A

Sequence Display

Junction sequence	> AAAAAAGGAAAGTGTGCCTATTCTTTTATGCATTGTATTTTCAACATATCAAACTTATTGGGGTCAGGTAAATGTATTCTAAATACCCTGTATTGTAATC	**Strand:** +/-
Virus sequence	CAAACTTATTGGGGTCAGGTAAATGTATTCTAAATACCCTGTATTGTAATC	**Strand:** -
Human sequence	AAAAAAGGAAAGTGTGCCTATTCTTTTATGCATTGTATTTTCAACATATCA	**Strand:** +
MH patterns	TTCAACATAT.CA.AACTTATTGG TTCAACATAT.CA.AACTTATTGG TTCAACATAT.CA.AACTTATTGG	junctional microhomology/Snap-back junctional microhomology/Loop-out junctional microhomology/Loop-out

Microhomologies

B

Sequence Display

Junction sequence	> CTCTCTCTTAGACAGATAGACACACACACACACACGCACACATCCAGTTCCAGTTTCTGCAGGTGTTGGAGGCTGCAATACAGATGGGTCAGTGAAAG	**Strand:** +/-
Virus sequence	TCCAGTTTCTGCAGGTGTTGGAGGCTGCAATACAGATGGGTCAGTGAAAG	**Strand:** -
Human sequence	CTCTCTCTTAGACAGATAGACACACACACACACACGCACACATCCAGT	**Strand:** +
MH patterns	CACATCCAGT-TCCAGTTTCT	apparent blunt join/Loop-out

The end-join between human and virus sequence was displayed in three ways (junctional microhomology within dots; dash for apparent blut join; lowercase for short insertion). The repeat, including primers (red) and microhomologies (blue), was underlined.