SPECIMEN # 455
HPV TYPE
16

102.

>gi|110555016|gb|DQ680078.1| Human papillomavirus type 16 strain Asian American-C variant
major capsid protein (L1) gene, complete cds
Length=1596

Score = 77.8 bits (39), Expect = 4e-14
Identities = 39/39 (100%), Gaps = 0/39 (0%)
Strand=Plus/Minus

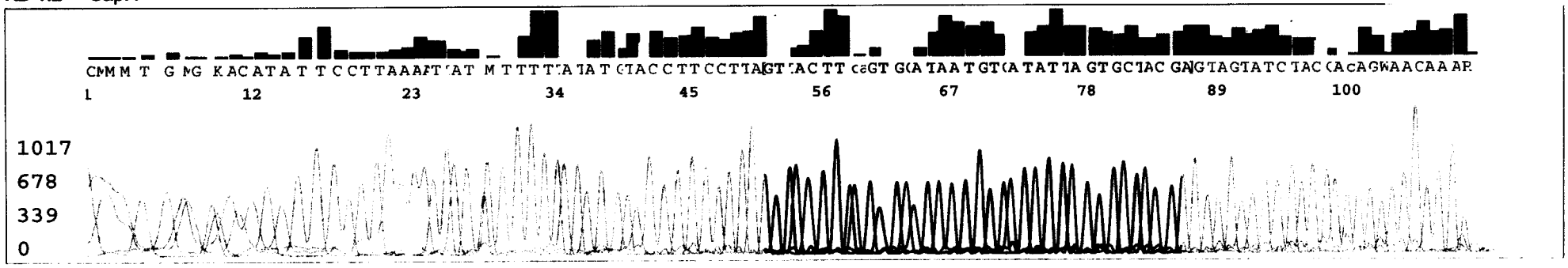
```
Query  1     AGTAGATATGGCAGCACATAATGACATATTTGTACTGCG  39
             |||||||||||||||||||||||||||||||||||||||
Sbjct  1128  AGTAGATATGGCAGCACATAATGACATATTTGTACTGCG  1090
```

Applied Biosystems

S/N G:39 A:145 T:188 C:110
KB.bcp
KB 1.2 Cap:4

HPV__2006-10-07_004
12
KB_3130_POP7_BDTv1.mob
Pts 1965 to 3254 Pk1 Loc:1965
Version 5.2.0 HISQV Bases: 62

SPECIMEN # 457
HPV TYPE
58



SPECIMEN # 457
HPV TYPE
58

```
>gi|90109956|gb|DQ431189.1|  Human papillomavirus type 58 isolate DF03
major capsid protein
L1 gene, partial cds
Length=409

 Score = 71.9 bits (36),  Expect = 2e-12
 Identities = 36/36 (100%), Gaps = 0/36 (0%)
 Strand=Plus/Minus

Query  1   GTTACTTCAGTGCATAATGTCATATTAGTGCTACGA  36
           ||||||||||||||||||||||||||||||||||||
Sbjct  81  GTTACTTCAGTGCATAATGTCATATTAGTGCTACGA  46
```

Applied Biosystems

S/N G:6 A:12 T:13 C:12
KB.bcp
KB 1.2 Cap:3

HPV__2006-09-27_003
3
KB_3130_POP7_BDTv1.mob
Pts 2074 to 3422 Pk1 Loc:2074
Version 5.2.0 HiSQV Bases: 21

SPECIMEN # 471
HPV TYPE
56

SPECIMEN # 471
HPV TYPE
56

253.

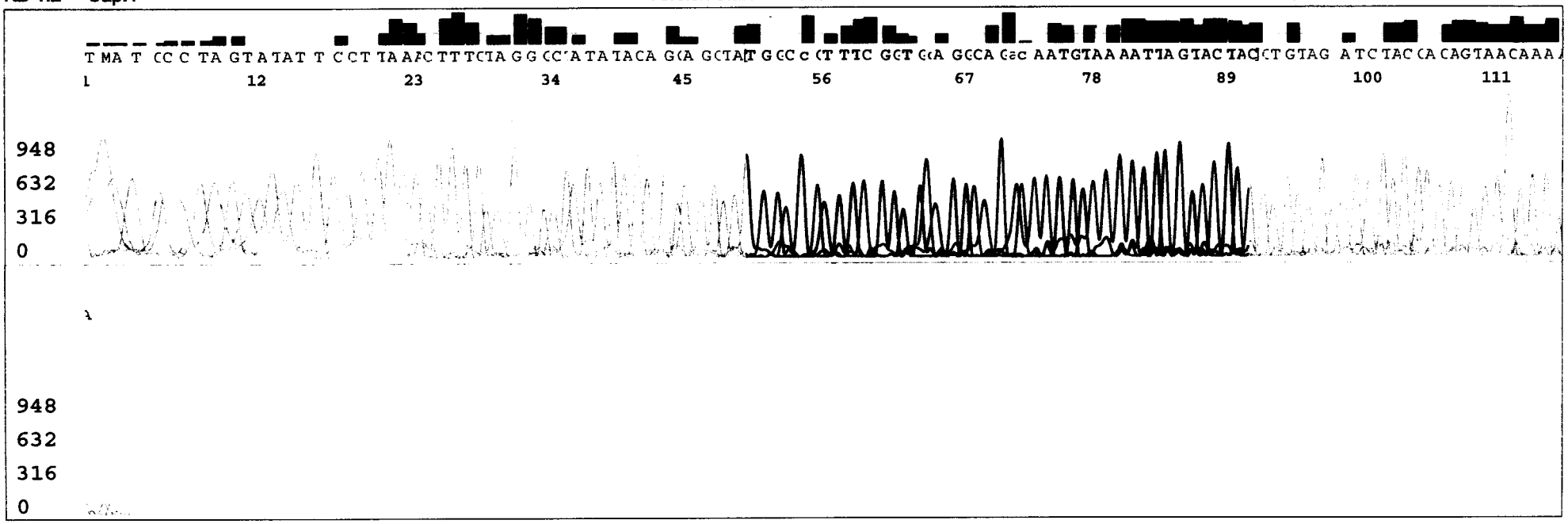
```
>gi|70698531|gb|DQ007187.1|  Human papillomavirus type 56 isolate
BR5868 L1 (L1) gene, partial
cds
Length=391

 Score = 73.1 bits (36),  Expect = 1e-12
 Identities = 39/40 (97%), Gaps = 0/40 (0%)
 Strand=Plus/Minus

Query  1   CATATTTACTTAACTGTTCTGTAGRAGTACTAATAGTCAT  40
           |||||||||||||||||||||||| ||||||||||||||
Sbjct  57  CATATTTACTTAACTGTTCTGTAGCAGTACTAATAGTCAT  18
```

Applied Biosystems

S/N G:37 A:78 T:70 C:73
KB.bcp
KB 1.2 Cap:1

HPV__2006-09-15_001
25
KB_3130_POP7_BDTv1.mob
Pts 1866 to 3207 Pk1 Loc:1866
Version 5.2.0 HiSQV Bases: 60

SPECIMEN # 473
HPV TYPE
70



SPECIMEN # 473
HPV TYPE
70

473.
>gi|1345087|gb|U22461.1|HPU22461 Human papillomavirus type 70 E6 protein (E6), E7 protein (E7), and L1 protein (L1) genes, complete cds
Length=3283

Score = 83.8 bits (42), Expect = 7e-16
Identities = 42/42 (100%), Gaps = 0/42 (0%)
Strand=Plus/Minus

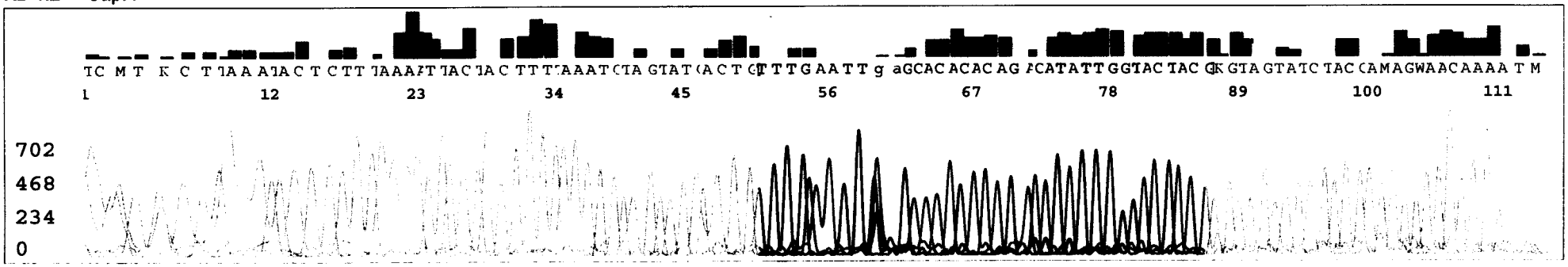
```
Query  1     TGGCCGTTTCGGTGCAGGCAGACAATGTAAAATTAGTACTAC  42
             ||||||||||||||||||||||||||||||||||||||||||
Sbjct  1079  TGGCCGTTTCGGTGCAGGCAGACAATGTAAAATTAGTACTAC  1038
```

Applied Biosystems

S/N G:30 A:82 T:101 C:82
KB.bcp
KB 1.2 Cap:4

HPV__2006-10-19_004
137
KB_3130_POP7_BDTv1.mob
Pts 1826 to 3114 Pk1 Loc:1826
Version 5.2.0 HiSQV Bases: 52

SPECIMEN # 475
HPV TYPE
31



SPECIMEN # 475
HPV TYPE
31

137.

>gi|66933451|gb|DQ057333.1| Human papillomavirus type 31 isolate BR1692 L1 protein (L1) gene, partial cds
Length=351

Score = 54.0 bits (27), Expect = 5e-07
Identities = 27/27 (100%), Gaps = 0/27 (0%)
Strand=Plus/Minus

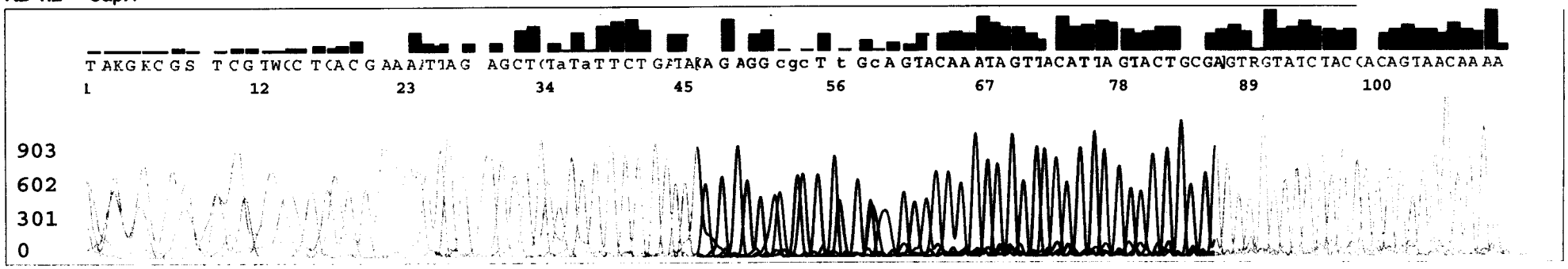
```
Query  10  AGCACACACAGACATATTGGTACTACG  36
           ||||||||||||||||||||||||||
Sbjct  43  AGCACACACAGACATATTGGTACTACG  17
```

Applied Biosystems

S/N G:39 A:87 T:85 C:80
KB.bcp
KB 1.2 Cap:1

HPV__2006-10-19_001
138
KB_3130_POP7_BDTv1.mob
Pts 1812 to 3069 Pk1 Loc:1812
Version 5.2.0 HiSQV Bases: 57

SPECIMEN # 478
HPV TYPE
72



SPECIMEN # 478
HPV TYPE
72

125.

>gi|1491683|emb|X94164.1|HPVT72ELG Human papillomavirus type 72 E6, E7, E1A, E1B, E2, E4, L2, and L1 genes
Length=7988

Score = 91.7 bits (46), Expect = 3e-18
Identities = 46/46 (100%), Gaps = 0/46 (0%)
Strand=Plus/Minus

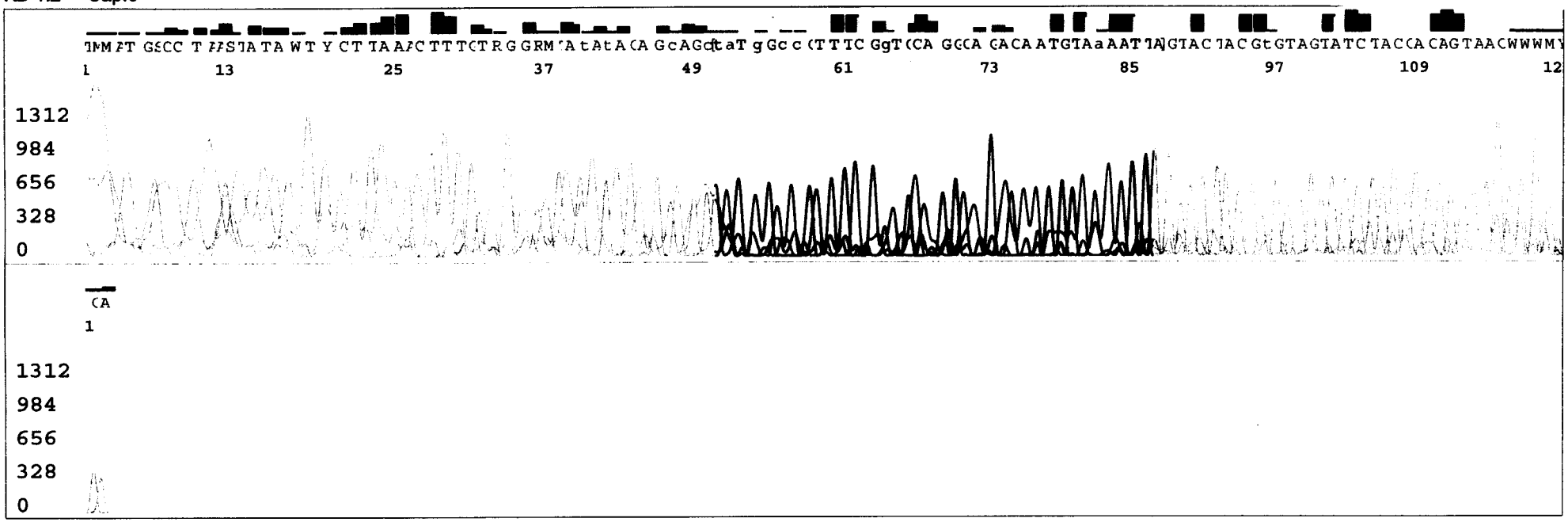
```
Query  1     GATACAGAGGACGCTGTGGCAGTACAAATAGTTACATTAGTACTGC  46
             ||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  6850  GATACAGAGGACGCTGTGGCAGTACAAATAGTTACATTAGTACTGC  6805
```

Applied Biosystems

S/N G:23 A:38 T:49 C:50
KB.bcp
KB 1.2 Cap:3

HPV__2006-10-19_003
126
KB_3130_POP7_BDTv1.mob
Pts 1835 to 3159 Pk1 Loc:1835
Version 5.2.0 HiSQV Bases: 24

SPECIMEN # 479
HPV TYPE 54



SPECIMEN # 479
HPV TYPE
54

>gi|1017782|gb|U37488.1|HPU37488 [redacted] Human papillomavirus type 54, complete genome
Length=7759

Score = 69.9 bits (35), Expect = 8e-12
Identities = 35/35 (100%), Gaps = 0/35 (0%)
Strand=Plus/Minus

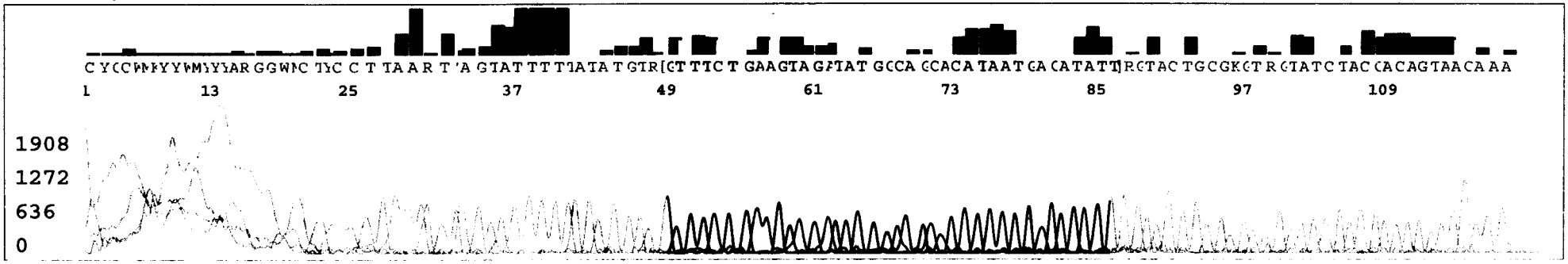
```
Query  1     ATGCTGTAGCACACAATGTTAGGTTAGTACTACGG  35
             |||||||||||||||||||||||||||||||||||
Sbjct  6640  ATGCTGTAGCACACAATGTTAGGTTAGTACTACGG  6606
```

Applied Biosystems

S/N G:10 A:16 T:16 C:15
KB.bcp
KB 1.2 Cap:4

HPV__2006-09-18_004
12
KB_3130_POP7_BDTv1.mob
Pts 1907 to 3218 Pk1 Loc:1907
Version 5.2.0 HiSQV Bases: 44

SPECIMEN # 490
HPV TYPE
16



SPECIMEN # 490
HPV TYPE
16

490.

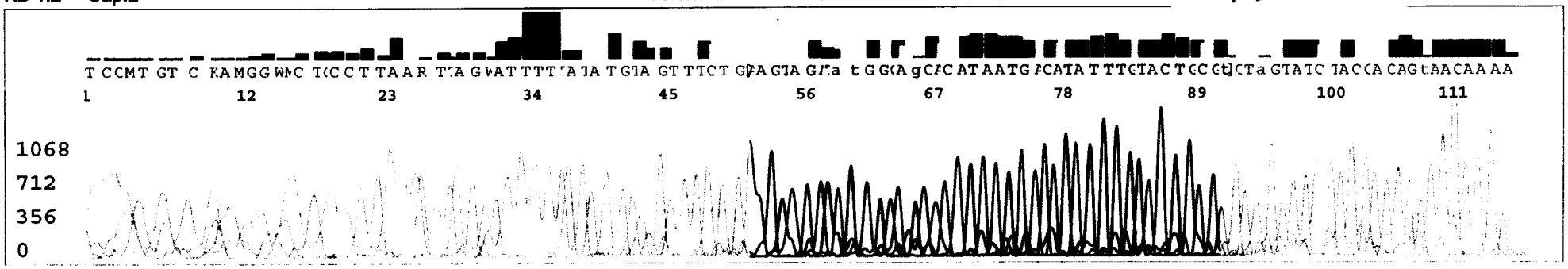
```
>gi|90192460|gb|DQ422772.1|  Human papillomavirus type 16 clone 60 L1
protein (L1) gene, partial
cds
Length=290

 Score = 75.8 bits (38),  Expect = 1e-13
 Identities = 38/38 (100%), Gaps = 0/38 (0%)
 Strand=Plus/Minus

Query  1   GTTTCTGAAGTAGATATGGCAGCACATAATGACATATT  38
           ||||||||||||||||||||||||||||||||||||||
Sbjct  59  GTTTCTGAAGTAGATATGGCAGCACATAATGACATATT  22
```

Applied Biosystems

S/N G:31 A:54 T:70 C:53
KB.bcp
KB 1.2 Cap:2

HPV__2006-09-26_002
6
KB_3130_POP7_BDTv1.mob
Pts 1911 to 3192 Pk1 Loc:1911
Version 5.2.0 HiSQV Bases: 48

SPECIMEN # 491
HPV TYPE
16



SPECIMEN # 491
HPV TYPE
16

491.
>gi|91178178|gb|DQ448200.1| Human papillomavirus type 16 isolate IR-ESO-HPV-16/19 L1 (L1) gene, partial cds
Length=141

Score = 81.8 bits (41), Expect = 3e-15
Identities = 41/41 (100%), Gaps = 0/41 (0%)
Strand=Plus/Minus

```
Query  1   AAGTAGATATGGCAGCACATAATGACATATTTGTACTGCGT  41
           |||||||||||||||||||||||||||||||||||||||||
Sbjct  62  AAGTAGATATGGCAGCACATAATGACATATTTGTACTGCGT  22
```