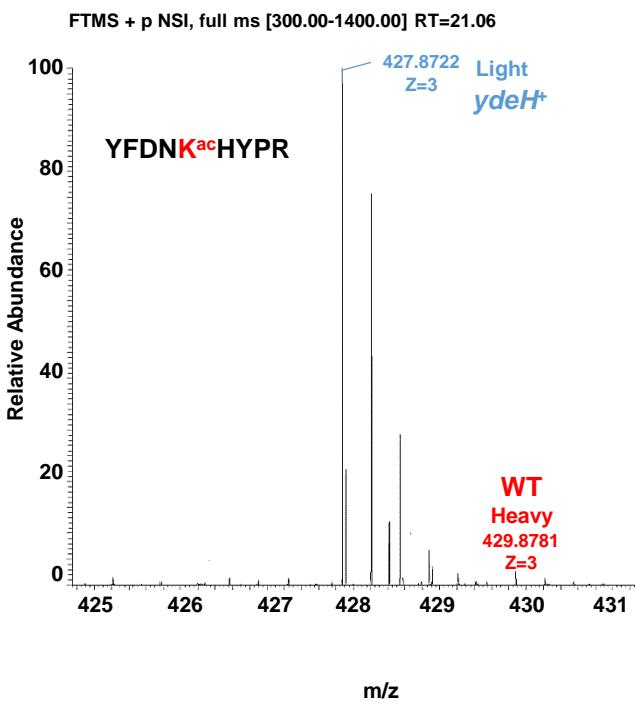
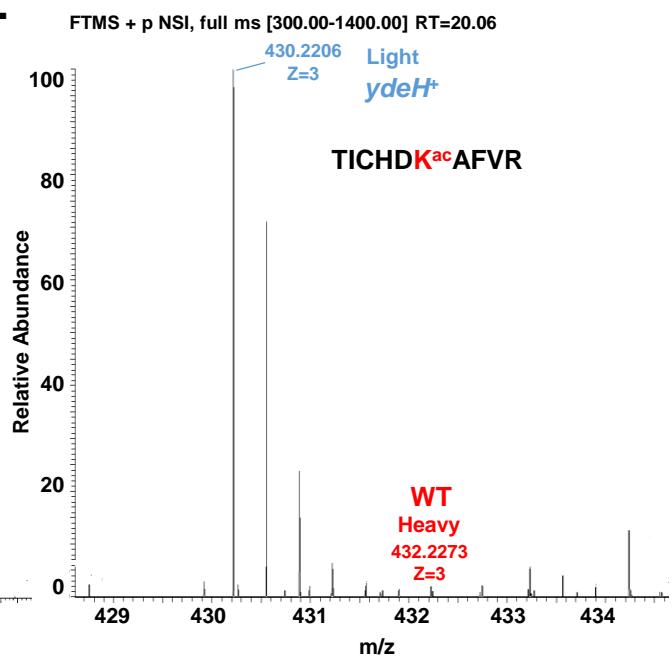
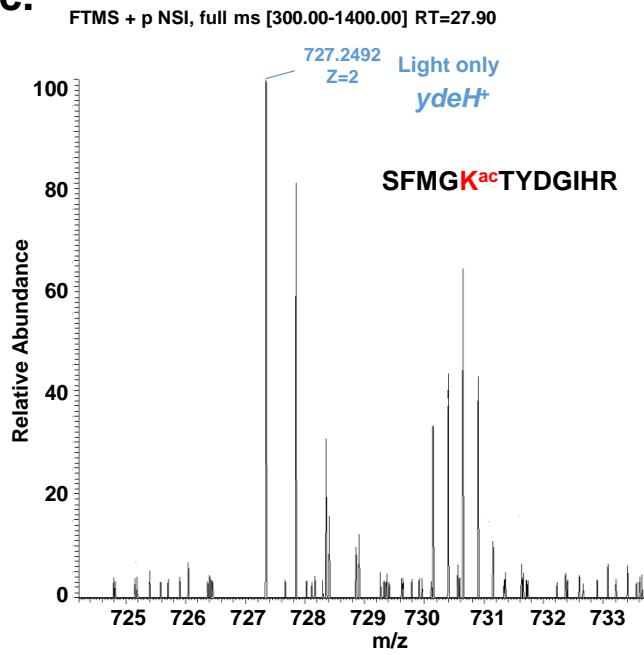
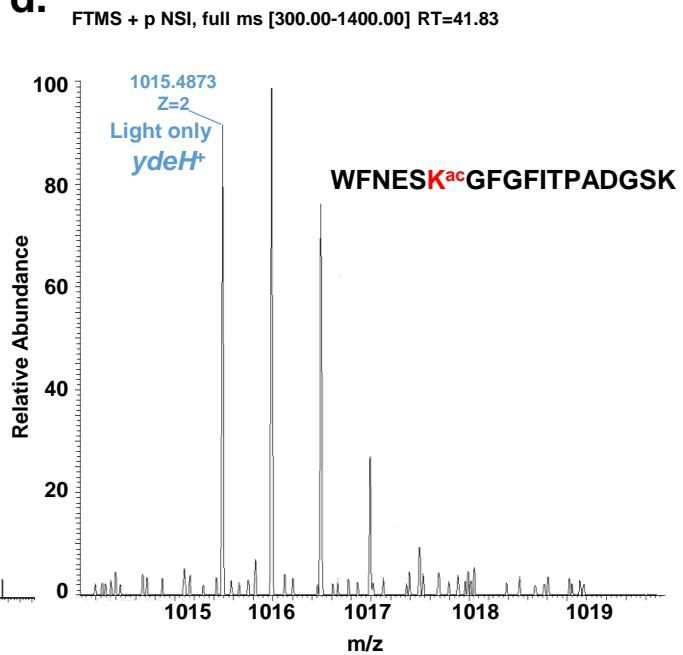
a.**b.**

Xu *et al.* Supplementary figure 3.

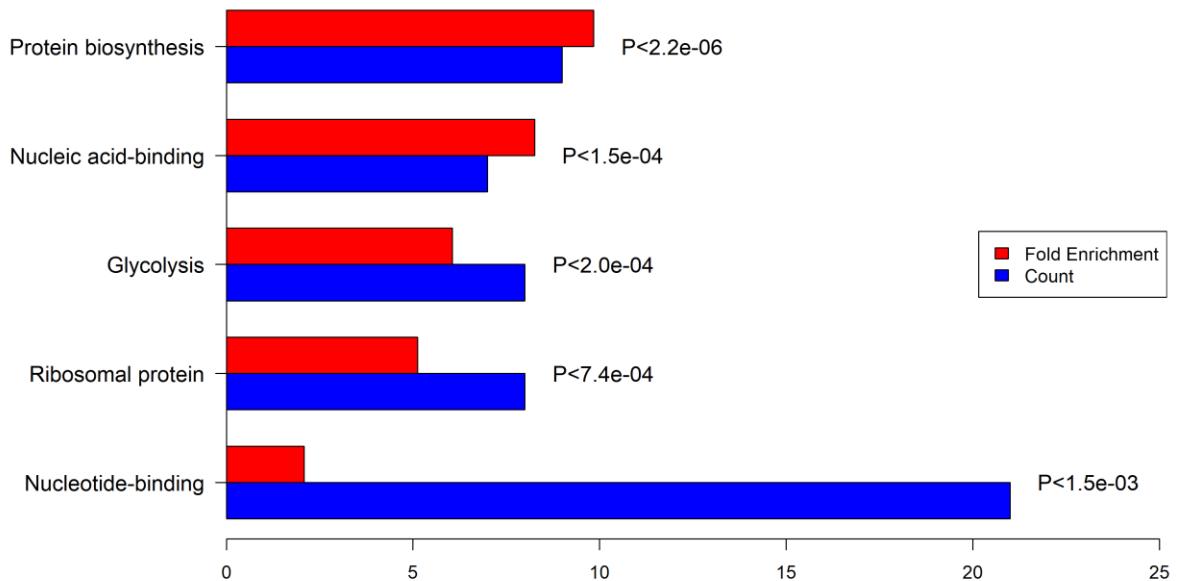
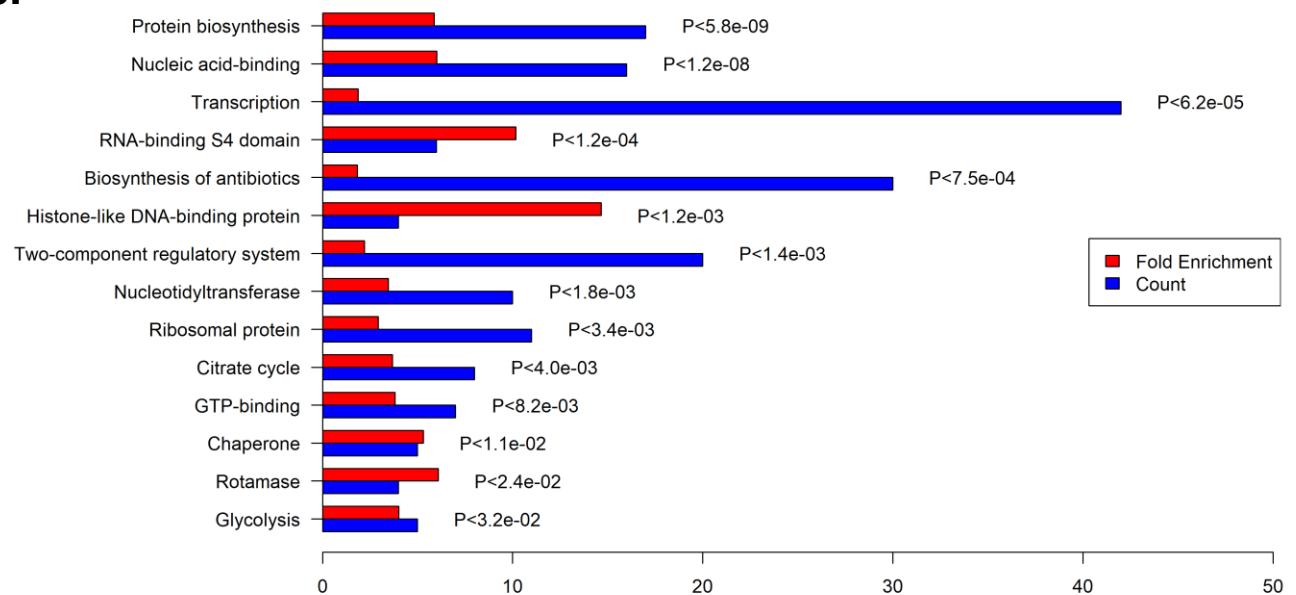
a.**a.****b.****C.**

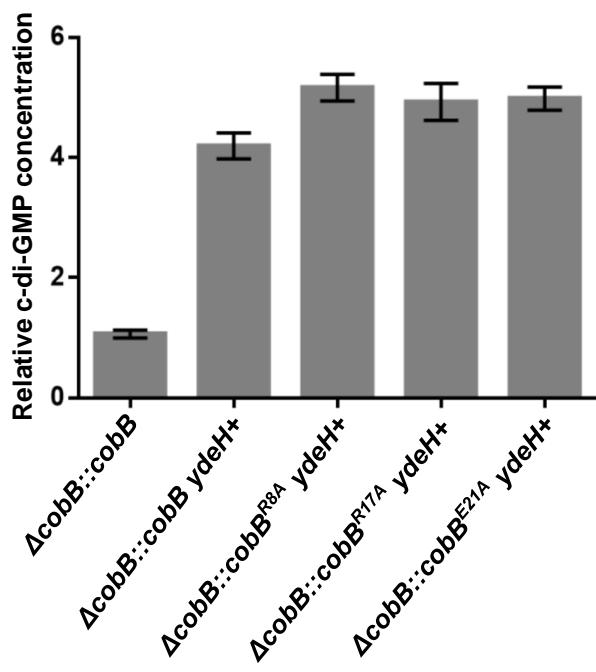
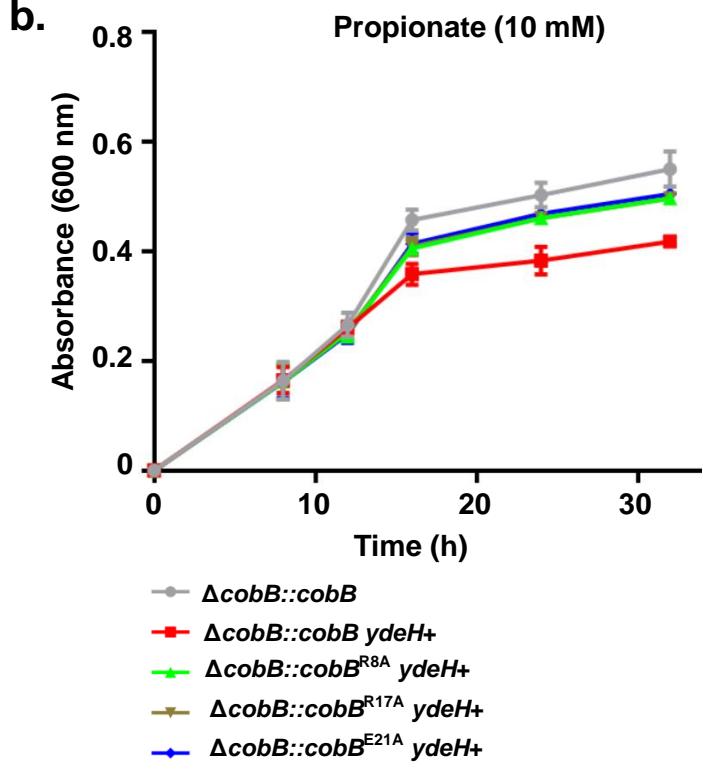
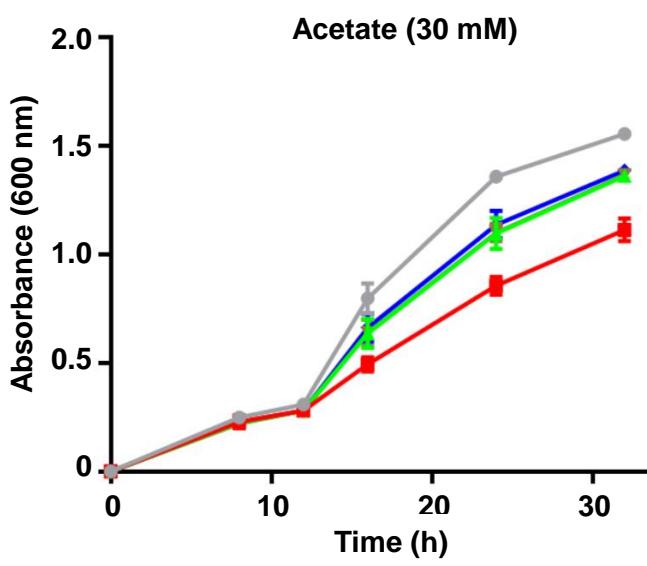
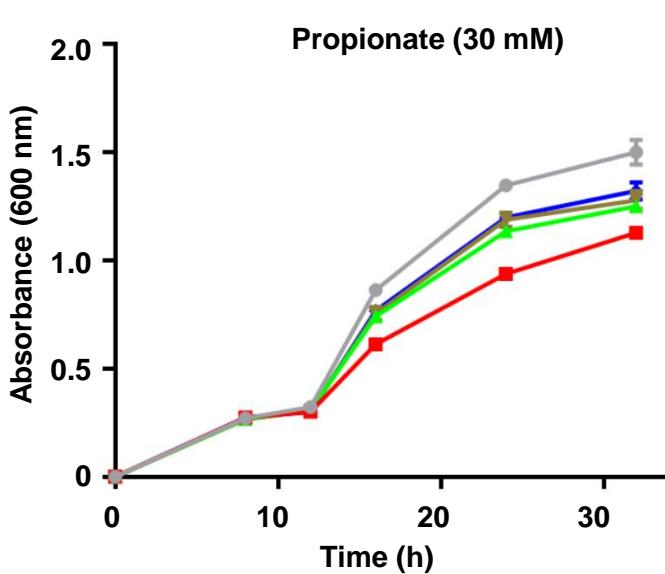


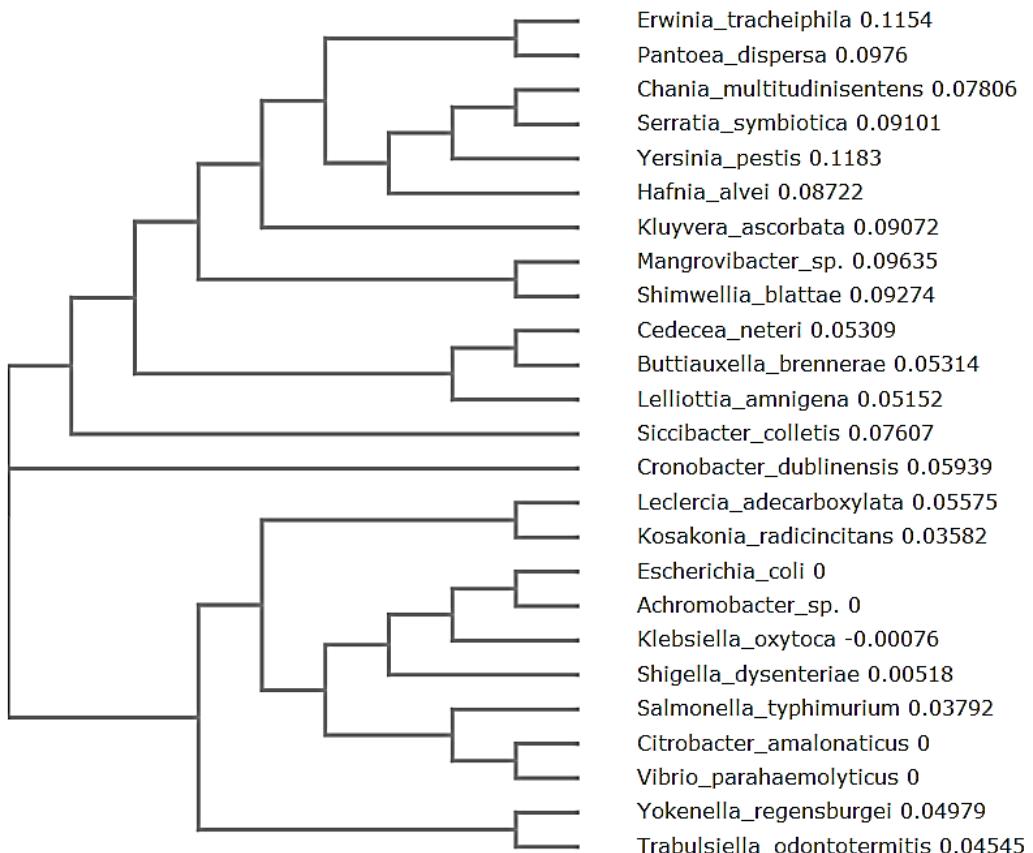
Xu *et al.* Supplementary figure 5.

a.**b.****c.****d.**

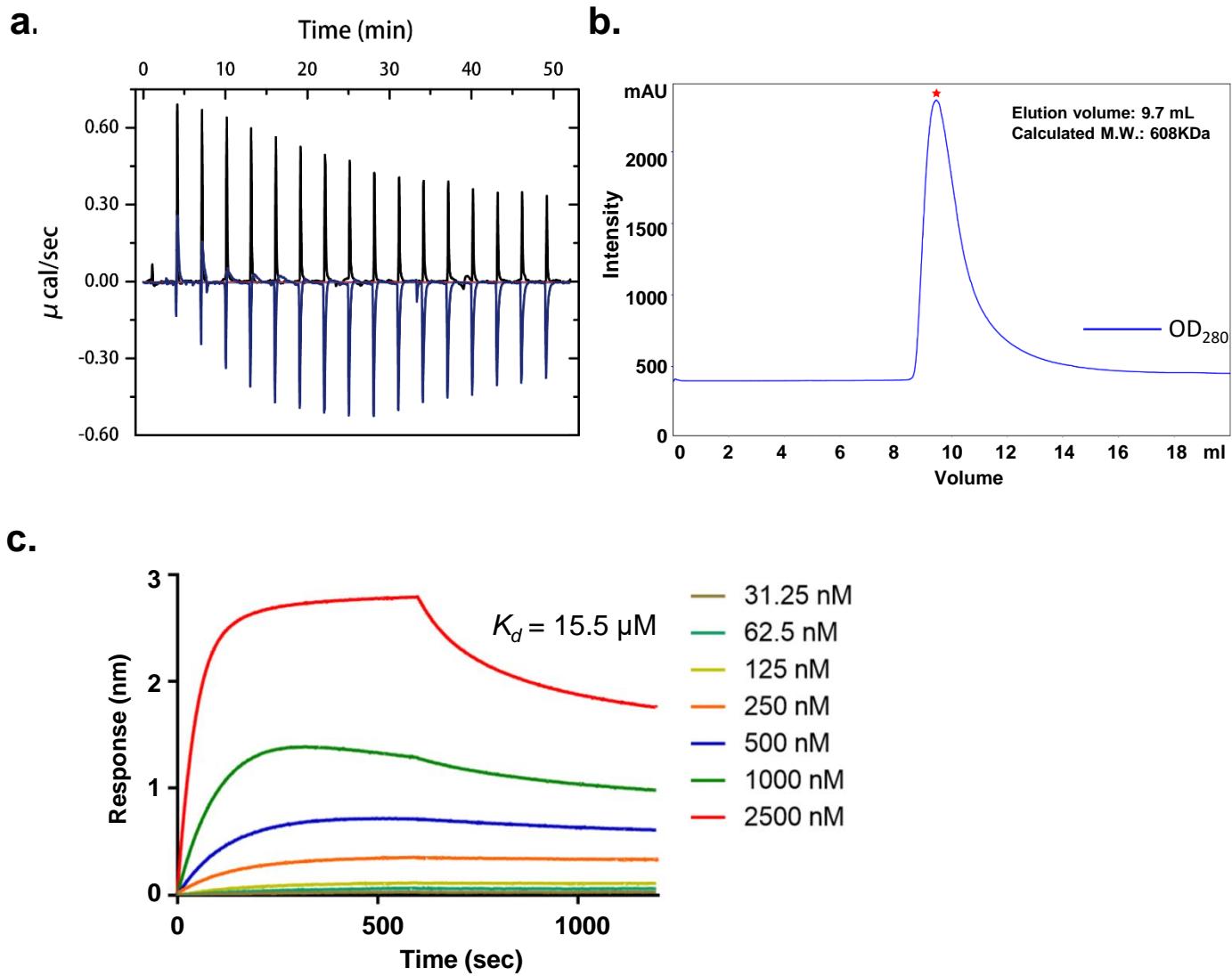
Xu *et al.* Supplementary figure 6.

a.**b.****Xu et al. Supplementary figure 7.**

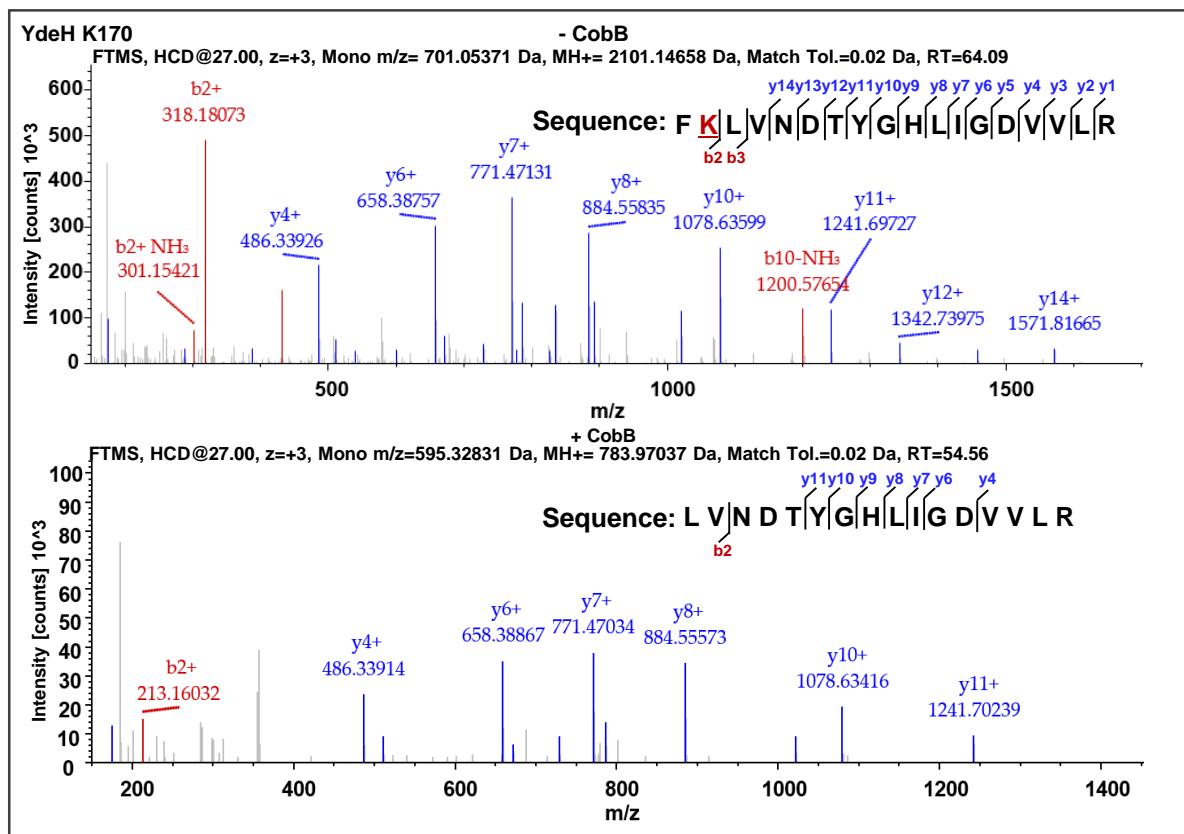
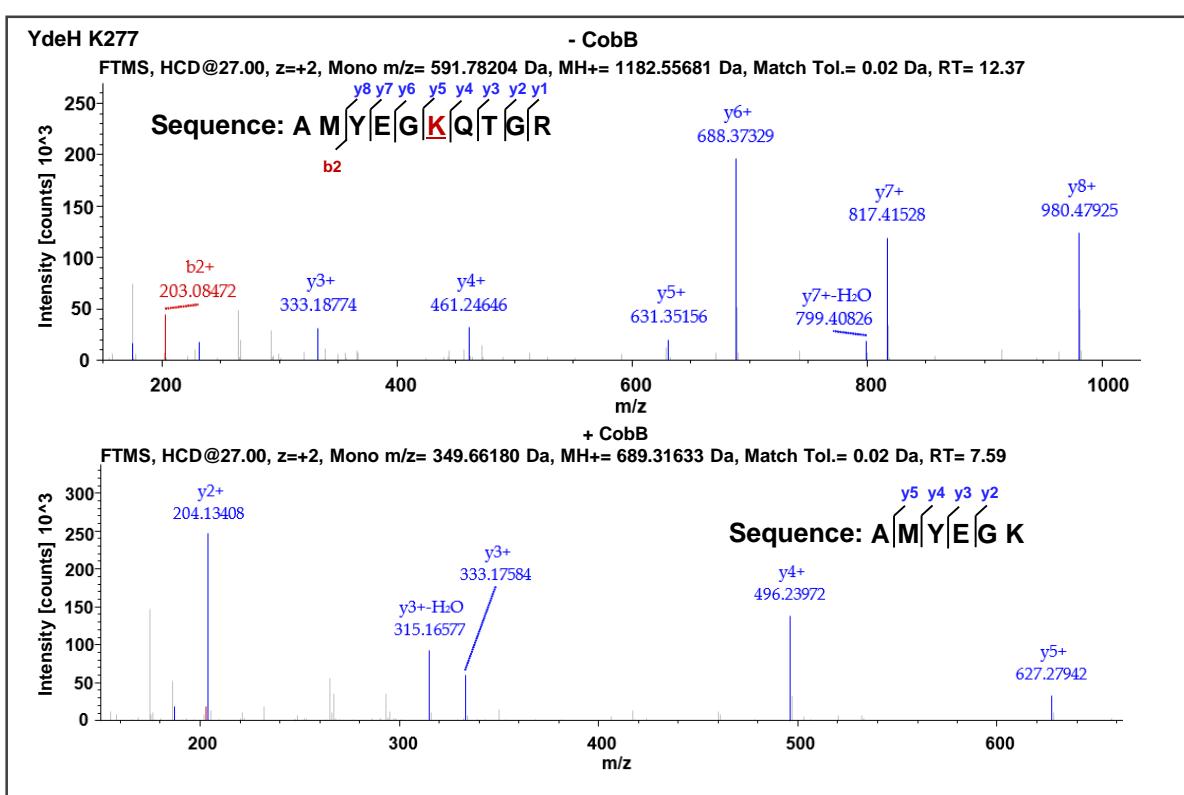
a.**b.****c.****d.**

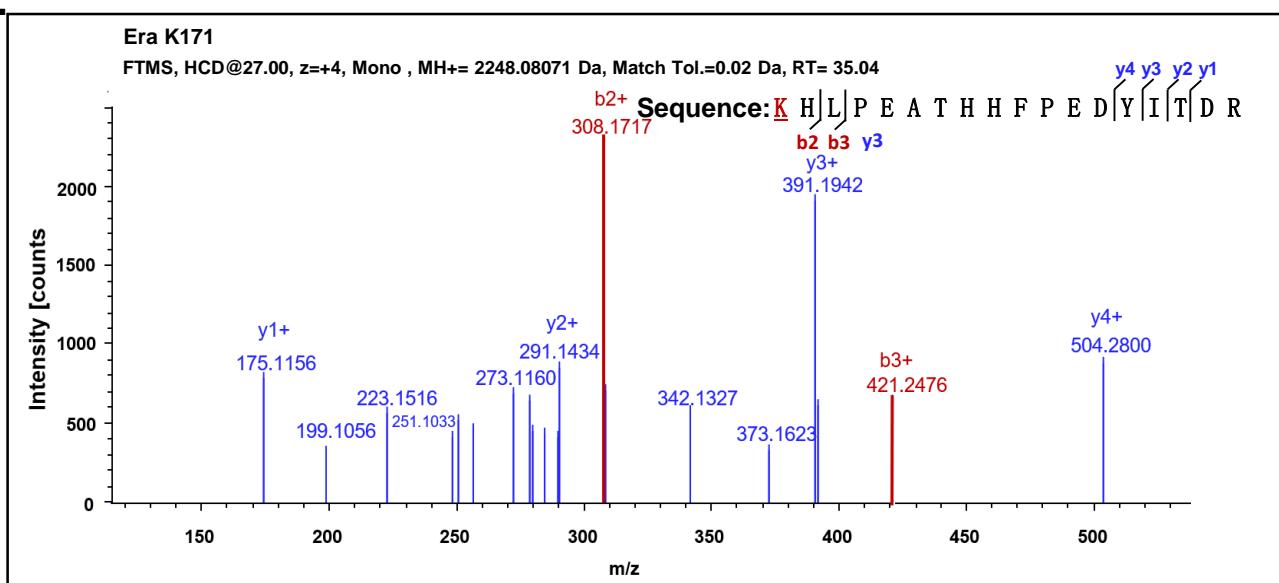
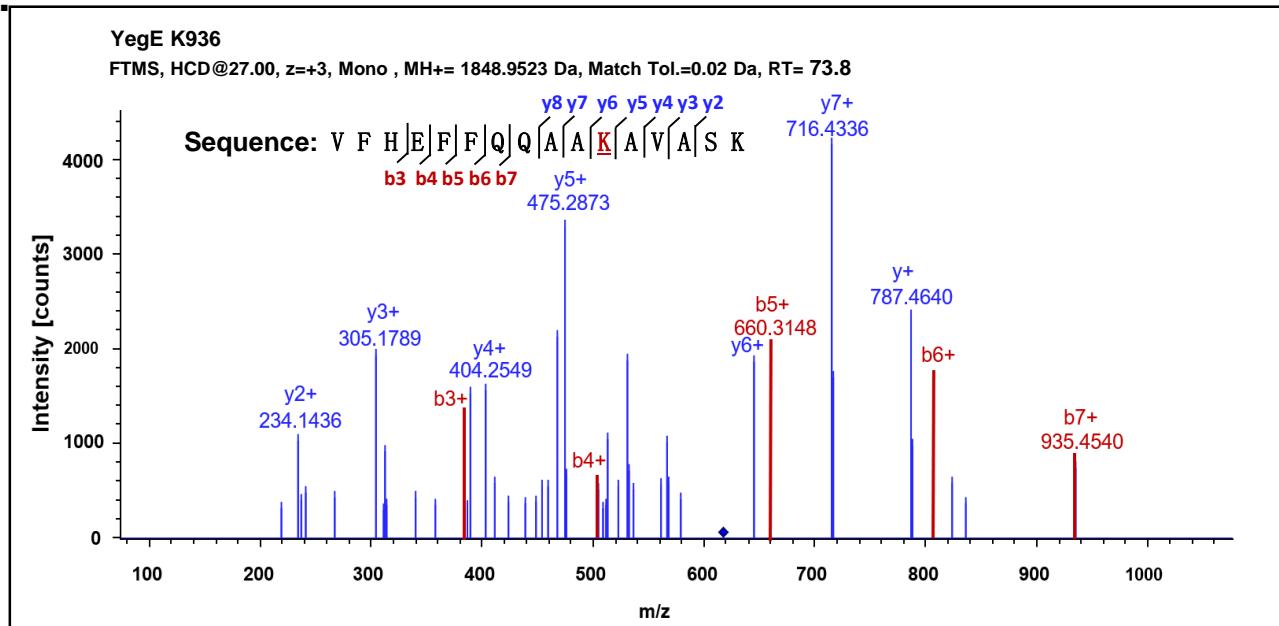


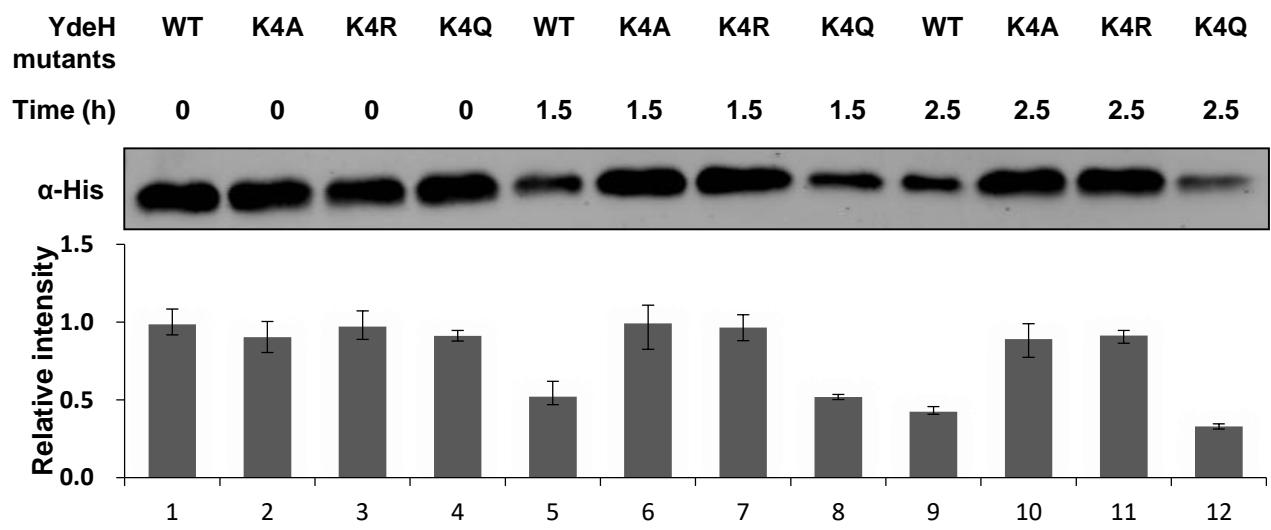
Xu *et al.* Supplementary figure 9.



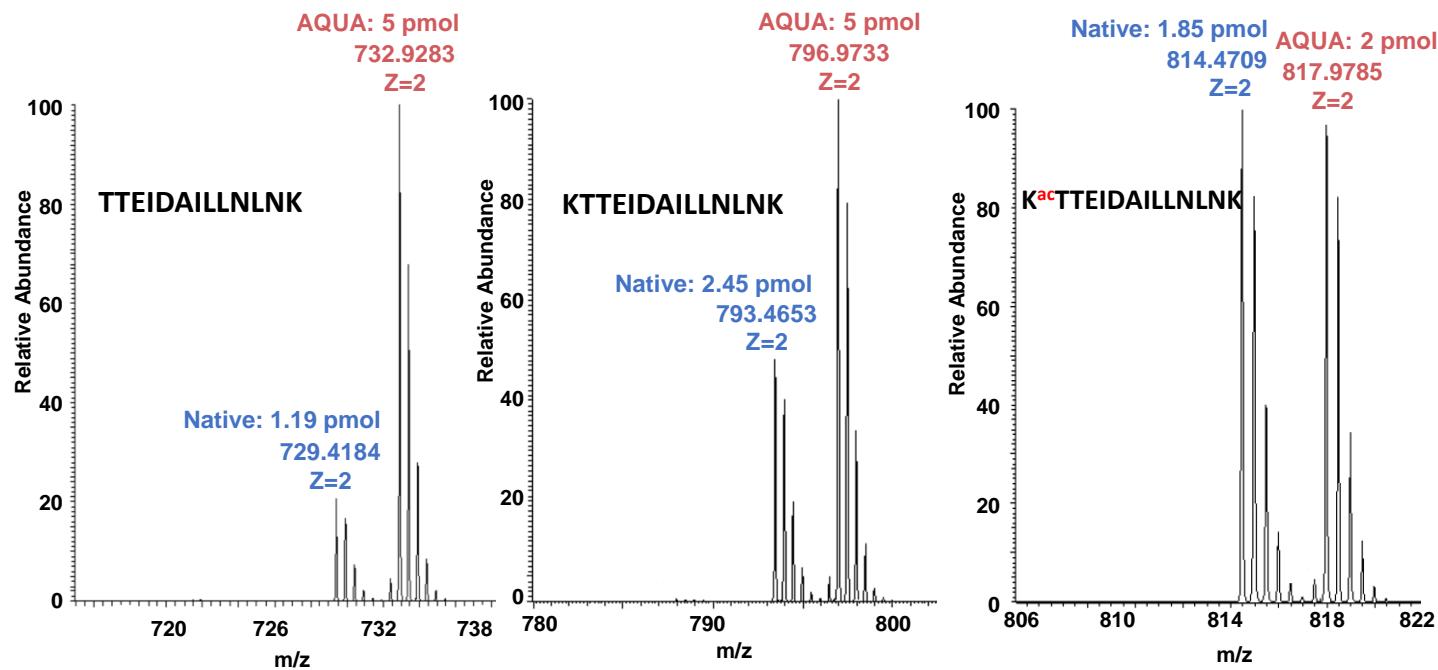
Xu *et al.* Supplementary figure 10.

a.**b.**

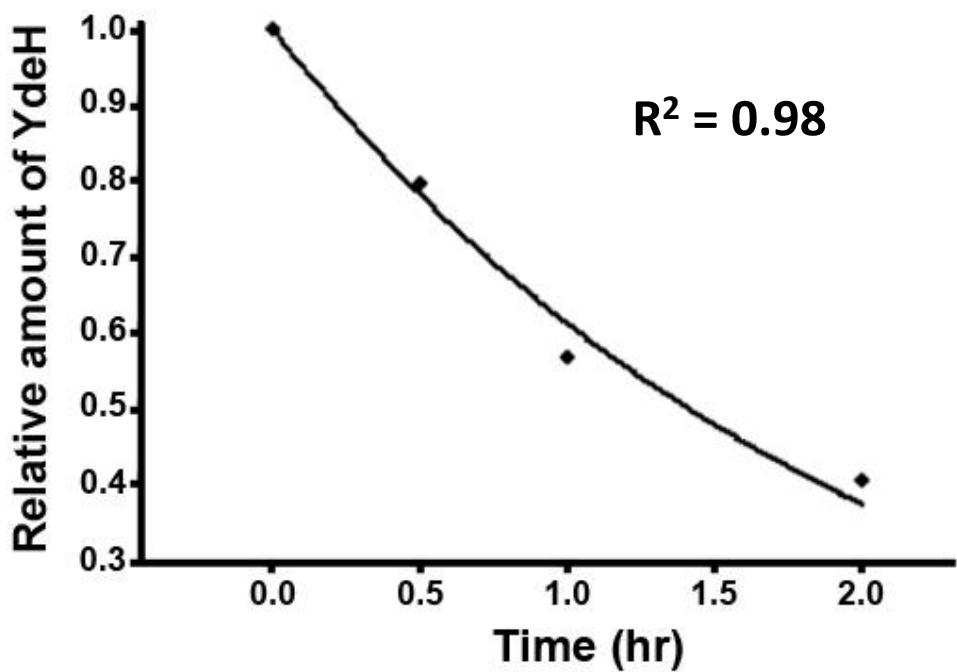
a.**b.**



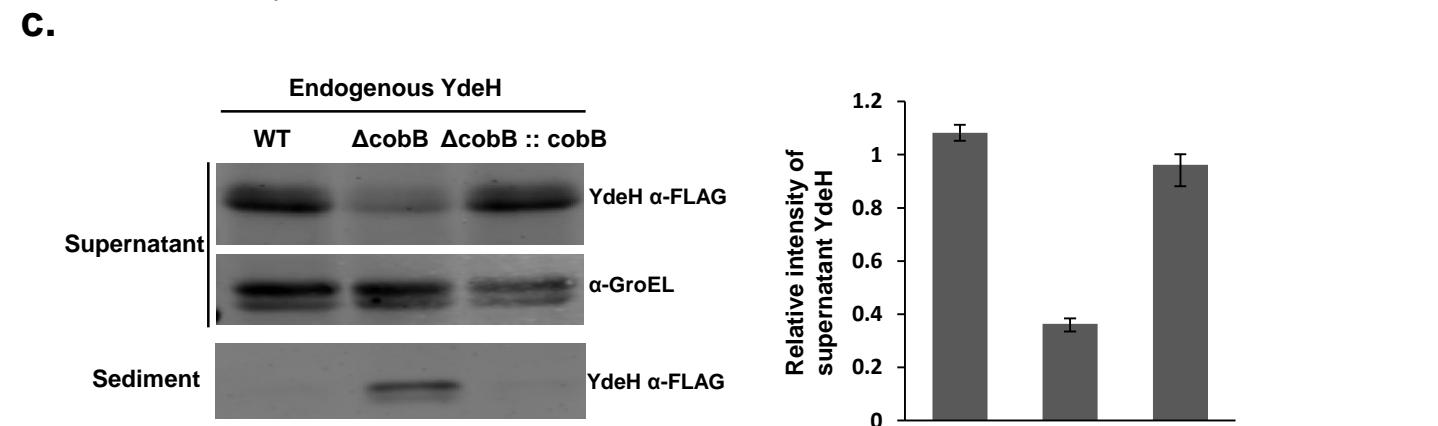
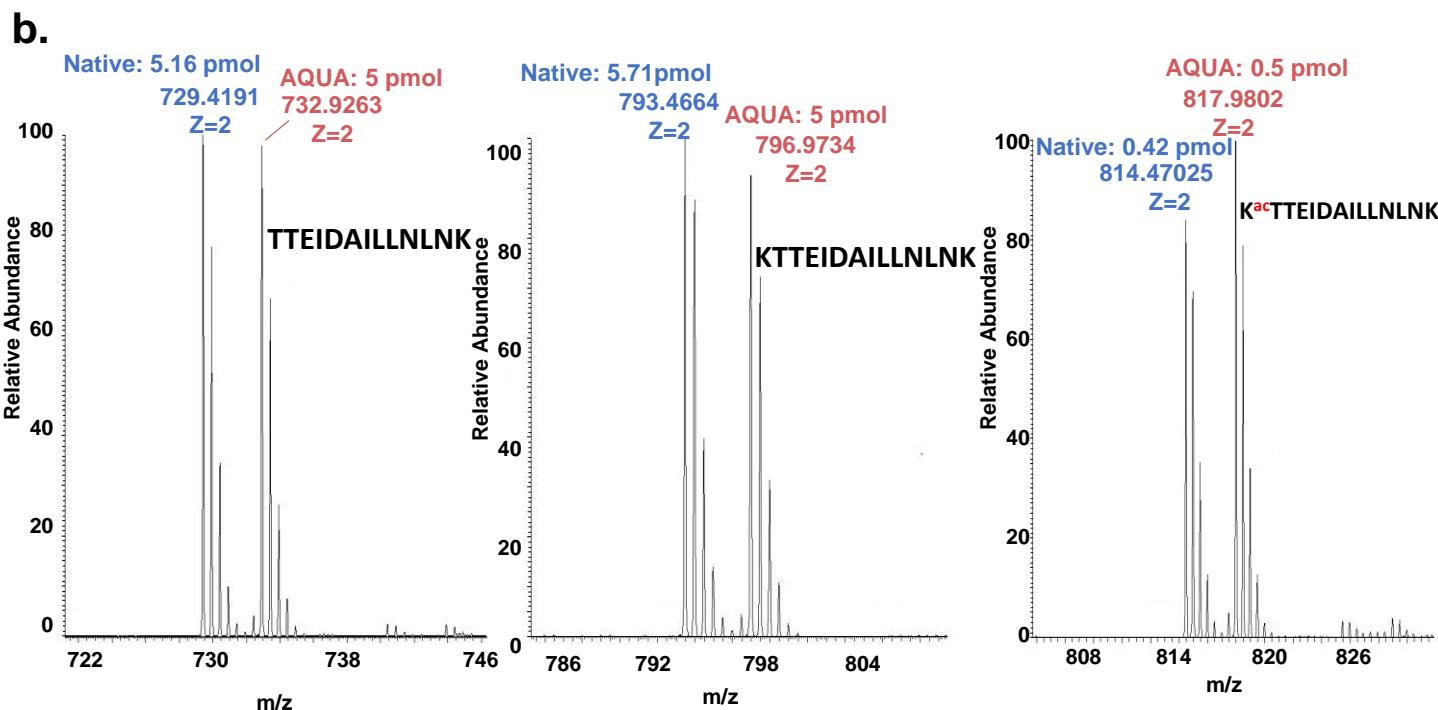
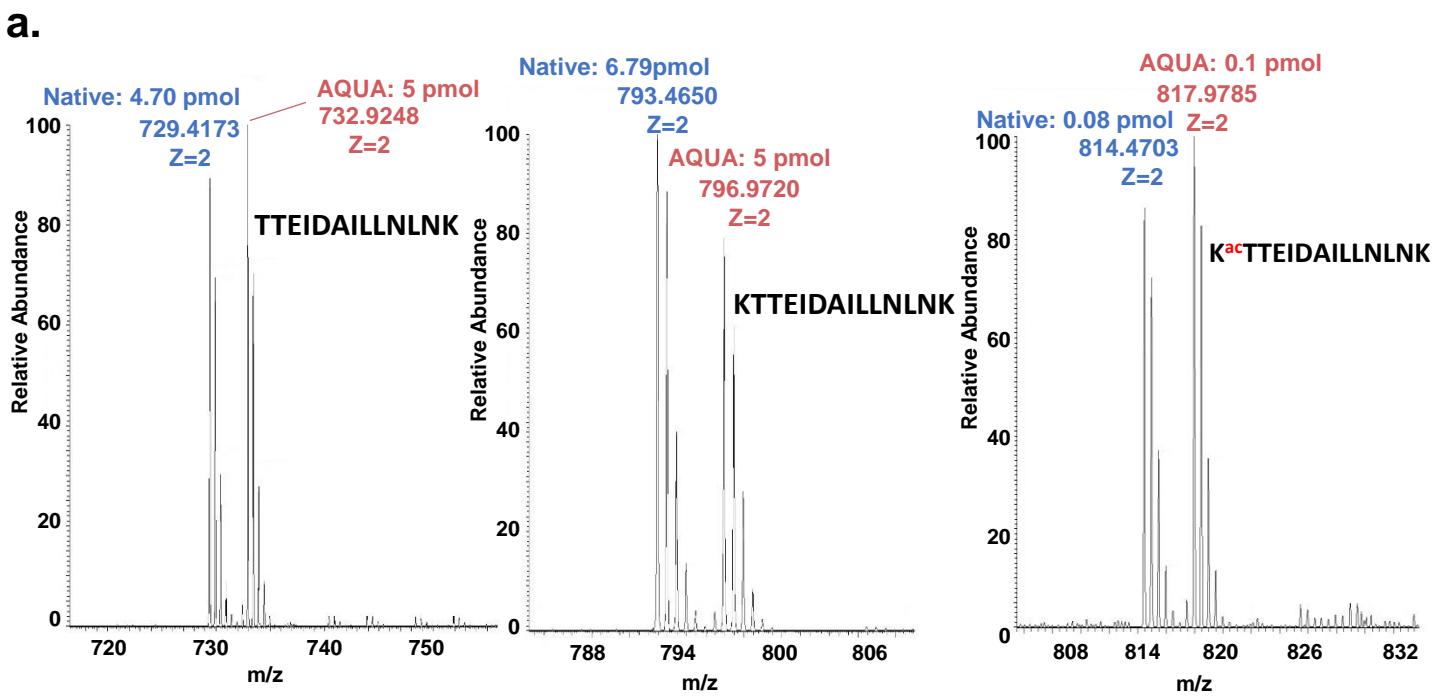
Xu *et al.* Supplementary figure 13.



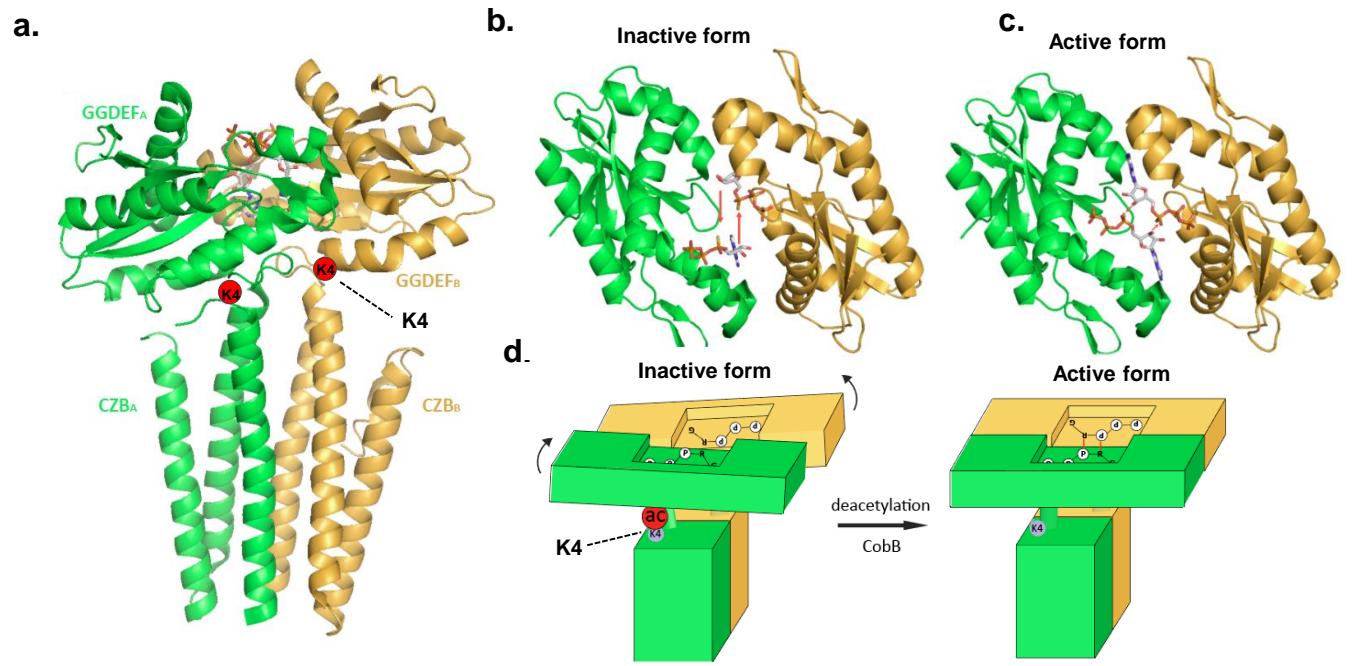
Xu *et al.* Supplementary figure 14.



Xu *et al.* Supplementary figure 15.



Xu et al. Supplementary figure 16.



Xu *et al.* Supplementary figure 17.

Time points (h)	8	24		
	WT and $\Delta cobB$	WT and $ydeH^+$	$\Delta cobB:: cobB$ and $\Delta cobB:: cobB ydeH^+$	WT and $ydeH^{G206A,G207A}$
Acetate	0.009	0.003	0.005	0.758
Propionate	0.0006	0.00002	0.016	0.066

Xu *et al.* Supplementary table 1.