

Exon 1| Start: 5001 | End: 5188

```

      |           |           |           |
cagcgcgggccttgGTGGCGCGAGCTTCTGAAACTAGGCGGCAGAGGCGGA
      |           |           |           |
GCCGCTGTGGCACTGCTGCGCCTCTGCTGCGCCTCGGGTGTCTTTGCGG
      |           |           |           |
CGGTGGGTGCGCGCCGGGAGAAGCGTGAGGGGACAGATTTGTGACCGGCG
      |           |           |           |
CGGTTTTTGTGAGCTTACTCCGGCCAAAAAAGAACTGCACCTCTGGAGCG

Ggttagtggtggtg

```

Exon 2| Start: 5943 | End: 6048

```

      |           |           |           |
tctgttttgcagaACTTATTTACCAAGCATTGGAGGAATATCGTAGGTAA
      |           |           |           |
AAATGCCTATTGGATCCAAAGAGAGGCCAACATTTTTTGAAATTTTAAAG
      |           |
ACACGCTGCAACAAAGCAGgtattgacaaatt

```

Exon 3| Start: 8598 | End: 8846

```

      |           |           |           |
ttttttaaatagaATTAGGACCAATAAGTCTTAATTGGTTTGAAGAAGT
      |           |           |           |
TTCTTCAGAAGCTCCACCCTATAATTCTGAACCTGCAGAAGAATCTGAAC
      |           |           |           |
ATAAAAAACAACAATTACGAACCAAACCTATTTAAAACTCCACAAAGGAAA
      |           |           |           |
CCATCTTATAATCAGCTGGCTTCAACTCCAATAATATTCAAAGAGCAAGG
      |           |           |           |

```



```

ctttcctcccaggGGTCGTCAGACACCAAAACATATTTCTGAAAGTCTAG
      |           |           |           |           |
GAGCTGAGGTGGATCCTGATATGTCTTGGTCAAGTTCTTTAGCTACACCA
      |           |           |
CCCACCCTTAGTTCTACTGTGCTCATAGgtaataatagcaa

```

Exon 8| Start: 18964 | End: 19013

```

      |           |           |           |
tttatcttacagtTCAGAAATGAAGAAGCATCTGAAACTGTATTTCTCTCA
      |
TGATACTACTGCTgtaagtaaataatg

```

Exon 9| Start: 20440 | End: 20551

```

      |           |           |           |
taatTTTTgcagaAATGTGAAAAGCTATTTTTCCAATCATGATGAAAGTC
      |           |           |           |           |
TGAAGAAAAAATGATAGATTTATCGCTTCTGTGACAGACAGTGAAAACACA
      |           |
AATCAAAGAGAAGCTGCAAGTCATGgtaagtcctctgt

```

Exon 10| Start: 21793 | End: 22908

```

      |           |           |           |
atactttaacaggGATTTGGA AAAACATCAGGGAATTCATTAAAGTAAA
      |           |           |           |           |
TAGCTGCAAAGACCACATTGGAAGTCAATGCCAAATGTCCTAGAAGATG
      |           |           |           |           |
AAGTATATGAAACAGTTGTAGATACCTCTGAAGAAGATAGTTTTTCATTA
      |           |           |           |           |
TGTTTTTCTAAATGTAGAACAAAAAATCTACAAAAAGTAAGAACTAGCAA
      |           |           |           |           |
GACTAGGAAAAAAATTTCCATGAAGCAAACGCTGATGAATGTGAAAAAAT

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```

      |           |           |           |
CTAAAAACCAAGTGAAAGAAAAATACTCATTTGTATCTGAAGTGAACCA
      |           |           |           |
AATGATACTGATCCATTAGATTCAAATGTAGCAAATCAGAAGCCCTTTGA
      |           |           |           |
GAGTGGAAGTGACAAAATCTCCAAGGAAGTTGTACCGTCTTTGGCCTGTG
      |           |           |           |
AATGGTCTCAACTAACCCTTTTCAGGTCTAAATGGAGCCCAGATGGAGAAA
      |           |           |           |
ATACCCCTATTGCATATTTCTTCATGTGACCAAAATATTTTCAGAAAAAGA
      |           |           |           |
CCTATTAGACACAGAGAACAAAAGAAAGAAAGATTTTCTTACTTCAGAGA
      |           |           |           |
ATTCTTTGCCACGTATTTCTAGCCTACCAAAATCAGAGAAGCCATTAAAT
      |           |           |           |
GAGGAAACAGTGGTAAATAAGAGAGATGAAGAGCAGCATCTTGAATCTCA
      |           |           |           |
TACAGACTGCATTCTTGCAGTAAAGCAGGCAATATCTGGAACCTTCTCCAG
      |           |           |           |
TGGCTTCTTCATTTCAGGGTATCAAAAAGTCTATATTCAGAATAAGAGAA
      |           |           |           |
TCACCTAAAGAGACTTTCAATGCAAGTTTTTCAGGTCATATGACTGATCC
      |           |           |           |
AAACTTTAAAAAAGAAACTGAAGCCTCTGAAAGTGGACTGGAATACATA
      |           |           |           |
CTGTTTGCTCACAGAAGGAGGACTCCTTATGTCCAAATTTAATTGATAAT
      |           |           |           |
GGAAGCTGGCCAGCCACCACCACACAGAATTCTGTAGCTTTGAAGAATGC
      |           |           |           |
AGGTTTAATATCCACTTTGAAAAAGAAAACAAATAAGTTTATTTATGCTA
      |           |           |           |
TACATGATGAAACATCTTATAAAGGAAAAAAAAATACCGAAAGACCAAAAA
      |           |           |           |
TCAGAACTAATTAAGTTCAGCCAGTTTGAAGCAAATGCTTTTGAAGC
      |           |           |
ACCACCTACATTTGCAAATGCTGATTCAGgtacctctgtcctt

```

Exon 11 | Start: 25786 | End: 30717

```

      |           |           |
ttttatgtttaggGTTTATTGCATTCTTCTGTGAAAAGAAGCTGTTTCA
      |           |           |

```

GAATGATTCTGAAGAACCAACTTTGTCCTTAAGCTCTTTTGGGACAA
| | | | |
TTCTGAGGAAATGTTCTAGAAATGAAACATGTTCTAATAATACAGTAATC
| | | | |
TCTCAGGATCTTGATTATAAAGAAGCAAAATGTAATAAGGAAAACTACA
| | | | |
GTTATTTATTACCCAGAAGCTGATTCTCTGTCATGCCTGCAGGAAGGAC
| | | | |
AGTGTGAAATGATCCAAAAAGCAAAAAGTTTCAGATATAAAGAAGAG
| | | | |
GTCTTGGCTGCAGCATGTCACCCAGTACAACATTCAAAAGTGAATACAG
| | | | |
TGATACTGACTTTCAATCCCAGAAAAGTCTTTTATATGATCATGAAAATG
| | | | |
CCAGCACTCTTATTTTAACTCCTACTTCCAAGGATGTTCTGTCAAACCTA
| | | | |
GTCATGATTCTAGAGGCAAAGAATCATACAAAATGTCAGACAAGCTCAA
| | | | |
AGGTAACAATTATGAATCTGATGTTGAATTAACCAAAAATATTCCCATGG
| | | | |
AAAAGAATCAAGATGTATGTGCTTTAAATGAAAATTATAAAAAAGTTGAG
| | | | |
CTGTTGCCACCTGAAAAATACATGAGAGTAGCATCACCTTCAAGAAAGGT
| | | | |
ACAATTCAACCAAAACACAAATCTAAGAGTAATCCAAAAAATCAAGAAG
| | | | |
AAACTACTTCAATTTCAAAAATAACTGTCAATCCAGACTCTGAAGAAGTT
| | | | |
TTCTCAGACAATGAGAATAATTTTGTCTTCCAAGTAGCTAATGAAAGGAA
| | | | |
TAATCTTGCTTTAGGAAATACTAAGGAACTTCATGAAACAGACTTGACTT
| | | | |
GTGTAAACGAACCCATTTTCAAGAACTCTACCATGGTTTTATATGGAGAC
| | | | |
ACAGGTGATAAACAAGCAACCCAAGTGTCAATTAAAAAAGATTTGGTTTA
| | | | |
TGTTCTTGAGAGGAGAAACAAAAATAGTGTAAGCAGCATATAAAATGA
| | | | |
CTCTAGGTCAAGATTTAAAAATCGGACATCTCCTTGAATATAGATAAAATA
| | | | |
CCAGAAAAAATAATGATTACATGAACAAATGGGCAGGACTCTTAGGTCC
| | | | |
AATTTCAAATCACAGTTTGGAGGTAGCTTCAGAACAGCTTCAAATAAGG
| | | | |
AAATCAAGCTCTCTGAACATAACATTAAGAAGAGCAAAATGTTCTTCAAA
| | | | |

GATATTGAAGAACAATATCCTACTAGTTTAGCTTGTGTTGAAATTGTAAA
| | | | |
TACCTTGGCATTAGATAATCAAAAGAACTGAGCAAGCCTCAGTCAATTA
| | | | |
ATACTGTATCTGCACATTTACAGAGTAGTGTAGTTGTTTCTGATTGTAAA
| | | | |
AATAGTCATATAACCCCTCAGATGTTATTTTCCAAGCAGGATTTTAATTC
| | | | |
AAACCATAATTTAACACCTAGCCAAAAGGCAGAAATTACAGAACTTTCTA
| | | | |
CTATATTAGAAGAATCAGGAAGTCAGTTTGAATTTACTCAGTTTAGAAAA
| | | | |
CCAAGCTACATATTGCAGAAGGTACATTTGAAGTGCCTGAAAACAGAT
| | | | |
GACTATCTTAAAGACCACTTCTGAGGAATGCAGAGATGCTGATCTTCATG
| | | | |
TCATAATGAATGCCCCATCGATTGGTCAGGTAGACAGCAGCAAGCAATTT
| | | | |
GAAGGTACAGTTGAAATTAAACGGAAGTTTGCTGGCCTGTTGAAAAATGA
| | | | |
CTGTAACAAAAGTGCTTCTGTTATTTAACAGATGAAAATGAAGTGGGGT
| | | | |
TTAGGGGCTTTTATTCTGCTCATGGCACAAAAGTGAATGTTTCTACTGAA
| | | | |
GCTCTGCAAAAAGCTGTGAAAGTGTTTAGTGATATTGAGAATATTAGTGA
| | | | |
GGAAACTTCTGCAGAGGTACATCCAATAAGTTTATCTTCAAGTAAATGTC
| | | | |
ATGATTCTGTTGTTTCAATGTTTAAGATAGAAAATCATAATGATAAACT
| | | | |
GTAAGTGAAAAAATAATAAATGCCAACTGATATTACAAAATAATATTGA
| | | | |
AATGACTACTGGCACTTTTGTTGAAGAAATTACTGAAAATTACAAGAGAA
| | | | |
ATACTGAAAATGAAGATAACAAATATACTGCTGCCAGTAGAAAATTCTCAT
| | | | |
AACTTAGAATTTGATGGCAGTGATTCAAGTAAAAATGATACTGTTTGTAT
| | | | |
TCATAAAGATGAAACGGACTTGCTATTTACTGATCAGCACAAACATATGTC
| | | | |
TTAAATTATCTGGCCAGTTTATGAAGGAGGAAAACACTCAGATTAAAGAA
| | | | |
GATTTGTCAGATTTAACTTTTTTGAAGTTGCGAAAGCTCAAGAAGCATG
| | | | |
TCATGGTAATACTTCAAATAAAGAACAGTTAACTGCTACTAAAACGGAGC
| | | | |

```

AAAATATAAAAGATTTTGAGACTTCTGATACATTTTTTCAGACTGCAAGT
|           |           |           |           |
GGGAAAAATATTAGTGTGCGCAAAGAGTCATTTAATAAAATTGTAAATTT
|           |           |           |           |
CTTTGATCAGAAACCAGAAGAATTGCATAACTTTTCCTTAAATTCTGAAT
|           |           |           |           |
TACATTCTGACATAAGAAAGAACAAAATGGACATTCTAAGTTATGAGGAA
|           |           |           |           |
ACAGACATAGTTAAACACAAAATACTGAAAGAAAAGTGTCACAGTTGGTAC
|           |           |           |           |
TGGAAATCAACTAGTGACCTTCCAGGGACAACCCGAACGTGATGAAAAGA
|           |           |           |           |
TCAAAGAACCTACTCTATTGGGTTTTCATACAGCTAGCGGGAAAAAAGTT
|           |           |           |           |
AAAATTGCAAAGGAATCTTTGGACAAAGTGAAAAACCTTTTGTATGAAAA
|           |           |           |           |
AGAGCAAGGTACTAGTGAAATCACCAGTTTTAGCCATCAATGGGCAAAGA
|           |           |           |           |
CCCTAAAGTACAGAGAGGCCTGTAAAGACCTTGAATTAGCATGTGAGACC
|           |           |           |           |
ATTGAGATCACAGCTGCCCCAAAGTGTAAGAAATGCAGAAATCTCTCAA
|           |           |           |           |
TAATGATAAAAACCTTGTTTCTATTGAGACTGTGGTGCCACCTAAGCTCT
|           |           |           |           |
TAAGTGATAATTTATGTAGACAAACTGAAAATCTCAAAACATCAAAAAGT
|           |           |           |           |
ATCTTTTGTAAAGTTAAAGTACATGAAAATGTAGAAAAAGAAACAGCAAA
|           |           |           |           |
AAGTCCTGCAACTTGTTACACAAATCAGTCCCCTTATTCAGTCATTGAAA
|           |           |           |           |
ATTCAGCCTTAGCTTTTACACAAGTTGTAGTAGAAAAACTTCTGTGAGT
|           |           |           |           |
CAGACTTCATTACTTGAAGCAAAAAAATGGCTTAGAGAAGGAATATTTGA
|           |           |           |           |
TGGTCAACCAGAAAGAATAAAATACTGCAGATTATGTAGGAAATTATTTGT
|           |           |           |           |
ATGAAAATAATTCAAACAGTACTATAGCTGAAAATGACAAAAATCATCTC
|           |           |           |           |
TCCGAAAAACAAGATACTTATTTAAGTAACAGTAGCATGTCTAACAGCTA
|           |           |           |           |
TTCCTACCATTCTGATGAGGTATATAATGATTCAGGATATCTCTCAAAAA
|           |           |           |           |
ATAAACTTGATTCTGGTATTGAGCCAGTATTGAAGAATGTTGAAGATCAA
|           |           |           |           |
AAAAACACTAGTTTTTCCAAAGTAATATCCAATGTAAAAGATGCAATGC
|           |           |           |           |

```

ATACCCACAAACTGTAAATGAAGATATTTGCGTTGAGGAACCTGTGACTA
GCTCTTCACCCCTGCAAAAATAAAAAATGCAGCCATTAAATTGTCCATATCT
AATAGTAATAATTTTGAGGTAGGGCCACCTGCATTAGGATAGCCAGTGG
TAAAAATCGTTTGTGTTTCACATGAAACAATTAAAAAAGTGAAAGACATAT
TTACAGACAGTTTCAGTAAAGTAATTAAGGAAAAACAACGAGAATAAATCA
AAAAATTTGCCAAACGAAAATTATGGCAGGTTGTTACGAGGCATTGGATGA
TTCAGAGGATATTCTTCATAACTCTCTAGATAATGATGAATGTAGCACGC
ATTCACATAAGGTTTTTGCTGACATTCAGAGTGAAGAAATTTTACAACAT
AACCAAAATATGTCTGGATTGGAGAAAGTTTCTAAAAATATCACCTTGTA
TGTTAGTTTGGAACCTTCAGATATATGTAAATGTAGTATAGGGAAGCTTC
ATAAGTCAGTCTCATCTGCAAATACTTGTGGGATTTTTAGCACAGCAAGT
GGAAAAATCTGTCCAGGTATCAGATGCTTCATTACAAAACGCAAGACAAGT
GTTTTCTGAAATAGAAGATAGTACCAAGCAAGTCTTTTCCAAAGTATTGT
TTAAAAAGTAACGAACATTTCAGACCAGCTCACAAGAGAAGAAAATACTGCT
ATACGTACTCCAGAACATTTAATATCCCAAAAAGGCTTTTTCATATAATGT
GGTAAATTTCATCTGCTTTCTCTGGATTTAGTACAGCAAGTGGAAGCAAG
TTTCCATTTTAGAAAAGTTCCTTACACAAAGTTAAGGGAGTGTTAGAGGAA
TTTGATTTAATCAGAACTGAGCATAGTCTTCACTATTACCTACGTCTAG
ACAAAAATGTATCAAAAAATACTTCCCTCGTGTTGATAAGAGAAACCCAGAGC
ACTGTGTAAACTCAGAAATGGAACCAACCTGCAGTAAAGAATTTAAATTA
TCAAATAACTTAAATGTTGAAGGTGGTTCTTCAGAAAAATAATCACTCTAT
TAAAGTTTCTCCATATCTCTCTCAATTTCAACAAGACAAACAACAGTTGG
TATTAGGAACCAAAGTGTCACTTGTGAGAACATTCATGTTTTGGGAAAAA

GAACAGGCTTCACCTAAAAACGTAAAAATGGAAATTGGTAAAACTGAAAC
 | | | | |
 TTTTCTGATGTTCTGTGAAAACAAATATAGAAGTTTGTCTACTTACT
 | | | | |
 CCAAAGATTCAGAAAACTACTTTGAAACAGAAGCAGTAGAAATTGCTAAA
 | | | | |
 GCTTTTATGGAAGATGATGAACTGACAGATTCTAACTGCCAAGTCATGC
 | | | | |
 CACACATTCTCTTTTACATGTCCCGAAAAATGAGGAAATGGTTTGTCAA
 | | | | |
 ATTCAAGAATTGAAAAAGAAGAGGAGAGCCCCTTATCTTAGTGGgtaag
 tggttcatt

Exon 12| Start: 34079 | End: 34174

atttcttttaggGAGAACCCTCAATCAAAAGAACTTATTAAATGAATT
 | | | | |
 TGACAGGATAATAGAAAAATCAAGAAAAATCCTTAAAGGCTTCAAAAAGCA
 |
 CTCCAGATGgtaaaattagctt

Exon 13| Start: 36348 | End: 36417

attgtttcctaggGCACAATAAAAGATCGAAGATTGTTTATGCATCATGT
 | | | | |
 TTCTTTAGAGCCGATTACCTGTGTACCCCTTTCGgtaagacatgttt

Exon 14| Start: 44382 | End: 44809

tccccattgcagcCACAATAAGGAACGTCAAGAGATACAGAATCCAAAT

```

|           |           |           |           |
TTTACCGCACCTGGTCAAGAATTTCTGTCTAAATCTCATTGTATGAACA
|           |           |           |           |
TCTGACTTTGGAAAAATCTTCAAGCAATTTAGCAGTTTCAGGACATCCAT
|           |           |           |           |
TTTATCAAGTTTCTGCTACAAGAAATGAAAAAATGAGACACTTGATTACT
|           |           |           |           |
ACAGGCAGACCAACCAAAGTCTTTGTTCCACCTTTTAAACTAAATCACA
|           |           |           |           |
TTTTACAGAGTTGAACAGTGTGTAGGAATATTAAGTTGGAGGAAAACA
|           |           |           |           |
GACAAAAGCAAAACATTGATGGACATGGCTCTGATGATAGTAAAAATAAG
|           |           |           |           |
ATTAATGACAATGAGATTCATCAGTTTAACAAAAACAACCTCCAATCAAGC
|           |           |           |           |
AGCAGCTGTAACTTTCACAAAGTGTGAAGAAGAACCTTTAGgtattgtat

```

gaca

Exon 15 | Start: 45949 | End: 46130

```

|           |           |           |           |
attcctttgatagaATTTAATTACAAGTCTTCAGAATGCCAGAGATATACA
|           |           |           |           |
GGATATGCGAATTAAGAAGAAACAAAGGCAACGCGTCTTTCCACAGCCAG
|           |           |           |           |
GCAGTCTGTATCTTGCAAAAACATCCACTCTGCCTCGAATCTCTCTGAAA
|           |           |           |           |
GCAGCAGTAGGAGGCCAAGTTCCTCTGCGTGTCTCATAAACAGgtatg

```

tgtttgtc

Exon 16 | Start: 47263 | End: 47450

```

|           |           |           |
tattttgtgtagcCTGTATACGTATGGCGTTTCTAAACATTGCATAAAAA
|           |           |           |           |
TTAACAGCAAAAATGCAGAGTCTTTTCAGTTTCACACTGAAGATTATTTT

```

```

|       |       |       |       |
GGTAAGGAAAGTTTATGGACTGGAAAAGGAATACAGTTGGCTGATGGTGG
|       |       |       |       |
ATGGCTCATACCTCCAATGATGGAAAGGCTGGAAAAGAAGAATTTTATA
|
Ggtactctatgcaa

```

Exon 17| Start: 52044 | End: 52214

```

|       |       |       |
ttatttggtcaggGGCTCTGTGTGACACTCCAGGTGTGGATCCAAAGCTT
|       |       |       |       |
ATTTCTAGAATTTGGGTTTATAATCACTATAGATGGATCATATGGAAACT
|       |       |       |       |
GGCAGCTATGGAATGTGCCTTTCCTAAGGAATTGCTAATAGATGCCTAA
|       |       |       |
GCCCAGAAAGGGTGCTTCTTCAACTAAAATACAGgcaagtttaaagc

```

Exon 18| Start: 52700 | End: 53054

```

|       |       |       |       |
tttcacttttagaATATGATACGGAAATTGATAGAAGCAGAAGATCGGCT
|       |       |       |       |
ATAAAAAAGATAATGGAAAGGGATGACACAGCTGCAAAAACACTTGTTCT
|       |       |       |       |
CTGTGTTTCTGACATAATTTCAATTGAGCGCAAATATATCTGAAACTTCTA
|       |       |       |       |
GCAATAAAACTAGTAGTGCAGATACCCAAAAAGTGGCCATTATTGAACTT
|       |       |       |       |
ACAGATGGGTGGTATGCTGTTAAGGCCAGTTAGATCCTCCCCTCTTAGC
|       |       |       |       |
TGTCTTAAAGAATGGCAGACTGACAGTTGGTCAGAAGATTATTCTTCATG
|       |       |       |       |
GAGCAGAACTGGTGGGCTCTCCTGATGCCTGTACACCTCTTGAAGCCCCA
|
GAATCTCTTATGTTAAAGgtaaattaatttg

```

Exon 19| Start: 59923 | End: 60078

```
      |      |      |      |
taatttgtccagaATTTCTGCTAACAGTACTCGGCCTGCTCGCTGGTATA
      |      |      |      |
CCAAACTTGGATTCTTTCCTGACCCTAGACCTTTTCCTCTGCCCTTATCA
      |      |      |      |
TCGCTTTTCAGTGATGGAGGAAATGTTGGTTGTGTTGATGTAATTATTCA
      |      |
AAGAGCATACCCTATACAGgtatgatgtattc
```

Exon 20| Start: 60477 | End: 60621

```
      |      |      |      |
acattattacagtTGGATGGAGAAGACATCATCTGGATTATACATATTTTC
      |      |      |      |
GCAATGAAAGAGAGGAAGAAAAGGAAGCAGCAAAATATGTGGAGGCCCAA
      |      |      |      |
CAAAAGAGACTAGAAGCCTTATTCACTAAAATTCAGGAGGAATTTGAAGA
      |
ACATGAAGgtaaaattagtta
```

Exon 21| Start: 66191 | End: 66312

```
      |      |      |      |
ttgttttcttagaAAAACACAACAAAACCATATTTACCATCACGTGCACT
      |      |      |      |
AACAAGACAGCAAGTTCGTGCTTTGCAAGATGGTGACAGAGCTTTATGAAG
      |      |      |      |
CAGTGAAGAATGCAGCAGACCCAGCTTACCTTGAGgtgagagagtaag
```

Exon 22| Start: 68838 | End: 69036

```

      |           |           |           |
aaatggtcacaggGGTTATTTTCAGTGAAGAGCAGTTAAGAGCCTTGAATA
      |           |           |           |
ATCACAGGCAAATGTTGAATGATAAGAAACAAGCTCAGATCCAGTTGGAA
      |           |           |           |
ATTAGGAAGGCCATGGAATCTGCTGAACAAAAGGAACAAGGTTTATCAAG
      |           |           |           |
GGATGTCACAACCGTGTGGAAGTTGCGTATTGTAAGCTATTCAAAAAAAG
      |
AAAAAGATTTCAGgtaagtatgtaaa

```

Exon 23 | Start: 69271 | End: 69434

```

      |           |           |           |
ttctccaaacagtTTTACTGAGTATTTGGCGTCCATCATCAGATTTATA
      |           |           |           |
TTCTCTGTTAACAGAAGGAAAGAGATACAGAATTTATCATCTTGCAACTT
      |           |           |           |
CAAAATCTAAAAGTAAATCTGAAAGAGCTAACATACAGTTAGCAGCGACA
      |           |           |
AAAAAACTCAGTATCAACAACCTACCGgtacaaacctttc

```

Exon 24 | Start: 69528 | End: 69666

```

      |           |           |           |
tgttttctgtaggGTTTCAGATGAAATTTTATTTTCAGATTACCAGCCAC
      |           |           |           |
GGGAGCCCTTCACTTCAGCAAATTTTAGATCCAGACTTTCAGCCATCT
      |           |           |           |
TGTTCTGAGGTGGACCTAATAGGATTTGTCGTTTCTGTTGTGAAAAAAC
AGgtaatgcacaata

```

Exon 25 | Start: 84210 | End: 84454

```

      |           |           |           |
tttccattctaggGACTTGCCCCTTTCGTCTATTGTGTCAGACGAATGTTA
      |           |           |           |
CAATTTACTGGCAATAAAGTTTTGGATAGACCTTAATGAGGACATTATTA
      |           |           |           |
AGCCTCATATGTTAATTGCTGCAAGCAACCTCCAGTGGCGACCAGAATCC
      |           |           |           |
AAATCAGGCCTTCTTACTTTATTTGCTGGAGATTTTCTGTGTTTTCTGC
      |           |           |           |
TAGTCCAAAAGAGGGCCACTTTCAAGAGACATTCAACAAAATGAAAAATA

CTGTTGAGgtaaggttacttt

```

Exon 26 | Start: 86419 | End: 86565

```

      |           |           |           |
ttatTTTcttagaAATATTGACATACTTTGCAATGAAGCAGAAAACAAGC
      |           |           |           |
TTATGCATATACTGCATGCAAATGATCCCAAGTGGTCCACCCCAACTAAA
      |           |           |           |
GACTGTACTTCAGGGCCGTACACTGCTCAAATCATTCTGTGTACAGGAAA
      |
CAAGCTTCTGgtaagttaatgta

```

Exon 27 | Start: 87683 | End: 89193

```

      |           |           |           |
TTTTTTtatcagaATGTCTTCTCCTAATTGTGAGATATATTATCAAAGTC
      |           |           |           |
CTTTATCACTTTGTATGGCCAAAAGGAAGTCTGTTTCCACACCTGTCTCA
      |           |           |           |
GCCCAGATGACTTCAAAGTCTTGTAAGGGGAGAAAGAGATTGATGACCA
      |           |           |           |
AAAGAACTGCAAAAAGAGAAGAGCCTTGGATTCTTGAGTAGACTGCCTT
      |           |           |           |

```

TACCTCCACCTGTTAGTCCCATTGTGTACATTTGTTTCTCCGGCTGCACAG
| | | | |
AAGGCATTTTCAGCCACCAAGGAGTTGTGGCACCAAATACGAAACACCCAT
| | | | |
AAAGAAAAAAGAACTGAATTCTCCTCAGATGACTCCATTTAAAAAATTCA
| | | | |
ATGAAATTTCTCTTTTGAAAGTAATTCAATAGCTGACGAAGAACTTGCA
| | | | |
TTGATAAATACCCAAGCTCTTTTGTCTGGTTCAACAGGAGAAAAACAATT
| | | | |
TATATCTGTCTAGTGAATCCACTAGGACTGCTCCCACCAGTTCAGAAGATT
| | | | |
ATCTCAGACTGAAACGACGTTGTACTACATCTCTGATCAAAGAACAGGAG
| | | | |
AGTTCCCAGGCCAGTACGGAAGAATGTGAGAAAAATAAGCAGGACACAAT
| | | | |
TACAACTAAAAAATATATCTAAGCATTTGCAAAGGCGACAATAAATTATT
| | | | |
GACGCTTAACCTTTCCAGTTTATAAGACTGGAATATAATTTCAAACCACA
| | | | |
CATTAGTACTTATGTTGCACAATGAGAAAAGAAATTAGTTTCAAATTTAC
| | | | |
CTCAGCGTTTGTGTATCGGGCAAAAATCGTTTTGCCCGATTCCGTATTGG
| | | | |
TATACTTTTGCTTCAGTTGCATATCTTAAACTAAATGTAATTTATTAAC
| | | | |
TAATCAAGAAAAACATCTTTGGCTGAGCTCGGTGGCTCATGCCTGTAATC
| | | | |
CCAACACTTTGAGAAGCTGAGGTGGGAGGAGTGCTTGAGGCCAGGAGTTC
| | | | |
AAGACCAGCCTGGGCAACATAGGGAGACCCCATCTTTACAAAGAAAAAA
| | | | |
AAAAGGGGAAAAAGAAATCTTTTAAATCTTTGGATTGATCACTACAAGT
| | | | |
ATTATTTTACAAGTGAAATAAACATACCATTTCTTTTAGATTGTGTCAT
| | | | |
TAAATGGAATGAGGTCTCTTAGTACAGTTATTTTGATGCAGATAATTCCT
| | | | |
TTTAGTTTAGCTACTATTTTAGGGGATTTTTTTTAGAGGTAACCTACTAT
| | | | |
GAAATAGTTCTCCTTAATGCAAATATGTTGGTCTGCTATAGTTCCATCC
| | | | |
TGTTCAAAAGTCAGGATGAATATGAAGAGTGGTGTTCCTTTTGAGCAAT
| | | | |
TCTTCATCCTTAAGTCAGCATGATTATAAGAAAAATAGAACCCTCAGTGT
| | | | |

AACTCTAATTCCTTTTTACTATTCCAGTGTGATCTCTGAAATTAAATTAC
| | | | |
TTCAACTAAAAATTCAAATACTTTAAATCAGAAGATTTCATAGTTAATTT
| | | | |
ATTTTTTTTTTCAACAAAATGGTCATCCAACTCAAACCTGAGAAAATAT
| | |
CTTGCTTTCAAATTGGCACTGATTctgcctgctttat