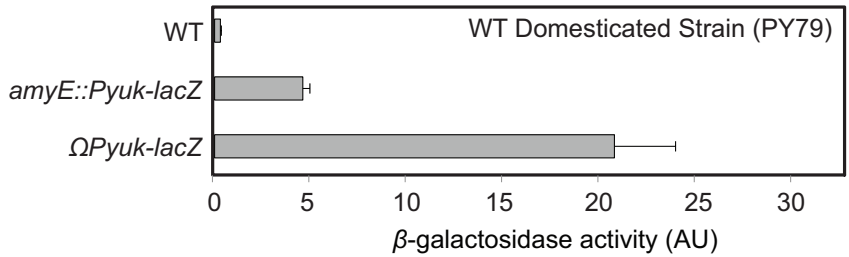
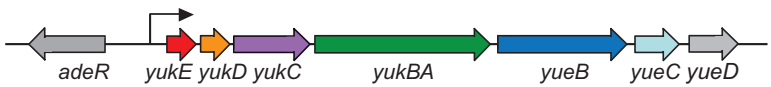
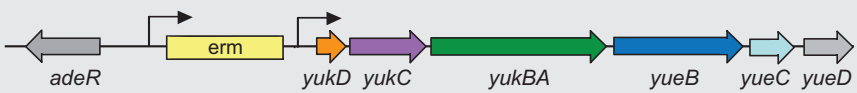
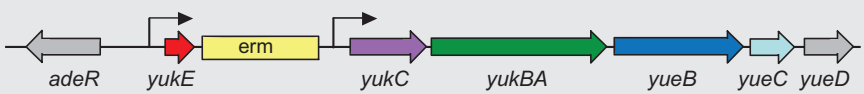
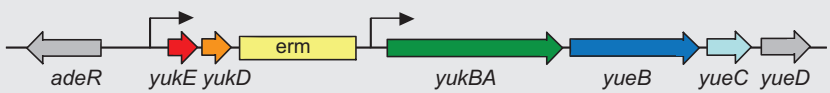
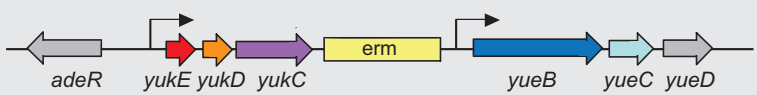
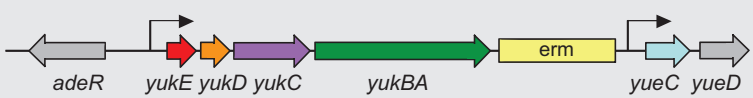
A



B

Native *yuk* operon	YueB-GFP detected
	+

***yuk* knockout strains**

Δ*yukE*		++
Δ*yukD*		++
Δ*yukC*		++
Δ*yukBA*		++
Δ*yueB*		-
Δ*yueC*		n/a