

# Second strand transfer by annealing complementary PBS sequences

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https://reactome.org

## Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

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#### Literature references

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Reactome database release: 88

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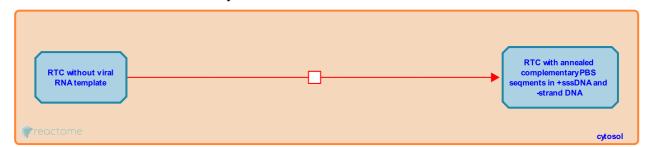
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**Stable identifier:** R-HSA-164512

Type: transition

**Compartments:** cytosol

Diseases: Human immunodeficiency virus infectious disease



With the removal of all viral genomic RNA and tRNA, the PBS sequence at the 3' end of the plus-strand strong-stop DNA (+sssDNA) is free to pair with the complementary PBS sequence at the 3' end of the minus-strand DNA, to generate a circular structure (Telesnitsky and Goff 1997).

### Literature references

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## **Editions**

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