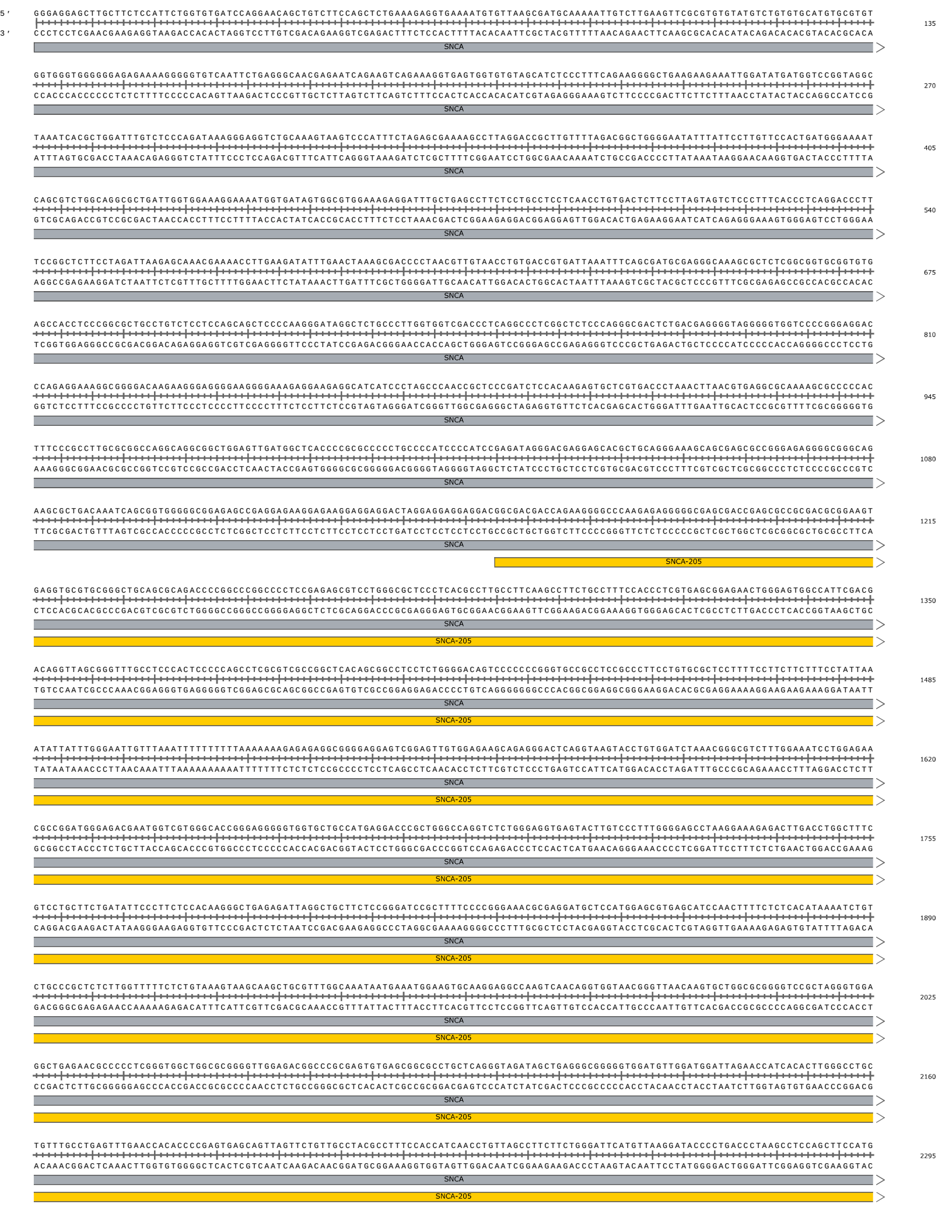


JIPSC1084_SnappeneDNA_INK2S00117R_SNCA_E46K_REVWT
 137,971 bp



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2430

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2565

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2700

SNCA

SNCA-205

1 5 10 15
M D V F M K G L S K A K E G V V A
ENSE0001407446
SNCA-205

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2835

SNCA

SNCA-205

20 25 30 35 40
A A E K T K Q G V A E A A G K T K E G V L Y V
ENSE0001407446
SNCA-205

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2970

SNCA

SNCA-205

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3105

SNCA

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3240

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SNCA-205

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3375

SNCA

SNCA-205

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3510

SNCA

SNCA-205

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3645

SNCA

SNCA-205

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3780

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6885

SNCA

SNCA-205

SNCA-205

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7020

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7155

SNCA

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7290

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7425

SNCA

SNCA-205

SNCA-205

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7560

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7830

SNCA

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7965

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8100

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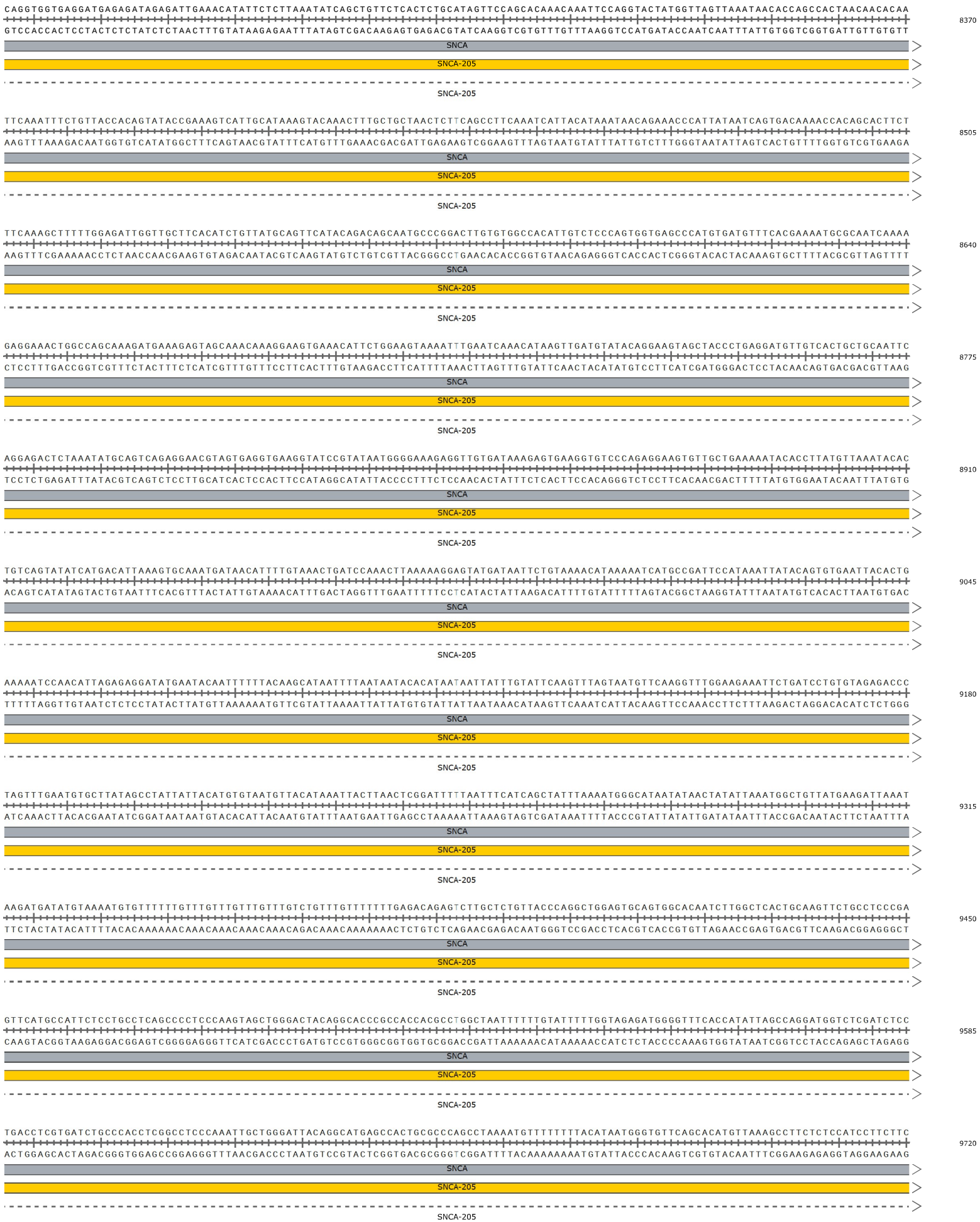
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8235

SNCA

SNCA-205

SNCA-205



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9855

SNCA

SNCA-205

SNCA-205

PCR Reverse
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9990

SNCA

SNCA-205

SNCA-205

Donor Template SNV -> REV
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10,125

SNCA

SNCA-205

SNCA-205

Donor Template SNV -> REV

Donor Template SNV -> REV
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10,260

SNCA

SNCA-205

SNCA-205

G S K T K E G V V H G V A T
ENSE0000970012

Donor Template SNV -> REV

PAM
Protospacer Sequence

SNV
TCCCTCACACGTACCA
gRNA Protospacer

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10,395

SNCA

SNCA-205

SNCA-205

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PCR Forward

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Sanger Sequencing Primer

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10,530

SNCA

SNCA-205

SNCA-205

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10,665

SNCA

SNCA-205

SNCA-205

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10,800

SNCA

SNCA-205

SNCA-205

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10,935

SNCA

SNCA-205

SNCA-205

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12,555

SNCA

SNCA-205

SNCA-205

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12,690

SNCA

SNCA-205

SNCA-205

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12,825

SNCA

SNCA-205

SNCA-205

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12,960

SNCA

SNCA-205

SNCA-205

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13,095

SNCA

SNCA-205

SNCA-205

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13,230

SNCA

SNCA-205

SNCA-205

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13,365

SNCA

SNCA-205

SNCA-205

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13,500

SNCA

SNCA-205

SNCA-205

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13,635

SNCA

SNCA-205

SNCA-205

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13,770

SNCA

SNCA-205

SNCA-205

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13,905

SNCA

SNCA-205

SNCA-205

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15,525

SNCA

SNCA-205

SNCA-205

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15,660

SNCA

SNCA-205

SNCA-205

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15,795

SNCA

SNCA-205

SNCA-205

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15,930

SNCA

SNCA-205

SNCA-205

55
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16,065

SNCA

SNCA-205

A E K T K E Q V T N V G A V V T G V T A V A Q K T V E G A G S I A A A T G F V K K D Q L
ENSE0000970013

SNCA-205

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16,200

SNCA

SNCA-205

G K
ENSE...

SNCA-205

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16,335

SNCA

SNCA-205

SNCA-205

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16,470

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SNCA-205

SNCA-205

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16,605

SNCA

SNCA-205

SNCA-205

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16,740

SNCA

SNCA-205

SNCA-205

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16,875

SNCA

SNCA-205

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AC TTC T A T T T A T T T T A A T T T T A A A G C A G A A A T C T A A G T G A T G T G A C A A A A T T A A T C A T T T G G A G A T A T T T C C C T T A T A G G T A G T A T A G T T T C T T A C T G A T T T C T A A T A T G A A A A T G A A G C C A T A G A A C C T A G A A
T G A A G A T A A A T A A A A T T A A A A T T C G T C T T T A G A T T C A C T A C A C T G T T T A A T T A G T A A A C C T C T A T A A A G G G A A T A T C C A T C A T A T C A A A G A A T G A C T A A A G A T T A C T T T T A C T T C G G T A T C T T G G A T C T T

18,495

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A T T G C A G C A T A G T T G T G G A A A T A A A C A T T G G A C T G A G A G T G A A A A T G G C T A G T C T T C C T C T G C T C A T A C A C C A C C T G A C T G G A T A A C C T T T C G C A G A T C T C C T A A A A G T C T T T C T C A T A A A A T G A G G A A G C T C
T A A C G T C G T A T C A A C A C C T T T A T T T G T A A C C T G A C T C T A C T T T T A C C G A T C A G A A G G A G A C A G A T A T G T G G T G G A C T G A C C T A T T G G A A A G C G T C T A G A G A T T T T C A G A A A A G A T T T T A C T C C T T C G A G

18,630

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T A C T A G A A A A T T G T T G A A G T C T A A T T A G C A A T A A A G T T C T G A G T T T C T A T A A T A A T T C A A A G A A T A C T C T A A T A A A T G T C G C A A T T G T G G T C A C A T C T A T G G G A T G C T A A A A A T C T G G A T G G T T T C A A T G A A
A T G A T C T T T A A C A A C T T C A G A T T A A A T C G T T A T T C A A G A C T C A A A G A T A T T A T T A A G T T C T T A T G A G A T T A T T T A C A G A C G T T A A C A C C A G T G T A G A T A C C T A C G A T T T T T A G A C C T A C C A A A G T T A C T T

18,765

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A G T A T T T A A T T T G T T C A T T A T G A A C T T T G A A A T A A T T T A T T C A T T T T T A A A C T T T G A T C A A A T G A C C C T G G T A A A T A G A A A T A A G C A A A C T C T T T T G C T T G A A A T G C T T A T T A A T G A C T G C A T T G A G A C A C
T C A T A A A T A A A C A A G T A A C T T G A A A C T T T A T T A A A T A A A G T A A A A A T T G A A A C T A G T T T A C T G G G A C C A T T A T C T T A T T C G T T T G A G A A A A C G A A C T T A C G A A T A A T T A C T G A C G T A A C T C T G T G

18,900

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T C A T T C A T C A T T C A A G A A A G A A T G T T T G C T C A C A C T G T G C C A G A A A C T T G G A G G A A G G G A T G T G A C A A G T A G G G T A C T G G A T G T C T A G C T T G T A G A A G T G G A T T A A T G G C T C G C T T T A A G A T C A G G A A C A
A G T A A G T A G T A A A G T C T T T C T T A C A A A C A G A T G T G A C A C G G T C T T T G A A C C T C C T T C C C T A C A C T G T T C A T C C C A T G A C C T A C A G A T C G A A C A T C T T C A C C T A A T T A C C G A G A C G A A A A T T C T A G T C C T T G T

19,035

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C T G A A A G G G A G T A A T G G C A C C G G T T T T C A C C T T T C A T G C C C T T T G A G G G T A T C T G G T C C A T C A C C C T C T A G T T G A T G A G G G A G G G A A A G T T C C C T C T C C C T T C A C A A A T A G G T G G A A A T T A A A T G A C A T A A T T C T
G A C T T T C C C T C A T T A C C G T G C C A A A A G T G G A A A G T A C G G A A A C T C C C A T A G A C C A G G T A G T G G G A G A T C A A C T A C C C T C C C T T T C A A G G G A G A G G G A A G T T T A T C C A C C T T T A A T T T A C T G T A T T A A G A

19,170

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G A A C A C C A A T A A A T C G A G A G T A A A T C A A A G C A G A T A C C T G T T T T G T T A A T T G A T C A T A G A A T G A G T G C C C T T A G T A A T A A T T C T A A G T A T A A G A C T A G T T A A A G G A C A A A T G A G T T A T C T T G A A T T A T A
C T T G T T G G T A T T T A G C T C A T T T A G T T T C G T C T A T G G A C A A A A C A A T T A A A C T A G T A C T T A C A T C G A C G G G A A T C A T T A T T A A A G A T T C A T T T C T G A T C A A T T C C T G T T T A C T C A A T A G A A C T T A A T A T

19,305

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A G A T T T T G T T T T A C A G A A C A A T A T T A A C T C T T G T T T A G T A C A T T A G A A T A A T A G A T C T T T T G A T C C A T A T T T T A C T C A T G T G C A C A T A A G A A G T T A T C A G T C A T A C A A T T C A T T T C T T G A A G T T C A C A C C T T
T C T A A A C A A A A T G T C T T G T T A T A A T T G A G A A C A C A A A T C A T G T A A T C T T A T T A T C T A G A A A C T A G G T A T A A A A A T G A G T A C A C G T G A T T C T T C A A T A G T C A G T A T G T T A A G T A A A G A A C T T C A A G T A T G G A A

19,440

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T C A T T G G C A G A G T A G A A A C A G G T T A A A A G T G C A C A G G C A G A A A T T T A A G T G C A A A G C A A C A G T G A T G T T A T A T A G A G A A A A T T T A T A T T C C T A C T T C A T T G A A G A A G A A A G A T C T G C T T G T T C T A A G A A T A T
A G T A A C C G T C T A C T T T G T C C A A T T T C A C G T G C C G T C T T A A A A T T C A C G T T C G T T G T C A C T A C A A T A T C T C T T T A A A T A T A A A G G A T G A A G A T A A C T T C T T C T T C T A G A C G A A C A A G A T T C T T A T A

19,575

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T G T A C A A A G A A A G T G A C T T G A A T C A G C G T T A T T C T G T A A T G C T A C T A T G C G T G C A G T G G G A G T A G C C A C T A G A A C A C T T G G T C T A T C C C A G C T C C T C A A C A G T G T C T T G C T T G T G G C T G G T G C T C A A A T A A A T C
A C A T G T T T C T T C A C T G A A C T T A G T C G C A A T A A G A C A T T A C G A T G A T A C G C A C G T C A C A C C T C A T C G G T G A T C T T G T G A A C C A G A T A G G G T C G A G G A G T T G T C A C A G A A C G A A C C A C C G A C C A C G A G T T A T T T A G

19,710

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C T T G C T G A A C T A A T G A C A T C T C T T T C A T G C C A C A T G G A A T G C T C T A A A A G A G T T G G A T C C T G A A G T T T T A T A T T T T G T A A T T T C T G G A G T T T T A G A G A C A A A A G T C C T G A A T A A A C T G T G A A G C C A C T G C
G A A C G A C T T G A T T A C T C G T A G A G A A A G T A C G G T G T A C C T T A C G A G A T T T C T A A C C T A G G A C T T C A A A A A T A T A A A A C A T T A A A A G A C C T C A A A A T C T C T C G T T T T C A G G A C T T A T T T G A C A C T T C G G T G A C G

19,845

SNCA

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CTGACAAATAACAGCAGTCAGCTTCGTTATCATATCCCATTGAGACACGACTTATCTACATGATGATTAATAGTTTTACGCAAGAAATAAGCTTGAAATGTCTGTTGCCCTTGGATACTTAAACATCCAGGT
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19,980

SNCA

SNCA-205

SNCA-205

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20,115

SNCA

SNCA-205

SNCA-205

TGTAATAATCCTGACTTAATTCATAAAAAGGATAGCTAGCCAGTTGTGTGCTAGATGAATAAAAAAAGCAGGTTTTAAATGTGAGGTTTGACATTGTGAATATAAATCTAAGTATCCTTTACTCATTTCCT
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20,250

SNCA

SNCA-205

SNCA-205

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20,385

SNCA

SNCA-205

SNCA-205

CAAAACAAGCACAGGTCACAGGCAACATTTAGATTTCTTTGAAGAAGCACACACAGGTCACAGGCATAATCTTAAATAATTTTATAACAAGGTAGTAATAAGAGATGTCAGGACTGGAGAAATTTTTAATTTA
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20,520

SNCA

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20,655

SNCA

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20,790

SNCA

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SNCA-205

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20,925

SNCA

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SNCA-205

CAAAATTTCACTGGGTTCAAGATGGATGAATAGTGAATCTAATGACCCTAATCCTGTAAGGTTCTAGGTGGGAAAGTACTCTGTAATATGTATAAAATATAAGGAAAATAGGCTTACTGCTATGTTTCAT
GTTTAAAGTGACCAAGTTCTACCTACTTATCACTTAAGATTACTGGGAATTAGGACATTCAGATCCACCCTTTCATGAGACATTAATACATATTTAATATCTTTTTATCCGAATGACGATACAAAAGTA

21,060

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SNCA-205

TAAAAATCATTAACTGAGTACTTAATATGTGCCAGACACTCAGCTGGGACCATTGAGAAATACAAAACCTGAGTAAACATATGGGTGGCTCCTGCCTTCAAGAAATGGGCAAGTTACGGCCGGGAGACTGACATATTT
ATTTTTAGTAATGACTCATGAATATACACGGTCTGTGAGTCGACCCGGTACTCTTTATGTTTACTCATGTATACCCACCGAGGACGGAAAGTCTTTACCCGTCAAGTCCGGCCCTCTGACTGTATAAA

21,195

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ACCCTGGGAAAAAGGGAGCAGCTGTGGTCTCTGAGAACAATATGGTTTGTACAAGTATATCCATCATGGAAAAAAGAGATTATCTTAGAAATGAGAGAGGCTGATGCTCTCAATAAATATCATACATTA
TGGGACCTTTTTCCCTCGTGCACACAGAGACTCTGTTATACCAACAATGTTTCATATAGGTAAGTACCTTTTTTCTCTAAATAGAATCTTTACTCTCAGGACTACGAGAGTTATTTATAGTATGTAAT

21,330

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ATTGTTGTTTTGTTCAGTAGACTGAAATTACCTCACATACACGCACAGATAGTAGCCATGATATTTTGGCTTAGATATAGAGACAAATCTTCCACCCAAATCTTAGGATCAGTGGTTAATAGTCTGTAAGCA
TAAACAAAAACAGTCTACTGACTTTAATGGAGTGTATGTGCGTGTCTATCATCGGTAATAAAATCGACGAATCTATATCTCTGTTTATGAAGGTGGGTTTAGAATCCTAGTCAACCAATATCAGACATTCGT

21,465

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TTCAATCCCAACATATGCATGACTATACATCCAATTTAATATTCAAAGAACTGATTGCGATGATGTTTTGTTTGTCAAAGAAATGTATTATAGGATGAGTGGGATAGAAGTGCATCAGTTTACACCAACA
AATGTTAGGGTGTGATACGTACTGATATGTAGGTTAAATTTAAGTTTCTTGACTAACGCTACTATCAAACAAACAGTTTCTTTACATAATATCCTACTCACCCCTATCTTGACGTAGTGAATGTGGTTGT

21,600

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AATAGGTTTAAATCATATTTGTGCACTTCCCTTGTTCCTTCATAAATGTTTAAACATAGCTTAAATTTCTGTGGACTGCAACGTGAGAGCAATGACCACACTTCTGTGAACCCATTTTTACTGTGCATGTGCTAAC
TTATCCAAATTTAGTATAAACACGTGAAGGGAACAAGGAAGTATTTACAAATTTGATCGAATTTTAAAGACCTGACGTTGCACTCTCGTTACTGGTGTGAAGACACTTGGTAAAAATGACACGTACACGATTG

21,735

SNCA

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CAGATAACATCAT AAGGAAGTGAACGTTCTACCGTACTATTA AACGACCAAAGTAAATACTCTATGACAATTTACATCCTACTGAAGTTTGAATCAACATAACATTTTAA TAAAAATTAACATATGTAATTT

21,870

SNCA

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SNCA-205

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CAACATGTCGTA CAAAACCTCTATGAATAGAAATAAATATATATATATATATATGTTGTCATATATTTTCAC TAAGGATGTAACCTCGTTTAA TTTGATGGGTAGTAGTATACCAATAGAAACGAAAAAATG

22,005

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TATCAGTGCCTAAAATCTACTTTCTGAAAAATACCAGTATGCATACAATATTTAACAATAATCTTCATGTTGTACATTAGATCTTTAGACTTACTCATCTTACATGACTTAGGTTTGTTTTTACCTCTAC
ATAGTCACGGATTTAGATGAAAGAACTTTTAA TGGTCATACGTGATGTTATAATAATGTTATAGAAAGTACAACATGTAATCTAGAAATCTGAATGAGTAGAATGACTGAATCCAACAAAAATGGAGATG

22,140

SNCA

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SNCA-205

TACCATCTGAGCCATATTTCCACTTTGTAATTTGATAATAAACTTGGAAAAATAGCACTTATATGTTTAGGTGACGGGCATAAATAGGATAAGATGTGTTTATATATTTCCATATATCTTGCTCCAACCTACA
ATGGTAGACTCGGTATAAAGGTGAACATTAAACTATTATTTGAACCTTTTATCGTGAATATACA AATCCACTGCCGATTTTATCTATTCTACACA AATATAATAAGGTATATAGAACAGAGGTTGATGT

22,275

SNCA

SNCA-205

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ATGATAAACACCTGTTTGTCCCTAAAAAGTAAGAAATAACTTGACTTTTCTGCCCTTCAAGCATAGGCTGTAGCTTTTTAAGTTTTAGGGAGACATTGATGATGCTATTTGCTTTTATCAAGAGGAAATGTCA
TACTATTTGTTGGACAAACAGGGATTTTTCATTCTTTATTTGAAC TGAAGACGGGGAAGTTCTGATCCGACAATCGAAAAATCAAATCCCTCTGTAAC TACTACGATAAACGAAATAGTTCTCTTTAACAGT

22,410

SNCA

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AAAGAGGTCCTTTGGTTCTCAAAC TATTC AAAGTATTTAAAAATCAGGACAAAAATAGTTTACGTGATTTCAAGGGTACAGAAATGAGGTAATGAGATGCCAATTTGATTTGTCATGCAAAATATAAATTACG
TTTCTCCAGAAAACCAAGAGTTTGATAAGTTTCATAAATTTTAGTCCTGTTTATACAAATGCATATAAGTTCCCATGCTTTACTCCATTTACTCTACGGTTAACATAACAGTACGTTTATATTTAATGC

22,545

SNCA

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TGTATGAGAGTTAGATGATACATCTCATCAATTTAATTTGTTCTTCTACAAGGAGAAAAATGAACAATTTGTCAACTCGTATATGAAGTAATTTTTATAAGAAATTTTTATAAAAC TTTTAAACAATTTGGATTTT
ACATACTCTCAATCTACTATGTAGAGTAGTTAAATTAACAAGAAAGATGTTCTCTTTACTTGT TAAAACAGTTGAGCATATACTTCATTAAAAATATTCTTTAAAAATATTTGAAAAATGTTGTA AACCTAAAA

22,680

SNCA

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22,815

SNCA

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SNCA-205

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TTAATACGAACAACCTTATTTATCTAATAAATAAAGTTCATTACCTTTTTTACCTTTATTTCTTGCTATATATAAAATAGAAAGACGAATCTACACCTGACAGGATGAAAAGAGACCACAAGTGTGTTGTT

22,950

SNCA

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SNCA-205

TATGATAAATCTAATTGGAATTCAGTTCATAGGAATGAATTCAGTTACATTATGGATTGTGATGAATAATGTACACTTTTAAATTTAATGAATCAAATAGATTTTAACTATCTATGCTTACAATGGGGTGACATA
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23,085

SNCA

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SNCA-205

AGTCTGACAATCCTTAATATCAAGTCATCTCCAATTCACATGTATACACACTTTTTTCTATTTGGCTATTGGGAATCCTCACAAAAATCGAAAATTTGCCCTTTTCAGTGTACGTTACGGTATTTTCATGCCACACA
TCAGACTGTTAGGAATTATAGTTCAAGTAGAGTTAAGTGTACATATGTTGAAAAAAGATAAACCGATAACCCCTTAGGAGTGTTTTAGCTTTAACGGGAAAGTCACATGCAATGCCATAAAGTACGGTGTG

23,220

SNCA

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SNCA-205

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23,355

SNCA

SNCA-205

SNCA-205

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23,490

SNCA

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SNCA-205

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23,625

SNCA

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SNCA-205

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23,760

SNCA

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SNCA-205

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23,895

SNCA

SNCA-205

SNCA-205

GCAACTCATGTAACCTTTCTAAACCATAGCTACTCATCTGTAACCTGGCCAGCCAACCTGCCAGGGTTGGAGTGTGAATGAAATAAGATAATGCAGACAAAAGATTTTAAAAATTTAGTGCATTATACAGTTGT
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24,030

SNCA

SNCA-205

SNCA-205

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24,165

SNCA

SNCA-205

SNCA-205

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24,300

SNCA

SNCA-205

SNCA-205

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24,435

SNCA

SNCA-205

SNCA-205

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24,570

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24,705

SNCA

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24,840

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24,975

SNCA

SNCA-205

SNCA-205

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25,110

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SNCA-205

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25,245

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25,380

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SNCA-205

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25,515

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25,650

SNCA

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25,920

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26,055

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26,190

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26,325

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26,460

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26,595

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SNCA-205

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26,730

SNCA

SNCA-205

SNCA-205

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26,865

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27,000

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27,135

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27,270

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SNCA-205

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27,405

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27,540

SNCA

SNCA-205

SNCA-205

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27,675

SNCA

SNCA-205

SNCA-205

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27,810

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27,945

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28,080

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28,350

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28,485

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28,620

SNCA

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28,755

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30,375

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SNCA-205

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30,510

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30,645

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30,780

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30,915

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31,050

SNCA

SNCA-205

SNCA-205

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31,185

SNCA

SNCA-205

SNCA-205

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31,320

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SNCA-205

SNCA-205

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31,455

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31,590

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31,725

SNCA

SNCA-205

SNCA-205

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31,860

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31,995

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32,130

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32,265

SNCA

SNCA-205

SNCA-205

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32,400

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SNCA-205

SNCA-205

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32,535

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SNCA-205

SNCA-205

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32,670

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SNCA-205

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32,805

SNCA

SNCA-205

SNCA-205

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32,940

SNCA

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SNCA-205

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33,075

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SNCA-205

SNCA-205

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33,210

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33,345

SNCA

SNCA-205

SNCA-205

GCAAGGTGTGATGGAGATCACATGGGATAATTGTGGTCCAGAGCCTGGCACAAGGGCTTAATATTTATAATCCTCCCATTTCTCCGTATACTCTAAAGGAAGTTTATTGCTTATCAAATTTGCGCGTGGTT
CGTTCCACACTACCTCTAGTGTACCTATTAAACACCAGGGTCTCGGACCGTGTTCCTCCGAATTTATAAATATTAGGAGGGGTAAAGAGGCATATGAGATTTTCCTTCAAATAACGAATAGTTTAAACACGGCACCAA

33,380

SNCA

SNCA-205

SNCA-205

AGTTGTACAGCTTCCCTGCCAAATTTGTAACCTCCAACACTAATGTGACGTTACATTTTATATAGTGTATGATTTTCAAATTTGTTTGCATAATTTCAAATACACAGTAAATTTGCTTTTATTAGTATAATTATTG
TCAACATGTCGAAGGGACGGTTTAAACATTTGAGGTTGTGATTACACTGCAATGTAAAATATATCAGGATACTAAAAGTTTAAACAACGTATTAAGTTTATGTGTCAATTAACGAAAAATAATCATATTAATAAC

33,615

SNCA

SNCA-205

SNCA-205

CTATTGTCAATATTATTATTACAACAGCTTCACAGTAAGATGGGCAGAAAAAATTTAATTTCCATTTTACAATGCACTTTTGAAGGCTCACAGAAGTCAAATAGACCAAAGTCAAGGGCTAGTGAGGGACCCA
GATAACAGTTATAATAAATGTTGTGCGAAGTGTCTTCTACCCGCTTTTTTAAATTAAGGTAATAATGTTTACGTGAAACTCCGAGTGTCTTCAGTTTATCTGGTTTCAAGTGTCCCGATCACTCCCTGGGT

33,750

SNCA

SNCA-205

SNCA-205

GAAGAAACAAATTTGAATTTCACTGATTCGAAGTTCAGTGGTTGCCTTACTGCATCATAAAGGCTATTACACAATCCAGGTGTATCATATGATTTCTGTCTATATTTACATACATATCAGAAAAAGTGTCTACTC
CTTCTTGTTTAACATTAAGTGACTAAGGTTCAAGTCCACCAACGGAATGACGTAGTATTTCCGATAATGTTTAGGTCCACATAGTATACTAAGAACAGATATATAAGTATGTATAGTCTTTTTCACAAGATGAG

33,885

SNCA

SNCA-205

SNCA-205

AAAAATGCTAGCAATCAACAGATACTGATAGTCATTAGTACTTAAATCTTTATCAAATGAAATATTAATACCCATGAAAGAGAGGACAATGAAAGGTTTGTATCATTGTTATGTGCACAAGTCAACTTTTTTCAAT
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34,020

SNCA

SNCA-205

SNCA-205

CACTCATTATTAGTTTAACTGTAATAAATTTTACATTTAGCGTGAACCTTCTCTGATTTCTCAACATATTTCTCTCGGTAGAAAAGCAAACCTCCAGTTCTCTGTTCTTTGCTTGGATACTTGCCAGTTTGTA
GTGAGTAATAATCAAATGACATTTTTTAATAAATGTAATCGCACTTTGAAAGGACATAAGAGTTGTATAAAGGAAGCCATCTTTTCGTTTGGAGGTCGAAGAGACAAGAAACGAACCTATGAACGGTCAAACAT

34,155

SNCA

SNCA-205

SNCA-205

ACTCAGCTATCAAACAGTAAAGCTCACAAAACACTTATTAAATGACTAAAATCCAAAACACCAAGAGCACAGCATGCTGGTGAGATGTGGAGCAACAAGAACTTTCATTCACTCAATGCTGGCAATACAAA
TGAGTCGATAGTTTGCATTTTCAGTGTGTTTGTGAATAAATTTACTGATTTTGGTTTTGTTGTTCTCGTGTCTACGACCACTCTACACCTCGTTGTTCTTCAAAGTAAAGTAAAGTATTACGACCGTTATGTTT

34,290

SNCA

SNCA-205

SNCA-205

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34,425

SNCA

SNCA-205

SNCA-205

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34,560

SNCA

SNCA-205

SNCA-205

ACACATAAAACCATTAGCTCTCGTGAGAACTCACTCGCTATCATGAGAACAGCATGGGGAAACAGCTCTCATGATCTAGTTACCTCCACCTGGTCTCTCCCTTGACATGTGGGGATTATGGGGATTATAATTCA
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34,695

SNCA

SNCA-205

SNCA-205

TAATAACTTCCACATAGCATTGTGAGACATTTCTGCCTTCTTCAAATTTCAATTAATACATTTTAAACAAATATTTTTGTGAGCCTATTATATAGTCCTTCGCTAGCACTGAGGGAGACATGCTTTGTGACCTT
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36,315

SNCA

SNCA-205

SNCA-205

GGTGATTTACATTCAAATTTCCCTTTACCTACACTCTTCCCTGTTTTTTCATGCCTGTGTAGATTGTAATTTCTTCCCTCAGATTAAGACATTTTATTCACCTTTGTAACATCCACAGTATCTAGCACAAATCAG
CCACTAAAGTGTAAAGTTTAAAGGGAAAGTGGATGTGAGAAGGAACAAAAAGTACGGACACATCTAACATTTAAGAAGGAGTCTAATTTCTGTAATAAAGTGGAAACATTGTAGGTGTCATAGATCGTGTAGTC

36,450

SNCA

SNCA-205

SNCA-205

TGCCTTCAAACAATTGGCCCTCAAGAATTGATTGACTCAATGAGTGACTGAAAGACTAAATTAATAAGTACACATCTATTTGTACTTCCCTGCTTACTTTATAAGGTATGACAATGAAACTACTGAGACAGTTATA
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36,585

SNCA

SNCA-205

SNCA-205

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36,720

SNCA

SNCA-205

SNCA-205

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36,855

SNCA

SNCA-205

SNCA-205

ACAGAGAAAACATCTCAATATTTGGAAATTTGCTTTTCTGTAATACTTTGATATGTACTTACATCATATCAATTTATAACTCCTGCTGAAAACAAACAGTGCACACAAATTTGGTAGTTGGAGGAGACTTTATAA
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36,990

SNCA

SNCA-205

SNCA-205

AGGGACTAATTACGAAGGTTTACACCGGTTAGGAAAAACACACGGAATAGTGCAATACTTTAGGATGGCAACAGCGAGCACCGTTATAACCACTAGGCCAAAATGAACTAAATGAACAGGGAGATTACCATTTA
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37,125

SNCA

SNCA-205

SNCA-205

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37,260

SNCA

SNCA-205

SNCA-205

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37,395

SNCA

SNCA-205

SNCA-205

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37,530

SNCA

SNCA-205

SNCA-205

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37,665

SNCA

SNCA-205

SNCA-205

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37,800

SNCA

SNCA-205

SNCA-205

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37,935

SNCA

SNCA-205

SNCA-205

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38,070

SNCA

SNCA-205

SNCA-205

GCATGCCCTTTCTACCTGGTTGATTTTTATTCTTTTAAATCTCTAATTTATCCCGAAGCACTCTCCATAAAAATTTCTCACAACCTAAATCTTTAATCTATTGTGTGGATTTCTGACTCATTCTCCAAG
CGTACGGGAAAGATGGACCACTAAAAAATAGAAAATATAGAGATTAATAAGGGTCTGTGAGAGGATTTTTGAAAGAGTGTGAAATTTAGAAATAGATAACACACCTAAAGACTGAGTAAGAGGTTT

38,205

SNCA

SNCA-205

SNCA-205

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GAAAAGGAGAAAGGAGGCGTTACGGAATATCAGAAATCTGATAAATAGGAAACGGATGTAAGATCCGGTCTAGAGAACGGACTATGTGTGAGAGTATAAAGAGAAACGTCGCATGTGTAATAAATCTATAG

38,340

SNCA

SNCA-205

SNCA-205

ACACTACTACTTTGATTTCAACAGGCTCAGTAACTTAAATTTTCCCTCAAGCAAGGAGTCCCTTCAATATCAGTTATCACCATTGGCACCAGAAATTTTCTTATGACTTCCCATGACCTACAATATAAACCAT
TGTGATGATGAAACTAAAGTTGTCCAGAGTCAAATGAAATAAAAAGGAAAGTTCGTTCCCTCAGGGAAGTATAGTCAATAGTGGTAACCGTGGTCTTAAAAAGAACTACTGAAAGGTAAGTGGATGTTATTTGGTA

38,475

SNCA

SNCA-205

SNCA-205

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TATTTAGTACTACGGAGGATCAAGGGAGGGAGAGTTTAAATCGGTATTCTACTAAAATCCTAGGAAACAAAAGGTTAGAGAGAAAGTAAAGAGAGGGGTTAGAGAAAGGTAATACTTCCAAACCTATCTGTGT

38,610

SNCA

SNCA-205

SNCA-205

ACTCATGCCATAGATTAGTGAATAGATGCTGAGCCTGTGCAAGGAGTGTGAGTCTCTCCCTGGTTAACTTTAACTGCCACATATATCACTTCCACACGTCATTTTTTTCATTCAAACGATTTTAACTGGCTCTTC
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38,745

SNCA

SNCA-205

SNCA-205

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38,880

SNCA

SNCA-205

SNCA-205

CCAGGAAATTCAGTATCTATCATGTGAATCTCTAATACTGGTTGATCCATTGTCAACAGAGCATAGCAGGCTTCTCCTGCCTTTATGATGTTTGTGCATATAGTTTCATGCCTAAAAATCTTTCTTAAATCTTAA
GGTCCCTTAAAGTCAATAGATAGTACACTTAAGAGATTATGACCAACTAGGTAAACAGTGGTCTCGTATCGTCCGAAAGAGGACGGAAATACATACAACAGTATATCAAGTACGGATTTTAAAGAAAGAAATTTAGAATT

39,015

SNCA

SNCA-205

SNCA-205

ATTCCTAAGATACACACTTTTGCCTCAAGATCACAGTAATCTCTGCCATAATCTCTGCTGGAATCTGTTCACTGTGTTGCTCCTGCTAAACTCTTACAGATGACTTTTTTCTTTTGGTTTCCCTGGTATCTAG
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39,150

SNCA

SNCA-205

SNCA-205

TATAAATTTCTTATATAGGTACTCAATAAATGTTTCCTGTTGATCTCTACACCTACTCTGTACAATACCATAGTGACTAGACACATGTTGCTATCAAGCATTTCAAAGTAGCTAGCCTGAGTTGAGATATAGGGG
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39,285

SNCA

SNCA-205

SNCA-205

TAAATACACAACAGATTTCAAGACATATTATGAAAAAACCCATAAAATTTCTCAGTAATTTTTTATAGATTACATGTAGAACTATAACATTTTGAATAAGTTGTATCAAAATAAAATATAAAATTCACCCGG
ATTTTATGTTGTCTAAAGTTCTGTATAACTTTTTTGGGATTTTAAAGAGTCAATAAAAAATATCTAATGTACATCTTGTATTTGTAACACTTATTCACACATAGTTTATTTTATTTTTAAGTGGGCC

39,420

SNCA

SNCA-205

SNCA-205

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39,555

SNCA

SNCA-205

SNCA-205

GATGGTTTTGAATGAGATCCAACACAAATGTGTGAATCTCCTTAAACATATGAAATTTTTGTTGTTGTTTTGTTTTTCTCATCAGCTATCATGAGTGTAGTGTATTTATGCATGGCTCAAGACAA
CTACCAAACTTACTCTAGTTGTGTTTACACACTTGAAGGAATTTGTAATCTTAAAAACAAACAAACAAACAAACAAACAAACAAAGAGTAGTCGATAGTACTCACAAATCACATAAAATACGTACCGAGTTCTGTT

39,690

SNCA

SNCA-205

SNCA-205

TTAATCTTCTTCAAATATGCCCAGGGAAGCCAAAAGACTGGACAACCTGCTTTAGATAGTAAAGCATATGAGTAGTTAATGTGACTATAAGCAGTGTGATCTGATAGACTATTTAATGTTGTTGATGGTA
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39,825

SNCA

SNCA-205

SNCA-205

CATTATTCAGTTCGATTATATGTCTACCTATGCAGTTTAAACGACGGTAATGAGAGAGGGCAGCTTGATTACAGTCTTATCTTTGACTAACTTGTAGGCCACCTGAGAAGGACCCAAATATCTGAATGCTT
GTAATAAGTTCAGCTAATAATACAGATGGATACGTCAAATGCTGCCATTACTCTCTCCGTCGAACTAATGTCAGAAATAGAAAACGATTGAACGATCCGGTGGACTCTTCTCGGGTTAATAGACTTACGAA

39,960

SNCA

SNCA-205

SNCA-205

AACTCAACTAATTTGTATTCACCTTGAAGAATTTCAAGGATGTTTATATGCCATCAACTTGCTTTAAATTTTTCTCTCAGTGAATTTTTCTTAAATGAGTATGTGGTATTCAAATTTATCCTTGTCTTCTAT
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40,095

SNCA

SNCA-205

SNCA-205

GATTATCTTTTATAGCACTGTGGTTCCAGGAACCTTTTTTTTTTGGAGATGCATTCTACATGTAACCTATTGCACAGTTTGCATGTAGTAAGGTTCAATATCTTCTACTTTTTCCAACACCTGGCATGTTTAC
CTAATAGAAAAGTATCGTGACACCAAAGGTCCTTGGAAAAAAAACCTTACGTAAGATGTACATTTGATAACGTGTCAAACGTACATCATTCCAAGTAATAAGAAGATGAAAAGGTTTGTGGACCGTACAATG

40,230

SNCA

SNCA-205

SNCA-205

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40,365

SNCA

SNCA-205

SNCA-205

GGAGTTAAGAGCATAGATTTAAAGTCAGAAAACCTGTGCTGCCTACTTGTGCAAAGTCACTTACATGCTGACTTCTGTTTCTTCACTGTAAGTTCTACCCCTAGGATTTTACTTAAAGATTAAAGGACATAT
CCTCAATTCCTGATCTAAATTTCACTTTTGGACACGACGGATGAACACGTTTCAGTGAATGTACGACATGAAGACAAAAGAGTAGACATCAAGATGGGGATCCATAAATGAATTTCAATTTACCTTCGTATA

40,500

SNCA

SNCA-205

SNCA-205

GTTCATACAATGACTTGTACAGAATTTCCAGATAGCATTACTCTTAATAGCTCAACTGGTAACACACAATAATCAATCAACAATTTGCTGTATTTCATACAGCAGAATACTACTTAGCAACAAAAATGGAA
CAAGTATGTTACTGAACATGCTTAAATAGTGTATCGTAATGAGAATTTACGAGATTGACCATTTGTTGTTTATTAGTTAGTTGTTAACACGACATAAGTATGTCGCTTATGATGAATCGTTGTTTTTACCTT

40,635

SNCA

SNCA-205

SNCA-205

TGGACTACTGATAAACC... 40,770

SNCA

SNCA-205

SNCA-205

CTGGAGGTAGAGGCATCAGTT... 40,905

SNCA

SNCA-205

SNCA-205

AGGAAAAACACAAATGTAGTT... 41,040

SNCA

SNCA-205

SNCA-205

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SNCA

SNCA-205

SNCA-205

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SNCA

SNCA-205

SNCA-205

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SNCA

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SNCA-205

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SNCA

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SNCA

SNCA-205

SNCA-205

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SNCA

SNCA-205

SNCA-205

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SNCA

SNCA-205

SNCA-205

TATTTCTGGAATTCATCT... 42,120

SNCA

SNCA-205

SNCA-205

TCAAAGCGATTCTCCTAGTTCAAGCCTCCTGAGTAGCTGGGATTACAGGCCATCTGCCACCACGCGCTGGTAAATTTTTGTATTTTCAGTAGAGATGGGGTTTTGCCATGTTGGCCAGGCTGATCTCGAACTCCTGACC
AGTTCGCTAAGAGGATCAAGTCGGAGGACTCATCGACCCCTAATGTCCTGAGACGGTGGTGCAGGACCAATTAATAACATAAAAGTCATCTCTACCCAAAGCGGTACAACCGGTCCGACTAGAGCTTGAGGACTGG

42,255

SNCA

SNCA-205

SNCA-205

TCAGGTGATCCACCCGCGTCAGCCTCCCAAAGTGTGGAATTACAGGTGTGAGCCACTGCTTCCAGCCCAAAATATCTTAAGTAGATAAATGACAGACTAATCTCTGCTTTTCTCTCCAGCAGCCTTCCAAATT
AGTCCACTAGGTGGGCGCAGTCGGAGGTTTCACGACCTTAATGTCCACACTCGGTGACGAAGTCTGGGTTTTATAGAATTCATCTATTAACTGCTGATTAGAGACGAAAAGAGAGGGTCTCGGAAGGTTTAA

42,390

SNCA

SNCA-205

SNCA-205

CATGCTCACAGCTGACAGAGTTGTTCTGCCTTCAGATTCATGACCTGGCTCTGTGTTCTAGCTCAGGCTTTCTCTCATATCACCTCTTGCTCTCTGTTGCCCCATATTTCCCTCTGGTTGGTTGGTG
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42,525

SNCA

SNCA-205

SNCA-205

CTCCTTTGGAACCTCTGCATATCTTTCAAGAATATTGACTTATTATGCTATAAACCCTTGTGTTAATTATTTTCAAATTTGACAGGGAACCTTCCGAAAGCAGGTATTGTGCTTTCTCATTTAAAA
GAGGAAACCTTGGAGACGTATAGAAAAGTCTTATAACTGAAATAACGGATATTTGAAACAAATTAATAAATAAGATTTTAAACTGTCCCTTGAAAGGCTTCCGCTCCATAACACAGAAAAGATAAATTTT

42,660

SNCA

SNCA-205

SNCA-205

GCAAATTCGCTGGCATGGTGGCTCATGCCTGTAATCCACACTTTGGGAGGCTAAGGTGGACAGATCACTTGAGCCTAGGAGTTCATGACCAGCCTGGGCAACACAGTTAGACCAAAAAAAAAATATATACG
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42,795

SNCA

SNCA-205

SNCA-205

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42,930

SNCA

SNCA-205

SNCA-205

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43,065

SNCA

SNCA-205

SNCA-205

TTTTGTTTTAATAGTTTTAACAAAGAGTAAAAGTTATGATCTTTTTATATGTAATAAATAATGCGGGGTTTGACATAAATTTAGGAAAACCTAGAGACGCTACTTCTCAAAAAATTTCTTTCTATAATCTT
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43,200

SNCA

SNCA-205

SNCA-205

CCTAAATATTTTCCATAAAGTACAAAATAATAGAAAAAATTAAGAGATTGAGTATCCTTTTCAGGAAGTGATATGACAAATAGGGTTCGAGAACATTTGAATTCTCACACTTTTCATAAGGGCAGATCTCAA
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43,335

SNCA

SNCA-205

SNCA-205

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CAATTTAAAAAGATAGCTTAAATTTACTGAAAGTGACCTTATGGTAATGCTTTTCGAAAGACAAAATCTACCGTTATACCTCAAAGAAAAGAACCTTATAATTAACCTTCTCAGAAATAAAAAATTCAGA

43,470

SNCA

SNCA-205

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43,875

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44,010

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44,280

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44,550

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44,955

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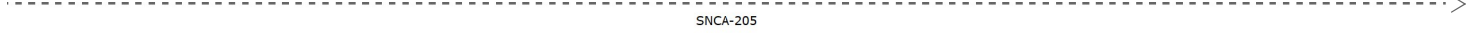
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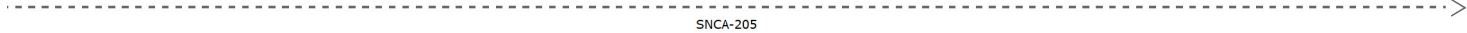
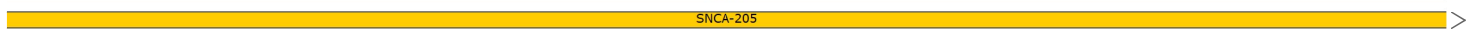
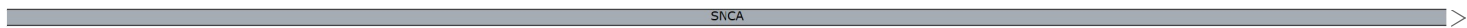
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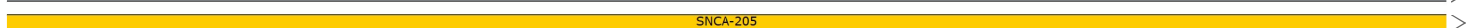
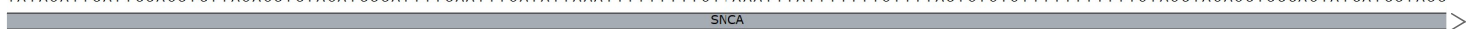
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46,845



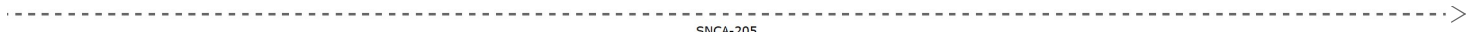
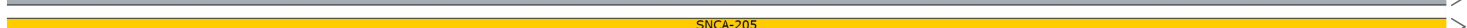
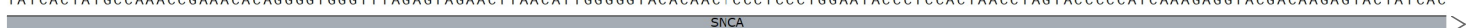
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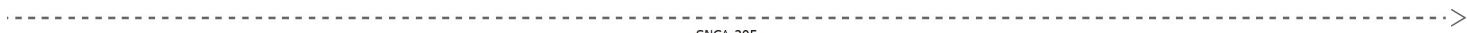
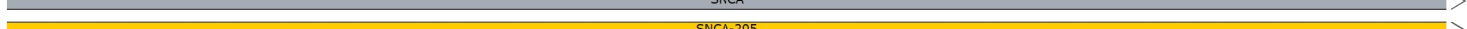
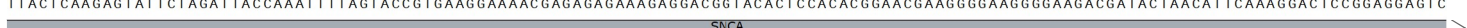
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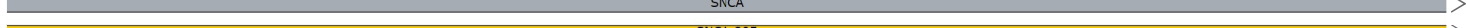
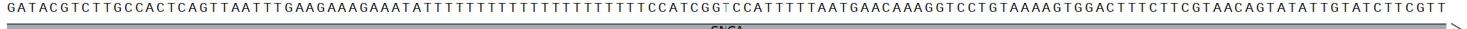
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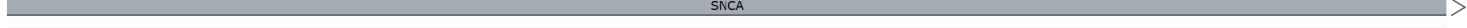
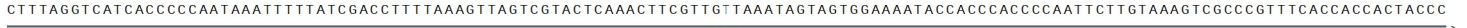
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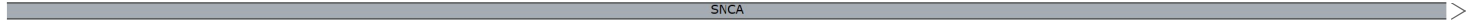
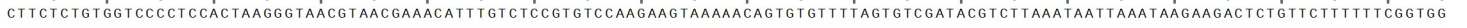
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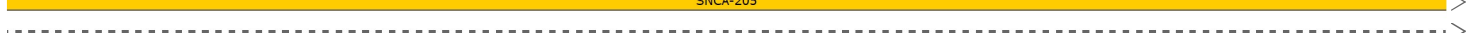
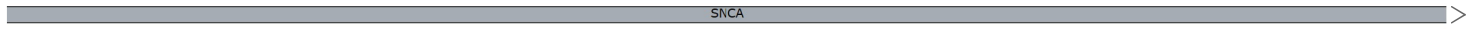
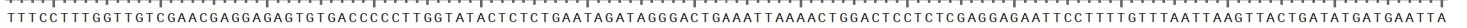
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47,655



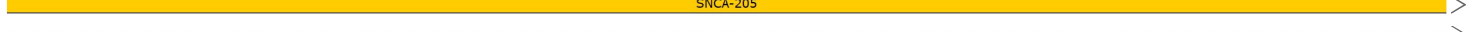
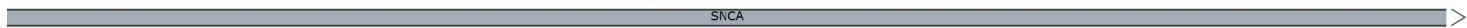
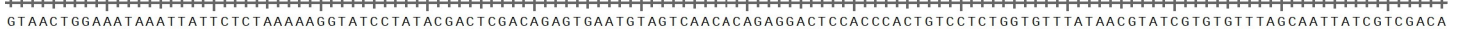
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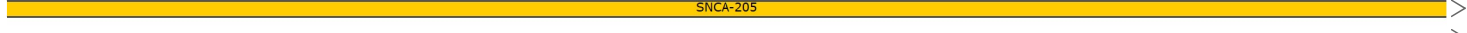
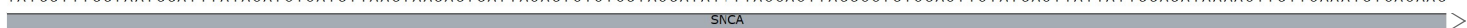
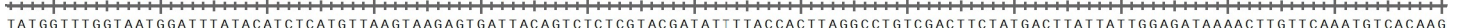
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48,195

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49,545

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50,760

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SNCA-205

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50,895

SNCA

SNCA-205

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51,030

SNCA

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51,165

SNCA

SNCA-205

SNCA-205

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51,300

SNCA

SNCA-205

SNCA-205

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51,435

SNCA

SNCA-205

SNCA-205

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51,570

SNCA

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51,705

SNCA

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CTCACTCTGCTTTGGCTTGTCCCTAACCTCTTAACAGACTTAATATTAAGCTCCATTTCACTCAGTCGTTCTGTTGTGCATATAAATGAGACATTTTACAAGCATAGTTTTAGTTTCTGCCAGAGCATCATACA
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51,840

SNCA

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SNCA-205

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51,975

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52,110

SNCA

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52,245

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52,380

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52,515

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T CCT G A A A A A T G C A T A T A A A G T C A C T A A G T T A G C A G A A C T T T A T A A A A T T A T A A C T A T A T A T A A T C T T T T T G A T A T C A G T G A A G C C A G C T G A T C C T A T A G A A A T A A T G T A G G A A T T A T A A T C A C T A G C A C A T A A A G G A C T T T T T A C G T A T A T T C A G T G A T T C A A T C G T C T T G A A A T A T T T T A A T A T A T T G A T A T A T A T A G A A A A C T A T A G T C A C T T C G G T C G A C T A G G A T A T C T T T A T T A C A T C C T T A A T A T T A G T G A T C G T G T A T T

52,650

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T T T A A G A G T C C T G G G T C T T A T T C A T G T T A T T A C C C T C T C T G A A T C T T A C A T A T A G T A A G A G G G T T A T T A T A C A T A A T A T G T G T A C A T G T A T A C A G G T A A G T A A G T A T A T G C T T A T G T G T A A A A G C A G A G T T A A A T T C T C A G G A C C C A G A A T A A G T A C A A T A A A T G G G A G A G A C T T A G A A T G T A T A T C A T T C T C C A A T A A T A T G T A T T A T A C A C A T G T A C A T A T G T C C A T T C A T T C A T A T A T A C G A A T A C A C A T T T T C G T C T C A A

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A T T G T G A G A G T C A A A T G G A A A T G T G A A A G T A C T T T G T A G T T T T A T T A C T A T T A T A A T T T T A A T A A A A T G G T A A C A T T C A T T T A A T A A T C A T T A G T T T T A A C T T C A G A T T G T A C T G G A T T T C C T C T A G T A T T T A A C A C T C T C A G T T T A C C T T T A C A C T T T C A T G A A A C A T C A A A A A T A A T G A T A A T A A A A A T A T T T T A C C A T T G T A A G T A A A T T A T T A G T A A T C A A A A T T G A A G T C T A A C A T G A C C T A A A G G A G A T C A T A A

52,920

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T C T T A A G A T T A G T G A A T A A A G T A T T T C T C T A A T A A A T A T A T T G A C T A C T G T C T T T C G A T C A A A C A T A T T A G G T A T A T T T T T A C A G T A G C A T C A G G C A G T G A A A A T T T G A A G C T C T T T A T A G A G G A C T G A T T T A T A G A A T T C T A A T C A C T T A T T T C A T A A A G A G G A T T A T T A T A T A A C T G A T G A C A G A A A G C T A G T T T G T A T A A T C C A T A T A A A A T G T A T C G T A G T C C G T C A C T T T T A A A C T T C G A G A A A T A T C T C C T G A C T A A A T A

53,055

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G A T G A A A G G A A T A A C A T G A A C A A A T G G A A T T A T A T G A A G C T T C C C A G A A A T A T C T A A G A G G G C C A A T T T T A A G A A A T A T C T G A C T T C T T T T C A T G G A C A T T T C A A A A T A A A C C T A A C T C A T A T G G T A C A G T C T A C T T T T C C T A T T G T A C T T G T T A C C T T A A T A C T T C G A A G A G G A T T A T T A T A T A A C T G A T G A C A G A A A G C T A G T T T G T A T A A T C C A T A T A A A A T G T A T C G T A G T C C G T C A C T T T T A A A C T T C G A G A A A T A T C T C C T G A C T A A A T A

53,190

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T T T T A A G A G G A A A A G A A A A A C C A T C T G A G A A T C T C T G G A A T T C T G C C G A A A G T A T C A C T T G G C A T T T T A T T C T A C C T T C T G G A T G C A G T T G A T T G A C A G T A G T G T T A T G A T G C C A G G G G T A T A G T G A C T A G A A A A A T T C C C T T T C T T T T T G G T A G A C T C T T A G A G A C C T T A A G A C G C T T T C A T A G T G A A C C G T A A A A T A A G A T G G A A G A C C T A C G T C A A C T A A C T G T C A T C A C A A T A C T A C G G T C C C C A T A T C A C T G A T C T T

53,325

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A A A G A A A C C A G G G A A T T C A G T G T T C T T G C T C A T G A A G A A C A G C T T G G T T C T T A A A A C A A T G A G A T T T G C C A C C C A T C T C A C A A C C A T A T G A T T T G T G A G A A C A A T C C C T T T T G T G T T G C A A G A C T T T T A C T T T C T T T T G G T C C C T T A A G T C A C A G A A C G A G T A C T T C T T G T G C A A C C A A G A A A T T T T G T T A C T C T A A A C G G T G G G T A G A G T G T T G G A T A C T A A A C A C T C T T G T T A G G G A A A A C A C A A C G T T C G A A A A T G

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A T T T C T C T C C C A C A C T A T A T T A G A A G A A T A A A C A T T G C T T C A T A A G T A C C G A T T G A T A G T C T C A T T T C A T A T T T T A A A A T A G A G T T A C T T T A A G G T T A A A T T T T C A T G T A G A T T A A A A T G A C T A A G T A A C C A T T A A A G A G G G T G T G A T A A A T C T T A T T T G T A A C G A A G T A T T C A T G G C T A A C T A T C A G A G T A A A G T A T A A A A T T T A T C T C A A T G A A A T T C C A A T T T A A A A G T A C A T C T A A T T T T A C T G A T T C A T T G G T

53,595

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T T C A C A T A T T T C A A A T A A A A T A T A T T T T A C T A C A A A G G A A A A T A A C T A G A T T C T T A A G T G T T A T A G T C A A G T G T A A T T G A G T A A T A T G A A T T C A A A T G A A T T T C T A A G A T C T G C T C A G C T T T C A C T A C T T T A A A G T G A T A A A G T T A T T T A T A T A A A A A T G A T G T T T C C T T T A T T G A T C T A A G A A T T C A C A A T A T C A G T T C A C A T T A A C T A T A C T T A A G A T T A C T T A A A G A T T C T A G A C G A G T C G A A A G T G A T G A A T

53,730

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G G A A G G A A C A A C T T A A G A A A A A T T T T A A T A A A G A T A T C T C T T C A C A C A C A T G G C A G T G T T G A C T T A G A G A A C A T G A C C A A A A A T T T T T A T A G A C T G C A T A T T G A A T T C C T G A T A C T C T T G G G A A G C T C C A A A A G C C T T C C T T G T G A A T T C T T T T A A A A T A T T T C T A T A G A G A A G T G T G T G A C C G T C A C A A C A T G A A T C T C T T G T A C T G G G T T T A A A A A A T A C T G A C G T A T A A C T T A A G G A C T A T G A G A A C C C T T C G A G G T T T T C

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54,000

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ACTTTCTCATGGTAGGTTGGGCACCTAGAATAAAATATTGCTTTTTCTTAAGAGTTTTAGCCTCCGTATTAAGAAATCTTCATGTTCTGCTGATGATATCTCCTTTCTTCATCTGTTTTCTATTTTTAAGCAATGG
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54,135

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54,270

SNCA

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54,405

SNCA

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54,540

SNCA

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54,675

SNCA

SNCA-205

SNCA-205

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54,810

SNCA

SNCA-205

SNCA-205

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54,945

SNCA

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55,080

SNCA

SNCA-205

SNCA-205

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55,215

SNCA

SNCA-205

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55,350

SNCA

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55,485

SNCA

SNCA-205

SNCA-205

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55,620

SNCA

SNCA-205

SNCA-205

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55,755

SNCA

SNCA-205

SNCA-205

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55,890

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56,025

SNCA

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56,160

SNCA

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56,295

SNCA

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56,430

SNCA

SNCA-205

SNCA-205

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56,565

SNCA

SNCA-205

SNCA-205

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56,700

SNCA

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SNCA-205

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56,835

SNCA

SNCA-205

SNCA-205

GTACCTAGACGGGAAACTATGGGCTATAAAGTTTTGCTTCTTGGCGGAGTTCAAAC TAGGAAGCCACAAAACCTCCAGTTGCATTTTCACAGATTAATGAAATATATTTTACACTTTTCTGAAAAGATATT
CATGGATCTGCCCTTTGATACCCAGATATTTCCAAAACGGAAGAACC CGCTCAAGTTTGATCCTTCGGTGTGTTTGAAGGTCACCGTAAAAGTGTCTAATTACTTTATATAAAATGTGAAAAGGACTTCTATAA

56,970

SNCA

SNCA-205

SNCA-205

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57,105

SNCA

SNCA-205

SNCA-205

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57,240

SNCA

SNCA-205

SNCA-205

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57,375

SNCA

SNCA-205

SNCA-205

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57,510

SNCA

SNCA-205

SNCA-205

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57,645

SNCA

SNCA-205

SNCA-205

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57,780

SNCA

SNCA-205

SNCA-205

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57,915

SNCA

SNCA-205

SNCA-205

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58,050

SNCA

SNCA-205

SNCA-205

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58,185

SNCA

SNCA-205

SNCA-205

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GAATCGGGTGA AAAACTATCC TAATAAACAAAAAAGAAATGACTAAACAACTCAAGGAACATCTAAGACCTATAATCAGGAAACAGTCTACCTATCAAACGTCTATAAAGAGGGTAAAGACACCCACAGACAAT

58,320

SNCA

SNCA-205

SNCA-205

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58,455

SNCA

SNCA-205

SNCA-205

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58,590

SNCA

SNCA-205

SNCA-205

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58,725

SNCA

SNCA-205

SNCA-205

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58,860

SNCA

SNCA-205

SNCA-205

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58,995

SNCA

SNCA-205

SNCA-205

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59,130

SNCA

SNCA-205

SNCA-205

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59,265

SNCA

SNCA-205

SNCA-205

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59,400

SNCA

SNCA-205

SNCA-205

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59,535

SNCA

SNCA-205

SNCA-205

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59,670

SNCA

SNCA-205

SNCA-205

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59,805

SNCA

SNCA-205

SNCA-205

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59,940

SNCA

SNCA-205

SNCA-205

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63,045

SNCA

SNCA-205

SNCA-205

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63,180

SNCA

SNCA-205

SNCA-205

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63,315

SNCA

SNCA-205

SNCA-205

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63,450

SNCA

SNCA-205

SNCA-205

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63,585

SNCA

SNCA-205

SNCA-205

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63,720

SNCA

SNCA-205

SNCA-205

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63,855

SNCA

SNCA-205

SNCA-205

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63,990

SNCA

SNCA-205

SNCA-205

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AACAAAATATTACTAGACGAGTAGACAGAGGAGTGAATCTGATACTCGAGTGACTCTCGTTACCGACAACGTAAGTGAATATAGGAGTTGGTAAAGACTCCGTTCTTTCTTATGGGTCTCCACCTCGACC

64,125

SNCA

SNCA-205

SNCA-205

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64,260

SNCA

SNCA-205

SNCA-205

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64,395

SNCA

SNCA-205

SNCA-205

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64,530

SNCA

SNCA-205

SNCA-205

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64,665

SNCA

SNCA-205

SNCA-205

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64,800

SNCA

SNCA-205

SNCA-205

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64,935

SNCA

SNCA-205

SNCA-205

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65,070

SNCA

SNCA-205

SNCA-205

CCCACAAAATGAAGTCCACATTTACTTCTGAATGACTGATAAGTTTGTAAAAGTATGCATGAATTTCTGTTATTAATTAAGTTTTTATTATATTTATGCAACAATGGTATAAATATTAAATTAATTTTCAAG
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65,205

SNCA

SNCA-205

SNCA-205

CTTATAGAACATTGATAAAGATTGTCATTAGAAAACCTGAGTTGATTGTTATACATTACATAACCTTTTCATTGGTGGATTAGTGAATATGTTATAGGGTGACCATGAATCCAAAGAATCAAAGCTGGCTACAGC
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65,340

SNCA

SNCA-205

SNCA-205

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65,475

SNCA

SNCA-205

SNCA-205

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65,610

SNCA

SNCA-205

SNCA-205

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65,745

SNCA

SNCA-205

SNCA-205

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65,880

SNCA

SNCA-205

SNCA-205

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70,470

SNCA

SNCA-205

SNCA-205

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70,605

SNCA

SNCA-205

SNCA-205

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70,740

SNCA

SNCA-205

SNCA-205

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70,875

SNCA

SNCA-205

SNCA-205

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71,010

SNCA

SNCA-205

SNCA-205

AATAAAATTTATTTTTAAATATCTGAGTATGATTTGATGATTTGTGAAAATAGAGTGAATTATAAATAATTTTTAAATGTAAGTTAATGTTATTAGAAAAGAAACAGAAAAGACATACCACACAGAAAGTCTGTCTG
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71,145

SNCA

SNCA-205

SNCA-205

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71,280

SNCA

SNCA-205

SNCA-205

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71,415

SNCA

SNCA-205

SNCA-205

ACAAATTA AAAAGCAAAATGCTGAAGAAATTCAGCTACATGGATACACCATGAGGTGGAAAGATGCTCCATAACTCTTAGTTAACTGCCTAATACACATAAAAAGGAAAATGTTTCATTTCACTGTAATTTGG
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71,550

SNCA

SNCA-205

SNCA-205

AAACCAAGAAAGAAAAGACTGAATTTTTACATACTGTAAAGAGATGCGTATCTGTTCTAAGTTTAAAGACAGAGGCAAAATGATTTTATTCAATTTGCTGCAACCGTTTGA AAAATAAAATTCACCTTCCTTT
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71,685

SNCA

SNCA-205

SNCA-205

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71,820

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71,955

SNCA

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72,090

SNCA

SNCA-205

SNCA-205

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72,225

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72,360

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72,495

SNCA

SNCA-205

SNCA-205

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72,765

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72,900

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73,035

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73,170

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73,305

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74,925

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75,060

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75,195

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75,330

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75,465

SNCA

SNCA-205

SNCA-205

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75,600

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75,735

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75,870

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76,005

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76,140

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SNCA-205

SNCA-205

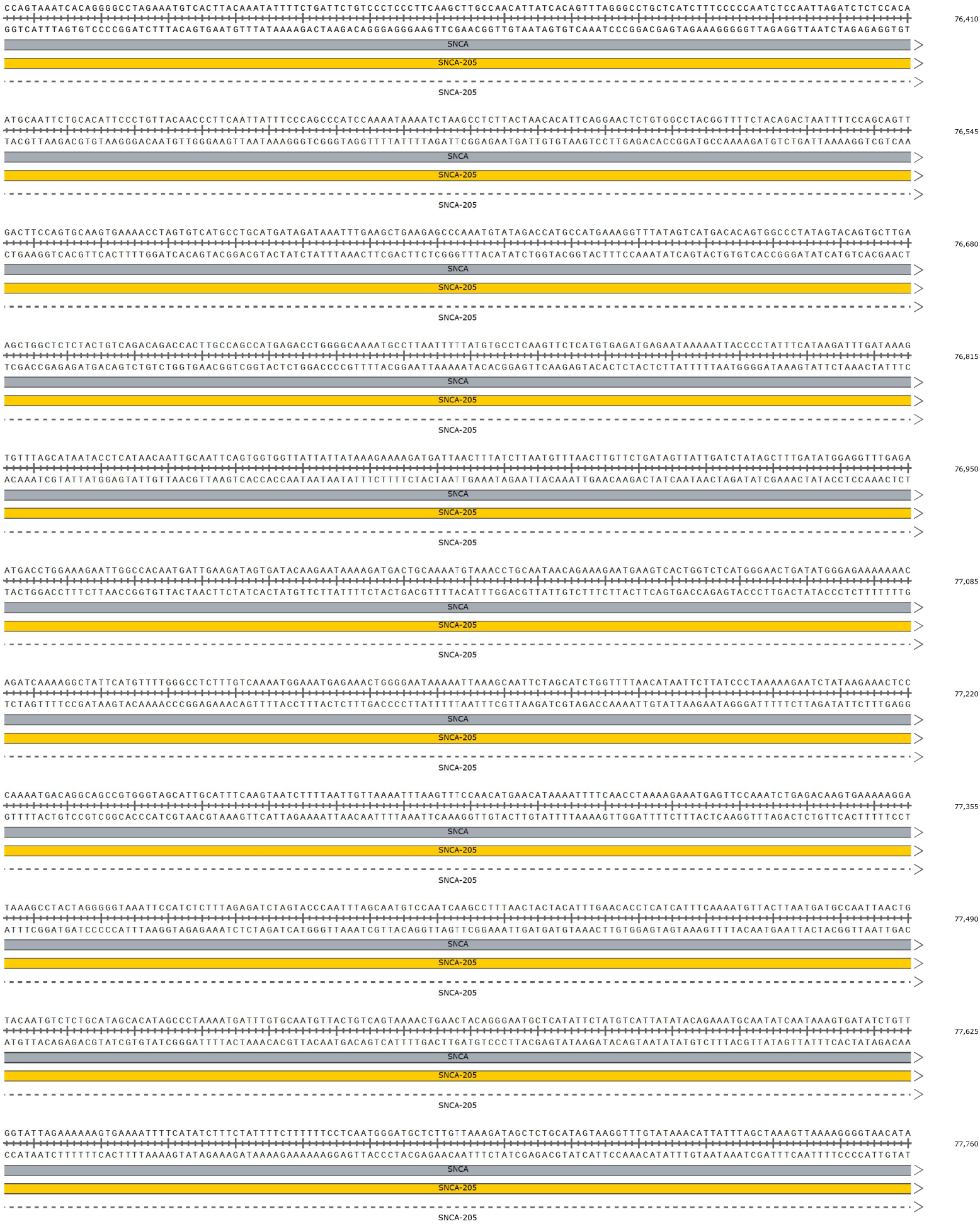
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76,275

SNCA

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78,030

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78,165

SNCA

SNCA-205

SNCA-205

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SNCA-205

SNCA-205

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78,705

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78,840

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78,975

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SNCA-205

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79,110

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79,245

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79,380

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79,515

SNCA

SNCA-205

SNCA-205

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79,650

SNCA

SNCA-205

SNCA-205

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79,920

SNCA

SNCA-205

SNCA-205

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80,055

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80,190

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80,325

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80,460

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80,595

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80,730

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80,865

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81,000

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81,270

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81,405

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81,945

SNCA

SNCA-205

SNCA-205

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82,080

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SNCA-205

SNCA-205

TATCTCATGTTACCATTGTTTAGTTACCAGATAAATGTTCTGTCCAATTTCCACCTAATTTTTTGTCTGCCATTAGCTAAATGGCAAGATAAAAATTTGTCAAACGGGGGGGAATGATTGAAAATGCTAGA
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82,215

SNCA

SNCA-205

SNCA-205

CAACTACACTTAAATGAAACAGGCCAGGCAGCGGTGGCTCAGGCCGTGTAATCCCAGCACTTTGGGAGCCAAAGCCGGTGGATCACCTGAGGTCGGGAGTTCAAGACCAGCTTGACCAACATGGAGAACTCCA
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82,350

SNCA

SNCA-205

SNCA-205

TCTCTACTAAAAATACAAAATAGCCGGGCATGGTGGCACATACCTGTAATCCCAACTACTGGGGAGGCTGAGGCAGAAGAATCGTTTGAACCCAGGAGGGCGGTGGTTGCAGTGAGCCGAGATTGTGCCACTGTA
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82,485

SNCA

SNCA-205

SNCA-205

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82,620

SNCA

SNCA-205

SNCA-205

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82,755

SNCA

SNCA-205

SNCA-205

CACATTTCCATCCCAACATTTAATTTAGCAATTTGTAGTCTGCCTAAAAATGCAATCCATCATTACTGTTAGAAAATAGGGAATGTACACAAAGGCCCTTTCAGCTTTCCCTGAATCCATAAAAAATCTTTTT
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82,890

SNCA

SNCA-205

SNCA-205

GCTTCTTTACTGCCCCCTTTGTCAAGGTTCTGAGGAACGTTTTTTATCTTAAAGTCTCACAAAGCATTAGGAGAATTTAAACTTAAATCTTTTAAAACCTATGTTTCAGGACAAAGTAACATTTGTATGCA
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83,025

SNCA

SNCA-205

SNCA-205

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83,160

SNCA

SNCA-205

SNCA-205

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83,295

SNCA

SNCA-205

SNCA-205

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83,430

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SNCA-205

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83,565

SNCA

SNCA-205

SNCA-205

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83,700

SNCA

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SNCA-205

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83,835

SNCA

SNCA-205

SNCA-205

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83,970

SNCA

SNCA-205

SNCA-205

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84,105

SNCA

SNCA-205

SNCA-205

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84,240

SNCA

SNCA-205

SNCA-205

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84,375

SNCA

SNCA-205

SNCA-205

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84,510

SNCA

SNCA-205

SNCA-205

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84,645

SNCA

SNCA-205

SNCA-205

ACACTGACACTGATTGTGACTTTGGATAATTCCTGGATGCTGTTATCTGTTTTGGCATAGAGATGGATCTGTAACCTGCTAATAATTGCCGACTGTGACCATCCCAGAGGCCATTTACTTAACCCAGGTATTTCA
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84,780

SNCA

SNCA-205

SNCA-205

GACCTGACAGCCCGAGGATAAACACGATTTCCCTCCATCACTAACTTCATCTGCAGGGCCTAAGCCTCCTTCACAGTCTCTCCAGTGATTTATTGGCATCTCCAAGGGTATCTCACATGTGCTGAAGAACAAATC
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84,915

SNCA

SNCA-205

SNCA-205

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85,050

SNCA

SNCA-205

SNCA-205

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85,185

SNCA

SNCA-205

SNCA-205

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85,320

SNCA

SNCA-205

SNCA-205

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85,455

SNCA

SNCA-205

SNCA-205

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85,590

SNCA

SNCA-205

SNCA-205

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85,725

SNCA

SNCA-205

SNCA-205

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85,860

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SNCA-205

SNCA-205

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85,995

SNCA

SNCA-205

SNCA-205

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86,130

SNCA

SNCA-205

SNCA-205

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86,265

SNCA

SNCA-205

SNCA-205

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86,400

SNCA

SNCA-205

SNCA-205

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86,535

SNCA

SNCA-205

SNCA-205

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86,670

SNCA

SNCA-205

SNCA-205

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86,805

SNCA

SNCA-205

SNCA-205

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86,940

SNCA

SNCA-205

SNCA-205

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87,075

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SNCA-205

SNCA-205

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87,210

SNCA

SNCA-205

SNCA-205

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87,345

SNCA

SNCA-205

SNCA-205

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87,480

SNCA

SNCA-205

SNCA-205

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87,615

SNCA

SNCA-205

SNCA-205

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87,750

SNCA

SNCA-205

SNCA-205

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87,885

SNCA

SNCA-205

SNCA-205

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88,020

SNCA

SNCA-205

SNCA-205

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88,155

SNCA

SNCA-205

SNCA-205

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88,290

SNCA

SNCA-205

SNCA-205

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88,425

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SNCA-205

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88,560

SNCA

SNCA-205

SNCA-205

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88,695

SNCA

SNCA-205

SNCA-205

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88,830

SNCA

SNCA-205

SNCA-205

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88,965

SNCA

SNCA-205

SNCA-205

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89,100

SNCA

SNCA-205

SNCA-205

CCTAGCTGTACTACTTAAATGTACTTCTGAAATATACAGAGAGATGATACAGACTATTAATGAGTTCCACTAACTTTTAAATGGTTTAGAAAAACAAATATTTCTTATTTTTCTGGAATCCAGCCATTAAT
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89,235

SNCA

SNCA-205

SNCA-205

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89,370

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SNCA-205

SNCA-205

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89,505

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SNCA-205

SNCA-205

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89,640

SNCA

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91,395

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SNCA-205

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SNCA

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SNCA-205

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91,800

SNCA

SNCA-205

SNCA-205

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92,070

SNCA

SNCA-205

SNCA-205

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92,205

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92,340

SNCA

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92,475

SNCA

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92,610

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92,745

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92,880

SNCA

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93,015

SNCA

SNCA-205

SNCA-205

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93,150

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93,285

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93,420

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93,555

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93,690

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93,825

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93,960

SNCA

SNCA-205

SNCA-205

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94,095

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95,715

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95,985

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96,120

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96,255

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96,390

SNCA

SNCA-205

SNCA-205

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96,525

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96,660

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96,795

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96,930

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98,685

SNCA

SNCA-205

SNCA-205

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98,820

SNCA

SNCA-205

SNCA-205

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98,955

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99,090

SNCA

SNCA-205

SNCA-205

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99,225

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99,495

SNCA

SNCA-205

SNCA-205

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99,630

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99,765

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SNCA-205

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100,035

SNCA

SNCA-205

SNCA-205

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100,170

SNCA

SNCA-205

SNCA-205

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100,305

SNCA

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100,440

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100,575

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100,710

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100,845

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100,980

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101,115

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101,250

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101,385

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SNCA-205

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101,655

SNCA

SNCA-205

SNCA-205

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101,790

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101,925

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102,195

SNCA

SNCA-205

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SNCA-205

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102,735

SNCA

SNCA-205

SNCA-205

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SNCA

SNCA-205

SNCA-205

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103,005

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103,140

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103,275

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103,410

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103,545

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103,680

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103,815

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103,950

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104,220

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104,355

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104,490

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104,625

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104,760

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104,895

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105,030

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105,300

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105,435

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105,570

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105,705

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105,840

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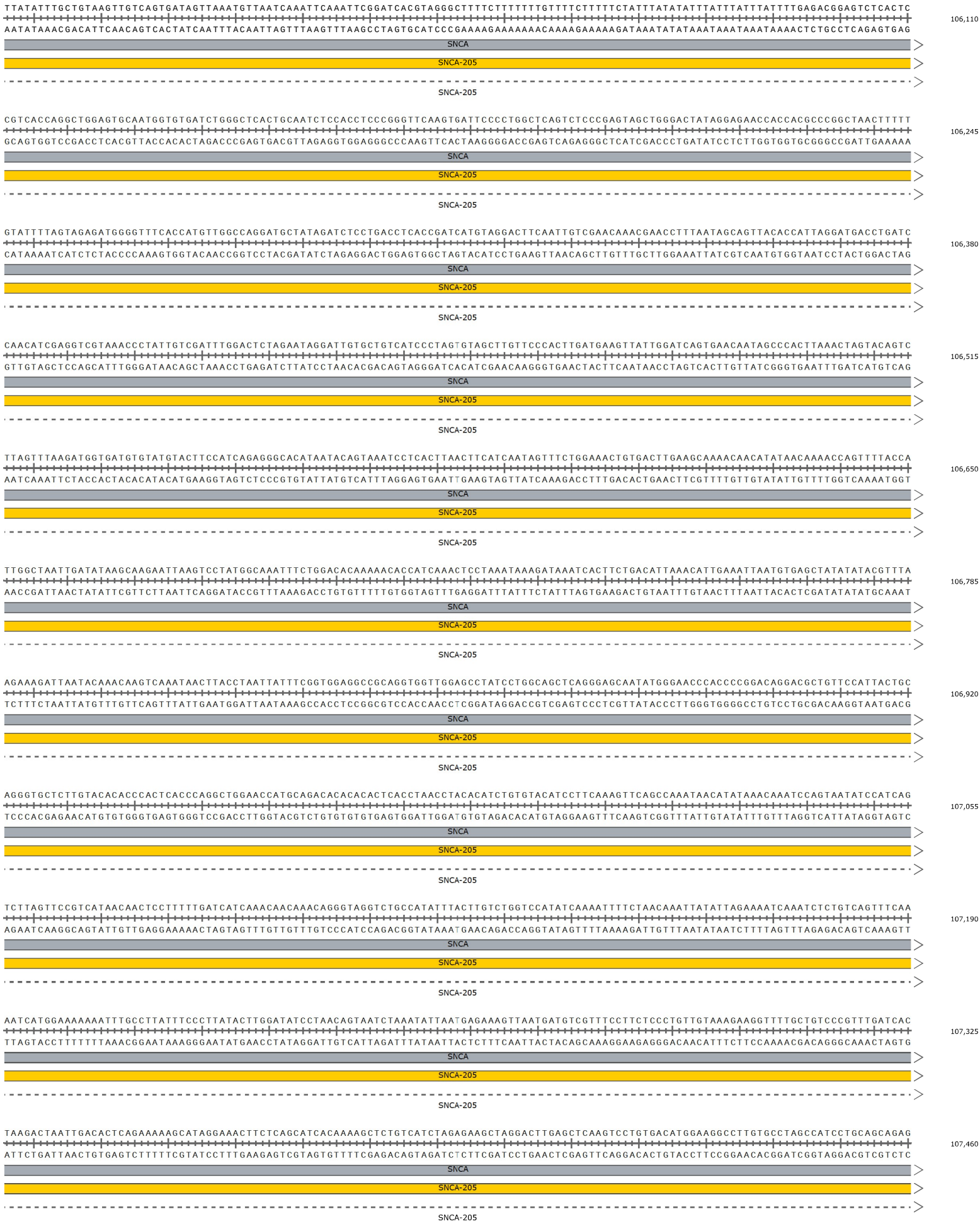
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105,975

SNCA

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SNCA-205



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107,595

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107,730

SNCA

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107,865

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108,000

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108,270

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108,405

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108,540

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108,675

SNCA

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108,810

SNCA

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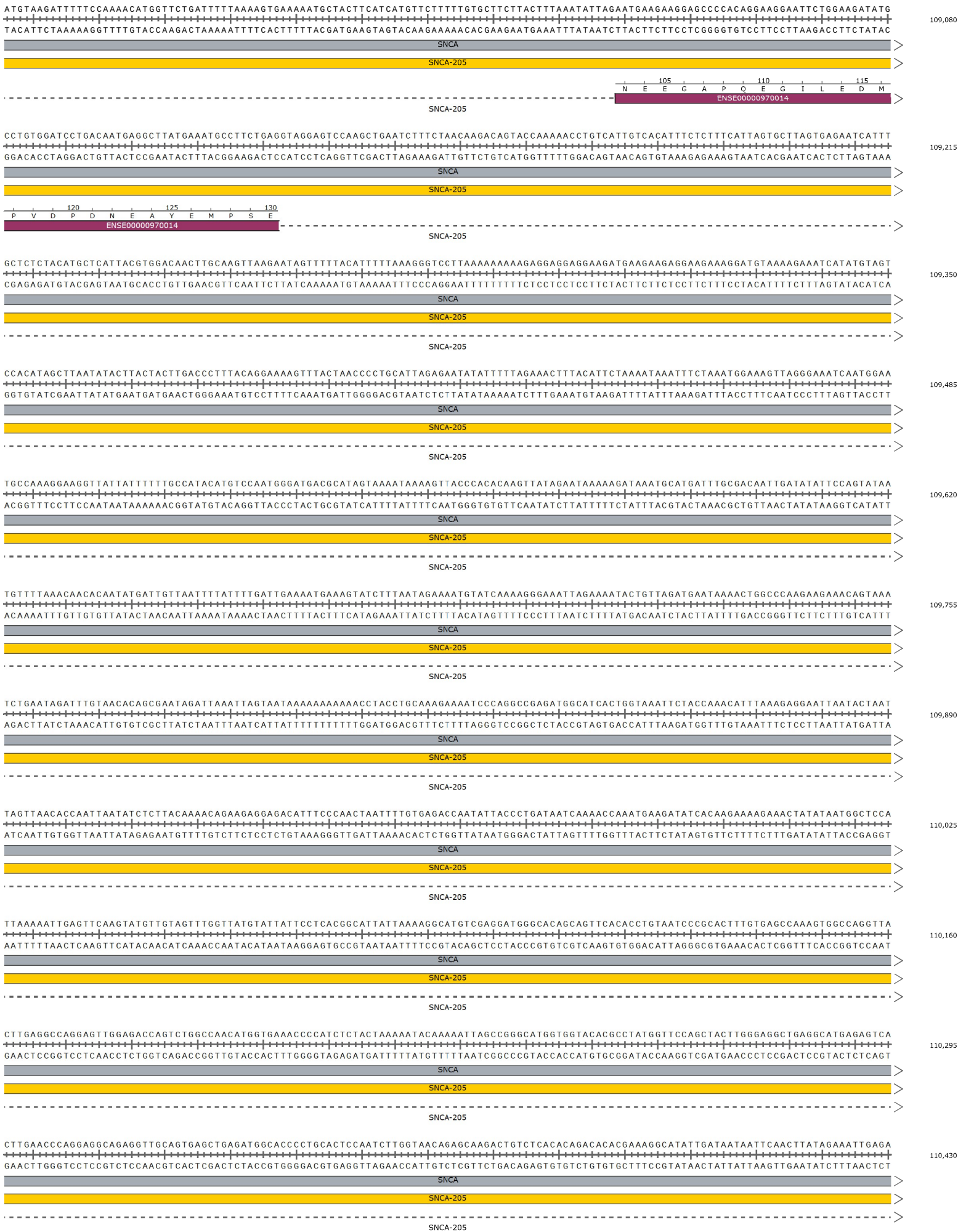
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108,945

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110,700

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110,970

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111,105

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A A A T C C A T T A A T A T T T G T G T T G G G A T G C T A T C C A G A T A C T G T A T G G A G A C T T G A G G T T T G A A A T C A A G T A A T A A T T G A A G C C A T A G A T G A A G A C G A A A T T T C A A C T G G G A G A G T G A A A G T A G G G A A A A T G T T T A G G T A A T T A A A C A C A C C T A C G A T A G G T C T A T G A C A T C C T C G A A C C C A A A C T T A T G T T C A T T A A C T T C G G T A T C T A C T T C T G C T T A A A A G T T G A C C C T C T C A C T T T C A T C C C T T T T A C A

111,240

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A T C T T G C C T T C A A A C A T C T T A A T T C C T T C T G A G A A T T A G A G C A T C T T A G T C T G G A A A G G C T T T A T A G A C A G C T T G A T T T T G T T C T C A C A T T T A C A G G T G A A G A A A C T G A G A A C C A G A C A G T C C A A C T T A T T T T A G A A C G G A A G T T T G A G A A T T A A A G G A A G A C T C T T A A T C T G T A G A A T C A G A C T T T T C C G A A A T A T C T G T C G A A C T A A A A C A A G A G T G T A A A T G T C C A C T T C T T T G A C T C T T G G T C T G T C A G G T T G A A T A A A

111,375

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G T C C T A C C A A A C T A G G T A T A T G A T C A T T A A A T G G T G C A T C C G G A T C A G A A C C T A G A T A T T T A A C T C T G A C T A C T A C T G T A A T T C A C T T T T A T A T A C A G A C A A A G A C A C A A C T A T T A A A A A T A A G A T A A T A T T C A G G A T G G T T G A T C C A T A T A C T A G T A A T T T A C C A C G T A G G C C T A G T C T T G G A T C T A T A A A T T G A G A C T G A T G A T G A C A T T A A G T G A A A A T A T A G T C T G T T C T T T C T G T T G A T A A T T T T A T T C T A T T A T A A

111,510

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T G C T G C A G A A T A T T G C A A A A C A T T G A T T G T A A A T T T A G T G T A A G T G G G G A G C C A T T T C C T A T C T C A T T G G C T G T C A G T G C T G A T G C G T A A T T G A A A C T T A T A C T A A C A G T G T G T G C T C T T T T G A T T T T A C G A C G T C T T A A A A C G T T T T G T A A C T A A C A T T T A A A A T C A C A T T C A C C C T C G G T A A A G G A T A G A T A A C C G A C G T C A C G A C T A C G C A T T A A C T T T G A A T A T G A T T G T C A C A C A C G A C A G A A A A C T A A A A A

111,645

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C T A A T A T T A G G A A G G G A T C A A G A C T A C G A A C C T G A A G C C T A A G A A A T A T C T T T G C T C C C A G T T T C T T G A G A T C T G C T G A C A G A T G T T C C A T C C T G T A C A A G T G C T C A G T T C C A A T G T G C C A G T C A T G A C A T T T G A T T A A T C C T T C C A T A G T T C T G A T G C T T G G A C T T C G G A T T C T T A T A G A A A C A G G G T C A A A G A A C T C T A G A C G A C T G T C T A C A A G G T A G G A C A T G T T C A C A G A T C A A G G T T A C A C G G G T C A G T A C T G T A A A

111,780

SNCA

SNCA-205

SNCA-205

C T C A A A G T T T T A C A G T G T A T C T C G A A G T C T T C C A T C A G C A G T G A T T G A A G T A T C T G T A C C T G C C C C A C T C A G C A T T T C G G T G C T T C C C T T T C A C T G A A G T G A A T A C A T G G T A G C A G G G T C T T T G T G T G C T G T G G A G T T T C A A A A T G T C A C A T A G A G C T T C A G A A G T A G T C G T C A A C T A A C T T C A T A G A C A T G G A C G G G G T G A G T C G T A A A G C C A G A A G G A A A G T G A C T T C A C T T A T G T A C C A T C G T C C C A G A A A C A C A C G A C A C

111,915

SNCA

SNCA-205

SNCA-205

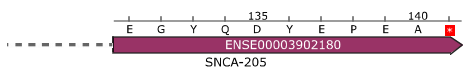
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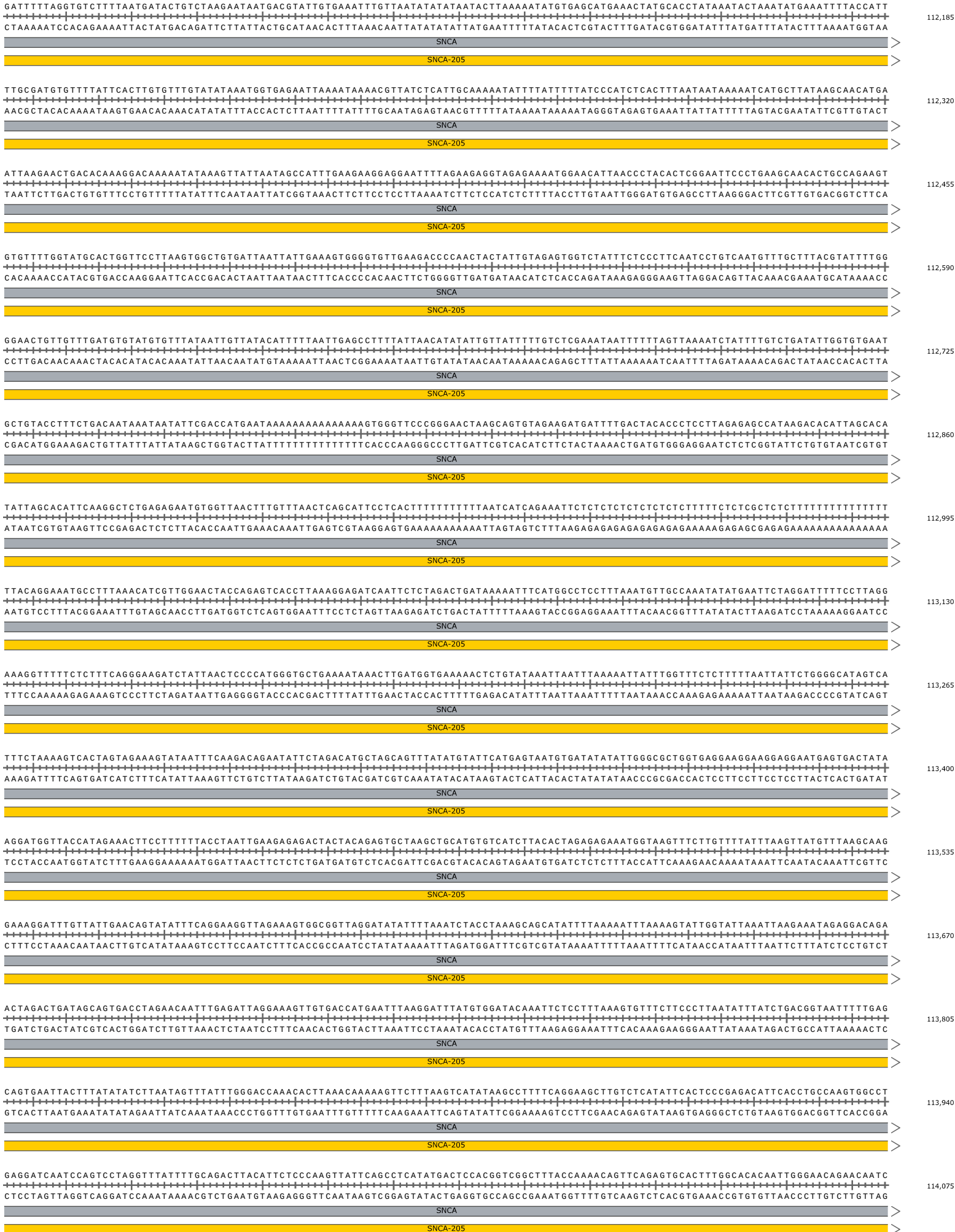
112,050

SNCA

SNCA-205

SNCA-205





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114,210

SNCA

SNCA-205

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114,345

SNCA

SNCA-205

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114,480

SNCA

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114,615

SNCA

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114,750

SNCA

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114,885

SNCA

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115,020

SNCA

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115,155

SNCA

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115,290

SNCA

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115,425

SNCA

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115,560

SNCA

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115,695

SNCA

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115,830

SNCA

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115,965

SNCA

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116,100

SNCA

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116,235

SNCA

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116,370

SNCA

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116,505

SNCA

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116,640

SNCA

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116,775

SNCA

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116,910

SNCA

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117,045

SNCA

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117,180

SNCA

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117,315

SNCA

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117,450

SNCA

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117,585

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117,720

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117,855

SNCA

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117,990

SNCA

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118,125

SNCA

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118,260

SNCA

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118,395

SNCA

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118,530

SNCA

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118,665

SNCA

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118,800

SNCA

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118,935

SNCA

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119,070

SNCA

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119,205

SNCA

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119,340

SNCA



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119,475

SNCA



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119,610

SNCA



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119,745

SNCA



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119,880

SNCA



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120,015

SNCA



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120,150

SNCA



TCTGCCTACCCAGTGACAGAATAAAAGCATTCCCTTTCTTAGGAGAAAGGCCAGTGAATGATCTGTACAAACGGTGAAGGCATCCACAATTTTCATGTATAGAAGACTCAGGTGCTTGTAGTACAAGATA
AGACGGATGGTCTACTGCTTAATTTCTGTAAGGAAAAGGAATCCTTTTCCGGGTCACCTTACTAGACATGTTTGGCCATTCCTGAGGGTGTATAAGTACATATCTTCTGAGTCCACGAACATCATGTTCTAT

120,285

SNCA



TGTTAGGAGAAAAGACCTTTTGAATTTACTCATCTATGGGAAGAAGAAACGCTGGGAAGAAGTCCAGATATAGACAACAGGGAGACCATAACAACAAATGACAGTACGCTGAAGGTTCCAACAAGAAGGAGCTAG
ACAATCCTCTTTCTGGAACCTTAAATGAGTAGATACCCTTCTCCTTTGCGACCCCTCTCAGGCTATATCTGTTGTCCTCTGGTATGTTGTTACTGTCTATGCGACTTCCAGGTTGTTCTTCTCGATC

120,420

SNCA



AAACATGCAGGAGAAGCAGCACTGAGAACAGGGAACAAAGTCTATTACCCAGGCAGAGTCAGGGAAGATTGAAAGCAACAGCACCACCCTACCCAAGTCAGGGGTTTAGCAGTGAGATTTGGAACCTTCT
TTGTACGTCCTTCTCGTCGTGACTCTTGTCCCTTTGTTTACGATAAGTGGTCCGTCCTCAGTCCCTTCTAACCTTTCGTTTGTGCTGGTGGGATGGGTTTTCAGTCCCAAACTGTCACCTTAAAGACCTTGAAGA

120,555

SNCA



GTGAATTGGCAAGACTAAAATTAGACTACAGGCCAAAAGACTAGCATCCTGAAGAGATTAAACAATAAGCTCTACTTAAAATACCTTATCACCATATCAACTAGCCAAAATTTAGCCTTGACTCACAGGCATTT
CACTTAAACGTTCTGATTTAATCTGATGTCGGGTTTTCTGATCGTAGGACTTCTTAATTTGTTATTCGAGATGAATTTATGGAATAGTGGTATAGTTGATCGGGTTTTAAAGTCGGAACAGTGTCCGTAATA

120,690

SNCA



GGCAAAAAGATAAGCAACGCTCTTACCATGCTATTGAGACTTTGAGAAAATTTACATTTTTAAGAAAAGTTGGTGTGCTGTTGAGAATCTGTTTAGAACAAATGTTTCCATACATATCTGAGGCCAAGGTGA
CCGTTTTCTTATTCGTTGCGAGAATGGTACGATAACTCTGAAACTCTTAAATGTAATAAATCTTTTCAACCACAACGACAACCTTAAAGCAAACTTGGTTTACAAGGATGTATAGACTCCGGTTCACCT

120,825

SNCA



AGCAGAAATATGAAAATGCTATTTTCCGAGATACTTTGGCCTTGCATTTCTTAAACTGCATCGCACATTTTCAAGTCTACTGTTTTGTTTTCTTTCACAGAAAAATCAAAGCACTGAAACATACAAAATCCAGGAA
TCGCTTTTACTTTTTACGATAAAACGGTCTATGAACCCGGAACGTAAGAGATTTGACGTAGCGTGAAGTCAAGTGACAAAAACAAAAGAAAGTGTCTTTTAGTTTCTGTCGACTTTGTATGTTAAGGTCCTT

120,960

SNCA



GTAATTTGATGGCACTGTGCATTTGAAAATCCTCAAAGCATACTTTGAAAAGTTTAGGTTTCTAGGTGGAGTCGTGACTGTATTTACGTTGCCGTGGCTACCTAATTAATTTTCTTGGTAGATGTGT
CATTTAACTAACCGTGACAGCTAAGACTTTTAGGAGTTTCTGATGTAAACTTTTCAAATCAAAGATCCACCTCAGCACTGACATAAATGCAACGGACACCGATGGATTAAATAAAAGAGAACCATCTACACA

121,095

SNCA



TCATGCTGTTTCAAGTTCAGACAGGAGTTGAGAGTGAGATTGCCATAGGGAGATTCCCAAGTGACAGCAAAAGAGGTACAGTTTAAAACAGCCTAGATTGTTAAAAGGTACAAAAAATAGAGTGAGACCAGAT
AGTACGACAAGTCAAGTCTGCTCAACTCTCACTCTAACGGTATCCCTCTAAGGGGTTCACTGTCGTTTTCTCATGTCAAATTTGTCGGATCAACAATTTCCATGTTTTTAAATCTCACTCTGGTCTA

121,230

SNCA



CAAGATTTAGGATCTAACAGAGATGTAGGAAGAAAAATCAGTCTAAGCAGTTCCGTACGTCAGGGTCTAGCAAACCTTATGCTGACAGCTCTCCAGAAAGACTCATCTCTCTTTTGTCCCCATCAGCCCT
GTTCTAAATCCTAGATTGCTCTACATCTTCTTTTTAGTCAAGTTCGTCAGGCATGCACTCCAGATCGTTTGGTAAATCACGACTGTGAGAGGGTCTTCTGAGTAGAGGAGGAAAACAGGGGTAGTCGGGA

121,365

SNCA



TTCCAGTGATAAAGAACCTTCCGCAATGTGACCCGAAGCTGCAGATTGTCTGAAGATCAAAGAGCCACATAGCTTTATAGCTGTCTAATGCCCTTATTTTAAAGTAAAGGACACCCAAGATTACATAGTG
AAGGTCACTATTTCTTCCGGACGGCGTTTACACTGGGGCTTGCAGCTTAAACAGACTTCTAGTTTCTCGGTGTATCGAAATATCGACAGATTACGGAATAAAATATTCAATCGCTTGTGGGTTCTAATGTATCAC

121,500

SNCA



CCTTGTCAATTTGGATAGAATTTAAAACAAATCTTCAACCAATAATTTCTTACTGCTCCAAAACATATTATGGTGAATTCATCCTAAATCTGTAGATATATTCCAGAATATATCTATAGAAGGAACACAACATG
GGAACAGTAAACCTATCTTAAATTTGTTTAAAGAGTGGTTATTAAGAAATGACGAGGTTTTGATAATAACCACTTAACTGAGGATTTAGACATCTATAAAGGCTTATATAGATATCTTCTTGTGTTGTAC

121,635

SNCA



TTAACTAAACCCCAACATACGCTTGAAGCATAAATGCTCCATTTAAATATGAGCAGTTTTCTATATAACAAATTAAGGATTCACACTTCTGCTCTCTTGTAGCCACTGTATTACCCCTGCACCTTTCT
AATTTGATTTGGGGTGTATGCAACTTCGTATTTACGAGGGTAAATTTACTCGTCAAAGGATATATTGTTAATTCCTAAGTGTGAAGGACGAGGAACTCGGTGACATAAATGGGACGTGGAAAGA

121,770

SNCA



TCTAATATATCTTTGGAACCTTATCCACTAAAGAATGCATTTAAGATTTTGTGTTCTAAATACTCTTTTGAATACAAACAAGCAGGGAAAGCAATCTTGCTTCCCTCATTCTTGTTCTTTTGATAATATCT
AGATTATATAGAACCTTGAATAGGTGATTTCTTTACGTAATTTCTAAAACACAAGATTTATGAGATAAAATCTTATGTTTTCCTCCCTTTTCGTAGAACCGAAGGAGTAAAGAACCAAGAACTATTATAGA

124,470

SNCA

ATAACTTTCCACTTACAGTTTGATTCAAAAGGCCATGACAAAGGTGAGAGGCACATTCACATTAATAAAGGCCAGTAGCAAAACTTTGCAAAATTCAGTTGTCAACAGCTAAATATACCTTATGGTAACAGT
TATTGAAAGGTGAATGTCAAACCTAAGTTTCCCGGTACTGTTTCCACTCTCCGTGTAAGTGAATTTATTTCCCGTCATCGTTTTGAAACGTTTTAAGTTCAACAGTTGTCGATTTATATGGAATACCATTTGTC

124,605

SNCA

CCCTAAAAGGAAGCTAAATTTGTAAGCGAACCAAGGTTCAAGTTTCTGAAAAAGAGCCAAATGGTGGATTTAAGTATCCTTAAATAAGATGTAACCTCTTGCAATTTATATAAAATTTAATGCCATATGT
GGGATTTTCTCGATTAAACACTCGCTTGGTGTCCAAGTTCAAAGACTTTTTCTCGGTTACCACCTAAAATTCATAGGAATTTATTTACATTGAAGACGTAATAATATTTTAAATACAGGTATACA

124,740

SNCA

CTACATAGCTTTTTCTAACTAAAAACATCTATATCTTCACTCCACTTCTAAAGTGGATGTAACCCAGAATAGGTTAAGAAGCTATATAAGAGAATAATATTGTGTAATCTAGAGAATCTCAGAATACTG
GATGATCGAAAAAGATTGATTTTTGTAGATATAAGAAGTAGGTAAGATTTCACTACATTGGGCTTATCCAATTTCTCGATATATTTCTTCTTATTATAACACATTAATGATCTTCGTAGAGTCTTATTGAC

124,875

SNCA

ACTAAAACCTTATTTTCAAAAATATATGCATAAAATATCAGTTCTGGGGAGTTAAACAGATACGTAAAAATTTGATGAATAAATTAACCTTCTATACTGCAGGATTTTTCAGAGCTATTAACTTTTAAATGA
TGATTTTGGAAATAAAGTGTTTATATAACGTATTTATAGTCAAGGACCCCTCAATTTGTCTATGCATTTTAAACTACTTATTTAATTTGAAGATATGACGCTCTAAAAGTCTCGATAAATTTGAAAATTA

125,010

SNCA

GCATTGTTTGTCTCCAGAGTGTGATACAATAAGCAGTTTCAAAATTCGCCTACCCAAGGAAGTTTTCTTAGCTCACAGTGTGATGGCTGTGATAGTCCAAGGAAACCGCTTGGAGAAACGGTGATTTAAGA
CGTAACAAACAGAGGTGCTCACACTATGTTATTCTGCAAGTGTTAAGCGGATGGGTTCTTCAAAGAATCGAGTGTCAACATACCGACACTATCAGGTTCTTTGGCGAACCTCTTGGCCACTAAATCT

125,145

SNCA

CTGCACTTTATGACCAAAACATTGAGTGATAGATAATCAAGTAAGGATTTTATAATGAAATTCAAACTAACCAATTTTTAGTGAGTAAAACAGCAACTGTGCCTTTGGAAACCATGCTGTTCTCCAATGAGCAATAA
GACGTGAAATACTGGTTTGAACCTCACTATCTATTAGTTCATTTCTAAAATATTACTTTAAGTTTGAATGGTTAAAATCACTCATTGTCGTTGACACGGAACCTTGGTACGACAAGAGTTACTCGTTATT

125,280

SNCA

CCATAATCACACCCTAAGTAAATGACTGGCAGGTCCCAAATGGATAAATCTTTCACATATCTTAATCGCTTGGGCAAATTACCTTTAAAGATACTTTGTCTAGCTTTGTTGTCCAAAGATCCTTATT
GGTATTAGTGTGGCGATTCATTTAACTGACCGTCCAGGGTTTACCTATTTATGAAGAAGTGTATAAGAATTAGCGAACCCGTTAATGAAATTTCTTATGAAACAGATCGAAACACAGGGTTTTCTAGGAATAA

125,415

SNCA

ATTTTCATCCCTAGCTAGTTATCTAGTACACATAAAAAATAGAAGTAAAGAACAGCAAAATGGGGTGGAAAGGATAAAAGATAATGTTTCAACTGCAAAATCTAGGAATTCACAGTCAATGATAAAATTTGTGATAA
TAAAGTAGGGATCGATCAATAGATCATGTGATTTTTTATCTTGATCTTGTGCTTTTTACCCACCTTTCTATTTTCTATTACAAAGTTGACGTTTAAAGTCTTAAATGTCAGTAACATTTTAAACATATT

125,550

SNCA

TGTGACAAGTATAGCCGAGAGCTGATTTTAGCTTCCAGGATTACCAAGATTTGAAAGTTTAACTCACTGTTAACCTATGTTAAAACAACCAAAACCAAAAAGAAAGAAATGATTAGCAGAGAATCAAAACGCTGC
ACACTGTTCAATCGGCTCTCGACATAAAATCGAAGTCTAATGGTCTTAACTTCAAATTAGGTGACAATTGGATACAATTTTGTGGTTTTGGTTTTCTTTCTTTACTAATCGTCTCTTAGTTTGTGCGACG

125,685

SNCA

TGTTAGTTAACTTGAGTAATAGTGAATTTTTCATTTGTCATATTGCCTAAGACCTAAACATCTTTGTAAGTCTTCCAGCGTATTTTAAAACCTGTAGGCTGATGTTCTTTATAAATGAATAGGAAACACAT
ACAATCAATTTGAACCTATTACTTAAAAGTAAACAGTATAACGGATTTGAGTTTGAAGAAACATGACGAAGTCTGCACTAAAATTTTGGACATCCAGACTACAAGAAATATTTACTTATCTTTGTGTA

125,820

SNCA

TTTATTTCAACTAAAATCACAGCTGTAACCTAAAGAGAGAAAAATGAGATTGCAGGTCGCTTTTTCTTCTCTTTATTTTATCAGCTGTTCAAGTATATCCACCAATTCATTTAAGCTGACAACCTGGTATTTT
AAATAAAGTTGATTTAGTGTGACACTGGATTTCTCTTTTACTCTAACGTCACGACGAGAAAGGAAGGAGAAATAAATAGTCGACAAGTCAATATAGGTGGTTAAGGTAATTCGACTGTTGACCATAAAA

125,955

SNCA

TCTTTCACTCTCTACTCCCACTAATATTTTATTTAGCTTCTGAGTTCTCTCCTAACGTCACCAACTGTTTTTGGCTACACTGTTCTTCTTATTAGCCTCCAGAGAGGTATGTTTTCATTTCAACTTTATGGAGT
AGAAAGTAAAGAGATGAGGGTATTATAATAAATCGAAGACTCAAGAGAGGATTGCAGTGGTTGAACAAAACGGATGTAGACAAGAAATCGGAGGGTCTCTCCATACAAAAGTAAAGTTGAAATACCTCA

126,090

SNCA

ATTCATGATAAGCATGAGACTGAATATTTATGTTTCTTCCAAGATCCAAGGAAACTGACAATCTCTCAAGGGAGCAAAGGACAAAAATACCTGCTACTTTATCATAGAAAAAGATAAATTTTCAATATGTGGC
TAAGTACTATTCTGACTCTGACTTATAATACACAAGAAAGGTTCTAGGTTCTTTGACTGTTAGAGAGTTCCCTCGTTTCTGTTTTATGAGCAGTAAAGTATCTTTTCTATTTAAAAGTTATACACCG

126,225

SNCA

TTTCAACGTAGTAAATGAGATATGGCATCACTAATTTGATTCTTCAATTTGAAAAATGCTATTTTGATATGGCCAAAGTGTGCTATGGAAGCTGATATTACTCCTCAGTTGTAAGGGCAAGAGACTGTACAT
AAAGTTGCATCATTACTCTATACCGTAGTGATTGAACATAAGAAATTAACATTTTACGATAAAAATATACCGGATTCACAACGATACCTTCGACTATAATGAGGAGTCAACATTTCCCGTCTCTGACATGTA

126,360

SNCA

TAAGAAAACATTATGAACATTTTGGGGAACCTATATTGTTAAAAAAGGCTCTGTTTTAGACATGCAATAATATTTAAAGTGTGAGCTGATTTTACAATATTTTGTCTTTAGCAATCATCTTTCTACTACTGC
ATTCTTTTGAATACTTGTAAAACCCCTGGATATAACAATTTTTTTTTCGAGACAAAATCTGTACTGTTATATAAATTTCAAGACTCGACTATAAATGTTATAAAAACAGAAATCGTTAGTAAAGATGTGACG

126,495

SNCA

TAGAGCACCGAATTATCAAAAATTAATGTTGACACCGAGCAGTGGAAATGAGCTTTCTAAGAAATAGTTGTCTAAAATATAGTACTTGAATGATTTAAAATTAAGTTCACTATAGTTTACAGAAATACCTTC
ATCTCGTGGCTTAATAGTTTTAATTAACACCATGTGGCTGCTCACCTTTACTCGAAAGATTTTATATCAACAGATTTTATATCATGAACCTACATAAATTTAATTTCAAGTATCAAACTGTCTTATGAAAG

126,630

SNCA

TGTATATTTAGATTAAGGGCATATTTCTCTCAGCAATATATTTTGGTAACTGTAATATAAATAAGACATTTTGGAAATGGATATTTGAAATTTGAAATGGATACTGAAATTTTGTGTCATTTATGGTTAATGC
ACATATAAATCTAATTTCCCGTATAAGAGAGTCTGTTATAATAAACCAATTTGACATTATAATTTATCTGTAAAACCTTACCTATAAATTTAAAACCTACCTATGAACCTTTAAAACACAGTAATACCAATTACG

126,765

SNCA

AAACATTTAGTCTGACTGCAATTTTTCAGAGAAAAATATTTGTTCACTTGTGGTAGCAGGAGAAATGTAAGAAATGATTAATGTTTATAATGTAAGAAATATTTTATATGCTTAAAGGTATACATAAGGTATTA
TTTGTAAATCAGACTGACGTTTTAAAAGTCTTTTTATAAACAAGTGAACAACCATCCGTCCTCTTTACATTTTTCTATAATTACAAATATTACACTTTTATAAATAACGAATCCATATGATTCCATAAT

126,900

SNCA

GCTGACAAAAGTAGACTTAAGGTGATAACAGACACCAACTGGAGCTAGATTAACAATAAAACATATTTTTAGGAAGATGTTGTACATCTCACAAAAGCTAGGCTAAAGCTGAAAGACCCAGTCCCAGATAGG
CGACTGTTTTTCATCTGAATCCACTATTGTCTGTGGTACCTCGATCTAATTTGTTTATTTGTATAAAAAATCCTTCTACAACAGTGTAGAGTGTTCGATCCGATTTGACTTTCTGGGTCAAGGCTATCC

127,035

SNCA

CTGGTATCAGAGCAGGTTCCAGGTGTTGGAATTCATAGGCTCAGGCCCCTAGCATTGCAATAAACTGAGCTACCAGAAGCTCCAGCCTCTGGTTTTCAGTTCAACTTTCTAAATTCCTAGGATCTCTG
GACCATAGTCTCGTCCAAGGTTCCACACCCTTAAGTATCCGGAGTCCCGGTGATCGTAAACGTTATTTGACTCGATGGTCTTCGAGGGTCGGAGACCAAGAGTCAAGTTGAAAGATTTAAGGATCCTAGAAGAC

127,170

SNCA

ATTGCCACAGCTTAAATAAGCCATCCATATCAACCAATCAACTGCAGCAGGTGAAGCAGGTCAATAGCAGTGCCATGGCTGGTGTAGAGACCCACCTCACTGTAACAGGGACAGTTTCCAGAAAAGTAGAACTCT
TAACGGTGTGCAATTTATTCGGTAGGTATAGTTGGGTTAGTTGACGTCGTCACCTTCGTCAGTATATCGTCACGGTACCACCATCTCTGGGTGGAGTGACATTTGCCGTCAAAGGCTTTTTCATCTTGAGA

127,305

SNCA

TGACAACTAGACACTAATCCAAGAGTATTCTACAACCTCAAAATGAGTATGATCATTTATCAAAATTAATTTCAATGACTATCAAAGTTGATGACTGCATCTTTTCAGATTTTCATTTTCATTTGGTATCCATTATGAGT
ACTGTTGATCTGTGATTAGGTTCTCAATAAGATGTTGAGTTTACTCATACTAGTAAATAGTTTAAATTTAAAGTTACTGATAGTTTCAACTACTGACGTAGAAAGTCAAAGTAAAGTAAACCATAGGTAATACTCA

127,440

SNCA

CATGCTCAATTCATTTTTATTAGAAAATATATGCATGTGCTGTATGTAACATGATAACTTTGCCATGTAATTAATATGGTTGATGCTAGTAATGTTTACACAGTTGATTTAAAATTAACCTAGCGCTCTTAAT
GTACGAGTTAAGTTAAAATAATCTTTTATATACGTACACGCACATACATTTGACTATTGAAACGGTACATTAATTTATACCAACTACGATCATTACAATGTGTCAAATTAATTTTAAATGGATCGCGAGAATTA

127,575

SNCA

GGAGATTTATTTAATAATGTTGGAGAGGCTTCTGCCAAGAATGTTAGTGTCTACTTCCAACAAGCTTGAACAGAGAGGTCGAGCCTGGAGCCATCTAGATTAGACCCCAACACATCAGATTGGCTTGAATAAG
CCTCAATAAAAATTTATACACCTCTCCGAAGCAGGTTCTTACAATCACAGATGAAGGTTGTTGCAACTTGTCTTCTCCAGTCGGACCTCGGTAGATCTAATCTGGGGGTTGTGTAGTCTAACCACTTATTC

127,710

SNCA

TCAGTTTTAGATCAGTTTTAATGACTATCAGAGTTGATGGCTGCATCTTTTCAGATTTTCATATTTGTTTGCAGGTTACAAGCCGGTTATCCTCCTACTGGGCAATAAACCTAAAGGCCATATTCAGTCTCTCTTGG
AGTCAAATCTAGTCAAATTAAGTATGATGCTCAACTACCGACGTAGAAAGTCTAAGATATAACAACAGGTCATGTTTCGGCCAATAGGAGGATGACCCGTTATTTGGATTTCCCGTATAAGTCAGAAGGAACC

127,845

SNCA

AAGTACACAGAGAGGATTTACAAAATGATTCAATTTTTATTTTATGAGGATGCACCTTTGATTTTTAAAAATCTCAACTCAATTGGCTTAAATTTTTTCACTCCATGCATTTGCAAAATCTGGAATGTAAA
TTCATGTGCTCTCCTCATAATGTTTTACATAAGTTAAAATAAAAATACTCCTACGTGAAACTAAAAATTTTTTAGAGTTGAGTTAACGAAATTAAAAAAAGTGAGGTACGTAACGTTTTAGACCTTACATTT

127,980

SNCA

TGTAATCATTAGCTTGAATTTTATAGGAAGTGTACAACCTAGTTGTATGAATAAAGAAAGAAAATAACCTTTTACATACTGATGCATTTATTAGAAAATATATGGGTTTCGATGCCTTTTTAGAAAATAAGC
ACATTAGTAAGTGAAGTGAAGTAAATATCCTTACATGTTGAATCAACATACTTATTTCTCTTTTATGGAAAGATGTAGACTACGTAATAATCTTTATATACCAAGCTACGGAAAATCTTTTATTCG

128,115

SNCA

TGGGGTTTCTCTCGCACATTAGTAAGTATTAAGAGAGGCTGTTGTTGTTGTTGTTGTTGTTGAGGTTGAGCTTCGCTCTGTTGGCCAGGTTGGAGTCAATGGCACGGCCTGGCTCACTGCAACCTCTG
ACCCCAAAGGAGACGTGTAATCATTATAATTTCTCCGACAAAACAAACAAACAAACAACTCCACCTCGAAGCGAGAACCAACGGTCCAACCTCACGTTACCGTCCGGAACCGAGTGACGTTGGAGAC

128,250

SNCA

CTTCTGGGTTCAAGCAATTTCTCTATCTCAGCCTCCCAAGTACTGGGATTACAGGTCCTGCCACCATGCGCAGCTAATTTTTATTTTTAGTAGAGACGGGTTTACCATGTTGGCCAGGCTGGTCTTGA
GAAGGACCCAAGTTCGTTAAGAGGATAGAGTGGAGGGTTCACTGACCTAATGTCCACGGACGGTGGTACGCGTCTGATTAATAATATAAAAATCATCTCTGCCCAAAGTGGTACAACCGGTCGACCAAGAAT

128,385

SNCA

ATGCCTTACCTCAAGCGATCCACCTACTTTGGCCTCCTAAAGTGTGGGATTACAGACGTGAGCCACTGTGCCGACTGGTATTAGAGTTTTTTTACTGCTCTCAGATTAAGGATTTTACTCTGTTACTAAGT
TACGGAATGGAGTTCGCTAGGTGGATGAAACCGGAGGATTTACAGACCTAATGTCTGCACTCGGTGACACGGGCTGACCATAATCTCAAAAAATGACGAGAGTCTAATTTCTAAAATGAGACAATGATTGAC

128,520

SNCA

CACGTGATGAAGTTAATAAAGAAGTTATTTGACTTGCCTTCCAGGCAAGTTGGTAATCATGTGTGAGCCGATTTGCTTTTAAATATTTAGAACTTACCAAGAAATTCAGTGACAATAAAGTGGCACACAAGGGA
GTGCACTACTTCAATTTATTTCTCAATAAAGTGAACGAAAGGTCGGTTCAACCATTAGTACACAGTCGGCATAAACGAAAATATAAATCTTGAATGGTTCTTTAAGTCACTGTTATGTTCAACCGTGTGTTCCCT

128,655

SNCA

GCAAAGAAGACACTGAGTCTTCAAATTAAGTACTTAAATGTTTTGATTTTTAAATAACAAAAGCCATAGTTACTCTTCTGCCACCCTATAGTGGCATAATGAGGTGATCAGTAGAAATGGGGGTGACTCTTT
CGTTTCTTCTGTGACTCAGGAAGTTTAAATGATGAATTAACAAAATCAAAAATTTATGTTTTGCGTATCAATGAGAAGACGGGTGGGATATCACCGTATTACTCCACTAGTCACTTTTAAACCCCACTGAGAAA

128,790

SNCA

AGGATTACTGTTAACTGAGGAAAGATCTGACTTCAAGTGGCTCTTGTGAGAGACCTCTGTGGTCAAAAATAGCTAAATTTGTCCTCCCGCCTGAAAATAAGCAAGCACATAACTCCTTTAAGGAATTCCTTT
TCCTAATGACAATGACTCCTTTCTAGACTGAAGTCAACGAGAACACTCTCTGGAGACACCACTTTTATCGATTTAAACAGGGGAGGGGAGACTTTTATTCGTTGTTGATTGAGGAAATTCCTTAAAGGGA

128,925

SNCA

TGTTGCATCTTGGTAGTGGAAAATGGAGAACAGGAAATGCAAGATGAAGAGACAGGCTGTCTTGTGGGAGCAGCTGACTGCTGAGCTGTGGTAAACATAAGTGGGGCTCAAGCAAGAACAGAGATGACAGAAAA
ACAACGTAGAACCATCACCTTTTACCTCTTGTCTTTAACGTTCTACTTCTCTGTCCGACAGTAAACCCCTGTCGACTGACGACTGACACCAATTGATTTACCCCGAGTTGTTCTTGTCTCTACTGCTTTTT

129,060

SNCA

TACAACAGAACTCTTTGACATTCAGAGGAGCTGTTAGATTCTGGCCAGACACCAGCAGTGCATGTAAGACAGGAAGTAAAGCATGGACGCTGAGAGATGAAAACCTTCTGTTTTTACTGCCACATGGCA
ATGTTGCTTATAGGAACATGTAAGTCTCCTCGACAATCAAGACCCGGTCTGTGGTCTGACGTACATCTCTGCTCTTCAATCGTACCTGACAGACTCTACTTTTGAACGACAAAAAATGACGGGTGACCGT

129,195

SNCA

TGTGTGGAACACCAAGGAGCTCCACAAAATCCATTTTCTCATCTCTCTTTCTTTGGGAGAAGGAAAACATACTTTGAGCCCTTGACCCTCACCTCAAGGATGTAACAAGTTAGAATAACATTCCTCTG
ACACACCTTTGTTGCTCCGAGGTTGTTGAGGTAAGGAGTAGGAAGGAAAGAAACCTCTCTCTTTGATGAAACTCGGGAAGTGGGAGTGGGAGTCCACATTTGTTCAATCTTATTTGTAAGGAGAC

129,330

SNCA

TGATAGCATGCCACGCTGCCTTGAAGGAATGCACTGGAATGAAAGGCAGAGGTTTCTGTGAGTAGAGATAAGGGAGGCTGTGAAAACCTGAATCCATTATGTTCCACTGGTTGAAGCAGCATTACTGGAATTT
ACTATCGTACGGTGCAGGAACTTTCTTAAAGTGACCTTACTTTCCGCTCTCAAAGACACTCATCTCTATTTCCCTCCGACACTTTTGAATAGGTAATAACAAGGTGACCAACTCTGTCGTAATGACCTTAAA

129,465

SNCA

CACTGGTATCCCTTCTGAGTCATAATCAATTTCAATTTTATTGGAAAATATATGCCTGTGTGTATACAAAACATGATAACTTTGCCATGTGATGAATATTGTTGATGCTAGTAAATGTTTATACAGTTGATTTAAA
GTGACCATAGGGAAGACTCAGTATTAGTTAAGTTAAAATAACCTTTTATATACGGACACACACATATGTTTGTACTATTGAAACGGTACACTACTTATAACAACACGATCATTACAAATATGTCAACTAAATTT

129,600

SNCA

ATTAACCTAGAGCTCTTACTGTAGCTTTTTTATAATATGTGGAGAGGTTTCTGCAAAGAACGTTAGTGTCTACTTCCAACAAGCTTGAACGAGAAGGGGTGCAGCCTGGAGCCATCTAGATTAGACCCCAACAC
TAATTGGATCTCGAGAATGACATCGAAAAAATATTATACACCTCTCCAAGACGTTTCTTGCAATCACAAGATGAAGGTTGTTGCAACTGTCTTCCCACGTCGGACCTCGGTAGATCTAATCTGGGGTTGTG

129,735

SNCA

ATCAACACATCAGATTAGCCTGACCAAGTCAGTTTTAGATCAATAATAACTGTTAGCTTACCTGTGATCTATTTCTTATTGTGAATCAAATTCATCCAGTGGACAGAACCAATCCAATGTCAGCCCTAAAA
TAGTTGTGTAGTCTAATCGGACTGGTTCAGTCAAATCTAGTTATTATTGACAATCGAATGGACACTAGATAAAGAATAACACTTAGTTAAGTAGGGTCACTGTCTTGGGTAAGGTTACAGTCGGGAATTTT

129,870

SNCA

TTAGCTTCATTCTATTACACTATATTACAAGCAACCAATATTGTATTAGTGAAGGTCATCACACAGGCCATAAAAAGAAATCTAATATTTATATTTCAATAAATAGAGTAATTACATTGTGTTAGACACTAA
AATCGAAGTAAAGATAAATGTATATAATGTTTCGTTGGTTAATAACATAAATCACTTTCAGTAGTGTGTCGGTATTTTCTTTAGATTATAAATAAAAAGTTATTTATCTCATTAAATGTAACCAATCTGTGATT

130,005

SNCA

ACTAAGTACTTGCAACTCATTTTGAATATTGCCTGGTGGAGAAGAAATGTATCAACAAGAAGATAGAATGAAGTTTGTGCTACTGATGGTTATTAGCTTCTTATTTGAAATGGAACAAAACACCAGAAAATG
TGATTCATGAACGTTGAGTAAAACCTATAACGGACCACCTCTTCTTTACATAGTTTGTCTTCTTACTTCTCAAACACGATGACTACCAATAATCGAAAGAATAAACCTTACCTTGTTTTGGTCTTTTAC

130,140

SNCA

GAACTGCACAGGCTAGTACAACACATCAGGCTTTTGGAGAGTTTCAGTGCAGTACTAATTATAAAGACAATGGAATCAGATGGCTCTTGCTGAGCATAACTGATGCATTGGAGGAAGACACAAAAGGTTGAGGG
CTTGACGTGTCGGATCATGTTGTGTAGTCCGAAAACCTCCAAGTCACGTTTCATGATTAATATTTCTGTTACCTTAGTCTACCGAGAAGACTCGTATTGACTACGTAACCTCCTTCTGTGGTTTCCAACCTCC

130,275

SNCA

TAATTAATCACACCTCAAAGCAAATGTGAAGGTCAGAGGTCCTCGTTGGCAGCATATAAAGTAACTGTTATCTTTACAGCTATAGACAGACAGAAAAAACAAGGATCAGGGCCAGTAGCAGAGCACCAGA
ATTAATTAGTGTGGGTTTTTCGTTTTACACTTTCAGTCTCCAGGAGCAACCGTCGTATATTTCTATTGACAATAGAAAATGTCGATATCTGTCTGTCTTTTTTGTCTCCTAGTCCCGGTCATCGTCTCGTGTCT

130,410

SNCA

GAAGGCTAAAGTCTCAACTGCATCAAGCCAAGGCTCTTGTGAAAAGGGGTGAGACTCTGAGAAGTGCACGGTGCCATGTGGGTAGACAATATTGAAGCCCAGATCCTCTCGAATTCCTGGGTTTACAGGAA
CTTCCGATTTTCAGAGTTGACGTAGTTCGGTTCCGAGAACAACCTTTCCCACTCTGAGACTTTCACGCTGCCACGGTACACCCATCTGTTATAAAGTTCGGGGTCTAGGAGAGCTTAAGAGACCCAAATGTCTCT

130,545

SNCA

CGTCCAACTCCTTCCAGCTAAATACTATCACTTTCTCCTGTTTGAAGACAATGCAGCAGTCTCTAGCTTGCACCCACCTAAGAACCTAGCCACACCTCCTTTCTAACCACCAGACCAATACGTAGCATCAA
GCAGGTTGAGGAAGGTCGATTTATGATAGTGAAGGAGGACAACCTCTGTTACGTCGTGAGAGATCGAACGTTGGGGTGGATTCTGGATCGGTGTGGAAGAAAGGATTGGTGGTCTGTTATGCATCGTAGTT

130,680

SNCA

ACCACAACATTAAGTGGCTAGTGAAGTACTGAGACAGAAAAGGAGGAAATGGAATAAATGAACATATATCCCAAAGAGCTCCATGATCCAGGCAACATATACCAAGTACCAACAGAAAATGATGTATAGGACTAGA
TGGTGTGTAATTGACCGATCACTTCATGACTCTGTCTTCTCCTTTACCTATTTACTTGTATAGAGGTTTCTTCGAGGACTAGGTCGGTTGTATATGGTCATCGTTGGTCTTTTACTACATATCCTGATCT

130,815

SNCA

TCCTGCAGTTGCTGGATTAAGAGACTGGAGGATGGGTGGAACAAAAGTCTGAATAATGAGGAGTTTATTGACATAGTAGTATTCTCCACAATACCAGGTCATTAATACCTGGCAAGCACACCAAGATATTGTGCT
AGGACGTCAACGACCTAATTTCTGACCTCTACCCACCTTGTTTTCAGACTTATTACTCTCAAATAACTGTATCATATAAGAGGGTGTATGGTCCAGATTAAATGGACGGTTCGTGTGGTTCTATAACACGA

130,950

SNCA

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131,085

SNCA

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131,220

SNCA

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131,355

SNCA

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131,490

SNCA

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131,625

SNCA

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131,760

SNCA

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131,895

SNCA

TGGTTGTCTGTTTCCATATCTGAGACAATTTTCAGATCTGAAACATATGAGCTGAAGGGCAAACTGGGTTCTCAGGAGGAAGAACCTGCCTGAACAGGCAAAATGGACAATAATGATGAGAAAGTATTCCACAG
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132,030

SNCA

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SNCA

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SNCA

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SNCA

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SNCA

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SNCA

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SNCA

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SNCA

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SNCA

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SNCA

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SNCA

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SNCA

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SNCA

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SNCA

132,165
132,300
132,435
132,570
132,705
132,840
132,975
133,110
133,245
133,380
133,515
133,650
133,785
133,920
134,055
134,190
134,325
134,460
134,595

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134,730

SNCA

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134,865

SNCA

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135,000

SNCA

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135,135

SNCA

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135,270

SNCA

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135,405

SNCA

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135,540

SNCA

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135,675

SNCA

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135,810

SNCA

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135,945

SNCA

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136,080

SNCA

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136,215

SNCA

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136,350

SNCA

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136,485

SNCA

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136,620

SNCA

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136,755

SNCA

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136,890

SNCA

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137,025

SNCA

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137,160

SNCA

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137,295

SNCA

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137,430

SNCA

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137,565

SNCA

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137,700

SNCA

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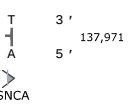
137,835

SNCA

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137,970

SNCA



Feature	Location	Size	Start	End	Type
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/note	= gene ENSG00000145335				
					Protein coding
SNCA-201	1 .. 114,217	114,217 bp			prim_transcript
/note	= primary transcript ENST00000336904				
SNCA-216	1006 .. 137,971	136,966 bp			prim_transcript
/note	= primary transcript ENST00000673902				
SNCA-217	1006 .. 112,973	111,968 bp			prim_transcript
/note	= primary transcript ENST00000674129				
SNCA-204	1117 .. 114,211	113,095 bp			prim_transcript
/note	= primary transcript ENST00000394989				
SNCA-209	1148 .. 111,739	110,592 bp			prim_transcript
/note	= primary transcript ENST00000506244				
SNCA-205	1155 .. 114,217	113,063 bp			prim_transcript
/note	= primary transcript ENST00000394991				
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SNCA-210	1240 .. 15,964	14,725 bp			prim_transcript
/note	= primary transcript ENST00000506691				
SNCA-214	1301 .. 114,201	112,901 bp			prim_transcript
/note	= primary transcript ENST00000673718				
SNCA-206	1340 .. 114,217	112,878 bp			prim_transcript
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/note	= primary transcript ENST00000501215				
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/note	= primary transcript ENST00000502987				
SNCA-208	2631 .. 111,700	109,070 bp			prim_transcript
/note	= primary transcript ENST00000505199				
SNCA-202	2636 .. 112,432	109,797 bp			prim_transcript
/note	= primary transcript ENST00000345009				
SNCA-216	2649 .. 135,997	133,349 bp			CDS
▶ 5 segments = 456 bp					
/note	= coding sequence ENSP00000501102				
/translation	= MDVFMKGLSKAKEGVVAAA EAKTKQGVAAEAGKTKEGVLV,,GSKTKEGVVHGVAT,,VA EKTKEQVTNVGGAVVTGV TAVA QKTVEGAGSIAAATGFVKKDQLGK,,NEEGAPQEGILEDMPVDPDNEAYEMPSE,,PPCCCE				
	14.5 kDa				
SNCA-201	2649 .. 111,688	109,040 bp			CDS
▶ 5 segments = 423 bp					
/note	= coding sequence ENSP00000338345				
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	14.5 kDa				
SNCA-202	2649 .. 111,688	109,040 bp			CDS
▶ 4 segments = 339 bp					
/note	= coding sequence ENSP00000343683				
/translation	= MDVFMKGLSKAKEGVVAAA EAKTKQGVAAEAGKTKEGVLV,,GSKTKEGVVHGVAT,,VA EKTKEQVTNVGGAVVTGV TAVA QKTVEGAGSIAAATGFVKKDQLGK,,EGYQDYEPEA *				
	112 amino acids = 11.4 kDa				
SNCA-203	2649 .. 111,688	109,040 bp			CDS
▶ 5 segments = 423 bp					
/note	= coding sequence ENSP00000378437				
/translation	= MDVFMKGLSKAKEGVVAAA EAKTKQGVAAEAGKTKEGVLV,,GSKTKEGVVHGVAT,,VA EKTKEQVTNVGGAVVTGV TAVA QKTVEGAGSIAAATGFVKKDQLGK,,NEEGAPQEGILEDMPVDPDNEAYEMPSE,,EGYQD				
	14.5 kDa				
SNCA-204	2649 .. 111,688	109,040 bp			CDS
▶ 4 segments = 381 bp					
/note	= coding sequence ENSP00000378440				
/translation	= MDVFMKGLSKAKEGVVAAA EAKTKQGVAAEAGKTKEGVLV,,VA EKTKEQVTNVGGAVVTGV TAVA QKTVEGAGSIAAATGFVKKDQLGK,,NEEGAPQEGILEDMPVDPDNEAYEMPSE,,EGYQDYEPEA *				
	126 amino acids = 13.1 kDa				
SNCA-205	2649 .. 111,688	109,040 bp			CDS
▶ 5 segments = 423 bp					
/note	= coding sequence ENSP00000378442				
/translation	= MDVFMKGLSKAKEGVVAAA EAKTKQGVAAEAGKTKEGVLV,,GSKTKEGVVHGVAT,,VA EKTKEQVTNVGGAVVTGV TAVA QKTVEGAGSIAAATGFVKKDQLGK,,NEEGAPQEGILEDMPVDPDNEAYEMPSE,,EGYQD				
	14.5 kDa				
SNCA-206	2649 .. 111,688	109,040 bp			CDS
▶ 4 segments = 339 bp					
/note	= coding sequence ENSP00000396241				
/translation	= MDVFMKGLSKAKEGVVAAA EAKTKQGVAAEAGKTKEGVLV,,GSKTKEGVVHGVAT,,VA EKTKEQVTNVGGAVVTGV TAVA QKTVEGAGSIAAATGFVKKDQLGK,,EGYQDYEPEA *				
	112 amino acids = 11.4 kDa				

Feature	Location	Size	Type
SNCA-208	2649 .. 111,688	109,040 bp	CDS
▶ 4 segments = 381 bp			
/note	= coding sequence ENSP00000421485		
/translation	= MDVFMKGLSKAKEGVVAAAEKTKQGVAAEAGKTKEGVLYV,,VAEKTKEQVTNVGGAVVTGVTAVAQKTVEGAGSIAAATGFVKKDKQLGK,,NEEGAPQEGILEMPVDPDNEAYEMPSE,,EGYQDYEPEA* 126 amino acids = 13.1 kDa		
SNCA-209	2649 .. 111,688	109,040 bp	CDS
▶ 5 segments = 423 bp			
/note	= coding sequence ENSP00000422238		
/translation	= MDVFMKGLSKAKEGVVAAAEKTKQGVAAEAGKTKEGVLYV,,GSKTKEGVVHGVAT,,VAEKTKEQVTNVGGAVVTGVTAVAQKTVEGAGSIAAATGFVKKDKQLGK,,NEEGAPQEGILEMPVDPDNEAYEMPSE,,EGYQDYEPEA* 140 amino acids = 14.5 kDa		
SNCA-211	2649 .. 111,688	109,040 bp	CDS
▶ 5 segments = 423 bp			
/note	= coding sequence ENSP00000426955		
/translation	= MDVFMKGLSKAKEGVVAAAEKTKQGVAAEAGKTKEGVLYV,,GSKTKEGVVHGVAT,,VAEKTKEQVTNVGGAVVTGVTAVAQKTVEGAGSIAAATGFVKKDKQLGK,,NEEGAPQEGILEMPVDPDNEAYEMPSE,,EGYQDYEPEA* 140 amino acids = 14.5 kDa		
SNCA-212	2649 .. 111,688	109,040 bp	CDS
▶ 3 segments = 297 bp			
/note	= coding sequence ENSP00000479604		
/translation	= MDVFMKGLSKAKEGVVAAAEKTKQGVAAEAGKTKEGVLYV,,VAEKTKEQVTNVGGAVVTGVTAVAQKTVEGAGSIAAATGFVKKDKQLGK,,EGYQDYEPEA* 98 amino acids = 10.0 kDa		
SNCA-213	2649 .. 111,688	109,040 bp	CDS
▶ 4 segments = 381 bp			
/note	= coding sequence ENSP00000484044		
/translation	= MDVFMKGLSKAKEGVVAAAEKTKQGVAAEAGKTKEGVLYV,,VAEKTKEQVTNVGGAVVTGVTAVAQKTVEGAGSIAAATGFVKKDKQLGK,,NEEGAPQEGILEMPVDPDNEAYEMPSE,,EGYQDYEPEA* 126 amino acids = 13.1 kDa		
SNCA-214	2649 .. 111,688	109,040 bp	CDS
▶ 5 segments = 423 bp			
/note	= coding sequence ENSP00000500990		
/translation	= MDVFMKGLSKAKEGVVAAAEKTKQGVAAEAGKTKEGVLYV,,GSKTKEGVVHGVAT,,VAEKTKEQVTNVGGAVVTGVTAVAQKTVEGAGSIAAATGFVKKDKQLGK,,NEEGAPQEGILEMPVDPDNEAYEMPSE,,EGYQDYEPEA* 140 amino acids = 14.5 kDa		
SNCA-217	2649 .. 111,688	109,040 bp	CDS
▶ 7 segments = 480 bp			
/note	= coding sequence ENSP00000501269		
/translation	= MDVFMKGLSKAKEGVVAAAEKTKQGVAAEAGKTKEGVLYV,,GSKTKEGVVHGVAT,,VAEKTKEQVTNVGGAVVTGVTAVAQKTVEGAGSIAAATGFVKKDKQLGK,,SSLRNEC,,SPEPAASTDQSQ,,NEEGAPQEGILEMPTVQVRRNFAKTRHPSLELQDYEPEA* 199 amino acids = 21.4 kDa		
SNCA-212	2649 .. 111,688	109,040 bp	prim_transcript
/note	= primary transcript ENST00000611107		
SNCA-207	2649 .. 16,112	13,464 bp	CDS
▶ 3 segments = 348 bp			
/note	= coding sequence ENSP00000426034		
/translation	= MDVFMKGLSKAKEGVVAAAEKTKQGVAAEAGKTKEGVLYV,,GSKTKEGVVHGVAT,,VAEKTKEQVTNVGGAVVTGVTAVAQKTVEGAGSIAAATGFVKKDKQLGKWLCTFCVTFISW* 115 amino acids = 11.8 kDa		
SNCA-210	2649 .. 15,964	13,316 bp	CDS
▶ 3 segments = 200 bp			
/note	= coding sequence ENSP00000423445		
/translation	= MDVFMKGLSKAKEGVVAAAEKTKQGVAAEAGKTKEGVLYV,,GSKTKEGVVHGVAT,,VAEKTKEQVTNVGGAVVTGVTAVAQKTVEGAGSIAAATGFVKKDKQLGKWLCTFCVTFISW* 66 amino acids = 6.8 kDa		
SNCA-AS1	3662 .. 1908	136,218 bp	gene
/note	= gene ENSG00000247775 lncRNA		
SNCA-AS1-202	3662 .. 1908	136,218 bp	prim_transcript
/note	= primary transcript ENST00000513653 lncRNA		
Donor Template SNV -> REV	10,082 .. 10,181	100 bp	misc_feature
PAM	10,141 .. 10,143	3 bp	misc_feature
Protospacer Sequence	10,144 .. 10,163	20 bp	misc_feature
SNV	10,146 .. 10,146	1 bp	misc_feature
/note	= REV=G SNV=A		
SNCA-215	66,359 .. 114,203	47,845 bp	prim_transcript
/note	= primary transcript ENST00000673766		
	82,463 .. 90,514	8052 bp	gene
/note	= gene ENSG00000277695 lncRNA		
	82,463 .. 90,514	8052 bp	prim_transcript
/note	= primary transcript ENST00000615968 lncRNA		
	89,162 .. 90,033	872 bp	gene
/note	= gene ENSG00000276542 lncRNA		
	89,162 .. 90,033	872 bp	prim_transcript
/note	= primary transcript ENST00000620420 lncRNA		
	94,011 .. 94,524	514 bp	gene
/note	= gene ENSG00000274238 lncRNA		
	94,011 .. 94,524	514 bp	prim_transcript
/note	= primary transcript ENST00000610572 lncRNA		

Feature		Location	Size			Type
		111,564 .. 427,356	315,793 bp			gene
/note	= gene ENSG00000251095 lncRNA					
		111,564 .. 117,974	6411 bp			prim_transcript
/note	= primary transcript ENST00000621944 lncRNA					
		111,669 .. 427,356	315,688 bp			prim_transcript
/note	= primary transcript ENST00000659878 lncRNA					
		111,813 .. 286,926	175,114 bp			prim_transcript
/note	= primary transcript ENST00000508021 lncRNA					
		118,144 .. 210,532	92,389 bp			prim_transcript
/note	= primary transcript ENST00000507916 lncRNA					
		118,144 .. 156,811	38,668 bp			prim_transcript
/note	= primary transcript ENST00000689416 lncRNA					
		118,144 .. 156,811	38,668 bp			prim_transcript
/note	= primary transcript ENST00000691837 lncRNA					
		133,726 .. 255,809	122,084 bp			gene
/note	= gene ENSG00000288563 lncRNA					
		133,726 .. 255,809	122,084 bp			prim_transcript
/note	= primary transcript ENST00000673949 lncRNA					

Primer	Length	Binding Sites	Tm	Date Added
✓ PCR Reverse	21-mer	9947 .. 9967 →	58°C	Jun 16, 2022
/sequence = TGTGGTGGTTACTGGAGTTCC 52% GC / 6499.3 Da				
✓ Donor Template SNV -> REV	100-mer	10,082 .. 10,181 →	75°C	Jun 16, 2022
/sequence = cagcaatttaaggctagcttgagacttatgtcttgaattgttttagGCTCCAAAACCAAGGAGGGAGTGGTGCATGGTGTGGCAACAGtaagctc 45% GC / 31,077.3 Da				
✓ gRNA Protospacer	20-mer	10,147 .. 10,163 ←	59°C	Jun 16, 2022
/sequence = ACCATGCACCACTCCCTTCT 55% GC / 5932.9 Da				
✓ PCR Forward	22-mer	10,366 .. 10,387 ←	57°C	Jun 16, 2022
/sequence = GCCCTCATTATTCTTGGCAAGT 45% GC / 6676.4 Da				
✓ Sanger Sequencing Primer	22-mer	10,366 .. 10,387 ←	57°C	Jun 16, 2022
/sequence = GCCCTCATTATTCTTGGCAAGT 45% GC / 6676.4 Da				