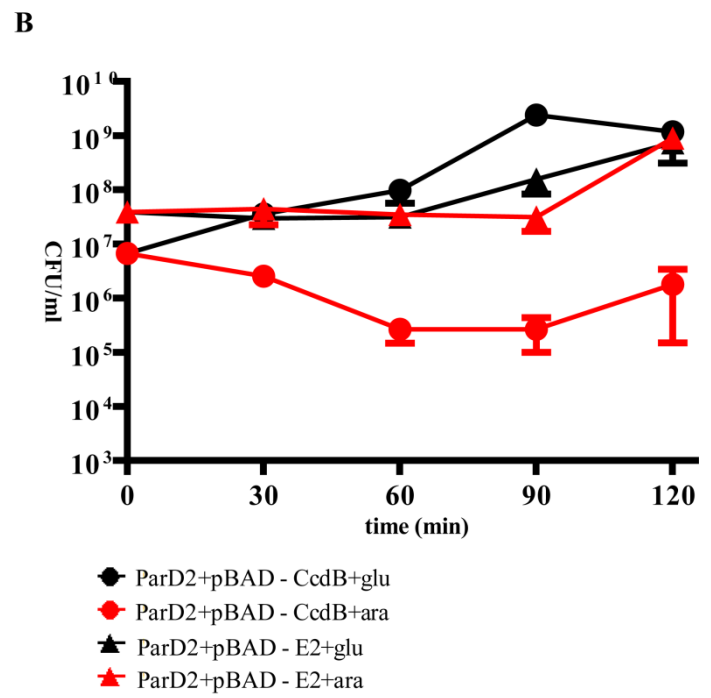
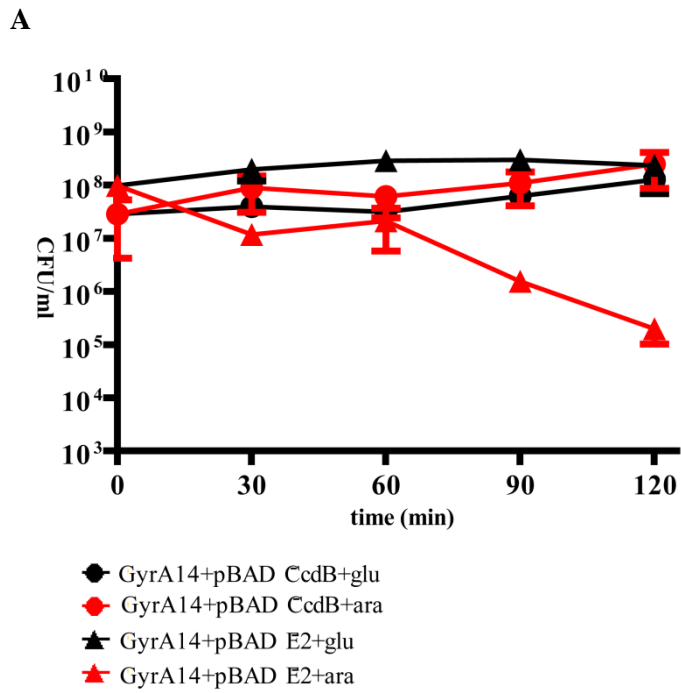
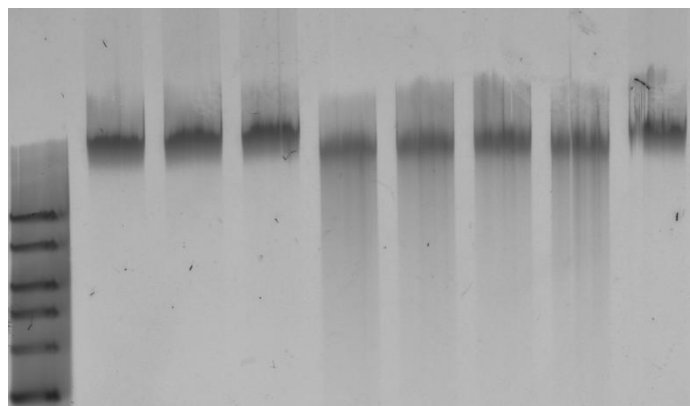


Supplemental Figure 1



Supplemental Figure 2

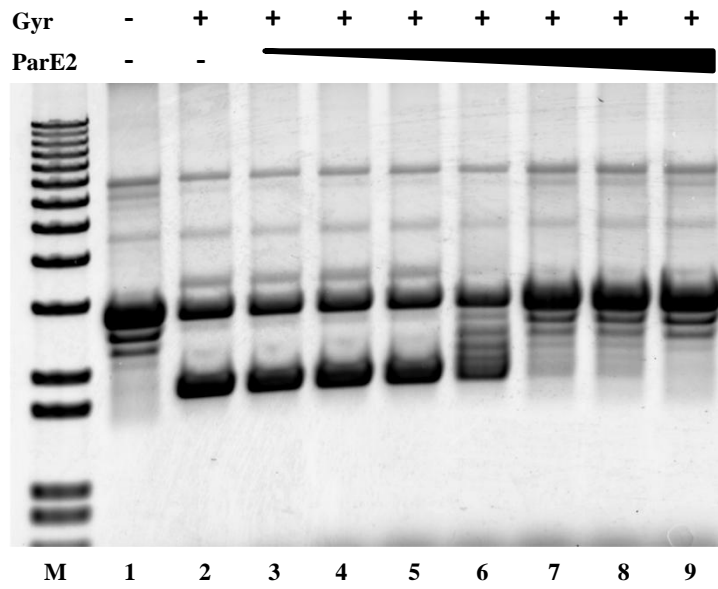
Gyr	-	+	+	+	+	+	+	+
Nal	-	-	-	+	-	-	-	-
ParE2	-	-	-	-	+	+	+	+
ParD2	-	-	+	-	-	+	+	+



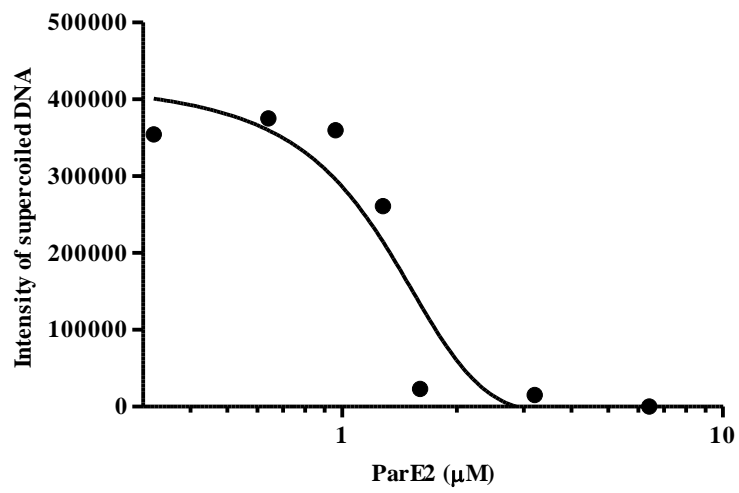
M **1** **2** **3** **4** **5** **6** **7** **8**

Supplemental Figure 3

A



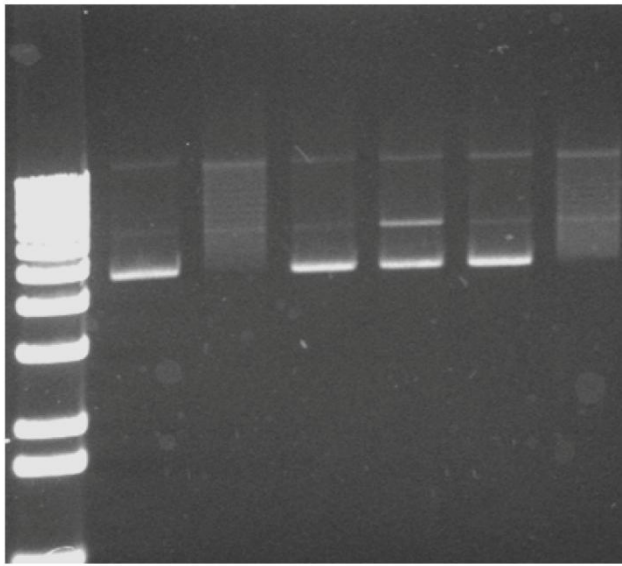
B



Supplemental Figure 4

A

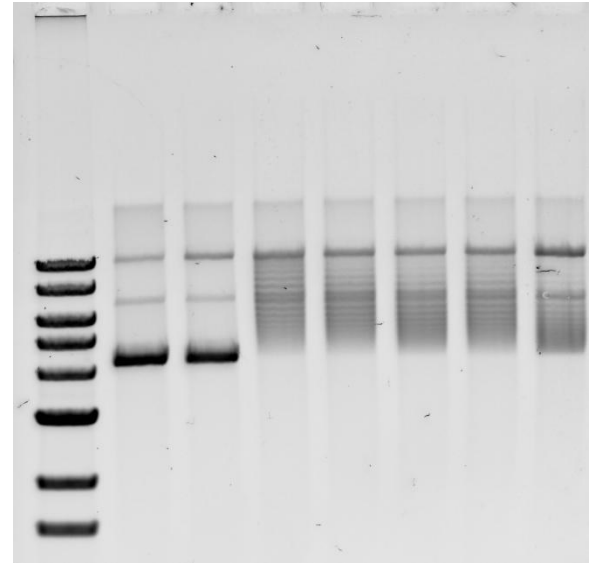
$A_{59}B_2$	-	+	-	+	-	+
Nal	-	-	+	+	-	-
ParE2	-	-	-	-	+	+



M 1 2 3 4 5 6

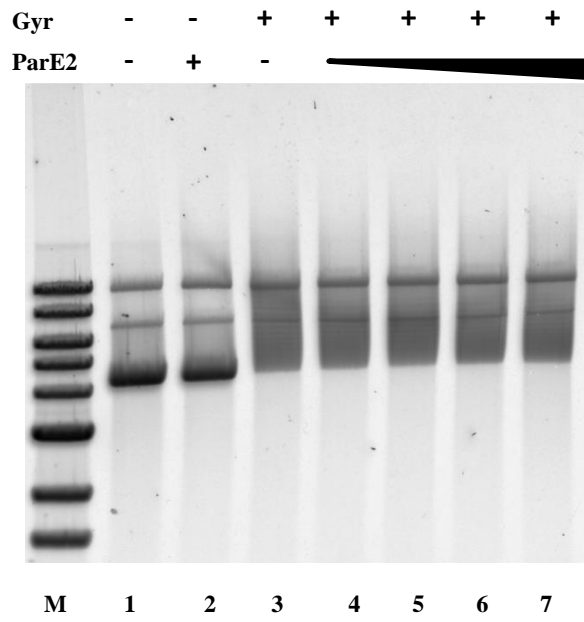
B

$A_{59}B_2$	-	-	+	+	+	+	+
ParE2	-	+	-	▬			



M 1 2 3 4 5 6 7

Supplemental Figure 5



Supplemental Figure 6

