

General Description

DNA pAL1141 for Website
Entire molecule length: 43712 bp

Feature Map

CDS (31 total)

Amp(R)

Start: 1110 End: 1970
Original Location Description:
1110..1970
Qualifiers:
/invitrogen="1020000"

LacZa

Start: 2277 End: 2630 (Complementary)
Original Location Description:
complement(2277..2630)

sacB

Start: 3302 End: 4723
Original Location Description:
3302..4723

CDS_4

Start: 5551 End: 5973
Original Location Description:
5551..5973
Qualifiers:
/codon_start=1
/product="IX"
/protein_id="AP_000200.1"
/db_xref="GI:56160533"

CDS_5

Start: 6033 End: 7660 (Complementary)
Original Location Description:
complement(6033..7369,7648..7660)
Qualifiers:
/codon_start=1
/product="IVa2"
/protein_id="AP_000201.1"
/db_xref="GI:56160534"

CDS_6

Start: 7139 End: 16061 (Complementary)
Original Location Description:
complement(7139..10726,16053..16061)
Qualifiers:
/codon_start=1
/product="pol"
/protein_id="AP_000202.1"
/db_xref="GI:56160535"

CDS_7

Start: 10525 End: 16061 (Complementary)
Original Location Description:
complement(10525..12531,16053..16061)
Qualifiers:
/codon_start=1
/product="pTP"
/protein_id="AP_000203.1"
/db_xref="GI:56160536"

CDS_8

Start: 12992 End: 14239
Original Location Description:

12992..14239
Qualifiers:
/codon_start=1
/product="52K"
/protein_id="AP_000204.1"
/db_xref="GI:56160537"

CDS_9

Start: 14260 End: 16017
Original Location Description:
14260..16017
Qualifiers:
/codon_start=1
/product="pIIIa"
/protein_id="AP_000205.1"
/db_xref="GI:56160538"

CDS_10

Start: 16099 End: 17814
Original Location Description:
16099..17814
Qualifiers:
/codon_start=1
/product="III"
/protein_id="AP_000206.1"
/db_xref="GI:56160539"

CDS_11

Start: 17821 End: 18417
Original Location Description:
17821..18417
Qualifiers:
/codon_start=1
/product="pVII"
/protein_id="AP_000207.1"
/db_xref="GI:56160540"

CDS_12

Start: 18487 End: 19593
Original Location Description:
18487..19593
Qualifiers:
/codon_start=1
/product="V"
/protein_id="AP_000208.1"
/db_xref="GI:56160541"

CDS_13

Start: 19621 End: 19863
Original Location Description:
19621..19863
Qualifiers:
/codon_start=1
/product="pX"
/protein_id="AP_000209.1"
/db_xref="GI:56160542"

CDS_14

Start: 19946 End: 20698
Original Location Description:
19946..20698
Qualifiers:
/codon_start=1
/product="pVI"
/protein_id="AP_000210.1"
/db_xref="GI:56160543"

CDS_15

Start: 20784 End: 23642
Original Location Description:

20784..23642
Qualifiers:
/codon_start=1
/product="hexon"
/protein_id="AP_000211.1"
/db_xref="GI:56160544"

CDS_16

Start: 23675 End: 24289
Original Location Description:
23675..24289
Qualifiers:
/codon_start=1
/product="protease"
/protein_id="AP_000212.1"
/db_xref="GI:56160545"

CDS_17

Start: 24385 End: 25974 (Complementary)
Original Location Description:
complement(24385..25974)
Qualifiers:
/codon_start=1
/product="DBP"
/protein_id="AP_000213.1"
/db_xref="GI:56160546"

CDS_18

Start: 26003 End: 28426
Original Location Description:
26003..28426
Qualifiers:
/codon_start=1
/product="100K"
/protein_id="AP_000214.1"
/db_xref="GI:56160547"

CDS_19

Start: 28137 End: 29028
Original Location Description:
join(28137..28452,28655..29028)
Qualifiers:
/codon_start=1
/product="33K"
/protein_id="AP_000215.1"
/db_xref="GI:56160548"

CDS_20

Start: 28137 End: 28721
Original Location Description:
28137..28721
Qualifiers:
/codon_start=1
/product="22K"
/protein_id="AP_000216.1"
/db_xref="GI:56160549"

CDS_21

Start: 29110 End: 29793
Original Location Description:
29110..29793
Qualifiers:
/codon_start=1
/product="pVIII"
/protein_id="AP_000217.1"
/db_xref="GI:56160550"

CDS_29

Start: 30134 End: 30297 (Complementary)
spliced to an unidentified coding region downstream

Original Location Description:
complement(30134..30297)
Qualifiers:
/codon_start=1
/product="U exon"
/protein_id="AP_000225.1"
/db_xref="GI:56160558"

CDS_30

Start: 30308 End: 32053
Original Location Description:
30308..32053
Qualifiers:
/codon_start=1
/product="fiber"
/protein_id="AP_000226.1"
/db_xref="GI:56160559"

CDS_31

Start: 32180 End: 33343 (Complementary)
Original Location Description:
complement(32180..32458,33170..33343)
Qualifiers:
/codon_start=1
/product="E4 ORF6/7"
/protein_id="AP_000227.1"
/db_xref="GI:56160560"

CDS_32

Start: 32459 End: 33343 (Complementary)
Original Location Description:
complement(32459..33343)
Qualifiers:
/codon_start=1
/product="E4 34K"
/protein_id="AP_000228.1"
/db_xref="GI:56160561"

CDS_33

Start: 33264 End: 33608 (Complementary)
Original Location Description:
complement(33264..33608)
Qualifiers:
/codon_start=1
/product="E4 ORF4"
/protein_id="AP_000229.1"
/db_xref="GI:56160562"

CDS_34

Start: 33619 End: 33969 (Complementary)
Original Location Description:
complement(33619..33969)
Qualifiers:
/codon_start=1
/product="E4 ORF3"
/protein_id="AP_000230.1"
/db_xref="GI:56160563"

CDS_35

Start: 33966 End: 34358 (Complementary)
Original Location Description:
complement(33966..34358)
Qualifiers:
/codon_start=1
/product="E4 ORFB"
/protein_id="AP_000231.1"
/db_xref="GI:56160564"

CDS_36

Start: 34406 End: 34792 (Complementary)

Original Location Description:
complement(34406..34792)
Qualifiers:
/codon_start=1
/product="E4 ORF1"
/protein_id="AP_000232.1"
/db_xref="GI:56160565"

I-SceI

Start: 35937 End: 36770
Original Location Description:
35937..36770

Chloramphenicol Resistance

Start: 37170 End: 37829 (Complementary)
Original Location Description:
complement(37170..37829)

Misc. Feature (10 total)

Ad5 genome 1-460

Start: 1 End: 460
Original Location Description:
1..460

tet operator

Start: 775 End: 793
Original Location Description:
775..793

tet Operator

Start: 796 End: 814
Original Location Description:
796..814

link

Start: 5120 End: 5125
Original Location Description:
5120..5125

V5 tag

Start: 5126 End: 5170
Original Location Description:
5126..5170

Ad5 genome

Start: 5462 End: 35204
Original Location Description:
5462..35204

E3 deletion

Start: 30067 End: 30067
Original Location Description:
30067..30067

sopA

Start: 40512 End: 41678
Original Location Description:
40512..41678

sopB

Start: 41678 End: 42649
Original Location Description:
41678..42649

sopC

Start: 42722 End: 43195
Original Location Description:
42722..43195

PolyA Signal (2 total)

CMV IE PolyA

Start: 5177 End: 5455
Original Location Description:
5255..5455

SV40 PolyA

Start: 36777 End: 37017
Original Location Description:
36777..37017

Primer (2 total)

Primer -L

Start: 903 End: 924
Original Location Description:
903..924

Primer-R

Start: 5099 End: 5119 (Complementary)
Original Location Description:
complement(5099..5119)

Promoter Eukaryotic (2 total)

CMV Promotor

Start: 481 End: 897
Original Location Description:
481..897

RSV LTR

Start: 35313 End: 35883
Original Location Description:
35313..35883

Promoter Prokaryotic (1 total)

bla promoter

Start: 1011 End: 1109
Original Location Description:
1011..1109
Qualifiers:
/invitrogen="2330000"

Replication Origin (2 total)

oriS

Start: 38774 End: 38840
Original Location Description:
38774..38840

repE

Start: 39169 End: 39924
Original Location Description:
39169..39924

Repeat Region (1 total)

Repeat_Region_2

Start: 35102 End: 35204
ITR
Original Location Description:
35102..35204
Qualifiers:
/rpt_type=inverted

Variation (5 total)

Variation_1

Start: 34126 End: 34126
compared to sequence presented in GenBank Accession Number M73260
Original Location Description:
34126..34126
Qualifiers:
/experiment="experimental evidence, no additional details
recorded"
/citation=[1]
/replace="t"

Variation_3

Start: 34586 End: 34587
Original Location Description:
34586..34587
Qualifiers:
/experiment="experimental evidence, no additional details
recorded"
/citation=[1]
/replace=""

Variation_4

Start: 34778 End: 34778
Original Location Description:
34778..34778
Qualifiers:
/citation=[1]
/replace=""

Variation_5

Start: 34791 End: 34791
Original Location Description:
34791..34791
Qualifiers:
/citation=[1]
/replace=""

Variation_2

Start: 35204 End: 35204
compared to sequence presented in GenBank Accession Number M73260
Original Location Description:
35204..35204
Qualifiers:
/experiment="experimental evidence, no additional details
recorded"
/citation=[1]
/replace="t"