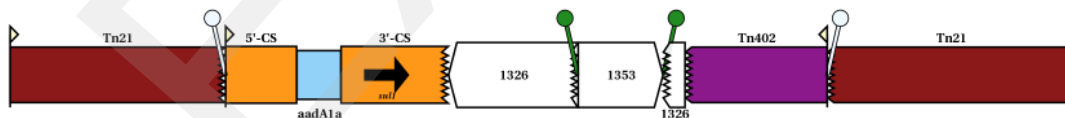


View sequence annotation

| | |
|------------------|--|
| Description | AF071413.3 Assembled sequence of transposon Tn21 |
| Sequence type | OTHER |
| Type of molecule | unknown |
| Species | E. coli |

| Position | Name* | Type | Notes |
|--------------|-----------------------|---------------|---|
| 1..19672 | Tn21 ← | Tn | Positions 19672-15034 and 4044-1 in AF071413 (integron plus one copy of 5 bp flanking DR removed). Equivalent to Tn5060 (4 nt differences). |
| 1..4039 | Tn21# ← | Tn | Positions 19672-15034 and 4044-1 in AF071413 (integron plus one copy of 5 bp flanking DR removed). Equivalent to Tn5060 (4 nt differences). |
| 1..38 | IR → | IR | Tn21 IRR, Tn1696 IRR, Tn501 IRL2 |
| 4035..15044 | Interruption | | |
| 4035..4039 | Direct Repeat (TCCAT) | Direct Repeat | |
| 4040..15039 | Inserted Unit | | |
| 4040..15039 | class 1 In/Tn | | |
| 4040..8275 | CS+CA | | |
| 4040..5394 | 5'-CS → | region | 5'-CS with GGG insertion that activates P2 |
| 4040..4064 | IRi → | IR | |
| 5395..6250 | aadA1a → | cassette | also called ant(3'')-1a |
| 6251..8275 | 3'-CS# → | region | |
| 6700..7539 | sul1 → | R_gene | |
| 8276..12361 | IS1326 ← | IS | IR=22/26 |
| 10718..12335 | Interruption | | |
| 10718..10719 | Direct Repeat (GT) | Direct Repeat | |
| 10720..12333 | Inserted Unit | | |
| 10720..12333 | IS1353 → | IS | IR=20/24, DR=2 |
| 12334..12335 | Direct Repeat (GT) | Direct Repeat | |
| 12362..15039 | Tn402# ← | Tn | tnt1 region of Tn402 |
| 15015..15039 | IRt ← | IR | |
| 15040..15044 | Direct Repeat (TCCAT) | Direct Repeat | |
| 15040..19672 | Tn21# ← | Tn | Positions 19672-15034 and 4044-1 in AF071413 (integron plus one copy of 5 bp flanking DR removed). Equivalent to Tn5060 (4 nt differences). |
| 19635..19672 | IR ← | IR | Tn21 IRL |

AF071413.3 Assembled sequence of transposon Tn21



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*arrows indicate the orientation of features, with the forward direction defined as the direction of transcription for genes, towards the main part of the attC site for cassettes, in integrons towards attI for 5' flanking regions, away from the cassette array for 3'-flanking regions, relative to the direction of transcription of the transposase gene for IS and Tn (i.e. IRL to IRR) and to the direction of the reverse transcriptase for Group II introns.

#in text annotations indicates that an incomplete copy of the feature is present. In diagrams for genes, the dashed part of arrow indicates which end is missing, for other features the missing end is shown by a zig-zag line. Annotations of partial features may not distinguish correctly between particular variants.