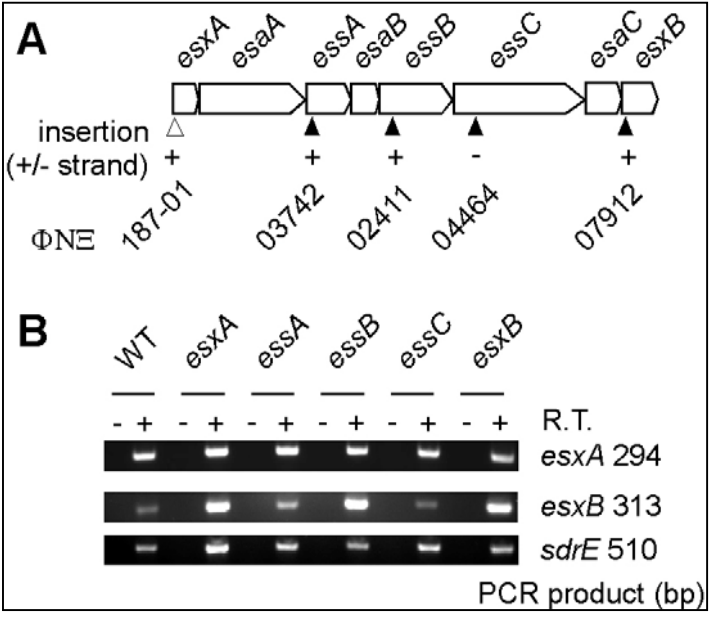
A
esxA
esaA
essA
esaB
essB
essC
esaC
esxB
insertion
(+/- strand)
+
+
+
-
+
ΦNΞ
187-01
03742
02411
04464
07912
B
WT
esxA
essA
essB
essC
esxB
- + - + - + - + - + - +
R.T.
esxA 294
esxB 313
sdrE 510
PCR product (bp)