

File: AOTUS KI54J

Mode: Normal 1 - 540

Table: DNASIS1 Style: Linear Indication Mode: Actual Cutting Site

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      10      20      30      40      50      60
5' GCTCACTAGTCCTATATATTATTTCCCTAATACTTACTACAAAATTAACACACACTAGTA
                                     ^
                                     RsaI

      70      80      90     100     110     120
CCATAAACGCCCAAGAAATCGAAATAATCTGAACTATCCTGCCCGCAATCATTCTTATTA
                ^
                TaqI

     130     140     150     160     170     180
TAATTGCTCTCCCATCCCTACGTATCCTCTACATAACAGACGAATTTAATAAACCTACC
                ^
                SstIII

     190     200     210     220     230     240
TAACCCTCAAAGCAATTGGCCATCAATGATATTGAAGCTATGAATACTCAGACTATGAAG
                ^                ^
                HaeIII           AluI

     250     260     270     280     290     300
ACCTAGCATTTGATTCTATATTACACCAACCTACTTCCTTGAACCTGGCGAATTTGAC
                                     ^ ^           ^
                                     BstNI       TaqI
                                     EcoRII

     310     320     330     340     350     360
TTCTCGAAGTAGATAACCGGACAACCCTCCCAATAGAAGCAGATATTCGTATACTAATTA
    ^                ^
    TaqI            MspI

     370     380     390     400     410     420
CATCACAAGACGTCTTACACTCATGAGCTGTTCCATCATTAGGTGTTAAAACCGACGCAA
    ^                ^
    SstIII           AluI

     430     440     450     460     470     480
TCCCCGGACGCTTAAATCAACAGATACTGGCCTCTATGCGCCCAGGCCTATTCTACGGAC
    ^                ^                ^ ^ ^
    MspI             HaeIII           BstNI
                                     EcoRII
                                     StuI
                                     HaeIII

     490     500     510     520     530     540
AATGCTCAGAGATCTGCGGATCAAATCATAGCTTCATGCCTATCGTTCTAGAATTTATCT
    ^                ^                ^
    BglII           Sau3AI           AluI
    Sau3AI
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File: AOTUS KI54J

Mode: Normal 1 - 540

Table: DNASIS1 Style: Linear Indication Mode: Actual Cutting Site

```

      10      20      30      40      50      60
5' GCTCACTAGTCCTATATATTATTTCCCTAATACTTACTACAAAATTAACACACACTAGTA
                                     ^
                                     RsaI

      70      80      90      100     110     120
CCATAAACGCCCAAGAAATCGAAATAATCTGAACTATCCTGCCCGCAATCATTCTTATTA
                ^
                TaqI

     130     140     150     160     170     180
TAATTGCTCTCCCATCCCTACGTATCCTCTACATAACAGACGAATTTAATAAACCTACC
                ^
                SstIII

     190     200     210     220     230     240
TAACCCTCAAAGCAATTGGCCATCAATGATATTGAAGCTATGAATACTCAGACTATGAAG
                ^                ^
                HaeIII           AluI

     250     260     270     280     290     300
ACCTAGCATTGATTCTATATTACACCAACCTACTTCCTTGAACCTGGCGAATTTTCGAC
                                     ^ ^           ^
                                     BstNI       TaqI
                                     EcoRII

     310     320     330     340     350     360
TTCTCGAAGTAGATAACCGGACAACCCTCCCAATAGAAGCAGATATTCGTATACTAATTA
    ^                ^
    TaqI            MspI

     370     380     390     400     410     420
CATCACAAGACGTCTTACACTCATGAGCTGTTCCATCATTAGGTGTTAAAACCGACGCAA
    ^                ^
    SstIII           AluI

     430     440     450     460     470     480
TCCCCGGACGCTTAAATCAACAGATACTGGCCTCTATGCGCCCAGGCCTATTCTACGGAC
    ^                ^                ^ ^ ^
    MspI            HaeIII           BstNI
                                     EcoRII
                                     StuI
                                     HaeIII

     490     500     510     520     530     540
AATGCTCAGAGATCTGCGGATCAAATCATAGCTTCATGCCTATCGTTCTAGAATTTATCT
    ^                ^                ^
    BglII           Sau3AI           AluI
    Sau3AI

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File: AOTUS KVIII55J

Mode: Normal 1 - 540

Table: DNASIS1 Style: Linear Indication Mode: Actual Cutting Site

```

      10      20      30      40      50      60
5' GCTCACTAGTCCTATATATTATTTCCCTAATACTTACTACAAAATTAACCCACACCAGTA
                                         ^
                                         RsaI

      70      80      90      100     110     120
CCATAAACGCCAGGAAATCGAAATAATCTGAACTATTCTGCCCGCTATCATTCTTATTA
      ^ ^           ^
      BstNI TaqI
      EcoRII

     130     140     150     160     170     180
TAATTGCTCTCCCATCCCTACGTATCCTCTATATAACAGACGAATTCAATAAACCTACC
              ^
              SstIII

     190     200     210     220     230     240
TAACCCTTAAAGCAATTGGCCACCAATGATACTGGAGCTATGAATACTCAGACTATGAAG
              ^           ^           ^
              HaeIII      AluI      BglII
                                           Sau3AI

     250     260     270     280     290     300
ATCTAGCATTGATTCTATATTACGCCAACCTACTTCCTTGAACCTGGCGAGTTTCGAC
                                   ^ ^           ^
                                   BstNI      TaqI
                                   EcoRII

     310     320     330     340     350     360
TCCTCGAAGTAGATAACCGGACAACCCTCCCAATAGAAGCAGATATTCGTATACTAATTA
      ^           ^
      TaqI      MspI

     370     380     390     400     410     420
CATCACAAGACGTCTTACACTCATGAGCTGTTCCATCGTTAGGTGTCAAACAGACGCAA
      ^           ^
      SstIII      AluI

     430     440     450     460     470     480
TCCCCGGACGCTTAAATCAAGCTATACTGGCCTCCATACGTCCTGGCCTATTCTATGGAC
      ^           ^           ^ ^ ^ ^
      MspI      AluI      HaeIII SstIIIBstNI
                                   EcoRII
                                   HaeIII

     490     500     510     520     530     540
AATGCTCAGAAATCTGCGGATCAAACCATAGCTTCATACCTATCGTTCTAGAATTTATCT
              ^           ^
              Sau3AI      AluI

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File: AOTUS KVII51/52J

Mode: Normal 1 - 540

Table: DNASIS1 Style: Linear Indication Mode: Actual Cutting Site

```

      10      20      30      40      50      60
5' GCTCACTAGTCCTATATATTATTTCCGTAATACTTCCTACAAAATTAACCCACACCAGCA

      70      80      90      100     110     120
CCATAAACGCCCAAGAAATCGAAATAATCTGAACTATTCTGCCCGCTATCATTCTTATTA
      ^
      TaqI

      130     140     150     160     170     180
TAATTGCTCTCCCATCCCTACGTATCCTCTATATAACAGACGAATTTAATAAACCCCTACC
      ^
      SstIII

      190     200     210     220     230     240
TAACCCTTAAAGCAATCGGCCATCAATGATACTGAAGCTATGAATACTCAGACTATGAAG
      ^           ^           ^
      HaeIII     AluI     BglII
                          Sau3AI

      250     260     270     280     290     300
ATCTAGCATTTGACTCCTATATTACACCAACCTACTTCCTTGAACCTGGCGAATTTGAC
      ^ ^           ^
      BstNI     TaqI
      EcoRII

      310     320     330     340     350     360
TTCTCGAAGTAGATAATCGAACAACCCTCCCAATAGAAGCAGATATTCGTATACTAATTA
      ^           ^
      TaqI     TaqI

      370     380     390     400     410     420
CATCACAAGACGTCTTACACTCATGAGCTGTTCCATCGTTGGGTGTTAAAACAGACGCAA
      ^           ^
      SstIII     AluI

      430     440     450     460     470     480
TCCCCGGACGCTTAAACCAAGCTATACTAGCCTCCATACGTCCAGGCCTATTCTACGGAC
      ^           ^           ^ ^ ^ ^
      MspI     AluI     SstIII BstNI
                          EcoRII
                          StuI
                          HaeIII

      490     500     510     520     530     540
AATGCTCAGAAATCTGCGGATCAAATCATAGCTTCATGCCAATCGTTCTAGAATTTATCT
      ^           ^
      Sau3AI     AluI
```

DNASIS
Restriction Search [AOTUS KVII51/52J]

File: AOTUS KVII51/52J

Mode: Normal 1 - 540

Table: DNASIS1 Style: Linear Indication Mode: Actual Cutting Site

```

      10      20      30      40      50      60
5' GCTCACTAGTCCTATATATTATTTCCGTAATACTTCCTACAAAATTAACCCACACCAGCA

      70      80      90     100     110     120
CCATAAACGCCCAAGAAATCGAAATAATCTGAACTATTCTGCCCGCTATCATTCTTATTA
      ^
      TaqI

     130     140     150     160     170     180
TAATTGCTCTCCCATCCCTACGTATCCTCTATATAACAGACGAATTTAATAAACCTACC
      ^
      SstIII

     190     200     210     220     230     240
TAACCCTTAAAGCAATCGGCCATCAATGATACTGAAGCTATGAATACTCAGACTATGAAG
      ^           ^           ^
      HaeIII      AluI      BglII
                          Sau3AI

     250     260     270     280     290     300
ATCTAGCATTTGACTCCTATATTACACCAACCTACTTCCTTGAACCTGGCGAATTTGAC
                          ^ ^
                          BstNI
                          EcoRII
                          TaqI

     310     320     330     340     350     360
TTCTCGAAGTAGATAATCGAACAACCCCTCCCAATAGAAGCAGATATTCGTATACTAATTA
      ^           ^
      TaqI      TaqI

     370     380     390     400     410     420
CATCACAAGACGTCTTACACTCATGAGCTGTTCCATCGTTGGGTGTTAAAACAGACGCAA
      ^           ^
      SstIII      AluI

     430     440     450     460     470     480
TCCCCGGACGCTTAAACCAAGCTATACTAGCCTCCATACGTCCAGGCCTATTCTACGGAC
      ^           ^           ^ ^ ^ ^
      MspI      AluI      SstIIIBstNI
                          EcoRII
                          StuI
                          HaeIII

     490     500     510     520     530     540
AATGCTCAGAAATCTGCGGATCAAATCATAGCTTCATGCCAATCGTTCTAGAATTTATCT
      ^           ^
      Sau3AI      AluI
```

Restriction Search [AOTUS KII54J]

File: AOTUS KII54J

Mode: Normal 1 - 540

Table: DNASIS1 Style: Linear Indication Mode: Actual Cutting Site

```

      10      20      30      40      50      60
5' GCTCACTAGTCCTATATATTATCTCCCTAATACTTACTACAAAATTAACCCACACCAGCA

      70      80      90     100     110     120
CCATAAACGCCAGGAAATCGAAATAATCTGAACTATTCTGCCCGCTATCATTCTTATTA
      ^ ^
      BstNI TaqI
      EcoRII

     130     140     150     160     170     180
TAATTGCTCTCCCATCCCTACGTATCCTATATATAACAGACGAATTTAATAAACCTACC
      ^
      SstIII

     190     200     210     220     230     240
TTACCCTTAAAGCAATTGGCCATCAATGATACTGAAGCTATGAATACTCAGACTATGAAG
      ^
      HaeIII
      AluI
      BglII
      Sau3AI

     250     260     270     280     290     300
ATCTAGCATTGATTCTATATTACGCCAACCTACTTCCTTGAACCTGGCGAATTTTCGAC
      ^ ^
      BstNI TaqI
      EcoRII

     310     320     330     340     350     360
TTCTCGAAGTAGATAACCGAACAACCCTCCCAATAGAAGCAGATATTCGTATACTAATTA
      ^
      TaqI

     370     380     390     400     410     420
CATCACAAGACGTCTTACACTCATGAGCTGTTCCATCGTTAGGTGTTAAAACAGACGCAA
      ^
      SstIII
      AluI

     430     440     450     460     470     480
TCCCCGGACGCTTAAATCAAGCTATACTGGCCTCTATACGCCAGGCCTATTCTATGGAC
      ^
      MspI
      AluI
      HaeIII
      BstNI
      EcoRII
      StuI
      HaeIII

     490     500     510     520     530     540
AGTGCTCAGAAATCTGCGGATCAAACCATAGCTTCATACCTATCGTTCTAGAATTTATCT
      ^
      Sau3AI
      AluI

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File: AOTUS KII54J
Mode: Normal 1 - 540
Table: DNASIS1 Style: Linear Indication Mode: Actual Cutting Site

```

      10      20      30      40      50      60
5' GCTCACTAGTCCTATATATTATCTCCCTAATACTTACTACAAAATTAACCCACACCAGCA

      70      80      90      100     110     120
CCATAAACGCCAGGAAATCGAAATAATCTGAACTATTCTGCCCGCTATCATTCTTATTA
      ^ ^      ^
      BstNI TaqI
      EcoRII

      130     140     150     160     170     180
TAATTGCTCTCCCATCCCTACGTATCCTATATATAACAGACGAATTTAATAAACCTACC
      ^
      SstIII

      190     200     210     220     230     240
TTACCCTTAAAGCAATTGGCCATCAATGATACTGAAGCTATGAATACTCAGACTATGAAG
      ^      ^      ^
      HaeIII AluI BglII
      Sau3AI

      250     260     270     280     290     300
ATCTAGCATTGATTCTATATTACGCCAACCTACTTCCTTGAACCTGGCGAATTTTCGAC
      ^ ^      ^
      BstNI TaqI
      EcoRII

      310     320     330     340     350     360
TTCTCGAAGTAGATAACCGAACAACCCTCCCAATAGAAGCAGATATTCGTATACTAATTA
      ^
      TaqI

      370     380     390     400     410     420
CATCACAAGACGTCTTACACTCATGAGCTGTTCCATCGTTAGGTGTTAAAACAGACGCAA
      ^      ^
      SstIII AluI

      430     440     450     460     470     480
TCCCCGGACGCTTAAATCAAGCTATACTGGCCTCTATACGCCAGGCCTATTCTATGGAC
      ^      ^      ^      ^ ^ ^
      MspI AluI HaeIII BstNI
      EcoRII
      StuI
      HaeIII

      490     500     510     520     530     540
AGTGCTCAGAAATCTGCGGATCAAACCATAGCTTCATACCTATCGTTCTAGAATTTATCT
      ^      ^
      Sau3AI AluI
```

File: AOTUS KII54J

Mode: Normal 1 - 540

Table: DNASIS1 Style: Linear Indication Mode: Actual Cutting Site

10 20 30 40 50 60
5' GCTCACTAGTCCTATATATTATCTCCCTAATACTTACTACAAAATTAACCCACACCAGCA

70 80 90 100 110 120
CCATAAACGCCAGGAAATCGAAATAATCTGAACTATTCTGCCCGCTATCATTCTTATTA
^ ^ ^
BstNI TaqI
EcoRII

130 140 150 160 170 180
TAATTGCTCTCCCATCCCTACGTATCCTATATATAACAGACGAATTTAATAAACCTACC
^
SstIII

190 200 210 220 230 240
TTACCCTTAAAGCAATTGGCCATCAATGATACTGAAGCTATGAATACTCAGACTATGAAG
^ ^ ^
HaeIII AluI BglII
Sau3AI

250 260 270 280 290 300
ATCTAGCATTGATTCTATATTACGCCAACCTACTTCCTTGAACCTGGCGAATTTTCGAC
^ ^ ^
BstNI TaqI
EcoRII

310 320 330 340 350 360
TTCTCGAAGTAGATAACCGAACAACCTCCCAATAGAAGCAGATATTCGTATACTAATTA
^
TaqI

370 380 390 400 410 420
CATCACAAGACGTCTTACACTCATGAGCTGTTCCATCGTTAGGTGTTAAAACAGACGCAA
^ ^
SstIII AluI

430 440 450 460 470 480
TCCCCGGACGCTTAAATCAAGCTATACTGGCCTCTATACGCCAGGCCTATTCTATGGAC
^ ^ ^ ^ ^
MspI AluI HaeIII BstNI
EcoRII
StuI
HaeIII

490 500 510 520 530 540
AGTGCTCAGAAATCTGCGGATCAAACCATAGCTTCATACCTATCGTTCTAGAATTTATCT
^ ^
Sau3AI AluI

File: AOTUS KVI49/50J

Mode: Normal 1 - 540

Table: DNASIS1 Style: Linear Indication Mode: Actual Cutting Site

```

      10      20      30      40      50      60
5' GCTCACTAGTCCTATATATTATCTCCCTAATACTTACTACAAAATTAACCCACACCAGCA

      70      80      90     100     110     120
CCATAAACGCCCAAGAAATTGAAATAATCTGAACTATTCTGCCCGCTATCATTCTTATTA

      130     140     150     160     170     180
TAATTGCTCTCCCATCCCTACGTATCCTCTATATAACAGACGAATTTAATAAACCTACC
      ^
      SstIII

      190     200     210     220     230     240
TAACCCTTAAAGCAATCGGCCATCAATGATACTGAAGCTATGAATACTCAGACTATGAAG
      ^           ^           ^
      HaeIII     AluI           BglII
                                   Sau3AI

      250     260     270     280     290     300
ATCTAGCATTTGACTCCTATATTACACCAACCTACTTCCTTGAACCTGGTGAGTTTCGAC
                                   ^ ^           ^
                                   BstNI     TaqI
                                   EcoRII

      310     320     330     340     350     360
TTCTCGAAGTAGATAATCGAACAACCCTCCCGATAGAAGCAGATATTCGTATACTAATTA
      ^           ^
      TaqI     TaqI

      370     380     390     400     410     420
CATCACAAGATGTCTTACACTCATGAGCTGTTCCATCATTGGGTGTTAAAACAGACGCAA
                                   ^
                                   AluI

      430     440     450     460     470     480
TCCCCGGACGCTTAAACCAAGCCATACTAGCCTCTATACGTCCAGGCCTATTCTATGGAC
      ^           ^ ^ ^ ^
      MspI           SstIII BstNI
                                   EcoRII
                                   StuI
                                   HaeIII

      490     500     510     520     530     540
AGTGCTCAGAAATCTGCGGATCAAATCATAGCTTCATGCCTATCGTTCTAGAATTTATCT
                                   ^           ^
                                   Sau3AI     AluI
```

		10	20	30	40	50	
AOTUS KI54J	1	GCTCACTAGT	CCTATATATT	ATTTCCCTAA	TACTTACTAC	AAAATTAACA	50
AOTUS KII54J	1	GCTCACTAGT	CCTATATATT	ATCTCCCTAA	TACTTACTAC	AAAATTAACC	50
AOTUS KVI49/	1	GCTCACTAGT	CCTATATATT	ATCTCCCTAA	TACTTACTAC	AAAATTAACC	50
AOTUS KVII51	1	GCTCACTAGT	CCTATATATT	ATTTCCGTA	TACTTCTCTAC	AAAATTAACC	50
AOTUS KVIII5	1	GCTCACTAGT	CCTATATATT	ATTTCCCTAA	TACTTACTAC	AAAATTAACC	50
		60	70	80	90	100	
AOTUS KI54J	51	CACACTAGTA	CCATAAACGC	CCAAGAAATC	GAAATAATCT	GAACTATCCT	100
AOTUS KII54J	51	CACACCAGCA	CCATAAACGC	CCAGGAAATC	GAAATAATCT	GAACTATTCT	100
AOTUS KVI49/	51	CACACCAGCA	CCATAAACGC	CCAAGAAATT	GAAATAATCT	GAACTATTCT	100
AOTUS KVII51	51	CACACCAGCA	CCATAAACGC	CCAAGAAATC	GAAATAATCT	GAACTATTCT	100
AOTUS KVIII5	51	CACACCAGTA	CCATAAACGC	CCAGGAAATC	GAAATAATCT	GAACTATTCT	100
		110	120	130	140	150	
AOTUS KI54J	101	GCCCCGAATC	ATTCTTATTA	TAATTGCTCT	CCCATCCCTA	CGTATCCTCT	150
AOTUS KII54J	101	GCCCCGCTATC	ATTCTTATTA	TAATTGCTCT	CCCATCCCTA	CGTATCCTAT	150
AOTUS KVI49/	101	GCCCCGCTATC	ATTCTTATTA	TAATTGCTCT	CCCATCCCTA	CGTATCCTCT	150
AOTUS KVII51	101	GCCCCGCTATC	ATTCTTATTA	TAATTGCTCT	CCCATCCCTA	CGTATCCTCT	150
AOTUS KVIII5	101	GCCCCGCTATC	ATTCTTATTA	TAATTGCTCT	CCCATCCCTA	CGTATCCTCT	150
		160	170	180	190	200	
AOTUS KI54J	151	ACATAACAGA	CGAATTTAAT	AAACCCTACC	TAACCCTCAA	AGCAATTGGC	200
AOTUS KII54J	151	ATATAACAGA	CGAATTTAAT	AAACCCTACC	TTACCCTTAA	AGCAATTGGC	200
AOTUS KVI49/	151	ATATAACAGA	CGAATTTAAT	AAACCCTACC	TAACCCTTAA	AGCAATCGGC	200
AOTUS KVII51	151	ATATAACAGA	CGAATTTAAT	AAACCCTACC	TAACCCTTAA	AGCAATCGGC	200
AOTUS KVIII5	151	ATATAACAGA	CGAATTCAAT	AAACCCTACC	TAACCCTTAA	AGCAATTGGC	200
		210	220	230	240	250	
AOTUS KI54J	201	CATCAATGAT	ATTGAAGCTA	TGAATACTCA	GACTATGAAG	ACCTAGCATT	250
AOTUS KII54J	201	CATCAATGAT	ACTGAAGCTA	TGAATACTCA	GACTATGAAG	ATCTAGCATT	250
AOTUS KVI49/	201	CATCAATGAT	ACTGAAGCTA	TGAATACTCA	GACTATGAAG	ATCTAGCATT	250
AOTUS KVII51	201	CATCAATGAT	ACTGAAGCTA	TGAATACTCA	GACTATGAAG	ATCTAGCATT	250
AOTUS KVIII5	201	CACCAATGAT	ACTGGAGCTA	TGAATACTCA	GACTATGAAG	ATCTAGCATT	250
		260	270	280	290	300	
AOTUS KI54J	251	TGATTCCTAT	ATTACACCAA	CCTACTTCCT	TGAACCTGGC	GAATTTGAC	300
AOTUS KII54J	251	TGATTCCTAT	ATTACGCCAA	CCTACTTCCT	TGAACCTGGC	GAATTTGAC	300
AOTUS KVI49/	251	TGACTCCTAT	ATTACACCAA	CCTACTTCCT	TGAACCTGGT	GAGTTTCGAC	300
AOTUS KVII51	251	TGACTCCTAT	ATTACACCAA	CCTACTTCCT	TGAACCTGGC	GAATTTGAC	300
AOTUS KVIII5	251	TGATTCCTAT	ATTACGCCAA	CCTACTTCCT	TGAACCTGGC	GAGTTTCGAC	300
		310	320	330	340	350	
AOTUS KI54J	301	TTCTCGAAGT	AGATAACCGG	ACAACCCTCC	CAATAGAAGC	AGATATTCGT	350
AOTUS KII54J	301	TTCTCGAAGT	AGATAACCGA	ACAACCCTCC	CAATAGAAGC	AGATATTCGT	350
AOTUS KVI49/	301	TTCTCGAAGT	AGATAATCGA	ACAACCCTCC	CGATAGAAGC	AGATATTCGT	350
AOTUS KVII51	301	TTCTCGAAGT	AGATAATCGA	ACAACCCTCC	CAATAGAAGC	AGATATTCGT	350
AOTUS KVIII5	301	TCCTCGAAGT	AGATAACCGG	ACAACCCTCC	CAATAGAAGC	AGATATTCGT	350
		360	370	380	390	400	
AOTUS KI54J	351	ATACTAATTA	CATCACAAGA	CGTCTTACAC	TCATGAGCTG	TTCCATCATT	400
AOTUS KII54J	351	ATACTAATTA	CATCACAAGA	CGTCTTACAC	TCATGAGCTG	TTCCATCGTT	400
AOTUS KVI49/	351	ATACTAATTA	CATCACAAGA	TGTCTTACAC	TCATGAGCTG	TTCCATCATT	400
AOTUS KVII51	351	ATACTAATTA	CATCACAAGA	CGTCTTACAC	TCATGAGCTG	TTCCATCGTT	400
AOTUS KVIII5	351	ATACTAATTA	CATCACAAGA	CGTCTTACAC	TCATGAGCTG	TTCCATCGTT	400
		410	420	430	440	450	
AOTUS KI54J	401	AGGTGTTAAA	ACCGACGCAA	TCCCCGGACG	CTTAAATCAA	CAGATACTGG	450
AOTUS KII54J	401	AGGTGTTAAA	ACAGACGCAA	TCCCCGGACG	CTTAAATCAA	GCTATACTGG	450
AOTUS KVI49/	401	GGGTGTTAAA	ACAGACGCAA	TCCCCGGACG	CTTAAACCAA	GCCATACTAG	450
AOTUS KVII51	401	GGGTGTTAAA	ACAGACGCAA	TCCCCGGACG	CTTAAACCAA	GCTATACTAG	450
AOTUS KVIII5	401	AGGTGTCAAA	ACAGACGCAA	TCCCCGGACG	CTTAAATCAA	GCTATACTGG	450
		460	470	480	490	500	
AOTUS KI54J	451	CCTCTATGCG	CCCAGGCCTA	TTCTACGGAC	AATGCTCAGA	GATCTGCCGA	500

AOTUS	KII54J	451	CCTCTATACG	CCCAGGCCTA	TTCTATGGAC	AGTGCTCAGA	AATCTGCGGA	500
AOTUS	KVI49/	451	CCTCTATACG	TCCAGGCCTA	TTCTATGGAC	AGTGCTCAGA	AATCTGCGGA	500
AOTUS	KVII51	451	CCTCCATACG	TCCAGGCCTA	TTCTACGGAC	AATGCTCAGA	AATCTGCGGA	500
AOTUS	KVIII5	451	CCTCCATACG	TCCTGGCCTA	TTCTATGGAC	AATGCTCAGA	AATCTGCGGA	500

			510	520	530	540	550	
AOTUS	KI54J	501	TCAAATCATA	GCTTCATGCC	TATCGTTCTA	GAATTTATCT	.....	550
AOTUS	KII54J	501	TCAAACCATA	GCTTCATAACC	TATCGTTCTA	GAATTTATCT	.....	550
AOTUS	KVI49/	501	TCAAATCATA	GCTTCATGCC	TATCGTTCTA	GAATTTATCT	.....	550
AOTUS	KVII51	501	TCAAATCATA	GCTTCATGCC	AATCGTTCTA	GAATTTATCT	.....	550
AOTUS	KVIII5	501	TCAAACCATA	GCTTCATAACC	TATCGTTCTA	GAATTTATCT	.....	550