DNA with LTR-LTR junction

**A**

- Integrated DNA
  - U3
  - U5
  - Viral integrated DNA and 2-LTR circles (observed structures)
    - TGT---------ACA
    - ACA---------TGT
  - Integration
    - 2-nl lost
    - Linear DNA
      - U3
      - U5
      - Symmetric viral DNA (proposed structure)
        - TGT---------ACA
        - ACA---------TGT
      - Asymmetric 3'-processing (IN)
        - Blunting and ligation
          - Blunt viral DNA, sequence deduced from observed integrated and 2-LTR junctions
            - TGT---------ACAAT
            - ACA---------TGTTAA

**B**

- Integrated DNA
  - U3
  - U5
  - DNA with LTR-LTR junction
    - U5--U3
  - Classical integration
    - 2-nl lost
    - DNA 3'-processed at each LTR: sequence deduced from the IN-cleavage of 2-LTR molecules
      - ATTGT---------ACA
      - ACA---------TGTTAA
  - Symmetric 3' processing resulting from LTR-LTR circle junction cleavage (IN)