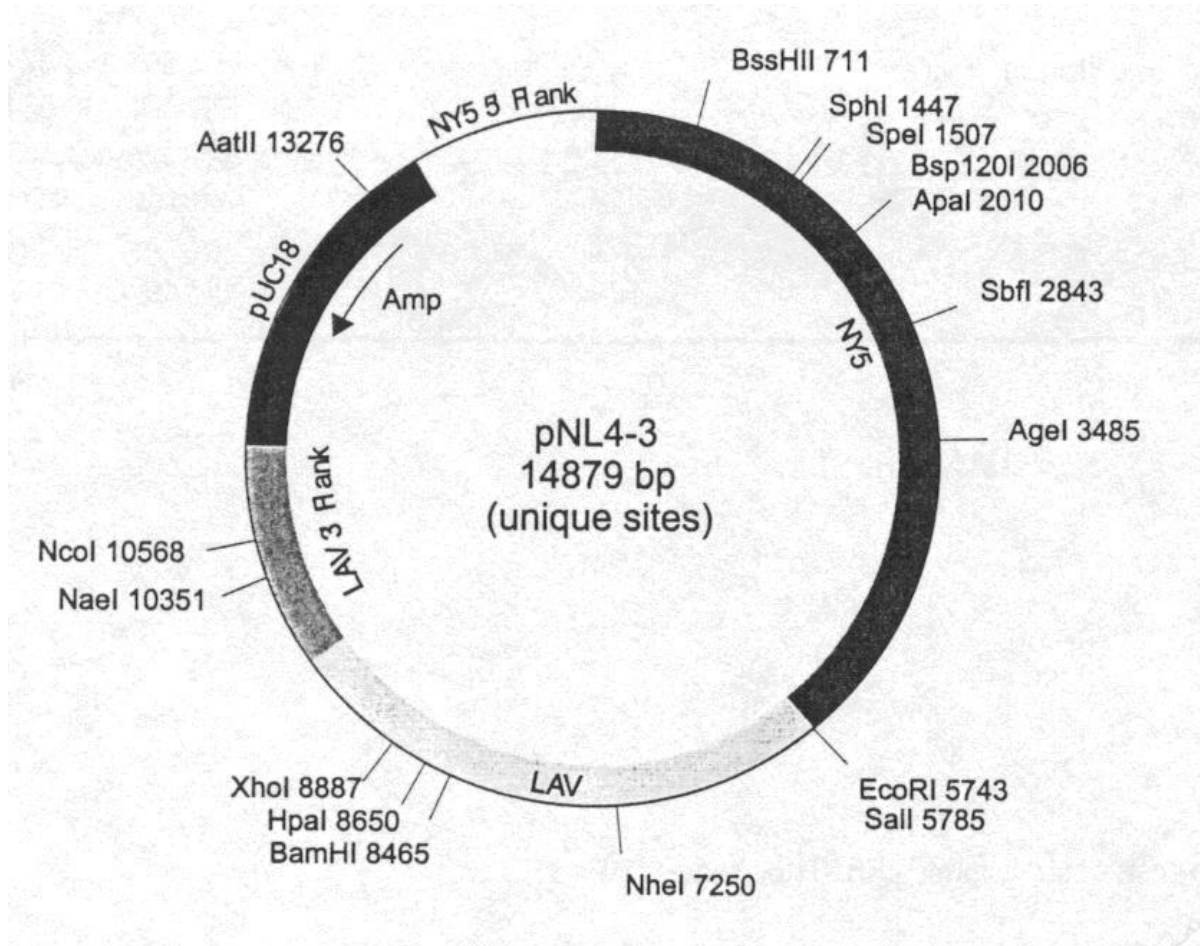


Centre For AIDS Reagents

Data Sheet

NAME:	pNL4-3
REPOSITORY REFERENCE:	ARP2006
PRESENTATION:	DNA 50µl aliquots (500µg/ml) in TE buffer.
DESCRIPTION OF CLONE:	Derived from NY5 (5') and LAV (3') cloned directly from genomic DNA. Full length replication and infection-competent chimeric DNA. The 5' SmaI-EcoRI fragment of proviral NY5 (5' SmaI in flanking sequences to 3' EcoRI) and the 3' fragment of proviral LAV (5' EcoRI to 3' NruI in flanking sequences) were blunt-end cloned into pUC18 at the PvuII site after removal of polylinker sites.
CHARACTERISTICS:	Upon transfection pNL4-3 directed the production of infectious particles in a wide variety of cells. The progeny, infectious virions, were synthesised in mouse, mink, monkey and several non-T-cell lines, indicating the absence of any intracellular obstacle to viral RNA or protein production or assembly. For complete sequence see below.
GROWTH CONDITIONS:	Can be grown in HB101 bacteria at 37°C. Transformed bacteria are ampicillin resistant.
SOURCE:	Dr Malcolm Martin (courtesy of the NIH AIDS Research and Reference Reagent Program)
REFERENCE:	Adachi A, Gendelman HE et al (1986) – “Production of acquired immunodeficiency syndrome-associated retrovirus in human and non-human cells transfected with an infectious molecular clone.” J Virol 59 : 284-291

Plasmid Map



pNL4-3 Sequence (Updated 14May10)

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GGC

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Publications should acknowledge the donor of the reagent and the Centre for AIDS Reagents. Suggested wording can be found on our website in the “Acknowledgement” section at:-

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