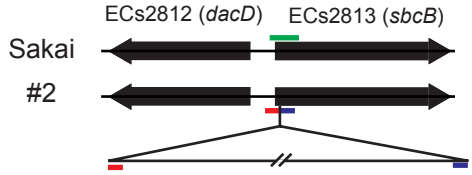
A




```
# 2
(left junction)  ACGGATTTAACCTAATGATGAATGACGGTAAGCAACAATCTACCTTTTTGTTTCACGATTACGCGCAACACCCCTGAGAACCGCCATGAACAAGTGTTTCATGA
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sakai            ACGGATTTAACCTAATGATGAATGACGGTAAGCAACAATCTACCTTTTTGTTTCACGATTACGAAACCTTTGGCACGCACCCCGCGTTAGATCGCCCTGCACAG
                     sbcB >>   M  M  N  D  G  K  Q  Q  S  T  F  L  F  H  D  Y  E  T  F  G  T  H  P  A  L  D  R  P  A  Q
                                                                  ||||||||||||||||||||||||||||||||||||||||||||||||||||
# 2
(right junction) GTGGACAATGCTAGACAATGACAGACACAGATAAACAACCTACCTTCCTCTTTCACGATTACGAAACCTTTGGCACGCACCCCGCGTTAGATCGCCCTGCACAG
                     sbcB'>>      M  T  D  T  D  K  Q  P  T  F  L  F  H  D  Y  E  T  F  G  T  H  P  A  L  D  R  P  A  Q
```

B

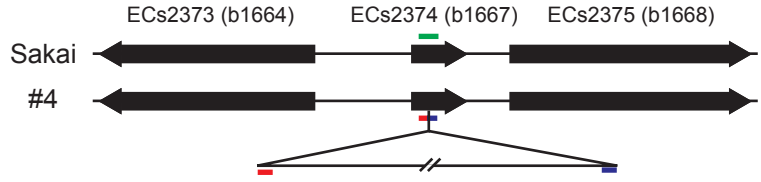
Left junctions of Stx phages integrated into the 208/209 region

```
Stx1-#2 ACGGATTTAACCTAATGATGAATGACGGTAAGCAACAATCTACCTTTTTG-TTTCACGATTACGCGCAACACCCCTGAGAACCGCCATGAACAAGTGTTTCATGA
Stx2-#4 ACGGATTTAACCTAATGATGAATGACGGTAAGCAACAATCTACCTTTTTG-TTTCACGATTACGCGCAACACCCCTGAGAACCGCCATGAACAAGTGTTTCATGA
Stx2-#6 ACGGATTTAACCTAATGATGAATGACGGTAAGCAACAATCTACCTTTTTG-TTTCACGATTACGCGCAACACCCCTGAGAACCGCCATGAACAAGTGTTTCATGA
Stx2-#8 ACGGATTTAACCTAATGATGAATGACGGTAAGCAACAATCTACCTTTTTGTTTTCACGATTACGCGCAACACCCCTGAGAGCCGCCATGAACAAGGGTTTCATAA
                                                          *                    *             *      *
```

Right junctions of Stx phages integrated into the 208/209 region

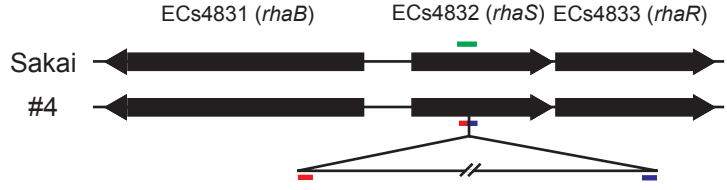
```
Stx1-#2 GTGGACAATGCTAGACAATGACAGACACAGATAAACAACCTACCTTCCTCTTTCACGATTACGAAACCTTTGGCACGCACCCCGCGTTAGATCGCCCTGCACAG
Stx2-#4 TTGGACAATGCTAGACAATGACAGACACAGATAAGCAACCTACCTTCCTCTTTCACGATTACGAAACCTTTGGCACGCACCCCGCGTTAGATCGCCCTGCACAG
Stx2-#6 TTGGACAATGCTAGACAATGACAGACACAGATAAGCAACCTACCTTCCTCTTTCACGATTACGAAACCTTTGGCACGCACCCCGCGTTAGATCGCCCTGCACAG
Stx2-#8 GTGGACAATGCTAGACAATGACAGACACAGATAAACAACCTACCTTCCTCTTTCACGATTACGAAACCTTTGGCACGCACCCCGCGTTAGATCGCCCTGCACAG
        *                                 *
```

C




```
#4 (left junction)  TGTGGAAGGTATGGACAGAAAGTGAAAAGAATATAGCGCGGCGATTTTTTTGATAC
                     W  K  V  W  T  E  S  E  K  N  I  A  R  R  F  F  *
                    |||||||||||||||||||||||||||||||
Sakai               TGTGGAAGGTATGGACAGAAAGTGAAAAGAACCACGAAGCCGGTGGGATCTACCTT
                     W  K  V  W  T  E  S  E  K  N  H  E  A  G  G  I  Y  L
                                                 |||||||||||||||||||||||||||
#4 (right junction) TGGTATCAAATGATTCACCTGGTTACAAGAACCACGAAGCCGGTGGGATCTACCTT
```

D




```
#4 (left junction)  CGTCTCACTGGCGCGTTAACCACAGCGTATTTATAGCGCGGCGATTTTTTTGATAG
                     S  H  W  R  V  N  H  S  V  F  I  A  R  R  F  F  *
                    |||||||||||||||||||||||||||||||
Sakai               CGTCTCACTGGCGCGTTAACCACAGCGTATTGCAGCAGGTGCGACAGCTGGTTGCA
                     S  H  W  R  V  N  H  S  V  L  Q  Q  V  R  Q  L  V  A
                                                 |||||||||||||||||||||||||||
#4 (right junction) CGGTATCAAATGATTCACCTGGTTACATATTGCAGCAGGTGCGACAGCTGGTTGCA
```