

INK2J00008_TIA1_P351L_C03_AB
39,217 bp



TTTCTTTCTTTTCCCGCTTCTCCCTTTTGGATTAACCTCTTCTTATCTTTACAGCCGTCTCCCTTAATTTTACTTTTGATT
AAAGAAAGGAAAAGGGCGAAGAGGGGGAAAAACTAATTGGAGAAGAATAGAAAATGTCGGCAGAGGGAAATTAATAATGAAAACTAA

680

TIA1

TIA1-205

TIA1-205

TCCTACTGAAATTCTTCTTTTCAATTTTCTTCTCGGTGATAAGATTTTTTCTCCTCGAGGGTGCTTGTACTCATTTCAGTGC
AGGATGACTTTAAGAAGGAAAAGTAAAAGAAGAGCCACTATTCTAAAAAAAAGGAGGAGCTCCCACGAACATGAGTAAAAGTCAAG

765

TIA1

TIA1-205

TIA1-205

AGTAAACTTTTATTCTTGCAGTTGCCAATTGGAAAAAGCCAAGCATTCTTTAACCTCTGGCTTTCTTCTGTAGCACCCACC
TCATTTGAAATAAGAAGCTCAACGGTTAACCTTTTTTCGGTTTCGTAAAAAGAAATTGGAGACCGAAAAGGAAGACATCGTGGGTGG

850

TIA1

TIA1-205

TIA1-205

GACCAAAAAGCCTAACCCAGACACCCCAAGGATTTGGAAATCTCACCCAGAAGGAATATATCAATTGAGGGGAAATGGATTTAATA
CTGGTTTTTCGGATTGGTCTGTGGGGTTCTTAAACCTTTAGAGTGGGTCTTCTTATATAGTTAACTCCCTTTACCTAAATTAT

935

TIA1

TIA1-205

TIA1-205

TTATTTTATAGTCGTTTACTACTGTTGTGATTGACATGGTGTGAAACGAGCGGGCTGTAAATGCCCTAACATATTTACAGAGAA
AATAAAAATATCAGCAAATGATGACAACACTAACTGTACCACAACCTTGCTCGCCCCGACATTTACGGGATTGTATAAATGTCTCTT

1020

TIA1

TIA1-205

TIA1-205

TTTTTAGAGATAGCGTTAAATTACCGGAGCGTGGATATTTCTTTGTCTGTGGCTTCCCAACTGCGTTCTTTGTTTTTCGAGG
AAAAATCTCTATCGCAATTTAATGGCCTCGCACCTATAAAAAGAAACAGCACACCGAAGGGGTTGACGCAAGAAACAAAAAGCTCC

1105

TIA1

TIA1-205

TIA1-205

TATTATCGGATGAGTTGATCCTGCCTTTGTTGGCATTCTCGGAAGAAGAAAAGCTCAATGAGTTCTTGACATAGCTTTTTGTTT
ATAATAGCCTACTCAACTAGGACGGAAACAACCGTAAAGAGCCTTCTTCTTTTCGAGTTACTCAAGAACTGTATCGAAAAACAAA

1190

TIA1

TIA1-205

TIA1-205

TTCTTGGATGACATAGCTTTTTGTTTATATTCTTGGAACTACTGGCAGTTTGAGAGCTCCATGCATTAATAAATGCAATTTTAGGTT
AAGAACCTACTGTATCGAAAAACAAATATAAGAACCTTATGACCGTCAAACCTCTCGAGGTACGTAATTTTTTACGTTAAAAATCCAA

1275

TIA1

TIA1-205

TIA1-205

TCTCTTTGCAGCTCTCTAATAAAGTTGCTCTGAAGTACGATGTAATTGTTTTTTTACCTCCAAAATTTTTCCACTTTTAAAGTTGC
AGAGAAAACGTCGAGAGATTATTTCAACGAGACTTCATGCTACATTAACAAAAAATGGAGGTTTTAAAAAGGTGAAAATTCAACG

1360

TIA1

TIA1-205

TIA1-205

TATTTCTTGCTATATTGGAAATGTGGTTACACTTGTTTTCTTAATAGATTGTCAGTTAATCTGTTAGTAACCTTGAAATTTCTT
ATAAAGAACAGATATAACCTTTACACCAATGTGAACAAAAGAATTATCTAACAGTCAATTAGACAATCATTGGAACCTTTAAAGAA

1445

TIA1

TIA1-205

TIA1-205

TTCTCTATTCCTGAGGCTCAGAAAAGTATCTTTTTAGTAGGACGTAGCAATTAGTGCATGACCTTTGTTTTAGGAAAAGATTGTATC
AAGAGATAAGGACTCCGAGTCTTTTCATAGAAAAGTCATCCTGCATCGTTAATCACGTAATGGAACAAAATCCTTTCTAACATAG

1530

TIA1

TIA1-205

TIA1-205

TGTAGATGAATACTCCCTAAAAAATACTAGCCTCACGGTGTGGTGGGAATCTCTCCCTCTTGCCCTCTTAGCTATGACAGTCAT
ACATCTACTTATGAGGGATTTTTTATGATGATCGGAGTGCCACAACCACCTTAGAGAAGGGGAGAACGGGAGAATCGATACTGTCAGTA

1615

TIA1

TIA1-205

TIA1-205

CAGCATTTTGGGTTAAGGCACTGCTCGTGTTTTATAATGTAACTTAATATTCTCAGTATTAGTTTGAAAATGTTTAATTTTAGA
GTCGTAAAACCAATTCCGTGACGAGCACAAAATATTACATTTGAATTATAAGAGTCATAATCAAACCTTTTACAAATTTAAATCT

1700

TIA1

TIA1-205

TIA1-205

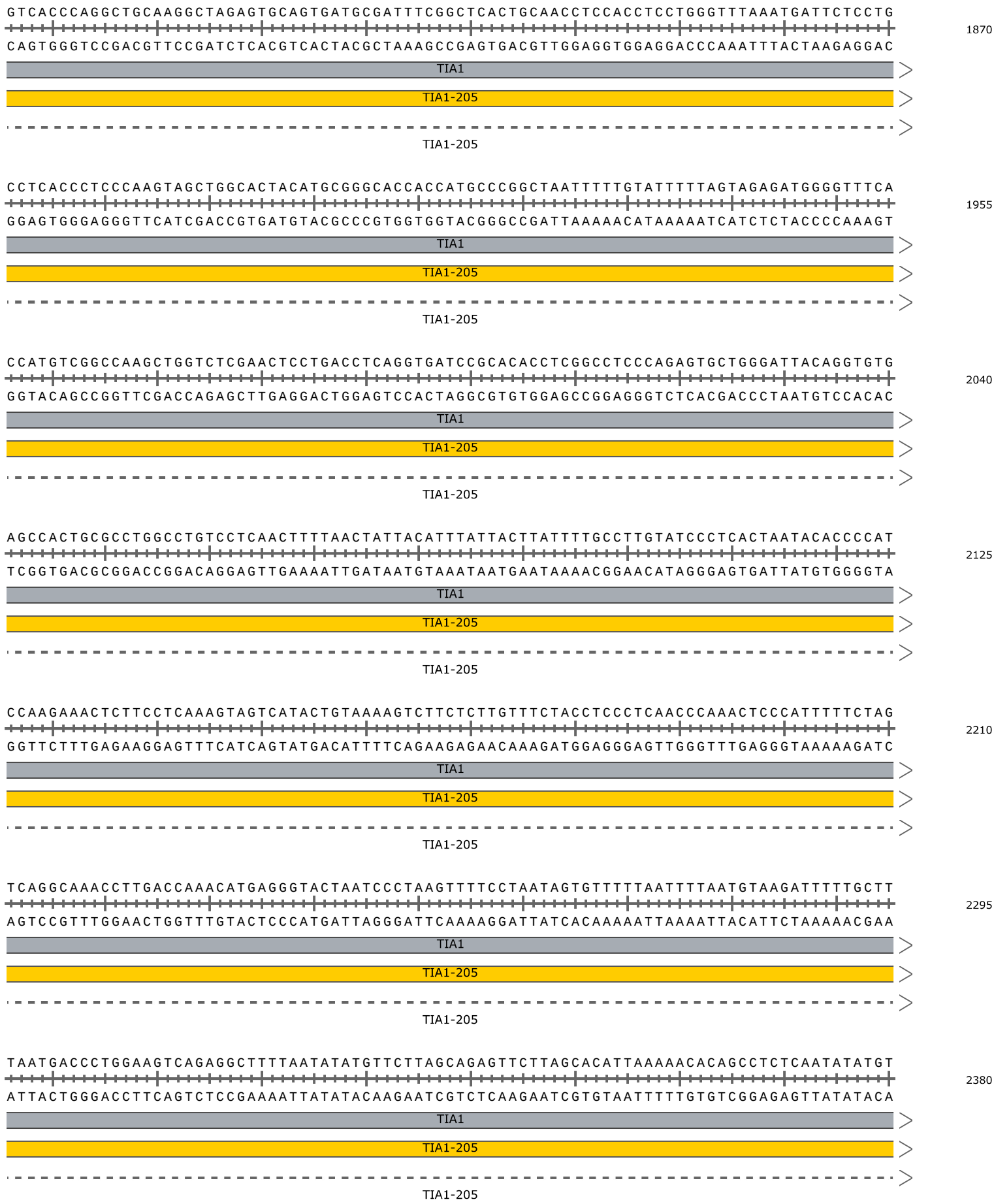
AACTGCAGAAGTATCTGACCACTTAACCTTTTTAACTTTTTAATTTTGTCTTTACTTTTTAATTTTTTGGAGATGGAGTCTCACTTT
TTGACGTCTTCATAGACTGGTGAATTGAAAAATTGAAAAATTAACAAAAATGAAAAATTAATAAATTAATAAATTAATAAATTAATAAAT

1785

TIA1

TIA1-205

TIA1-205



TCTTAGTGTGGTCCATGGTAAGTAATCAATACATTTGTTTAAGAACTGGTATAATTGGCTGGGCACAGTGGCTCACGCCTATAA
AGAATCACACCAGGTACCATTTCATTAGTTATGTAAACAAATTCTTTGACCATATTAACCGACCCGTGTCACCGAGTGCGGATATT

2465

TIA1

TIA1-205

TIA1-205

TCCTAACACTTTGGGGGGCTGAGGAGGGTGGATCACTTGAGGGCAGGAGTTCAAGACCAGCCTGGCCAACATGGCGAAACCCTGT
AGGATTGTGAAACCCCGACTCCTCCACCTAGTGAACCTCCCGTCTCTCAAGTTCTGGTCGGACCGGTTGTACCGCTTTGGGACA

2550

TIA1

TIA1-205

TIA1-205

CTCTACTACAAATACAAAAATTAAGTGAAGCATGGTGGCGCATGCCTGTAATCCCAGCTACTCGGGAGGCTGAGGAAGGAGAATCG
GAGATGATGTTTATGTTTTTAATTGACTCGTACCACCGCGTACGGACATTAGGGTCGATGAGCCCTCCGACTCCTTCTCTTAGC

2635

TIA1

TIA1-205

TIA1-205

CTTGAACCCGGGAGGTGGAGGTTGCAGTGAGCCGAGGTTGCGCCATTGCACTCCAGCCTGTGCAACAGGAGGGAGGCTCCATCTC
GAACTTGGGCCCTCCACCTCCAACGTCCTCGGCTCCAACGCGGTAACGTGAGGTCGGACACGTTGTCTCCCTCCGAGGTAGAG

2720

TIA1

TIA1-205

TIA1-205

AAAAAAAAAAAAAAAAAAAAAAAAAATCTGGTAGAATTTCAAGCAGTGAATTAAGATTTACTCTTTCTTGAGGATAAAAATAGAG
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAGACCATCTTAAAGTTTCGTCACTTAATTCTAAAATGAGAAAGAACTCCTATTTTATCTC

2805

TIA1

TIA1-205

TIA1-205

TCTGAATTTTTATCACCCACATACCTAAATGGCTCACTGGAAATTCCTTCATTTGCTACATCTGAGTGTTTCGGCATCTCCATGTT
AGACTTAAAAATAGTGGGTGTATGGATTTACCGAGTGACCTTTAAGGAAGTAAACGATGTAGACTCACAAAGCCGTAGAGGTACAA

2890

TIA1

TIA1-205

TIA1-205

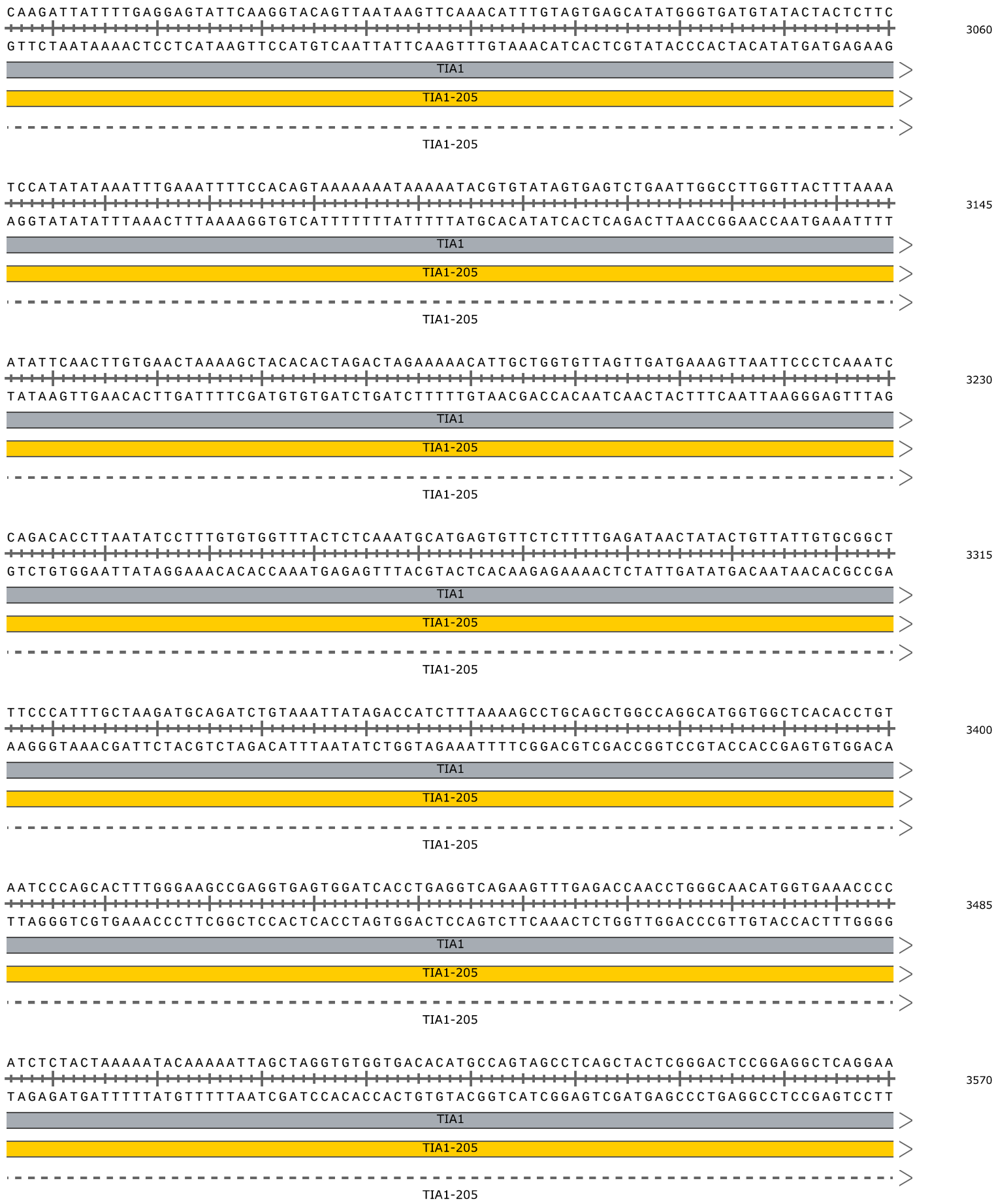
AAGTTAGAGAATACCAGTATTTGATTTCTTGTCACCAATACTTTGGAATCATATTCTGAGACAAACTTCCCGAAAGTTTATACTG
TTCAATCTCTTATGGTCATAAACTAAAGAACAGTGGTTATGAAACCTTAGTATAAGACTCTGTTTGAAGGGCTTTCAAATATGAC

2975

TIA1

TIA1-205

TIA1-205



GGAGAATCGCCCGGGAGGTGGAGGTTGCAGTGAGCCGAGATCACGCCACTGCACTCCAGCCTGGATGACAGAGCAAGACGGAGCC
CCTCTTAGCGGGCCCTCCACCTCCAACGTCACCTCGGCTCTAGTGCGGTGACGTGAGGTCGGACCTACTGTCTCGTTCTGCCTCGG

3655

TIA1

TIA1-205

TIA1-205

CAATTAATTGCTATATACTAATGAGGGCCTTGCCTTTCTTCTGCTCCATGCTCATCTTTCATTCTTGTGTCTACTCCACTCTCC
GTTAATTAACGATATATGATTACTCCCAGAACGGAAGAAGACGAGGTACGAGTAGAAAAGTAAGAACAACAGATGAGGTGAGAGG

3740

TIA1

TIA1-205

TIA1-205

AAATAGTATTGGCCTTGTAATTTGTATGAAATAAAATCTCTTGTATTGAGAATCAGACCTATCTTTTTTTTTTTTTTTTTTTTTT
TTTATCATAACCGAACATTAAACATACTTTATTTTAGAGAACATAACTCTTAGTCTGGATAGAAAAAAAAAAAAAAAAAAAAAAAAA

3825

TIA1

TIA1-205

TIA1-205

TGAGACAGAGTCTCGCTCTGTCACCCAGGCTGGAATGCAGTGGCCCAATCTTGGCTCACTGCAAGCTCTGCCTTCCAGGTTACG
ACTCTGTCTCAGAGCGAGACAGTGGGTCCGACCTTACGTCACCGGTTAGAACCGAGTGACGTTTCGAGACGGAAGGTCCAAGTGC

3910

TIA1

TIA1-205

TIA1-205

CCATTCTCCTGCCTCAGCCTCCGGAGTAGCTGGGACTGCAGGCACCCGCCACCACGCCTGGCTAATTTTTTGTATTTGTAGTAGA
GGTAAGAGGACGGAGTCGGAGGCCTCATCGACCCTGACGTCCGTGGGCGGTGGTGCGGACCGATTAAAAACATAAACATCATCT

3995

TIA1

TIA1-205

TIA1-205

GACACAGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGCGATCCGCCTGCCTCAGCCTCCCAAAGTGCTGGGAT
CTGTGTCAAAGTGGCACAATCGGTCCCTACCAGAGCTAGAGGACTGGAGCGCTAGGCGGACGGAGTCGGAGGGTTTCACGACCCTA

4080

TIA1

TIA1-205

TIA1-205

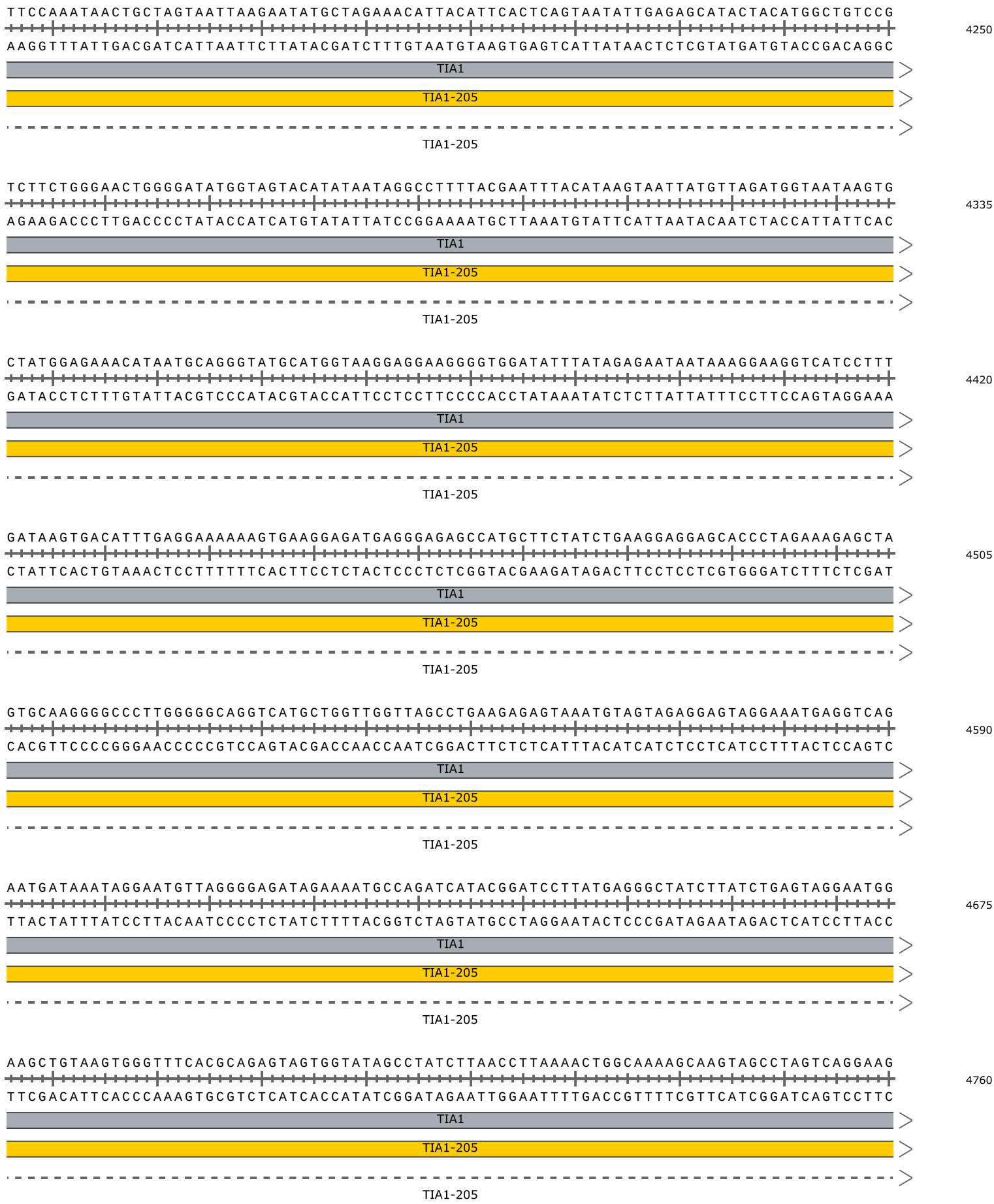
TACAGGCGACAATCAGACCTATTTTTAAAGATTAGATTGAAGGCAAGGTTGGCCAAAATGAGATATTTATTAGATAATACTTATGT
ATGTCCGCTGTTAGTCTGGATAAAATTTCTAATCTAACTTCCGTTCCAACCGGTTTTACTCTATAAATAATCTATTATGAATACA

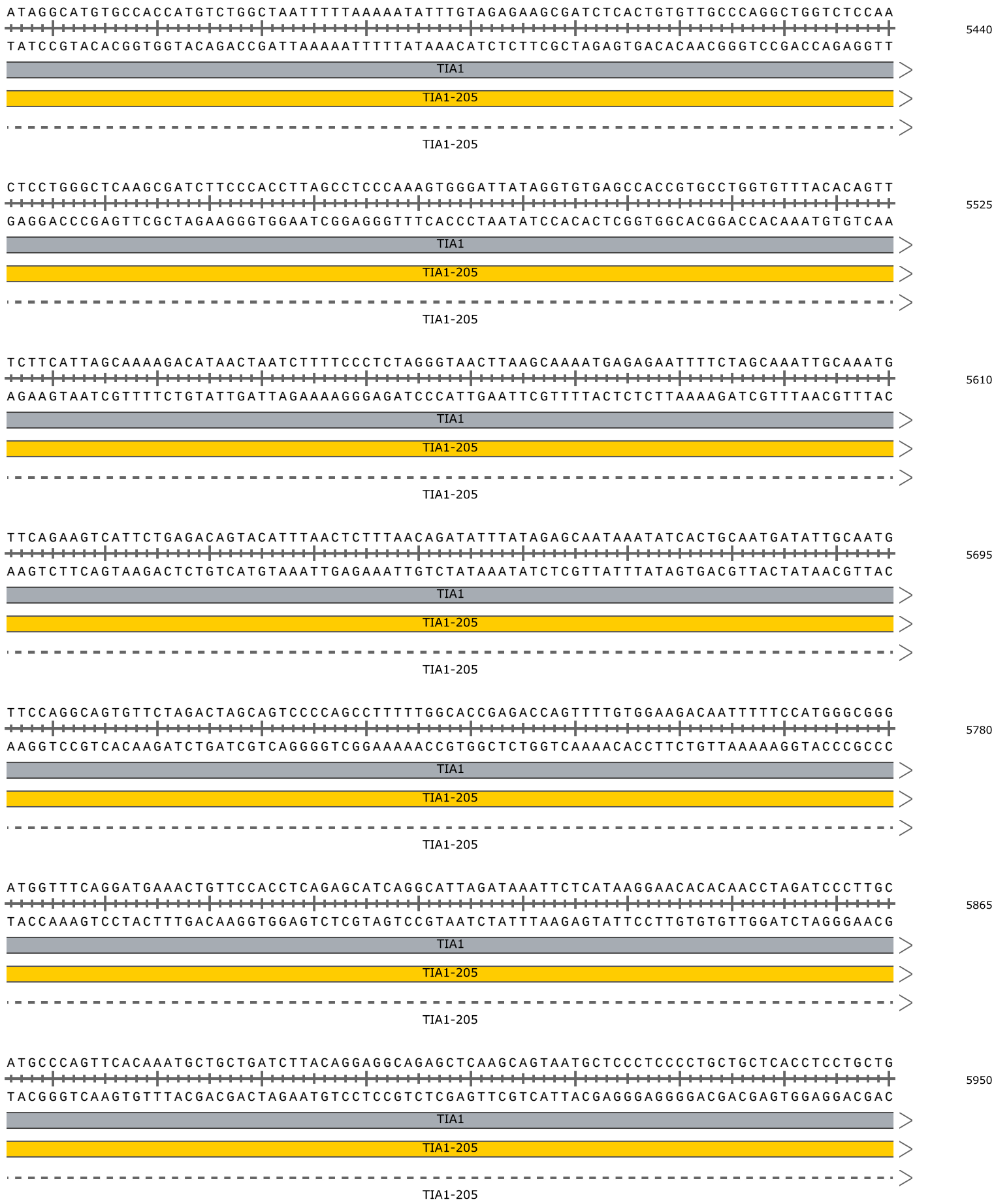
4165

TIA1

TIA1-205

TIA1-205





TGTGGCCAGTTCCTAACAGGCCATGGACGCATAATGGTCCATGGCCTAGGGGGGAGTTGGGGACCCCTGTTCTAGATGGTAGAT
ACACCGGGTCAAGGATTGTCCGGTACCTGCGTATTACCAGGTACCGGATCCCCCTCAACCCCTGGGGACAAGATCTACCATCTA

6035

TIA1

TIA1-205

TIA1-205

ACCAACTAAGAATAAAAAATGAAAACCTCTTATGGAATTTATTATTAGGTAAAAAACTATTCATCGTTTTTACTCAAATTTTCAGA
TGGTTGATTCTTATTTTTACTTTTGGAGAATACCTTAAATAATAATCCATTTTTTGATAAGTAGCAAAAAATGAGTTTAAAAAGTCT

6120

TIA1

TIA1-205

TIA1-205

GACCTTATCAAATTCGCCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGAGACTGAGTCTCTGTCACTCAGGCTGGACTGCCGTGGT
CTGGAATAGTTTAAGACGGAAAAAAAAAAAAAAAAAAAAAAAAAACTCTGACTCAGAGACAGTGAGTCCGACCTGACGGCACCA

6205

TIA1

TIA1-205

TIA1-205

GAGATCTCGGCTCACTGCAACCTCCACTTCCCGGGTTCAGGTGATTCTCTCGCCCACCATCACACTTGGCTAATTTTTTGTGTTT
CTCTAGAGCCGAGTGACGTTGGAGGTGAAGGGCCCAAGTCCACTAAGAGAGCGGGTGGTAGTGTGAACCGATTAAAAACACAAA

6290

TIA1

TIA1-205

TIA1-205

TTAGTAGAGGCAAGTTTCAACATATTGGCCAGGCTGATCTCGAACTCCTGAGCTCAAGTGATCCCCACCTCAGCCTCCCAAAGT
AATCATCTCCGTTCAAAGTTGTATAACCGGTCCGACTAGAGCTTGAGGACTCGAGTTCAGTGGGGGTGGAGTCCGGAGGGTTTTCA

6375

TIA1

TIA1-205

TIA1-205

GCTGGGATTACAGGCGTGAGCCACCGCTCCCAGCTAATCCTGAAAATTTCTTATAGGCACAAGAGTCAGGTGAGAGTAGACACAC
CGACCCTAATGTCCGCACTCGGTGGCGAGGGTTCGATTAGGACTTTTAAAGAATATCCGTGTTCTCAGTCCACTCTCATCTGTGTG

6460

TIA1

TIA1-205

TIA1-205

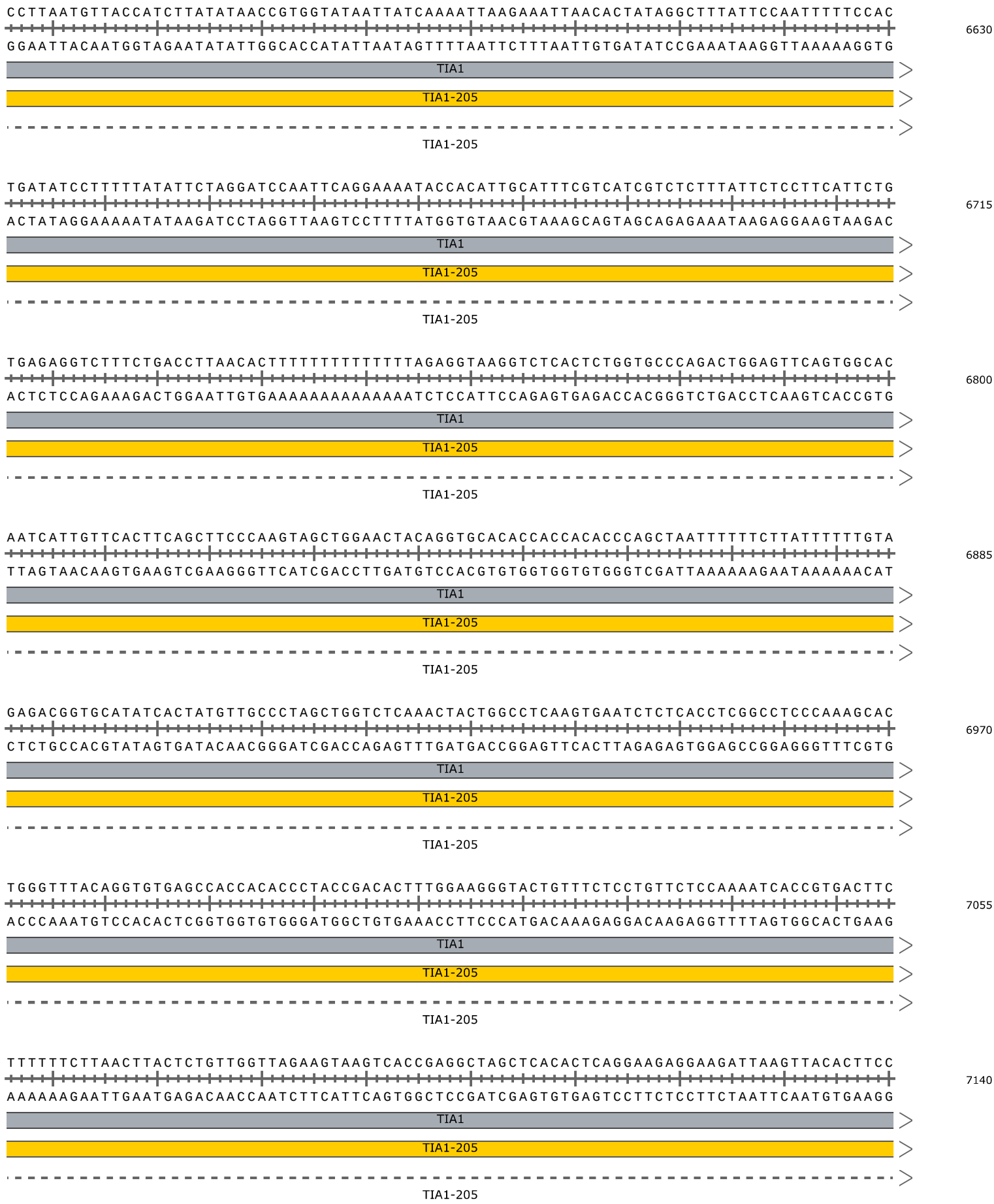
AAGAGATGCAGAGATAGTACAGAGTTTTGTTTTTTCGGGGGAGGGTTTTGCGGAAGAATGGCATGATAACCTTCATCTAGCATC
TTCTCTACGTCTCTATCATGTCTCAAAAACAAAAACGCCCTCCCAAACGCCTTCTTACCGTACTATTGGAAGTAGATCGTAG

6545

TIA1

TIA1-205

TIA1-205



TGGAGGGAGGTATATCCAAAGAATTCATAGTCATGTAAAACCACTAGTTCATTGGTCAAAACTTTTTTTTTCTTTTTTTAAGAC
ACCTCCCTCCATATAGGTTTCTTAAGTATCAGTACATTTTGGTGATCAAGTAACCAGTTTTGAAAAAAAAAAGAAAAAATTCTG

7225

TIA1

TIA1-205

TIA1-205

AGAGTCTCGCTCTGTTGCCAGGCTGGAGTACAGTGGCATGATCTCGGCTCACTGCAACCTCTGCCTCCTGGGTTCAAGCGATTCT
TCTCAGAGCGAGACAACGGTCCGACCTCATGTACCCTACTAGAGCCGAGTGACGTTGGAGACGGAGGACCCAAAGTTCGCTAAGA

7310

TIA1

TIA1-205

TIA1-205

CCTGCCTCGGCCTCCCTAGTAGCTGAAACTACAGGCACACGCCACCAAGCCAGCTAATTTTTTGTATTTTTTAGTAGAGACGGG
GGACGGAGCCGGAGGGATCATCGACTTTGATGTCCGTGTGCGGTGGTTTCGGGTCGATTAATAAACATAAAAAATCATCTCTGCC

7395

TIA1

TIA1-205

TIA1-205

GTTTCACTATGTTGGCCAGGATGGTCTTGATCTCCTGACCTGTGATCCGCCTCGGTCTCCCAAAGTGCTAGGATTACAGGCGTGA
CAAAGTGATACAACCGGTCTTACCAGAACTAGAGGACTGGACACTAGGCAGGAGCCAGAGGGTTTCACGATCCTAATGTCCGCACT

7480

TIA1

TIA1-205

TIA1-205

GCCACCGCACCTGTCCCAAACCAATTTTTAATAAATATTTAGTGGAGGTACTTTGAGGCTATTCAGATACCCTGTTTCCCTT
CGGTGGCGTGGACAGGGTTTTGGTTAAAAATTATTTATAAATCACCTCCATGAAACTCCGATAAGTCTATGGGACAAAAGGGGAA

7565

TIA1

TIA1-205

TIA1-205

TTAAGGTTTCATCAACTAATGTGAGCTTCCATGGGTGGATCTTCTTTAGAAATTATTACTGTGGTGTTTTAATGGTGATTTTCT
AATTCCAAAGTAGTTGATTACACTCGAAGGTACCCACCTAGAAGGAAATCTTTAATAATGACACCACAAAATTACCACTAAAAAGA

7650

TIA1

TIA1-205

TIA1-205

ATTTCTCTCATTCTTTCTACATTTATTAATTCTGTAAGAAAAACTATTTTCCCCTCATCCGGGATCCATTTAAACATTATTGAT
TAAAGAGAGTAAGAAAGATGTAATAATTAAGACATTTCTTTTTGATAAAAAGGGGAGTAGGCCCTAGGTAATTTGTAATAACTA

7735

TIA1

TIA1-205

TIA1-205

TGTATTTGGTTGTCAGTGTTTTTTATGTCCTTTTTTTTTGGTGGGGGGGCAGGGAGGGCAGTGCTTGTCTGTACCCCTGGCTG
ACATAAACCAACAGTCACAAAAAATACAGGAAAAAAAAAACACCCCCCGTCCCTCCCGTCACAGAACGAGACAGTGGGACCGAC

7820

TIA1

TIA1-205

TIA1-205

GAGTACTGTGGTGTAAATATGAGCTCACTGCAATGTCCACCTCCCAAGTTCAAGTGATTCTTGTGCCTCCCTTCCCAGGTAGCTG
CTCATGACACCACATTATACTCGAGTGACGTTACAGGTGGAGGGTTCAAGTTCACTAAGAACACGGAGGGGAAGGGTCCATCGAC

7905

TIA1

TIA1-205

TIA1-205

GGATTACAGGCATGCGCCACCACACCTGGCTGATTTTTGTATTTATTGTAGTAGAGATGAGGTTTTACCATGTTGGCCAGGCTGG
CCTAATGTCCGTACGCGGTGGTGTGGACCGACTAAAAACATAAATAACATCATCTCTACTCCAAAGTGGTACAACCGGTCCGACC

7990

TIA1

TIA1-205

TIA1-205

TCTCTAACTCCTGGTCTCAAGTGAAGTGCCTACCTCGGCCTCCCAAAGTGCTAGGATTTTCAAGGCTTGAGCCACTGTGCCAGCTT
AGAGATTGAGGACCAGAGTTCACCTTGACGGATGGAGCCGGAGGGTTTTACGATCCTAAAGTCCGAACTCGGTGACACGGGTTCGAA

8075

TIA1

TIA1-205

TIA1-205

TCTGTTTCTTTATTTATTTATATCTTAGAAATGAGGTCTTGCTATGTTCCAGGCTGGACTCAAACCTCGGGTTCAAGGGATC
AGACAAAGAAAAATAAATAAATATAGAATCTTTACTCCAGAACGATACAAGGGTCCGACCTGAGTTTGAGGACCCAAGTTCCTTAG

8160

TIA1

TIA1-205

TIA1-205

CACCCACCTCAGCCTCTCAAGTAGCTGGGGCTGCGGGCTTGTGCCACCACTCCCTTTTTATTCAAGAACAGTCATCTGTTGTTTTT
GTGGGTGGAGTCGGAGAGTTCATCGACCCCGACGCCGAACACGGTGGTGAGGGAAAAATAAGTTCTTGTGTCAGTAGACAACAAAAA

8245

TIA1

TIA1-205

TIA1-205

GTTTTAGGACAATAATTTTTGAAGAGACTGAGTTGTCTTATAAAGTGTCCACATCTGGATTCATGGAATTGTTTTATTTGCCT
CAAAATCCTGTTATTAATAAATCTTCTGACTCAACAGAATATTTACAGGGTGTAGACCTAAGTACCTTAACAAAAATAACGGA

8330

TIA1

TIA1-205

TIA1-205

GATATCCTATAAACTTAAATCTAATTTTCAGCTTGGTTAGATTTAGGTTAGACTTTTTTATGTAATATTTTCATAGGTGATACTG
CTATAGGATATTTGAATTTAGATTA AAAAGTCGAACCAATCTAAATCCAATCTGAAAAAATACATTTTATAAAGTATCCACTATGAC

8415

TIA1

TIA1-205

TIA1-205

TGTAATTCATATTATATATATATGCAGTATCTCATTGGTCGTTGCCCATCTATAAAAATAATTGAAAAATTTTATCACTGGGTCATAGT
ACATTAAGTATAATATATATACGTCATAGAGTAACCAGCAACGGGTAGATATTTTATTAAC TTTTAAAATAGTGACCCAGTATCA

8500

TIA1

TIA1-205

TIA1-205

GGTAACAGCCAAAGCTCTCATT TTTTAAGGTAAGGTTTTCCCTTTGCAATTTATTAAGTAATCTATGTGATAACTTTGACACCTTG
CCATTGTGCGTTTTCGAGAGTAAAAATTCCATTCCAAAAGGGAAACGTTAAATAATTCATTAGATACACTATTGAAACTGTGGAAC

8585

TIA1

TIA1-205

TIA1-205

TGACTATTTCCACACCAACTGTTTCATGTAGTAGTTTAAGCATTAAATTAAGATCCTTGCCTGAAACAGTTATTTTCATTAGGGTTT
ACTGATAAAGGTGTGGTTGACAAGTACATCATCAAATTCGTAATTAATTTCTAGGAACGGACTTTGTCAATAAAGTAATCCCAA

8670

TIA1

TIA1-205

TIA1-205

ACACATTGTTAATTTAATACTATCTTTCTACATTTATTAAGTATCTCCTGTAAAGGAGAAGCTTTTCTAAACTAGAGCTATT
TGTGTAACAATTAATTTATGATAGAAAAGATGTAATAATTTGATCGTAAGAGGACATTTCTCTTGA AAAAGATTTGATCTCGATAA

8755

TIA1

TIA1-205

TIA1-205

AGATTACACTATTTAGTGGGAGTTCTACTTAATAGGATAAATGCTTAATTCTGTCTCTTTTTTCAGAATAAAGACTTGGTGTAGT
TCTAATGTGATAAATCACCCCTCAAGGATGAATTATCTATTTACGAATTAAGACAGAGAAAAAGTCTTATTTCTGAACCATCA

8840

TIA1

TIA1-205

TIA1-205

AATAACTCCCAATACTGGTAAATTGCTGTTGGGTAAATGTTGCTGTTACTTTCTCTTTTTGAGTACCATTATTTTACCTGATCGTT
TTATTGAGGGTTATGACCATTTAACGACAACCCATTTACAACGACAATGAAAGAGAAAACCTCATGGTAATAAATGGACTAGCAA

8925

TIA1

TIA1-205

TIA1-205

AAATGTCATTTGTTATTAAGACTCAGCATTCTTCCTTTGCCATCTTAACCTTTTCCAAAGGCTTCGTGTTAAGCACTCAATATG
TTTACAGTAAACAATAATTCTGAGTCGTAAAGAAGGAAACGGTAGAATTGGAAAAGGTTTCCGAAGCACAATTCGTGAGTTATAC

9010

TIA1

TIA1-205

TIA1-205

TGTTTGTGTAATGGTAGATGGAAAGAAGAAATTGATTCCACACTTTGTGAGCATGTATGAATATTTACTTTTCTGGGGAGAAAAGT
ACAAAACAACCTTACCATCTACCTTTCTTCTTTAACTAAGGTGTGAAACACTCGTACATACTTATAAATGAAAAGACCCCTCTTTCA

9095

TIA1

TIA1-205

TIA1-205

CCATACCTTGTATCAAATTTTCTGAAGGGTACCTGAGAGACAAATGAGAACTACCATTCTGGGGAGACTGCATTCCCTGATTCC
GGTATGGAACATAGTTTAAAAGACTTCCCATGGACTCTCTGTTTACTCTTTGATGGTAAGACCCCTCTGACGTAAGGGACTAAGG

9180

TIA1

TIA1-205

TIA1-205

AGAACTGATAAACCTCTAACTCTGTA AAAATGACTAGAGGTAATCTCATCTCAAAAATCTCATTTAAAAACTTATTTATAAACCCTT
TCTTGACTATTTGGAGATTGAGACATTTTACTGATCTCCATTAGAGTAGAGTTTTAGAGTAAATTTTTGAATAAATATTTGGGAA

9265

TIA1

TIA1-205

TIA1-205

TATTGGCCGGGCGCAGTGGCTCACGCCTGTAATCCAAACACTTTGGGAGGCCGAGGCAAGCAGATCACGAGGTCAGGAGATCGAG
ATAACCGGCCCGCGTCAACCGAGTGC GGACATTAGGTTTGTGAAACCCCTCCGGCTCCGTTTCGTCTAGTGCTCCAGTCCCTCTAGCTC

9350

TIA1

TIA1-205

TIA1-205

ACCATCCTGGCTAACATGGTGAAACCCCATCTCTACTAAAAATACAAAAACTAGCCGGGCGTGTTGGCGGGTGCCTGTAGTCCC
TGTTAGGACCGATTGTACCACTTTGGGGTAGAGATGATTTTTATGTTTTTTGATCGGCCCGCACCACCGCCACGGACATCAGGG

9435

TIA1

TIA1-205

TIA1-205

AGCTACTCGGGAGGCTGAGGCAGGAGAATGGCGTGAACCTCAGGAGGCCGAGCTTGCAGTGAGCCGAGATCACGCCACTGCACTCC
TCGATGAGCCCTCCGACTCCGTCCTCTTACCGCACTTGAGTCCCTCCGCCTCGAACGTCACTCGGCTCTAGTGCGGTGACGTGAGG

9520

TIA1

TIA1-205

TIA1-205

AAGTCTACCTAAATTGAACAAATAAGGGAAATAATGTTAATTTAAAAATTGGGGGTACCAGCCTGGCCAATATGGTGAAAACCCCG
 TTCAGATGGATTTAACTTGTTTATTCCCTTTATTACAATTAATTTTTTAACCCCATGGTCGGACCGGTTATACCACTTTGGGGC

TIA1 >
 TIA1-205 >

----- >
 TIA1-205

TCTCTACCAAAAATATAAAAAAATTAGCTGGGCGTGGTGGCGGGCGCCTGTAGCCCCAGCTACGTGGGTGGCTGAGGCAGGAGAA
 AGAGATGGTTTTTATATTTTTTAATCGACCCGCACCACCGCCCGCGGACATCGGGGTCGATGCACCCACCGACTCCGTCTCTCT

TIA1 >
 TIA1-205 >

----- >
 TIA1-205

TCACTTGAACCTGGGAGGTGGAGGTTGCAATGAGCCGAGATCGCACCACTGCACTCCAGCCTGGGCGACAGAGAGACTTTGTC
 AGTGAACCTGGACCCCTCCACCTCCAACGTTACTCGGCTCTAGCGTGGTGACGTGAGGTCGGACCCGCTGTCTCTCTCTGAAACAG

TIA1 >
 TIA1-205 >

----- >
 TIA1-205

CACAAAAAAAAAAAAAAAAAAAAAAAAAACTTGGGGGAACGTCAATGTTCTTAGTAGTAGTAATACCATAGAAGTAGAAATAAT
 GTGTTTTTTTTTTTTTTTTTTTTTTTTTTGAACCCCTTGCAGTTACAAGAATCATCATCATTATGGTATCTTCATCTTTATTA

TIA1 >
 TIA1-205 >

----- >
 TIA1-205

TGCAATGCCTTTTAGGTTTGATGGTATACATTTTTTTTTTTAATTGAGATGGAGTCTCGCTCTGTTGCCCAAGCTGGAGTGCAGT
 ACGTTACGGAAAAATCAAACCTACCATATGTAAAAAAAAAAATAACTCTACCTCAGAGCGAGACAACGGGTTTCGACCTCACGTCA

TIA1 >
 TIA1-205 >

----- >
 TIA1-205

GGCACCATCTCGGCTCACTGCAAGTTCCGTCTCCAGGTTTACGCGGTTCTCCTGCCTCAGCCTCCCGAGTAGCCGGGACTACAG
 CCGTGGTAGAGCCGAGTGACGTTCAAGGCAGAGGGTCCAAGTGCGGCAAGAGGACGGAGTCGGAGGGCTCATCGGCCCTGATGTC

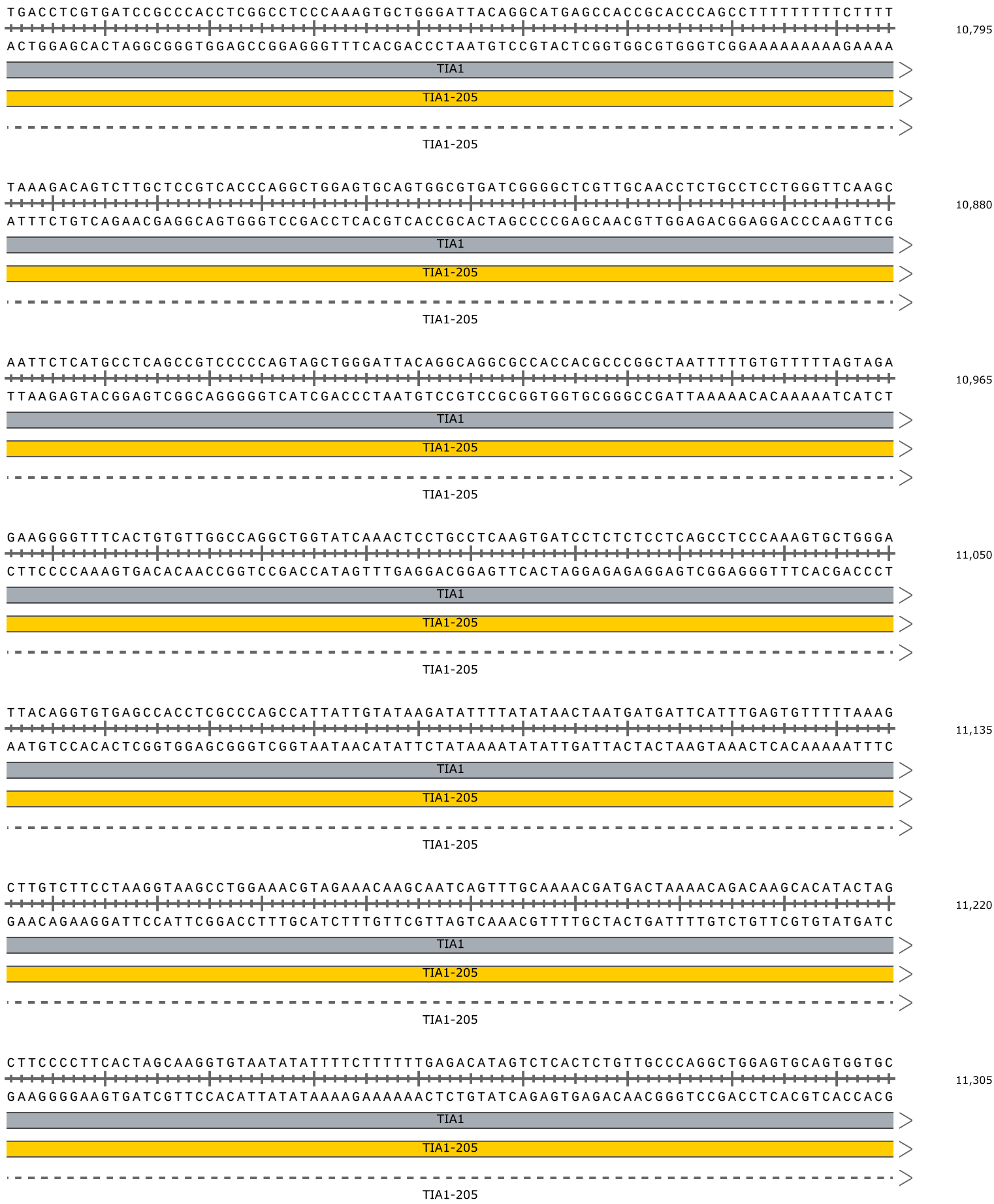
TIA1 >
 TIA1-205 >

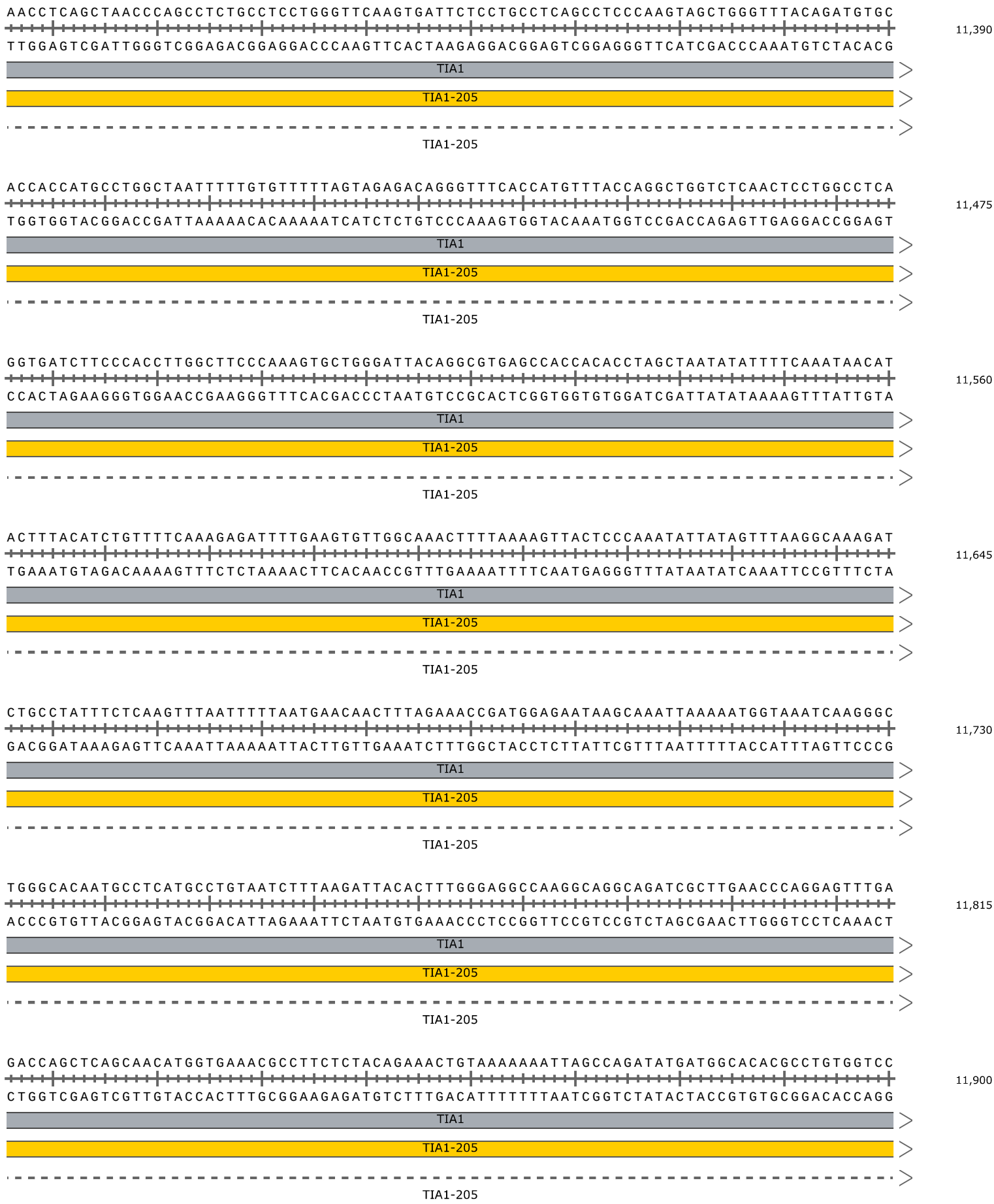
----- >
 TIA1-205

GCGCCACCACCACGCCAGCTAATTTTTTATATTTTTATTAGAGACGAGGTTTCATCGTGTTAGCCAGGATGGTCTTGATCTCC
 CGCGGGTGGTGGTGCGGGTCGATTAATAAATAAATAAATAAATCTCTGCTCAAAGTAGCACAATCGGTCTTACCAGAACTAGAGG

TIA1 >
 TIA1-205 >

----- >
 TIA1-205





CAGCTACTTGGGAGGCTGAAGTGGGAGAATCCCTTGTGCCCAGGAGGTGGAGATTGTAGTGAGCCAAGATTGCGCCACTACACTC
GTCGATGAACCCTCCGACTTCACCCTCTTAGGGAAACACGGGTCTCCACCTCTAACATCACTCGGTTCTAACGCGGTGATGTGAG

11,985

TIA1

TIA1-205

TIA1-205

TAGTCTGGGCAACCCAGAAGACCTTGTCTGAAAAAAAAATAAATTGAGGTAAATTGAGCTGGGTGTGGTGGTTCTCTAGTCCGT
ATCAGACCCGTTGGGTCTTCTGGAACAGACTTTTTTTTTTATTTAACTCCATTTAACTCGACCCACACCACCAAGGAGATCAGGCA

12,070

TIA1

TIA1-205

TIA1-205

TACTCAGGGGACCAAGGCAGTAGGTTTGTCTGAGGCCAGGAGTTTGGAGCAGCCTGAGCAATATAGCCAGACTATTTCTCTTAA
ATGAGTCCCCTGGTTCGTCATCCAAACGAACTCCGGTCTCAAACCTCTCGTCGGACTCGTTATATCGGTCTGATAAAGAGAATT

12,155

TIA1

TIA1-205

TIA1-205

AAAAAAAAACCGGTGCAGTGGCTCACACCTGTAATTTGAGCACTTTGGGAGGCTGAAGCAGGCGGGTACCTGAGGTCAGGAGT
TTTTTTTTTGGCCACGTCACCGAGTGTGGACATTAAAGTCGTGAAACCCTCCGACTTCGTCCGCCAGTGGACTCCAGTCTCTCA

12,240

TIA1

TIA1-205

TIA1-205

TGGAGACCAGCCTGACCAACATGGAGAAAACCCGCTCTCTACTAAAAATACAAAATTAGCTGGGTGTGGTACGCATGCCTGTAAT
ACCTCTGGTTCGGACTGGTTGTACCTCTTTGGGGCAGAGATGATTTTTATGTTTTAATCGACCCACACCAGTGCCTACGGACATTA

12,325

TIA1

TIA1-205

TIA1-205

CCCAGCTACTCGGGGAGGCTGAGGCAGGGGAATCACTTGAACCCTGGAGGCGGAGGTTGTGGTGAAGCCGAGATCGTGCCATTGCA
GGGTGATGAGCCCTCCGACTCCGTCCCCTTAGTGAACCTGGGACCTCCGCTCCAACACCACTCGGCTCTAGCACGGTAACGT

12,410

TIA1

TIA1-205

TIA1-205

CTCTATCCTGGGCAACAAGAGTGAACTCTGTCTCAAAAAAAAAAAGGTAAATTGTTTCTCTTTGTGTTTCAGATACGTCGGT
GAGATAGGACCCGTTGTTCTCACTTTGAGACAGAGTTTTTTTTTTTTTCCATTTAACAAAGAGAAACACAAAGTCTATGCAGCCA

12,495

TIA1

TIA1-205

TIA1-205

10
Y V G
ENSE0000364...

AACCTTTCCAGAGATGTGACAGAAGCTCTAATTCTGCAACTCTTTAGCCAGATTGGACCTTGTA AAAA ACTGCAAAATGATTATGG
TTGGAAAGGTCTCTACACTGTCTTCGAGATTAAGACGTTGAGAAATCGGTCTAACCTGGAACATTTTTGACGTTTTACTAATACC

12,580

TIA1

TIA1-205

N L S R D V T E A L I L Q L F S Q I G P C K N C K M I M

ENSE00003642002

TIA1-205

ATGTAAGGGTATTTTACTTAGTTAACTTTATTCTTTTTTTTTTTTACACACTTAAAGCCATTGCTTGGAAAGGAATTTCTTAGTT
TACATTCCCATAAAATGAATCAATTGAAATAAGAAAAAAAAAATGTGTAATGAATTTTCGGTAACGAACCTTCCTTAAGAATCAA

12,665

TIA1

TIA1-205

D

TIA1-205

TACCATGGTCTAAATATAGTATAAATTATTAGTTTACTGTAGTCTAAATATAGTCTTAGTTTACCATATTCTAAGTTAATAGGGA
ATGGTACCAGATTTATATCATATTTAATAATCAAATGACATCAGATTTATATCAGAATCAAATGGTATAAGATTCAATTATCCCT

12,750

TIA1

TIA1-205

TIA1-205

TTTTAGTGAATTTGTAATGAACCTGTTTTGACAGCTGAATTTAATTTGTTTTATTACATGATGGAAGATGACAATAGA ACTAGTT
AAAATCACTTAAACATTACTTGGACAAA ACTGTCGACTTAAATTAACAAAATAATGTACTACCTTCTACTGTTATCTTGATCAA

12,835

TIA1

TIA1-205

TIA1-205

ATTTCTAGATCAGATGGGAACATATATATGGGCTCTTTCAGGTGCATTGAGGCATCAGAAATGTTTATATGTGGTGTCAACTGGT
TAAAGATCTAGTCTACCCTTGTATATATACCCGAGAAAGTCCACGTA ACTCCGTAGTCTTTACAAATATACACCACAGTTGACCA

12,920

TIA1

TIA1-205

TIA1-205

TGGCTAATAAATTCAGCTCTTACAATTA AATTTGAAAAACAGGTTTAAAAATAATAGGCATTTGGTACAGTGAAAGTATTTTTAAC
ACCGATTATTTAAGTCGAGAATGTTAATTTAACCTTTTGTCCAAATTTTTATTATCCGTA AACCATGTCACTTTTCATAAAAAATTG

13,005

TIA1

TIA1-205

TIA1-205

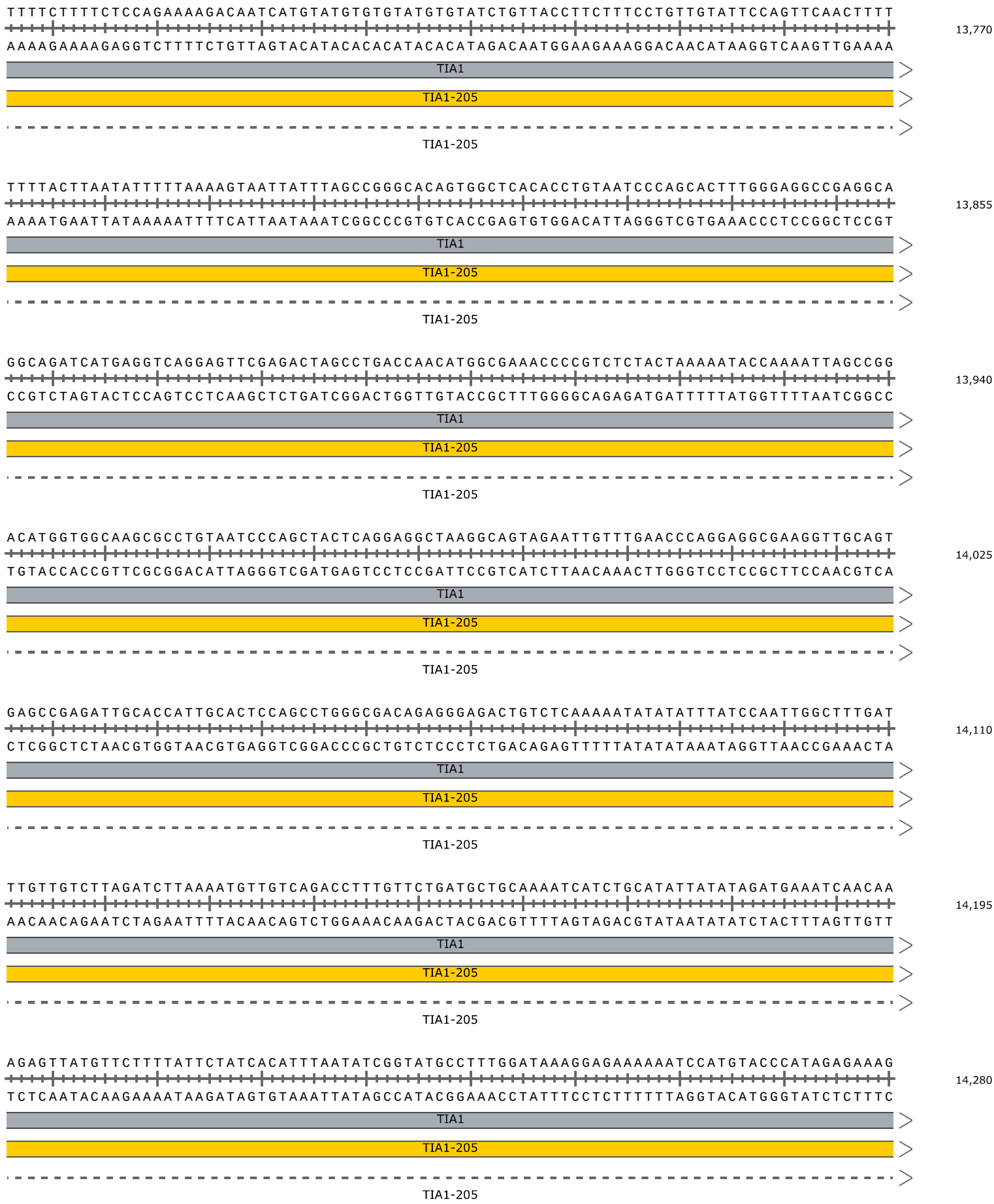
TTTATTTTTAAAGGTCATCATTCAAGTTTTCTTGTATTTAGGCAATTCCTATTTATGAGACAATGTATTAACACACACACATA
AAATAAAAAATTTCCAGTAGTAAGTTCAAAAAGAACATAAATCCGTTAAGGATAAATACTCTGTTACATAATTTGTGTGTGTGTAT

13,090

TIA1

TIA1-205

TIA1-205



ACAGGAGGGAAAGATGGGGAAAGATGAAGAGAAATTTAAAACAGTCTTTCCTTAATCTAGATCTCCTTACTTATCCCAATGGTA
TGTCTCCCTTTTCTACCCCTTTTCTACTTCTCTTTAAATTTTGGTCAGAAAGGAATTAGATCTAGAGGAATGAATAGGGTTACCAT

14,365

TIA1

TIA1-205

TIA1-205

GCATTTATGGAAAATTTGCTGCCTGTCAGTTACTTTAATACATTGTCATAAATGCTCAATAGAAACATAAAGAAGGTGTTATTTT
CGTAAATACCTTTTAAACGACGGACAGTCAATGAAATTATGTAACAGTATTTACGAGTTATCTTTGTATTTCTTCCACAATAAAA

14,450

TIA1

TIA1-205

TIA1-205

CATTTTCATGTATGAGGAAATGAGGCCAAAGCAAGGCTGTAAACCCTAATTGATTTATCCGAATATAAATCTTCTCTGTTGGTTTGC
GTAAGTACATACTCCTTTACTCCGTTTCGTTCCGACATTTGGGATTAATAAATAGGCTTATATTTAGAAGAGACAACCAAACG

14,535

TIA1

TIA1-205

TIA1-205

CTGCTGCTACTCTCTCTCTGGCTGGTCATATGTTTTCCCTGGGGAAAGATCATTAGACAAAACGTTAATGATTGCCTTGGCTACAG
GACGACGATGAGAGAGAGACCGACCAAGTATACAAAGGGACCCCTTTCTAGTAATCTGTTTTGCAATTACTAACGGAACCGATGTC

14,620

TIA1

TIA1-205

TIA1-205

AAAAAACAGGTTAGCCTTTGCCACTTTTTATCATTTGTGGATTCTGATCGCTCAAAAAGCTTAGATTTTTATTATTCAAATCTAA
TTTTTTGGTCCAATCGGAAACGGTGAAAAATAGTAAACACCTAAGACTAGCGAGTTTTTCGAATCTAAAAATAATAAGTTTAGATT

14,705

TIA1

TIA1-205

TIA1-205

ATTCCAGTCTGTTACATTCTGAGACTAATGTTACATTTATAAATTTTATGCTCCCTGGACTGATAATATGTATATATGCTTCG
TAAGGTCAGACAAGTGTAAAGACTCTGATTACAAGTGTAAATATTTAAAATACGAGGGACCTGACTATTATACATATATACGAAGC

14,790

TIA1

TIA1-205

TIA1-205

ATTCTTATTTAAAAAGTTAGTTTTTCTGCATATAAATTAAGTAAAGCATATTCTTTTTCAATTTTACTCTTAAATGCAAGTG
TAAGAATAAATTTTCAATCAAAAAAGACGTATATTTAATTCATTTTCGTATAAGAAAAAGTAAATAAATGAGAATTTACGTTTAC

14,875

TIA1

TIA1-205

TIA1-205

ACTTTTTCTTTTTTTTTTTTTTTAGACAGAGTCTCACTCTGTTGCCAGGCTGGAGTGCAATGGCATGATCTCAGCTCACTGCAAAC
TGAAAAAGAAAAAAAAAAAAAATCTGTCTCAGAGTGAGACAACGGGTCCGACCTCACGTTACCGTACTAGAGTCGAGTGACGTTTG

14,960

TIA1

TIA1-205

TIA1-205

TCTGCCTCCCAGGTTCAAGCTATTCTCCTGCCTCAGCCTCCTAAGTAGCTGGGATTACAGGCATGCGCCACCACACCTGGCTAGT
AGACGGAGGGTCCAAGTTCGATAAGAGGACGGAGTCGGAGGATTCATCGACCCTAATGTCCGTACGCGGTGGTGTGGACCGATCA

15,045

TIA1

TIA1-205

TIA1-205

TTTCGTATTTTCAGTAGAGACAGGGTTTCACCATGTTGGCCAGGTGGTCTTGATCTCCTGATGTCATGATCCGCCACCCAGCT
AAAGCATAAAAGTCATCTCTGTCCCAAAGTGGTACAACCGGTCCACCAGAAGTACTAGAGGACTACAGTACTAGGCGGGTGGGGTCGA

15,130

TIA1

TIA1-205

TIA1-205

TCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCACAGCCAGCCGCAAGTGACTTTTTCTAACTTCATTTTCAGTGTTCCTGTCA
AGGGTTTCACGACCCTAATGTCCGCACTCGGTGGTGTTCGGTTCGCGCTTCACTGAAAAAGATTGAAGTAAAGTCACAACGGACAGT

15,215

TIA1

TIA1-205

TIA1-205

GCATTGATCTTGGTAATAGAATTCCCATTTGTGTTTTATTAGTTTGAGTTATATAACATTTTTATTCTCTAATTTTTTTAGACAAA
CGTAACTAGAACCATTATCTTAAGGGTAACACAAAATAATCAAACCTCAATATATTGTAATAAATAAGAGATTAATAAATCTGTTT

15,300

TIA1

TIA1-205

TIA1-205

ATATAGTCCCAATATATTAACCTTTGTCTTGGCCTCGTTGCTTTAAAATTTTTACAAGTCATTGCCAGTGACTCTCAAACCTATTA
TATATCAGGGTTATATAATTTGAAACAGAACCGGAGCAACGAAATTTTTAAAATGTTTCAGTAACGGTCACTGAGAGTTTGATAAT

15,385

TIA1

TIA1-205

TIA1-205

ATTGTTGATGTGCACAGTGACTGATGCCTGTAATCCCAACACTTTGGGAGGCAGAGGCTGGAGGATCACTTGAGCCCAGGAATTT
TAACAACCTACACGTGTCAGTACTGACTACGGACATTAGGGTTGTGAAACCCTCCGTCTCCGACCTCCTAGTGAACCTCGGGTCCTAAA

15,470

TIA1

TIA1-205

TIA1-205

GAGACCAGCCTGGGCAACATAACAAGACCACATCTCTAAAAAAAAAATTAATTAAGTACTTGAATAAAAATTGTATATTCCTCT
CTCTGGTTCGGACCCGTTGTATTGTTCTGGTGTAGAGATTTTTTTTTTAATTAATTGACATGAACTTTATTTTAACATATAAGGAGA

15,555

TIA1

TIA1-205

TIA1-205

ATTTTAGTAGCTTTCTAGTCTTTTGAATTAGTTTTTTATTTTAAACAAATCTGTTTAGGAGGCTATGGAAAGAATTTTAAAATGGC
TAAAATCATCGAAAGATCAGAAAACCTAATCAAAAAATAAAATTGTTTAGACAAATCCTCCGATACCTTTCTTAAAATTTTACCG

15,640

TIA1

TIA1-205

TIA1-205

CTATAATGTCATTTGATATTTTGCACCTGTAGGTGTAAAAATTGGAATTTTTTTCTGCTACTTGAATTTATAATTAACATCCAGG
GATATTACAGTAAACTATAAAACGTGACATCCACATTTTTAACCTTAAAAAAGACGATGAACTTAAATATTAATTTGTAGGTCC

15,725

TIA1

TIA1-205

TIA1-205

TTCTATTTATCACATAGCCTCACCTACCTGGAACACCAGCAGAAAAGGGAAGTTTTGTTTTTTTTTTTGAGACAGAGTCTCGCTG
AAGATAAATAGTGTATCGGAGTGGATGGACCTTGTGGTCTGCTTTTCCCTTCAAAACAAAAAAAAAAAACTCTGTCTCAGAGCGAC

15,810

TIA1

TIA1-205

TIA1-205

TGCGCCAGACTGGAATCCAGTGGCACCATCTTGGCTCACTGCAACGTCCCCCTCCTGAGTTCAAGCGAATCTCCTGCCTCAGCC
ACGCGGGTCTGACCTTAGGTCACCGTGGTAGAACCGAGTGACGTTGCAGGGGGAGGACTCAAGTTCGCTTAGAGGACGGAGTCGG

15,895

TIA1

TIA1-205

TIA1-205

TCCCGAGTAGATGGGATTACAAGCACACGCCACCACACCCAGCTGATTTTTGTATTTTTAGTAGAGATGAGGTTTTACCATTTTG
AGGGCTCATCTACCCTAATGTTTCGTGTGCGGTGGTGTGGGTGCGACTAAAAACATAAAAAATCATCTCTACTCCAAAGTGGTAAAAC

15,980

TIA1

TIA1-205

TIA1-205

GCCAGGCTAGTCTCGAACTCCTGACCTCAGGTGATCCACCTGCCTCATCCTCCCAGAGTGCTGAGATTACAGGCATGAGCTACTG
CGGTCCGATCAGAGCTTGAGGACTGGAGTCCACTAGGTGGACGGAGTAGGAGGGTCTCACGACTCTAATGTCCGTACTCGATGAC

16,065

TIA1

TIA1-205

TIA1-205

TCGATCTCCTGACCTCATGATCCGCCTGCCTCGGCCTCTCGAAGTGCTGGGATTACAGGCATGAGCCACTGCGCCTGGCGGGAAAG
AGCTAGAGGACTGGAGTACTAGGCGGACGGAGCCGGAGAGCTTACAGACCTAATGTCCGTA CT CGGTGACGCGGACCGCCCTTC

16,745

TIA1

TIA1-205

TIA1-205

ATAATTTTTTAAAGGCTTCTGAGCAAGCAAAAAATTGATGTCAGAAAGTTCACATTCTAAAAC TTATTCTAAAATTTTACTTACC
TATTA AAAAATTTCCGAAGACTCGTTTCGTTTTTAACTACAGTCTTTCAAGTGTAAGATTTTGAATAAGATTTTAAAATGAATGG

16,830

TIA1

TIA1-205

TIA1-205

AGAGAATCTCTTCAGTTTTTCAGAGCCTATTTACCTATATTTTTAAAACAGGTTTTAAGAAGTTGGCTAAGATTTTCTGCTACTCAG
TCTCTTAGAGAAGTCAAAAGTCTCGGATAAATGGATATAAAAATTTGTCCAAATCTTCCAACCGATTCTAAAAGACGATGAGTC

16,915

TIA1

TIA1-205

TIA1-205

CAAGCTAGTAGCAGCAAGGAGCAATGTACATTTGTAGCAGTAAAAAGTAACTTATAACAGGGAGGGGATAGAAAAATCATAAAAA
GTTTCGATCATCGTCGTTCTCGTTACATGTAACATCGTCATTTTTTCATTGAATATTGTCCCTCCCCTATCTTTTTAGTATTTTT

17,000

TIA1

TIA1-205

TIA1-205

GCCGAAGTGAGACTTCAGA ACTTAGGAGTT CAGTCAA ACTTAATCTGTGTAGCTTGAACAAATGGTTATATGATGATGGGGTATG
CGGCTTCACTCTGAAGTCTTGAATCCTCAAGTCAGTTTGAATTAGACACATCGAACTTGTTTACCAATATACTACTACCCCATAC

17,085

TIA1

TIA1-205

TIA1-205

TGTAGCTATATATCCAGTTAGGATACCTAGTCATTAATATTTAAATTATAGTACTATAGTATAACCTGTTGAAGAAAATAGCTATG
ACATCGATATATAGGTCAATCCTATGGATCAGTAATTATAATTTAATATCATGATATCATATTGGACA ACTTCTTTTATCGATAC

17,170

TIA1

TIA1-205

TIA1-205

TATAAAAGCAGTGTGATTTTAAAGTGTTTGCTTTTTTTTTTTTACTTTTTAATTATTTTAGAGACAGGATCTTGCTGTGTTGCCCA
ATATTTTCGT CACACTAAAATTCACAAACGAAAAAAAAAAAAATGAAAAATTAATAAAATCTCTGTCTTAGAACGACACAACGGGT

17,255

TIA1

TIA1-205

TIA1-205

TCGTCATGCAGCTGCAGCATTAGCTGCTATGAATGGACGGAAGATAATGGGTAAGGTAAGCTGTCGTAATTAAGAAGGTGACTT
AGCAGTACGTCGACGTCGTAATCGACGATACTTACCTGCCTTCTATTACCCATTCCATTGACAGCATTAAATTTCTTCCACTGAA

17,935

TIA1

TIA1-205

R H A A A A L A A M N G R K I M G K

ENSE00003627817

TIA1-205

GCACTGAAAAAATTTAAGTTATATATGATTTTGTTCCTTTTTAGAAACATTAACACTTTTTTTTTTTTTTTTGGATGAAATTT
CGTGACTTTTTTAAATTC AATATATACTAAAACAAAGGAAAAATCTTTGTAATTTGTGAAAAAAAAAAAAAAAAACTCTACTTTAAA

18,020

TIA1

TIA1-205

TIA1-205

TGCCCTTGTTGCCCAATCTGGAGTGCAATGGCACAGTCTTGGCTCACTGCAACCTCTGCCTCCTGGGTTCAAGTGATTCTCCTGC
ACGGGAACAACGGGTTAGACCTCACGTTACCGTGTGAGAACCGAGTGACGTTGGAGACGGAGGACCCAAGTTCACTAAGAGGACG

18,105

TIA1

TIA1-205

TIA1-205

CTCAGCCTCCCTAGTAGCTGGGATTACAGGAACGCACCACCACCCAGCTAATTTTTCGTATTTTTAGTAGAAATGAGGTTTCA
GAGTCGGAGGGATCATCGACCCTAATGTCCTTGCCTGGTGGTGTGGGTCGATTA AAAAGCATAAAAATCATCTTTACTCCAAAGT

18,190

TIA1

TIA1-205

TIA1-205

CCATGTTAGCCAGACTGGTCTCAAACCTCTGACCTCAGGTGATCTGCCTGCCTCGGCTTCGCAAAGTGTTGGGATTATAGATGTG
GGTACAATCGGTCTGACCAGAGTTTGAGGACTGGAGTCCACTAGACGGACGGAGCCGAAGCGTTTCACAACCCTAATATCTACAC

18,275

TIA1

TIA1-205

TIA1-205

AGCCACCGCGCCTGGCTGAAACATTAACACTTTATAGCAAAAGGTCAGTTATTGACATATAATATTA AAAAGGTAGGATAAAGC
TCGGTGGCGCGGACCGACTTTGTAATTTGTGAAATATCGTTTTCCAGTCAATAACTGTATATTATAATTTTTCCATCCTATTTTCG

18,360

TIA1

TIA1-205

TIA1-205

TTTTAGAGGGCAGAGGCTTGTGTTTATGTTAGTATTTCTTTTTTTTTTTTTTTTTTTTGGAGTTGGGCTTTCTCTGTTGCCAG
AAAATCTCCCGTCTCCGAACACAAATACAATCATAAAAGAAAAGAAAAAAAAAAAAAAAAAACTCAACCCAGAAAGAGACAACGGGTC

18,445

TIA1

TIA1-205

TIA1-205

GCTGGAGTGCAGCGGGCGGATCTCAGCTCACTGCAAGCTCTGCCTTCCGGGTTTCATGCCATTCTCCTGCCTCAGCCTCTGGAGTA
CGACCTCACGTCGCCCGCGCTAGAGTCGAGTGACGTTTCGAGACGGAAGGCCCAAGTACGGTAAGAGGACGGAGTCGGAGACCTCAT

18,530

TIA1

TIA1-205

TIA1-205

GCTGGGACTACAGGGCGCCCGCCACCACGCCTGACTAATTTTTTGTATTTTTAGTAGAAACAGGGTTTTACCGTGTTGGCCAGGAT
CGACCCTGATGTCCCGGGGCGGTGGTGCGGACTGATTAATAAACATAAAAAATCATCTTTGTCCCAAAGTGGCACAACCGGTCTTA

18,615

TIA1

TIA1-205

TIA1-205

GGTCTCAGTCGCCTGACCTCATGATCCGATCTGCCCGTCTCGGCCCTCCCAAAGTGCTGCGATTACAGGCGTGAGCCACCGTCCCC
CCAGAGTCAGCGGACTGGAGTACTAGGCTAGACGGGCAGAGCCGGAGGGTTTCACGACGCTAATGTCCGCACTCGGTGGCAGGGG

18,700

TIA1

TIA1-205

TIA1-205

AGGTTTTTTTTGTTTTTTTTTTTTGAGATGGAATCTTGCTTTGTACCCAGGCTGGAGTGCAGTGGCACCATCTTGGCTCACTGCA
TCCAAAAAACAAAAAAACTCTACCTTAGAACGAAACAGTGGGTCCGACCTCACGTACCCTGGTAGAACCGAGTGACGT

18,785

TIA1

TIA1-205

TIA1-205

ACCTCTGCCTCATGGGTTCAAGCAATTCTTCTGCTTCAGCCTCCTGGGTAGCTGGGATGACAGGCACCCACCATCATGCCAGCT
TGGAGACGGAGTACCCAAGTTCGTTAAGAAGACGAAGTCGGAGGACCCATCGACCCTACTGTCCGTGGGTGGTAGTACGGGTCGA

18,870

TIA1

TIA1-205

TIA1-205

AATTTTTGTATTTTTGTAGAGACAGGGTTTCACTCTGATGGCCAGGCTGGTCTTGAACCTCTGACCTCAGGTGATCCGCCTGTCT
TTAAAAACATAAAAAACATCTCTGTCCCAAAGTGAGACTACCGGTCCGACCAGAACTTGAGGACTGGAGTCCACTAGGCGGACAGA

18,955

TIA1

TIA1-205

TIA1-205

TGGCCTCCGAAAGTGCTGAGATTACAGACGTCAGCCAGCAGCCTATGTTAGTATTTTTCCATGGTGGATTGTACATGGTAAATAAC
ACCGGAGGCTTTCACGACTCTAATGTCTGCAGTCGGTTCGTCGGATACAATCATAAAAGGTACCACCTAACATGTACCATTTATTG

19,040

TIA1

TIA1-205

TIA1-205

AAAAATTTTGGCTGAATTACTCAAGCTTGGATGCTAATGGAAAAGAATGAAAGGAAAAAAAAATAATATGGGTACTTTAGGTAGGAA
TTTTATAAACGACTTAATGAGTTCGAACCTACGATTACCTTTTTCTTACTTTTCTTTTTTTTTATTATACCCATGAAATCCATCCTT

19,125

TIA1

TIA1-205

TIA1-205

AGGTTAATTGAATGATAACAGACACATAAAGATTAGGATTTGTCAACATTATTTGCCTAAATGTAGGTCAGAAGATTAAGTGTG
TCCAATTAACCTACTATTGTCTGTGATTTCTAATCCTAAACAGTTGTAATAAACGGATTTACATCCAGTCTTCTAATTCACAAC

19,210

TIA1

TIA1-205

TIA1-205

AAACTTGACCAGAGCTGGTATCTCCTTCAGTGTTCATCTTAAACAGATATCTTCCTATGTGTTTATAGATACAAATGTGATTTT
TTTGAAGTGGTCTCGACCATAGAGGAAGTCACAAAGTAGAATTTGTCTATAGAAGGATACACAAATATCTATGTTTACACTAAAA

19,295

TIA1

TIA1-205

TIA1-205

GGGCTTTATTTTTGTGAAGTATAAATGTAGAAATTTTTTTTTTTTAGGAAGTCAAAGTGAATTGGGCAACAACCCCTAGCAGTCA
CCCgAAATAAAAACACTTCATATTTACATCTTTAAAAAAAAAAAAATCCTTCAGTTTCACTTAACCCGTTGTTGGGGATCGTCAGT

19,380

TIA1

TIA1-205

TIA1-205

75 80 85
E V K V N W A T T P S S Q
ENSE00003605947

AAAGAAAGATACAAGCAGTAAGTATATTTTTATGCTCTTTGAACATTTGTTTTTATTGTACCCAGTAGTTTTATTGTAAAGCCTAT
TTTCTTTCTATGTTTCGTCATTCATATAAAAATACGAGAAACTTGTAACAAAAAATAACATGGGTCATCAAAAATAACATTTTCGGATA

19,465

TIA1

TIA1-205

TIA1-205

90
K K D T S
ENSE00003605947

AAACATCATACATGTTTGCAGTAATGTTTTGATCGTTATCCTAAGATATGATTGAATGTGTTTGTGTTAATAAATTTAAGAACAA
TTTGTAGTATGTACAAACGTCATTACAAAACACTAGCAATAGGATTCTATACTAACTTACACAAAACACAATTATTTAAATTCCTTGTT

19,550

TIA1

TIA1-205

TIA1-205

ATCTAATCTTTGTCATCAGGTAGTACCGTTGTCAGCACACAGCGTTCACAAGGTAATTGTATCTTCTTAAACATAAAAATGAAATC
TAGATTAGAAAACAGTAGTCCATCATGGCAACAGTCGTGTGTCGCAAGTGTCCATTAACATAGAAGAATTTGTATTTTACTTTAG

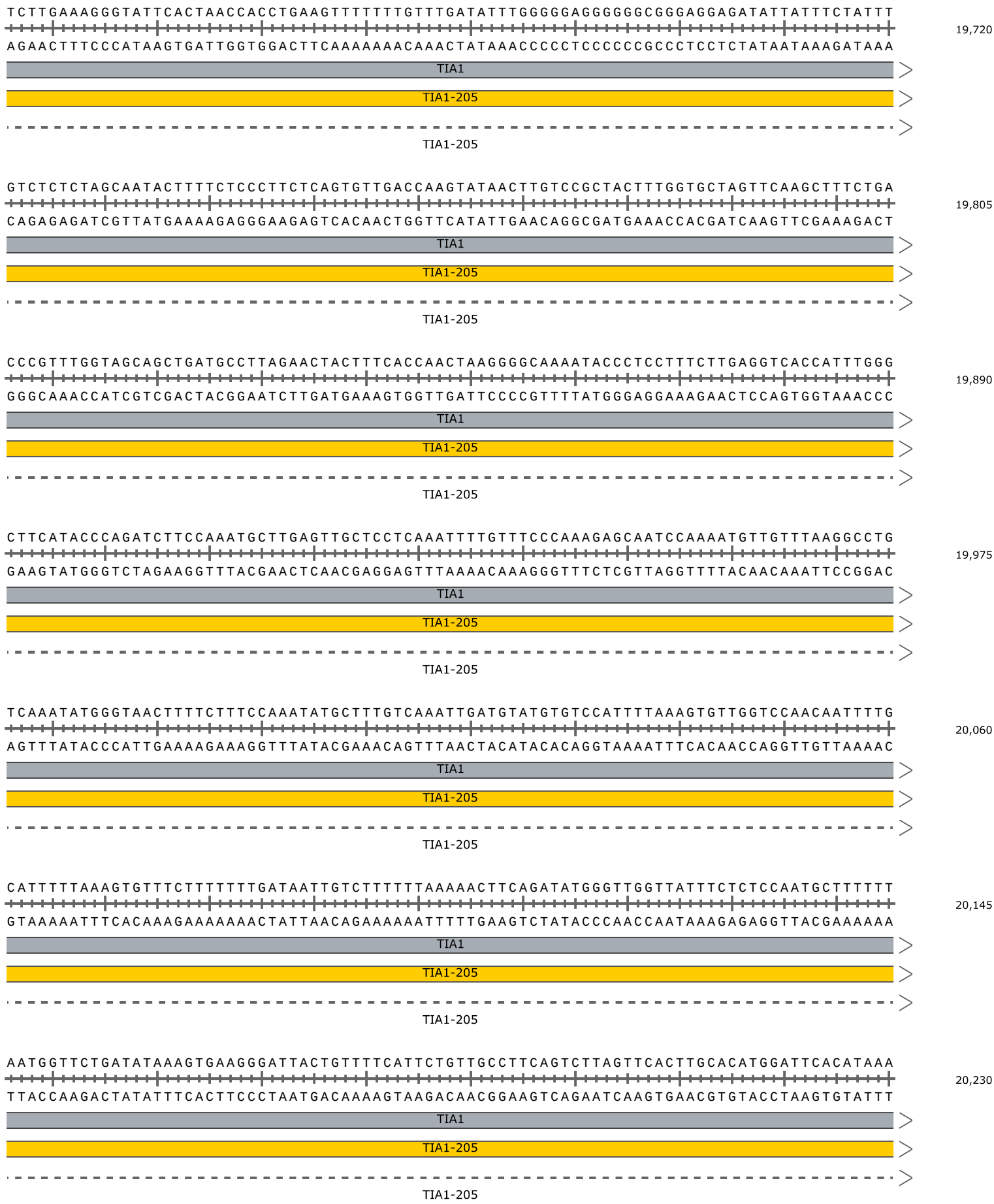
19,635

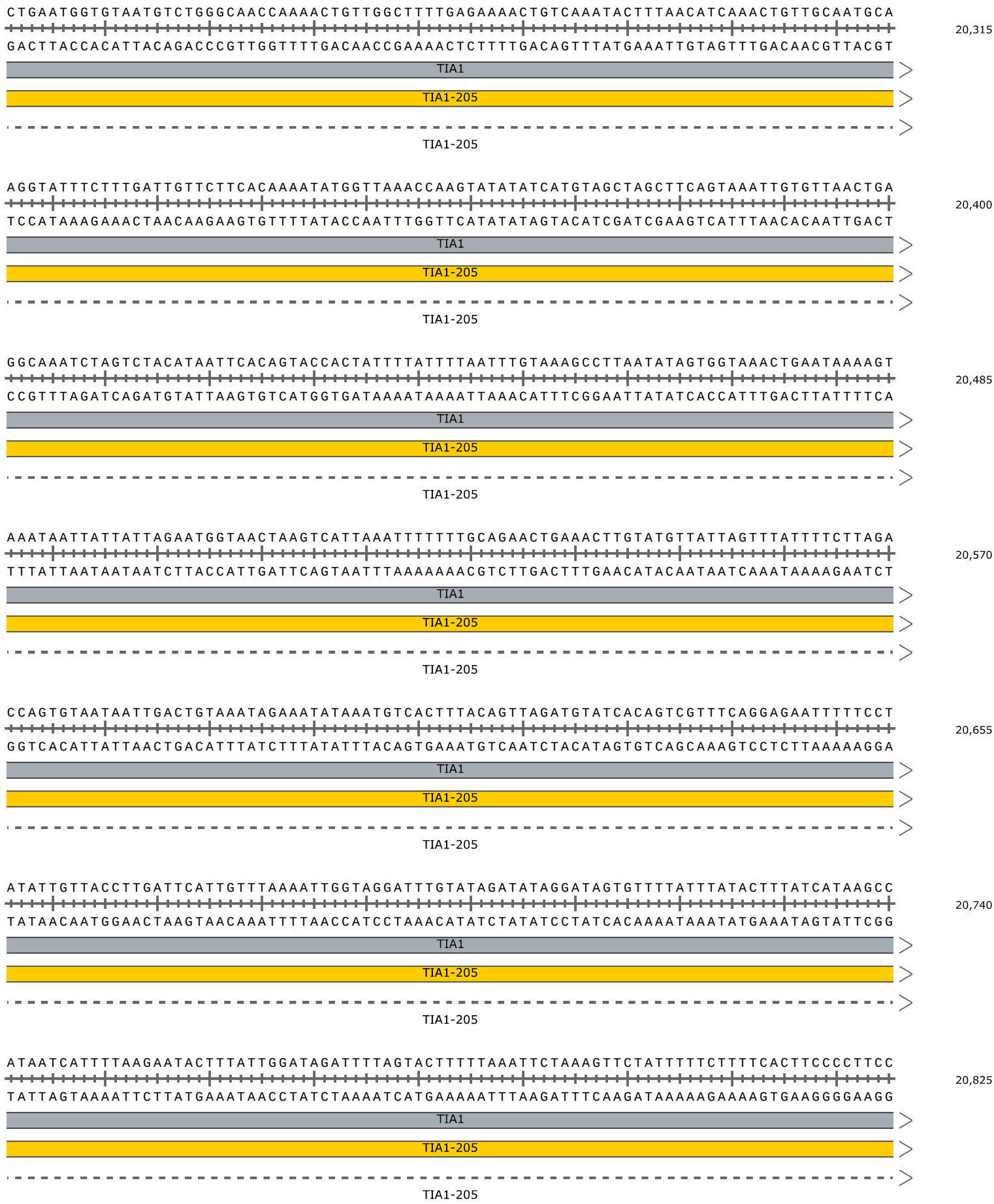
TIA1

TIA1-205

TIA1-205

95 100
S S T V V S T Q R S Q
ENSE00003493099





TTCCCCTTATAAGATCATTTCATGCTTTGTTGGTGATCTCAGCCCAGAAATTACAACCTGAAGATATAAAAAGCTGCTTTTGCAC
 AAGGGGAATATTCTAGTAAAGGTACAGAAACAACCACTAGAGTCGGGTCTTTAATGTTGACTTCTATATTTTCGACGAAAACGTG

20,910

TIA1

TIA1-205

105 110 115 120 125
 D H F H V F V G D L S P E I T T E D I K A A F A

ENSE00003637040

TIA1-205

CATTTGGAAGAATATCGTAAGTAACAGAAGATAAAATAAAATCCTTTTAATTAGAAACAATTATATGTAGACATAAAGTAAATA
 GTAAACCTTCTTATAGCATTTCATTGCTTCTATTTATTTTAGGAAAATTAATCTTTGTTAATATACATCTGTATTGAACTTTTAT

20,995

TIA1

TIA1-205

130
 P F G R I S

ENSE00003637040

TIA1-205

ATTCTGTTGTGAATTTTGTACATTAATTTTATAACTTGAATATAATGTATTACATTGTTTAGAGATCATTCAAGAAGTTAACAGC
 TAAGACAACACTTAAACATGTAATTAATAATTGAACTTATATTACATAATGTAACAAATCTCTAGTAAGTTCTTCAATTGTCG

21,080

TIA1

TIA1-205

TIA1-205

AAAAGATTGTTTTCCCATTTGATGAATAAACCTTTGGTTTTCAATTATCTTAAAATCCTTTTTCAATTAGCATAGCTCTTAAGAGA
 TTTTCTAACAAAAGGGTAACACTACTTATTTGGAAACCAAAGTTAATAGAATTTTAGGAAAAAGTTAATCGTATCGAGAATTCTCT

21,165

TIA1

TIA1-205

TIA1-205

CAAATTTGCCATTGTACATGTTTTACTTTCTTATATAGGTATCAAGCTAGCTTGGTGACAATCTTTAGTAAAATTGTGCTGTAAC
 GTTTAAACGGTAACATGTACAAAATGAAAGAATATATCCATAGTTCGATCGAACCCTGTTAGAAATCATTTTAAACACGACATTG

21,250

TIA1

TIA1-205

TIA1-205

TAAGGAATTTAGATCTGTTGGGTACTTCTATGATACCATGCATTTTGTGTTAATATATTTTAAACAAAAGAAACCTTAAACAATTC
 ATTCCTTAAATCTAGACAACCCATGAAGATACTATGGTACGTAAAACACAATTATATAAAAATTGTTTTTCTTTGGAATTGTTAAG

21,335

TIA1

TIA1-205

TIA1-205

AACTTAAAAAGCAGTTATTGAATATTATTTCTAGATATTTACACCCTTTTAAAAAACTGCTAACAAATAATAGTGCCTTAATAA
 TTGAATTTTTCGTCAATAACTTATAATAAAGATCTATAAATGTGGGAAAATTTTTTTGACGATTGTTATTATCACGGAATTATT

21,420

TIA1

TIA1-205

TIA1-205

TATTTTATGAAGCACTGCCTTGCTTGCCTTGTATTAGTCATACATTTTAGGCCCTTATGAATAAATACCTTACTTGAGATAGC
ATAAAAATACTTCGTGACGGAACGAACGTGAACAATAATCAGTATGTA AAAATCCGGGAATACTTATTTTATGGAATGAACTCTATCG

21,505

TIA1

TIA1-205

TIA1-205

ATTCATCATAGAAGA AACTTTAAAATTTTGAAAAGCATGCCATATTAGAGTAAGAATAACAAGTTGTTTACAGTACTTTCTGTAGA
TAAGTAGTATCTTCTTGAAATTTAAA AACTTTTCGTACGGTATAATCTCATTCTTATTGTTCAACAAATGTCATGAAAGACATCT

21,590

TIA1

TIA1-205

TIA1-205

GTAATTAGCTTAGAAA AACTTCTTCAGGGTTTCTGCTTGTCTGTTATTTTTCCACCTAGAAGAATAGTAAAAAGGAAGTGCTAGC
CATTAATCGAATCTTTTGAAGAAGTCCCAAAGACGAACGAGACAATAAAAAGGTGGATCTTCTTATCATTTTTCTTTCACGATCG

21,675

TIA1

TIA1-205

TIA1-205

TGTGGTTTGGTTTGAACAGACCAACAGCAGAGATGAGATGAGGAGACTGGAAAAGTAAATGCCAGTAGTATTGGTGAATTTTAGGA
ACACCAAACCAA AACTTGTCTGGTTGTCGTCTCTACTCTACTCTGACCTTTCATTTACGGTCATCATAACCACTTAAAATCCT

21,760

TIA1

TIA1-205

TIA1-205

GCTTTCGTTTGAAGAGTTATCGTTCCTTGATTAGGGGATGTGACCAAGGAATTACCAACTTTAAAGGTGGTTCACAGAATTAGGGC
CGAAAGCAA AACTTCTCAATAGCAAGGAAC TAATCCCCTACACTGGTTCCCTTAATGGTTGAAATTTCCACCAGTGTCTTAATCCCG

21,845

TIA1

TIA1-205

TIA1-205

TTATAAATGGACTTCTTTCAGATGACATTTTTCTTTGTGAGACCTGATCAGGAAAATAAGTACAGCTTTTCATTTCTTGATTGTCC
AATATTTACCTGAAGAAAAGTCTACTGTAAAAAGAAACACTCTGGACTAGTCCTTTTATTCATGTGCGAAAAGTAAAGAACTAACAGG

21,930

TIA1

TIA1-205

TIA1-205

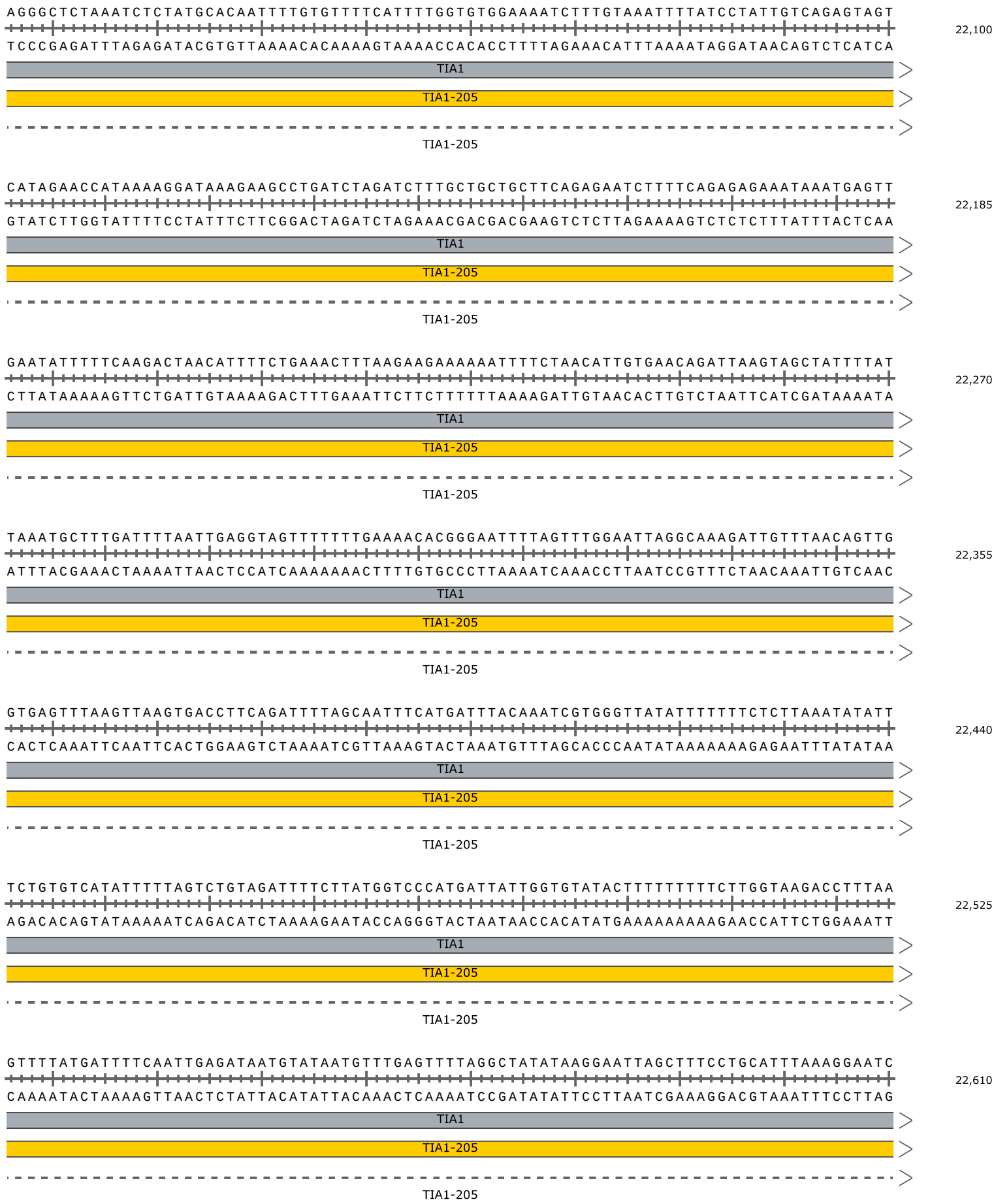
TTCTTAATAATATCTTAGAGTTTCAATAATAATTAGCTTGTCTTTCGAATATCTGGACTTAGACAGTCTTAGCCTTTGGCCTCTCA
AAGAATTATTATAGAATCTCAAAGTTATTATTAATCGAACGAAAGCTTATAGACCTGAATCTGTCAGAATCGGAAACCGGAGAGT

22,015

TIA1

TIA1-205

TIA1-205



ATTTGGCAGTCAGTAGCATATTTTCTGATTTTTTGTGTTGTTAAAGGAGATAAGTTGATAACTGTATGTTGAAGGGTTCTCAT
TAAACCGTCAGTCATCGTATAAAAAGGACTAAAAACAACAACAATTTCTCTATTCAACTATTGACATACAACCTCCCAAGAGTA

22,695

TIA1

TIA1-205

TIA1-205

GATATTCTCTAAAAAGTGCAAATATCAGTGCTTGATTTATAGATGTGTAATAAACAGTGGTCTGTAAAAGCATGTAGTATAAAAA
CTATAAGAGATTTTTTACGTTTATAGTCACGAACTAAATATCTACACATTATTTGTCACCAGACATTTTCGTACATCATATTTTT

22,780

TIA1

TIA1-205

TIA1-205

ATATGGTATTTTCCCTTATATACAGCCTATAAACTCTTCTATTCTTTGAGTTTAGGGTAGACTAACAAATTACAGCGTAGAAGA
TATACCATAAAAAGGGAATATATGTCGGATATTTGAGAAGGATAAGGAACTCAAATCCCATCTGATTGTTAATGTCGCATCTTCT

22,865

TIA1

TIA1-205

TIA1-205

GAGTCAGCTACCAGATTAATGCATGCGTACCATACAGATAATTTATTAAGTATTTTTGCATATTGAACATTGACTTACATTAAT
CTCAGTCGATGGTCTAATTTACGTACGCATGGTATGTCTATTAAATAATTCATAAAAACGTATAACTTGTAACGAATGTAATTA

22,950

TIA1

TIA1-205

TIA1-205

TTTCCCTTTTACCACCACGTCTTTGTCATTTTGACCCTGAACACTTAATAAATCACTCAGATTGATCTAAAATATGCTTATGTA
AAAGGGAAAAGTGGTGGTGCAGAAACAGTAAAACCTGGGACTTGTGAATTATTTAGTGAGTCTAACTAGATTTTATACGAATACAT

23,035

TIA1

TIA1-205

TIA1-205

TACTTTAATAGAAAATTACATTGCATGGCTTTCTGACTTGGGTTTTTGTATATAAAGTGCCTGTTTTGTTTCATGTGTCCTGAGAG
ATGAAATTATCTTTAATGTAACGTACCGAAAGACTGAACCCAAAAACAATATTTTACGGACAAAAACAAGTACACAGGACTCTC

23,120

TIA1

TIA1-205

TIA1-205

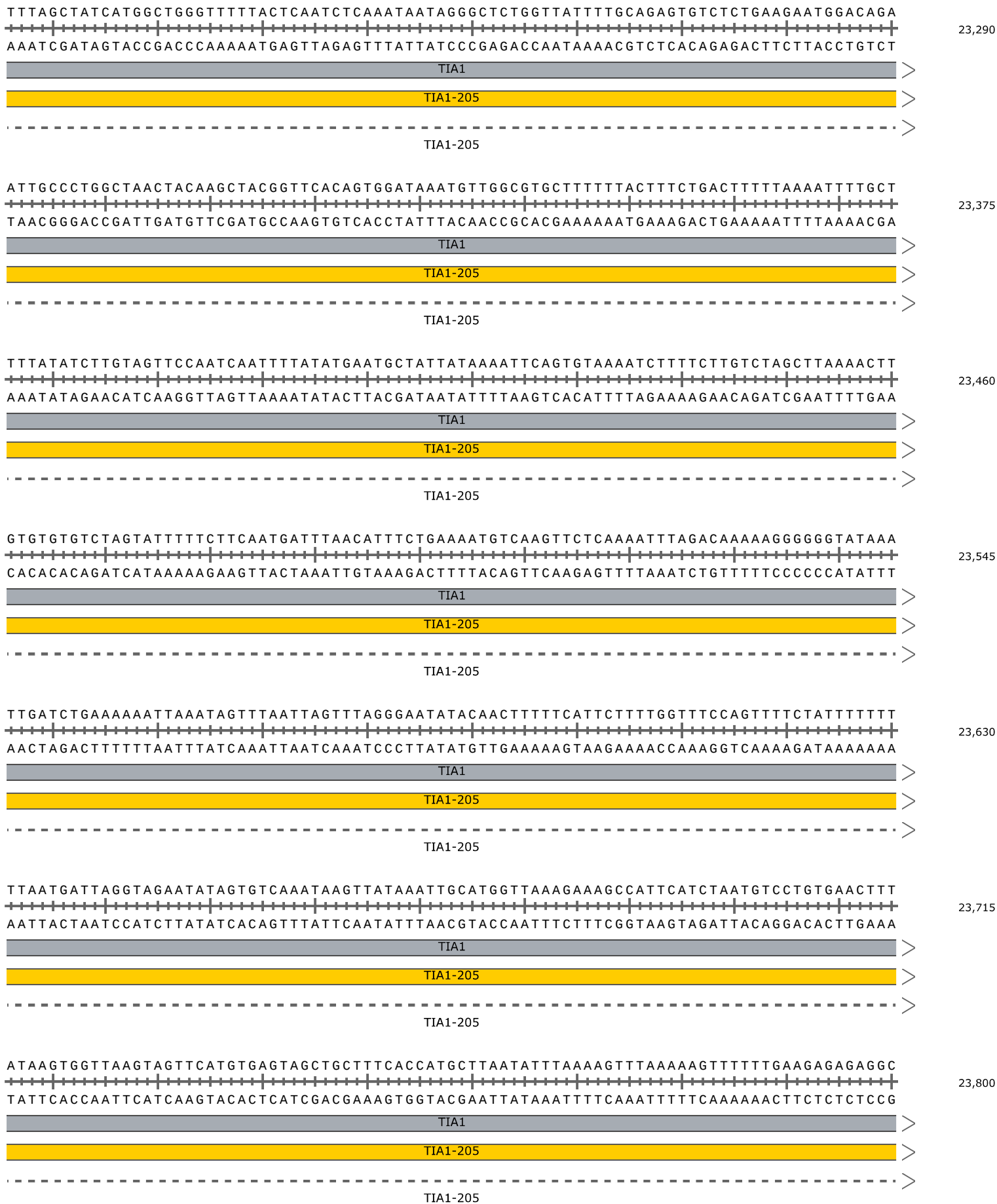
AGCAAGCATTGTGACATACCTGACTAACTTAAAAGCAGATTGCCTGTGAAGCACAATTTGAGTCCAATTTTTGAGGTATGGAGT
TCGTTTCGTAACACTGTATGGACTGATTGAATTTTCGTCTAACGGACACTTCGTGTTAAACTCAGGTTAAAAAAGTCCATACCTCA

23,205

TIA1

TIA1-205

TIA1-205



AATTTCTGTACAATATAAATATACATATATACTTAAGTTATTGATTTGCATGTCTATAAAATTAAGCCTCATTTCCTAATACATG
TTAAAGACATGTTATATTTATATGTATATATGAATTCAATAACTAAACGTACAGATATTTTAATTCGGAGTAAAGGATTATGTAC

23,885

TIA1

TIA1-205

TIA1-205

ATAAATTTTGTAGAATAAAAGGTGAATTTGCATTAAAGGTTCACTTTAATGAAGGTGAAACATGAGAATGAGTTGTGTGTGAAAT
TATTTAAACATCTTATTTTCCACTTAAACGTAATTTCCAAGTGAATTAATTCTCCACTTTGTACTCTTACTCAACACACACTTTA

23,970

TIA1

TIA1-205

TIA1-205

TCTTATTTGATATCCAGAGGATAGTTTGCAAACCTAAACTTCTGATTGTTTCTGATTTTCAGAGATGCCCGAGTGGTAAAAGACAT
AGAATAAACTATAGGTCTCCTATCAAACGTTTGGATTTGAAGACTAACAAAGACTAAAGTCTCTACGGGCTCACCATTTTCTGTA

24,055

TIA1

TIA1-205

TIA1-205

D A R V V K D M
ENSE00003458490

GGCAACAGGAAAGTCTAAGGGATATGGCTTTGTCTCCTTTTTCAACAAATGGGTGAGCTCAGTGAGAAGTGCATGGATAATGCTT
CCGTTGTCTTTTCAGATTCCCTATACCGAAACAGAGGAAAAAGTTGTTTACCCACTCGAGTCACTCTTACGTACCTATTACGAA

24,140

TIA1

TIA1-205

TIA1-205

A T G K S K G Y G F V S F F N K W
ENSE00003458490

AAAGAGTAAAGAATGGAAACACTCCGTTTTAATTACTAATCTTTTTTTTCGTCTGCTGTTTATTTTACTGATGATTAATAAACC
TTTCTCATTCTTACCTTTGTGAGGCAAAATTAATGATTAGAAAAAAGCAGACGACAAATAAAATGACTACTAATTTTATTTGG

24,225

TIA1

TIA1-205

TIA1-205

CTCACTAGAAGATTTCTTCTGTTTTGTCTGTTTAAACATTTATTGGCACCTGAGGCATGCAGAGTACTGATAAGATGTTTTTCAGAA
GAGTGATCTTCTAAAGAAGACAAAACAGACAAATTGTAATAACCGTGGACTCCGTACGTCTCATGACTATTCTACAAAAGTCTT

24,310

TIA1

TIA1-205

TIA1-205

TGTAGAAAGTAAAGTTGTTTAAATTATCAGCCAAAGGTAGATGTTGAAAATCTCATTATGGATTTAATTCATTATCTCCCTAGT
ACATCTTTTCATTTCAACAAATTTAATAGTCGGTTTTCCATCTACAACCTTTTAGAGTAAATACCTAAATTAAGTAATAGAGGGATCA

24,395

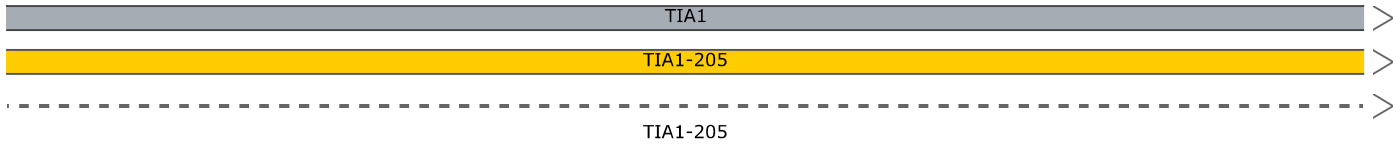
TIA1

TIA1-205

TIA1-205

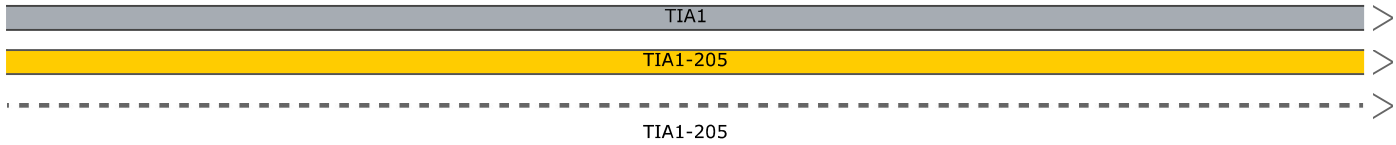
TTATATTCCCATGGTAGTTTAAAAAGTAGCTAATAAAAATACTGTGAGGAGGCCGGACGCAGTGGCTCACACCTGTAATCCCAACAC
AATATAAGGGTACCATCAAATTTTCATCGATTATTTTATGACACTCCTCCGGCCTGCGTCCACCGAGTGTGGACATTAGGGTTGTG

24,480



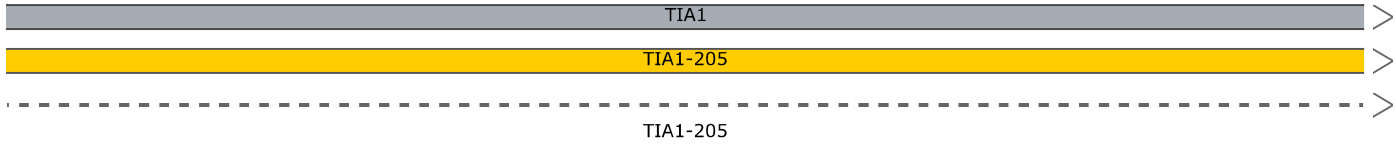
TTTGGGAGGCTGAGGCGGGTGGATCACCTGAGGTCAGGACTTTGAGAACAGCCAGGTCAACCTGGTGAAACCTGTTTCTACTAA
AAACCCTCCGACTCCGCCACCTAGTGGACTCCAGTCTGAAACTCTTGTCTGGTCCAGTTGGACCACTTTGGGACAAAAGATGATT

24,565



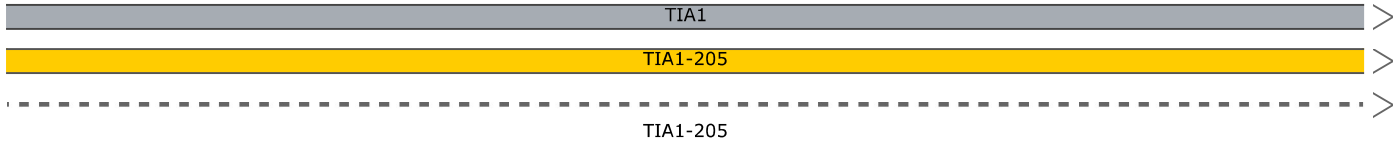
AAATACAAAAATTATCCGGGCGTGGTGGCAGGCGCCTGTAGTCCCAGCTACTCGGGAAGCTGAGGCAGGAGGATCACTTGAACCC
TTTATGTTTTAATAGGCCCGCACACCAGTCCGCGGACATCAGGGTCGATGAGCCCTTCGACTCCGTCTCCTAGTGAACCTGGG

24,650



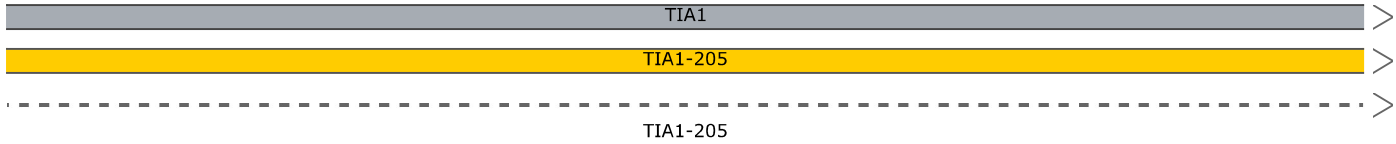
AGGAGGCACAGGTTGCAGTGAGCCGAGATCATGCCACAGCACAGCCTGGGCGACAGAGTGAGACCCTGTCTCAAAAAATAAATAA
TCCTCCGTGTCCAACGTCACCTCGGCTCTAGTACGGTGTCTGTCTCGGACCCGCTGTCTCACTCTGGGACAGAGTTTTTTTATTATT

24,735



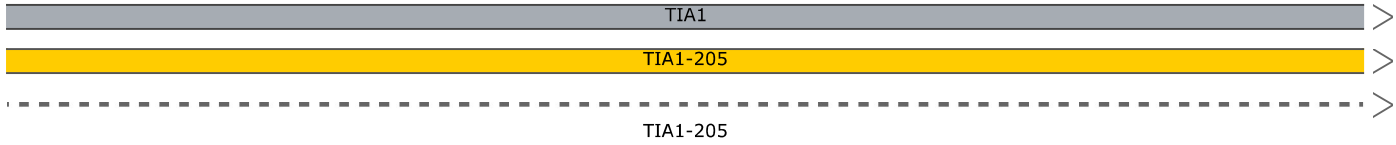
ATAAATAAAAAATACTGTGATGGATAGGAACTTTTTAAAAAATAAATATTACCCGGGCACAGTGGTTTTATGCCTATAACCTCAGC
TATTTATTTTTATGACACTACCTATCCTTGAAAAATTTTTAATTTATAATGGGCCCGTGTCCACAAATACGGATATTGGAGTCG

24,820



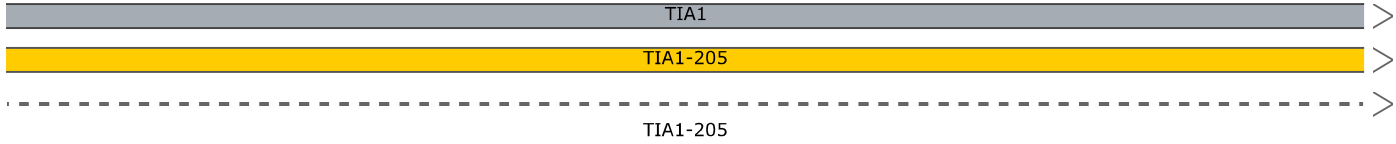
ACTTTGGGAGGCTGAGAAGTTTGAGATAAATACTGGCAATATAGTGGGACCCTATCTCTACAAAATATATATTTTTTTATTTTA
TGAAACCTCCGACTCTTCAAACCTATTTATGACCGTTATATCACCCCTGGGATAGAGATGTTTTATATATATAAAAAATAAAT

24,905



CTTTTTTTTTAATTTTTTTTTTTCCGGGAATTCCGAAAATTCAGCCGAGCCCAGTGGCTCACACCTGTAATCCCAGCACTTTGGG
GAAAAAAAATTAATAAAAAAAGGCCCTTAAGGCTTTTAAGTCGGCTCGGGTCCACCGAGTGTGGACATTAGGGTCGTGAAACCC

24,990



ATGCCAAGGTGGGCGGATCACTTGAGGTCAGGAGTTCAAGACCAACCTGGACAACATGGCAAAACCCCATCTCTACAAAAAATTA
TACGGTTCCACCCGCCTAGTGAAGTCCAGTCCTCAAGTTCTGGTTGGACCTGTTGTACCGTTTTGGGGTAGAGATGTTTTTTAAT

25,075

TIA1

TIA1-205

TIA1-205

GCCAGGCATGGCGACACATGCCTGTAGTCCCAGCTACTTGCAGGGCTGAGGCGGGAGGATCACTTAAATCCAGGAGGCCAAAGCT
CGGTCCGTACCGCTGTGTACGGACATCAGGGTTCGATGAACGTCCCGACTCCGCCTCCTAGTGAATTTAGGTCCTCCGGTTTTCGA

25,160

TIA1

TIA1-205

TIA1-205

GCAGTGAGTCATGATCAAGCCACTGTACTCCAGCCTGGGTGACAAAGTGAGGCCCTGTCTCAAGAAAAAAAAAAGTTGAAAATTGT
CGTCACTCAGTACTAGTTTCGGTGACATGAGGTCGGACCCACTGTTTCACTCCGGGACAGAGTTCTTTTTTTTTCAACTTTTAAACA

25,245

TIA1

TIA1-205

TIA1-205

AAAGTACATTGAGAGGTGAAAACAATACAAGCTCAATCATGTACATGTCCCATCTACCAAAGATTTTTTTTTTCTGTAAGATGA
TTTCATGTAACCTCTCCACTTTTGTATGTTTCGAGTTAGTACATGTACAGGGTAGATGGTTTCTAAAAAAAAAAGGACATTCTACT

25,330

TIA1

TIA1-205

TIA1-205

GAAAATAAAAATTAAGAGAATTTATTTGGTTCTCAAACTTTACTATTAAGCATAGCATAATGTTTTAGAAAGGTAGAAAAATAC
CTTTTATTTTAAATTCTCTTAAATAAACCAAGAGTTTTGAAATGATAATTCGTATCGTATTACAAAATCTTTCCATCTTTTTATG

25,415

TIA1

TIA1-205

TIA1-205

CTTCTATAATGGATTGATAGCCGTGATTAATTTGAGTTCCTTAGAGGATTGATTCATAGGTTTTAGGATGTTTTAGTGAAGTTA
GAAGATATTACCTAACTATCGGCACTAATTAACCTCAAGGAATCTCCTAACTAAGTATCCAAAATCCTACAAAATCACGTTCAAT

25,500

TIA1

TIA1-205

TIA1-205

GGGAAATAAATTGGCGGTTTTGATGGGCTAGGAACTCATTTTTACATTTTTCGAGATTGTGGACTGTAGGGTTCTGCTATATAAAA
CCCTTTATTTAACCGCCAAACTACCCGATCCTTGAGTAAAAAGTGTA AAAAGCTCTAACACCTGACATCCCAAGACGATATATTTT

25,585

TIA1

TIA1-205

TIA1-205

ATCACTGTTGAATGTGTATTTAGTATGAACTAGAGTCAAATAGCAAAGGATGTCTCTTGATAACCTGTGTATGGCCTCTGGAGTT
TAGTGACAACCTTACACATAAATCATACTTGATCTCAGTTTATCGTTTTCTACAGAGAAGTATTGGACACATACCGGAGACCTCAA

25,670

TIA1

TIA1-205

TIA1-205

AGCCAGAGATGTATACAAATTCTGACAACCATTATAAAACAGATGTAACTTTGAGTAAATAATATAATTTTTTTTTTTGAGACGGA
TCGGTCTCTACATATGTTTAAGACTGTTGGTAATATTTTGTCTACATTGAAACTCATTTATTATATTAATAAAAAAAAAACTCTGCCT

25,755

TIA1

TIA1-205

TIA1-205

GTTTCGCTCTGTTGCCAGGCTGGAGCGCAATGGCGCAATTTTCGGCTCACTGCAACCTCCATCTCCTGGGTTCAAGCAATTCTTC
CAAAGCGAGACAACGGGTCCGACCTCGCGTTACCGCGTTAAAGCCGAGTGACGTTGGAGGTAGAGGACCCAAGTTCGTTAAGAAG

25,840

TIA1

TIA1-205

TIA1-205

TGCCTCAGCCTCCCAAGTAGCTGGGATTACAGGTGCCGCCACCATGCACGGCTAATTTTTTGTATTTTTAGTAGAGACAGGATTT
ACGGAGTCGGAGGGTTCATCGACCTAATGTCCACGGCGGTGGTACGTGCCGATTAAAAACATAAAAAATCATCTCTGTCTCTAAA

25,925

TIA1

TIA1-205

TIA1-205

CACTATGTTGGCCAGGCTGGTCTCAAACCTCTGACCTTGTGATCCACCTGCCTCGGCCTCCAGAGTGCTGGGATTACAGGCGTG
GTGATACAACCGGTCCGACCAGAGTTTGGAGACTGGAACACTAGGTGGACGGAGCCGGAGGGTCTCACGACCTAATGTCCGCAC

26,010

TIA1

TIA1-205

TIA1-205

AGCCACTGCGCCCGGCAGTAAATAATATAATCTTCTATAAAATCTTCTATAAAATTTAAATCTATAAAATTTCAACTTATGTAAAAT
TCGGTGACGCGGGCCGTCATTTATTATATTAGAAGATATTTAGAAGATATTTAAATTTAGATATTTAAAGTTGAATACATTTTA

26,095

TIA1

TIA1-205

TIA1-205

TTGTGATACGTGCTTGGCTCTGTTACGCAGTGCTACAGCCCTGATTGCAATTACCCCCAGCCTCTCTTCTATGTTCTACATGCT
AACACTATGCACGAACCGAGACAATGCGTCACGATGTCGGGACTAACGTTAATGGGGGTCGGAGAGAAGGATACAAGATGTACGA

26,180

TIA1

TIA1-205

TIA1-205

AGGAAGACCACAATACTGATTGAGCTTAGCTTCTCTGCCTACCCCAAATAACTGAATGTTCTCGGAAAAAACTGAGTTCAGGT
TCCTTCTGGTGTTATGACTAACTCGAATCGAAGAGACGGATGGGGTTTTATTGACTTACAAGGACCTTTTTTTGACTCAAGTCCA

26,265

TIA1

TIA1-205

TIA1-205

GGTTTTGCTTCTAATTTAATGGTCCACACTTTAGGTGAGTACAGAGTACTGTCTTGGCAAACATGTGTTTTCTCATCTTTCAACC
CCAAAACGAAGATTAAATTACCAGTGTGTGAAATCCACTCATGTCTCATGACAGAACCCTTTGTACACAAAAGAGTAGAAAAGTTGG

26,350

TIA1

TIA1-205

TIA1-205

ACCAAACCTTACATAAAATTCATCCACCTTCCCATCTTCTTCTATTATAGTACAGGAAAGGTCCTTCTGTCAAAGGCCAAAATCACT
TGGTTTGAATGTATTTAAGTAGGTGGAAGGGTAAGAAGGATAATATCATGTCTTCCAGGAAGGACAGTTTCCGTTTTAGTGA

26,435

TIA1

TIA1-205

TIA1-205

TATGATTGTGTCCCATCTCTCTTGCCTTTTCAAGGACTTTGAGCCTATGCTGCCACTGCTTCATTGTTTTTTTTTTGTTTGT
ATACTAACACAGGGGTAGAGAGAACGGAAAAGTTCTTGAACCTCGGATACGACGGTGACGAAGTAACAAAAAAAAAACAAACAAA

26,520

TIA1

TIA1-205

TIA1-205

GTTTTGTTTTGTTTTGTTTTAACAGCAGCTTTATTGAGATATAATTCAAGTATACAGTGTGGCCGGGCACAGTGGCTCACACCT
CAAAAACAAAACAAAACAAAATTGTCGTGCAAATAACTCTATATTAAGTTCATATGTCACACCCGGCCCGTGTACCCGAGTGTGGA

26,605

TIA1

TIA1-205

TIA1-205

GTAATCCCAGCACTTTGGGAGACTAAGGCAGGCAGATTACTTGAGCCTAGGAATTTGAGAGCAGCCTGGGCAAAATGGCAAAACC
CATTAGGGTCTGTGAAACCCTCTGATTCCGTCCGTCTAATGAACTCGGATCCTTAAACTCTCGTCGGACCCGTTTTACCGTTTTGG

26,690

TIA1

TIA1-205

TIA1-205

CCTTCTCTACAAAAATGAGCCAGGCATGGTGGCACACACCTGTAGTCCCAGTTACTTGAGAGGCAGAGGTGGGGGAATCACCTG
GGAAGAGATGTTTTTACTCGGTCCGTACCACCGTGTGTGGACATCAGGGTCAATGAACTCTCCGTCTCCACCCCTTAGTGGAC

26,775

TIA1

TIA1-205

TIA1-205

AGCCCAGGAAGTTGAGGATCCAGTGAGCTGAGATTGCACCACTGCACTCCAGCCTGGACGACAGAGACCCTGTCTCAAAAAAAAAA
TCGGGTCCTTCAACTCCTAGGTCAGTCTGACTCTAACGTGGTGACGTGAGGTCGGACCTGCTGTCTCTGGGACAGAGTTTTTTTTTT

26,860

TIA1

TIA1-205

TIA1-205

AATTTTTTTTTTAAAGTATACAATTCAGTGGTTTCTAGGTAATTCACAGAATTGTGCAACTATTACCAAATAAATTTTAGAATA
TTAAAAAAAAAATTTTCATATGTTAAGTCACCAAAGATCCATTAAGTGTCTTAACACGTTGATAATGGTTTTATTTAAATCTTAT

26,945

TIA1

TIA1-205

TIA1-205

TTTTTACCACCCCAAAAAGAAGCTACATGACTCATTAGCAGTCACTATCCTCCTTTCATGCCCTCCTGCCAGCCCTGAACAATT
AAAAATGGTGGGGTTTTCTTCGATGTACTGAGTAATCGTCAGTGATAGGAGGAAAGTACGGGGAGGACGGTCGGGACTTGTTAA

27,030

TIA1

TIA1-205

TIA1-205

GTCAATCTACTTTCTGTCTCTGTAGATTTCCCTGTTCTCAACATTTCTATAAATGGAATCATAATGTGCTGTTCTTGTTATTAC
CAGTTAGATGAAAGACAGAGACATCTAAAGGGACAAGAGTTGTAAGGATATTTACCTTAGTATTACACGACAAGAACAATAATG

27,115

TIA1

TIA1-205

TIA1-205

TGCTATTCTGTGTCATCACTCTATTCCCTTCTCTACTGGATCATTCTCATCAACCTAGGATCTCTCTTTTTTTTTTTGGAGAGAGGG
ACGATAAGACACAGTAGTGAGATAAGGAAGAGATGACCTAGTAAGAGTAGTTGGATCCTAGAGAGAAAAAAAAAACCTCTCTCCC

27,200

TIA1

TIA1-205

TIA1-205

TCTCACTCTGTCACTCAGGCTGGAGTGCAGTGGTGTGATCATAGCTCACTGCAGCCTCGAACTCCTGGCCTCAATCCATCCTCCT
AGAGTGAGACAGTGAGTCCGACCTCACGTCACCACACTAGTATCGAGTGACGTCGGAGCTTGAGGACCGGAGTTAGGTAGGAGGA

27,285

TIA1

TIA1-205

TIA1-205

GCCTCAGCCTCCAGAGTAGCTGGGACCACAGGTGTACACCACCATGCCACCTAATTTTTTTTTTAAAAAAGGCCAGGCATGGTG
CGGAGTCGGAGGTCTCATCGACCCTGGTGTCCACATGTGGTGGTACGGGTGGATTAATAAAAAAAAAATTTTTTCCGGTCCGTACCAC

27,370

TIA1

TIA1-205

TIA1-205

GCTCACACTTGTAATCCCAGCACTTTGGGTGGCCGAGGCAAGCAGATCATGAGGTCAGAAGTTCGAGACCAGCCTGACCAACATG
CGAGTGTGAACATTAGGGTCGTGAAACCCACCGGCTCCGTTCTGTCTAGTACTCCAGTCTTCAAGCTCTGGTCGGACTGGTTGTAC

27,455

TIA1

TIA1-205

TIA1-205

GTGAAACCCCGTCTCTACTAAAAATAGAAAAATTAGCCAGGCATGGTGGCACACGCCTGTAATCACGGCTACTCAGGAGGCTGAG
CACTTTGGGGCAGAGATGATTTTTATCTTTTTAATCGGTCCGTACCACCGTGTGCGGACATTAGTGCCGATGAGTCTCCGACTC

27,540

TIA1

TIA1-205

TIA1-205

GCAGGAGAATCGCTTGAACCTGGGAGGCCAAAGGTTGCAGTGAGCTGAGATTATGCCACTGCACTCCAGCCTGGGCAACAGAGTGA
CGTCTCTTAGCGAACTTGGACCCTCCGTTTCCAACGTCCTCGACTCTAATACGGTGACGTGAGGTCGGACCCGTTGTCTCACT

27,625

TIA1

TIA1-205

TIA1-205

GACTCCGTCTCAAAAATATATATATATATTTTTTTGTAGGAACAATCTCACTTTGTTGCCAGTCTGGCCTCGAACTCCTGGCTT
CTGAGGCAGAGTTTTTATATATATATATAAAAAACATCCTTGTAGAGTGAAACAACGGGTCAGACCGGAGCTTGAGGACCGAA

27,710

TIA1

TIA1-205

TIA1-205

CCACCAGTCCGCCCGCCTTGGCCTCCCAAAGTGGTGGGGTTATAGGCATGAGGCACCGTTTCTGGCCATCTAGTATCTCTTAATC
GGTGGTCAGGCGGGCGGAACCGGAGGGTTTACCACCCCAATATCCGTA CTCCGTGGCAAGGACCGGTAGATCATAGAGAATTAG

27,795

TIA1

TIA1-205

TIA1-205

AAAACCACTGTTTATCCTCACATCCCTTCCCTAACTGTATCCCCATTTCTTGGCTATAATTCTCAAGAGTTGTTTGCATATGCTT
TTTTGGTGACAAAATAGGAGTGTAGGGAAGGGATTGACATAGGGGTAAAGAACCATATTAAGAGTTCTCAACAAAACGTATACGAA

27,880

TIA1

TIA1-205

TIA1-205

CTACTTTATCTCCCATTCACAACCACCAACATAGATACATCTCTGTTTTTTTTTCCACTTTTTTGGAGTGAGTAGTTTTATTTTTT
GATGAAATAGAGGGTAAGTGTGGTGGTTGTATCTATGTAGAGACAAAAAAGGTGAAAAA ACTCACTCATCAAAAATAAAAAA

27,965

TIA1

TIA1-205

TIA1-205

CCTGAGGAGCTGTATCAAAGTATCATAAACTGGATGGCTTAGAGCAACAAAAATTTATTTTCTCAATGTTTTGGAGGCGTGAAAT
GGACTCCTCGACATAGTTTTCATAGTATTTGACCTACCGAATCTCGTTGTTTTTAAATAAAAAGAGTTACAAAACCTCCGCACTTTA

28,050

TIA1

TIA1-205

TIA1-205

TCACAATCAAGGTGTCAGCATGTCCATGCTCTTTTGAAGGCTCTGTAGAAGAATCCTTTGTTGCTTCTTCCAAGCTTCTGGTGGT
AGTGTTAGTTCACAGTCGTACAGGTACGAGAAAACTCCGAGACATCTTCTTAGGAAAACAACGAAGAAGGTTCTGAAGACCACCA

28,135

TIA1

TIA1-205

TIA1-205

TGCTGGTAATTCTTGGCATTTCATTGGCTTGTAGCTGTATAACTCCAATCTCTGCCTTCATCTTTCACATGACCATCTTCTCTCTTT
ACGACCATTAAGAACCGTAAGTAACCGAACATCGACATATTGAGGTTAGAGACGGAAGTAGAAGTGTACTGGTAGAAGAGAGAAA

28,220

TIA1

TIA1-205

TIA1-205

GTGTATCCATATAATCATCATCTTTTTTTTTTCGAGACAGGACCTCACTCTGTCACCCAGGCTGGAGTGTGGTGGCACAATCACAA
CACATAGGTATATTAGTAGTAGAAAAAAGCTCTGTCTCGGAGTGAGACAGTGGGTCCGACCTCACACCACCGTGTAGTGTT

28,305

TIA1

TIA1-205

TIA1-205

CTCACTGCAGCCTTGACCTCCAGGCTTAGGGTATCTTTCCATCACAACCTCCTAAGTAGCTGGGACTACAGGTGTTGCAACACC
GAGTGACGTCGGAACCTGGAGGGTCCGAATCCACTAGAAAGGTAGTGTGGAGGATTTCATCGACCCTGATGTCCACAACGTTGTGG

28,390

TIA1

TIA1-205

TIA1-205

ATGCCAGCTAATTTTTCTATTTTTTGTAGAGACAGGATTTTGTGATGTTGTCCAGGCTGGTCTCGAACTCCTGGGCTCATGATC
TACGGGTCGATTA AAAAGATAAAAAACATCTCTGTCTTAAACAGTACAACAGGTCCGACCAGAGCTTGAGGACCCGAGTACTAG

28,475

TIA1

TIA1-205

TIA1-205

CACCTGCCTCGGCCTCCCAAGTGCTGGGATTATAAGTGTGAGCCACCGTGCCAGTCTGATCTTTACTTCTTATGAGGACTTGAG
GTGGACGGAGCCGGAGGGTTCACGACCCTAATATTCACACTCGGTGGCACGGGTCAGACTAGAAATGAAGAATACTCCTGAACTC

28,560

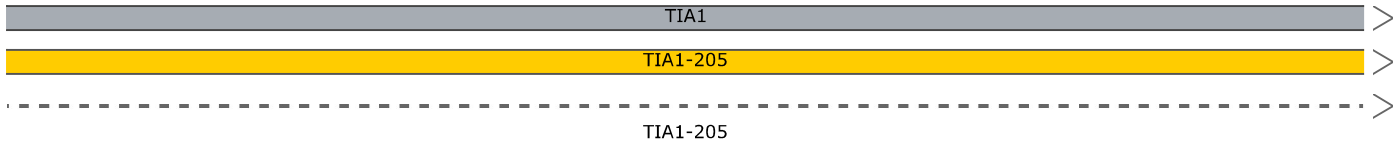
TIA1

TIA1-205

TIA1-205

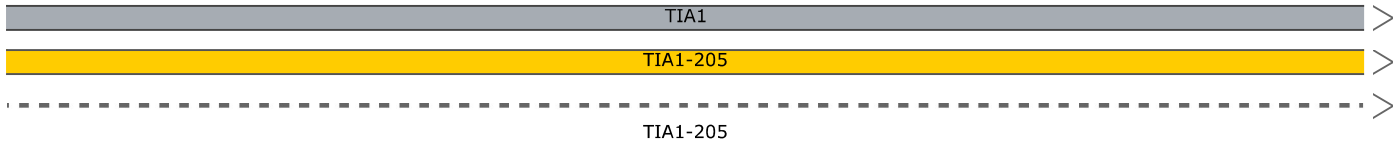
TCATTGGATTTGGGGCCACCTTAATCCAGTATAACCTCATCTTAATTACTTCGGCAAAGACCCTGTTTCCAATAAGGCCATAT
AGTAACCTAAACCCCGGGTGGAAATTAGGTCATATTGGAGTAGAATTAATGAAGCCGTTTCTGGGACAAAAGGTTTATTCCGGTATA

28,645



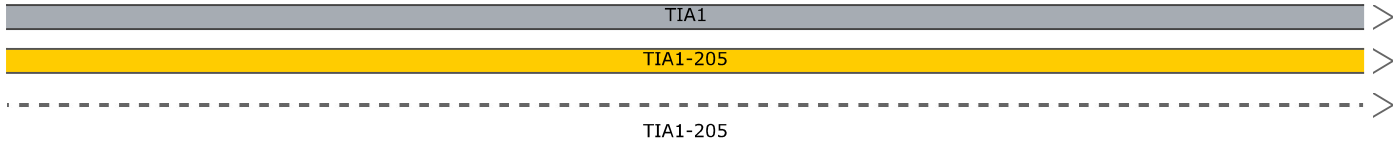
TTCACAGATACCAGGGTATAGGACTTCATATCGTTTTGAGGGACACAATTCAACACATAACATTAGTTAAGCGTCTCATGGAGTT
AAGTGTCTATGGTCCCATATCCTGAAGTATAGCAAAACTCCCTGTGTTAAGTTGTGTATTGTAATCAATTCGCAGAGTACCTCAA

28,730



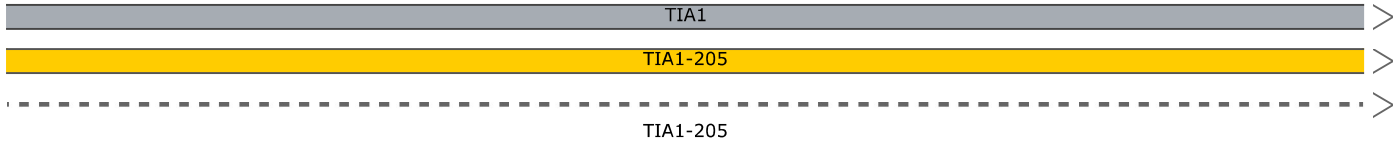
CGGACTGGTTGGGGTGATAATATTTGTTTTCTTTTTAAGAATGTGCATTTCTGCCAGGCACAGTGGCTCATTCTGTAATAACAG
GCCTGACCAACCCCACTATTATAAACAAAGAAAAATTCTTACACGTAAGGACGGTCCGTGTCACCGAGTAAGGACATTATTGTC

28,815



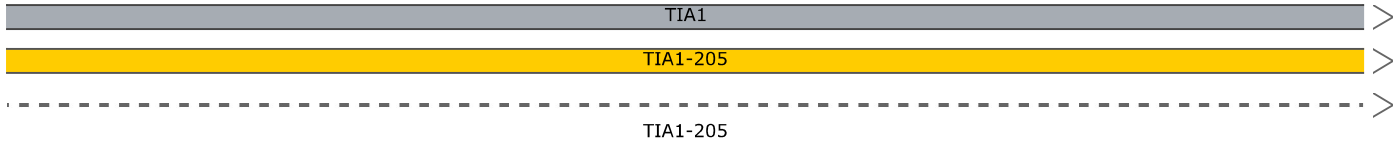
AACTTTGGGAGGCCAAGGCAGGAGGAGGACTGCTTGAGCCCAGGAGTTAGAAACCAGCCTGGGCAACAGCAAGACCCTGTCTCCA
TTGAAACCTCCGGTTCGGTCCCTCCTGACGAACTCGGGTCCCAATCTTTGGTCCGACCCGTTGTGCTTCTGGGACAGAGGT

28,900



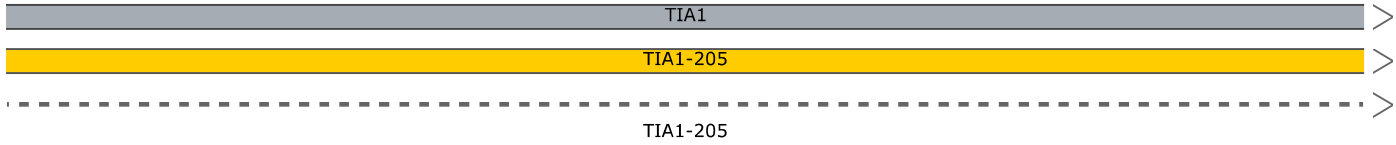
TTAAAAAAAAAAAAAAAAAAGCCTGGCGACCTAGTCTGTGGACCCGAATCCCTCCCATTGCCTGTTGCAACCAGTAAAGGCT
AATTTTTTTTTTTTTTTTTTTTTTTCGGACCGCTGGATCAGACACCTGGGGCTTAGGGAGGGTAACGGACAACGTTGGTCATTTCCGA

28,985



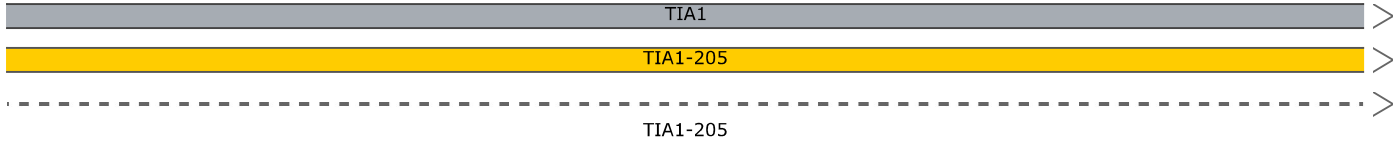
GTTCTACCATAGTAAAGAAATTAATAAAAAAAAAACAGCCAACCTTGTGGTGCATGCTTATAGTCTAGCTACTAGGAGG
CAAGGATGGTATCATTTCTTAATTTTTTTTATTTTTTTTGTGCGGTTGGAACAACCACGTACGAATATCAGGATCGATGATCCTCC

29,070



CTGAGGTGGGAGTATCACTTGAGCCCAAGGAGTTCAAGGCTACAGTAAGCTGTGATCATGCCTGGATGACAGAATAAGACCCTAT
GACTCCACCCTCATAGTGAACCTCGGGTTCCTCAAGTTCCGATGTCATTTCGACACTAGTACGGACCTACTGTCTTATTCTGGGATA

29,155



TTAATTTTTTTTTAAAGCATTTTCGTTTTTCATATTTCAAGAAAGGCCTTGAATTTGCCTGTTCCCTCAGTAGTAGATTAAGCTTAC
AATTAATAAAAAAAAAATTTTCGTAAAGCAAAAAGTATAAAGTTCTTTCCGGAACCTTAAACGGACAAGGAAGTCATCATCTAATTCGAATG

29,240

TIA1

TIA1-205

TIA1-205

CTTTGATGTGTGCACACAAAAGTTACACTCCATTTACTTTTTAGTCTACTCTAAGCTGGTTTTACTCTCACTTTGTACCAATGCT
GAAACTACACACGTGTGTTTTCAATGTGAGGTAATGAAAAATCAGATGAGATTTCGACCAAAAATGAGAGTGAAACATGGTTACGA

29,325

TIA1

TIA1-205

TIA1-205

ACTCTATTTTCAAGGTCACCTCTTAACCTCTGTTTTCTTGGCTCCCTGGACCATACACTTTTGTGGCTTTCTTCCCTTCATCACTG
TGAGATAAAAAGTTCCAGTGGAGAATTGGAGACAAAAGAACCAGGGACCTGGTATGTGAAAACACCGAAAAGAAGGAAGTAGTGAC

29,410

TIA1

TIA1-205

TIA1-205

GCTACTCCTCCCTAGTCACCTTAGCTAGTGATTATTCCTTTACCCATTTTTCAAGTTTTGCTGTTTTTTCAGGGCTCTGTCCTAGG
CGATGAGGAGGGATCAGTGAATCGATCACTAATAAGGAAATGGGTAAAAAGTTCAAACGACAAAAAGTCCCAGACAGGATCC

29,495

TIA1

TIA1-205

TIA1-205

CTCTTCTCTAGTCTGCATGAATTTTGTATCTTCAGTCTACTTCTCTGCGTTCCACATTTATTAACAAATGGTCTTCATTTATAT
GAGAAAGAGATCAGACGTACTTAAAACATAGAAGTCAGATGAAGAGACGCAAGGTGTAATAATTGTTTACCAGAAGTAAATATA

29,580

TIA1

TIA1-205

TIA1-205

GTCTCACAGGCATCTCAAAGTTTTTTCTTAATGGAGCTTTTTGTTTCTTCTCAGACCTGTTCCCTTTTTCTTTCCTAGTCTTTTC
CAGAGTGTCAGTAGAGTTTCAAAAAAGAATTACCTCGAAAAACAAAGAAGGAGTCTGGACAAGGGGAAAAGAAAGGATCAGAAAAG

29,665

TIA1

TIA1-205

TIA1-205

TCCGCATTTCAATAAATGCTGTCTTTCCAATTTCTCTAGAGGAACCTAAGAGTTATCTTTTTCTCTCCTTTTTGCTTGTGGTGTCCC
AGGCGTAAAGTTATTTACGACAGAAAAGGTTAAAGAGATCTCCTTGGATTCTCAATAGAAAAGAGAGGAAAACGAACACCACAGGG

29,750

TIA1

TIA1-205

TIA1-205

CTCCAGCCCCCATTATTTTGGCCTTGAGTTTAAAGTTACATTCACTGCTACTGCAATGCTCCTGGCCACCAACACTTTTTAAAAAT
GAGGTCGGGGGTAATAAAAACCGGAACTCAAATTC AATGTAAGTGACGATGACGTTACGAGGACCGGTGGTTGTGAAAAATTTTTA

29,835

TIA1

TIA1-205

TIA1-205

CTAGAATATTGCACAAGTTTCATAAAGTATCTTTATCCCCTTACTACCCATTATCCTAAGCCATTCTCCTCTTAGCGCTAAGAAT
GATCTTATAACGTGTTCAAAGTATTTTCATAGAAATAGGGGAATGATGGGTAATAGGATTCGGTAAGAGGAGAATCGCGATTCTTA

29,920

TIA1

TIA1-205

TIA1-205

GGCCTTCTTGCCGGGTGCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAAGCCAAGGCAGGCGGATCACGAGGTCAGGAGAT
CCGGAAGAACGGCCACGCCACCGAGTGCGGACATTAGGGTCGTGAAACCCTTCGGTTCCGTCGCTAGTGCTCCAGTCTCTCTA

30,005

TIA1

TIA1-205

TIA1-205

GGAGACCATCCTGTCTAACACGGTGAAACCCTGTCTCTACTAAAAAAGAAACCCTGTCTCTACTAAAAAATACAAAAAAAATTA
CCTCTGGTAGGACAGATTGTGCCACTTTGGGACAGAGATGATTTTTCTTTGGGACAGAGATGATTTTTTATGTTTTTTTTTAAAT

30,090

TIA1

TIA1-205

TIA1-205

GCCGGGCTTGGTGGCTGGCACCTGTACAGGAGAATGGCAGGAACCCAGGAGGCGGAGCTTGCAAGTGAAGCAAGAACGCGCCACTG
CGGCCCGAACCACCGACCGTGGACATGTCCTTACCCTTGGGTCTCCGCCTCGAACGTCACCTCGGTTCTTGCGCGGTGAC

30,175

TIA1

TIA1-205

TIA1-205

CACTCCAGCCTGGGAGACAGAGCAAGACTCCATCTCGAAAAAAGAATGGCCTTCTTAAAACATAGGTCATGATGATTCCTTGCT
GTGAGGTCGGACCCTCTGTCTCGTTCTGAGGTAGAGCTTTTTTCTTACCAGGAAGAATTTTGTATCCAGTACTACTAAGGAACGA

30,260

TIA1

TIA1-205

TIA1-205

TAAAATCTTTCAGTTTCATTCTCTGACATTCTTTTTTGGCTCGCTGGATTCCACTGAAACTAGTCTTTCACATGCTGCTTTCAGAT
ATTTTAGAAAAGTCAAAGTAAGAGACTGTAAGAAAAACGAGCGACCTAAGGTGACTTTGATCAGAAAAGTGTACGACGAAAAGTCTA

30,345

TIA1

TIA1-205

TIA1-205

GCATACCAAACCTTTTGTGCCTTAACACACTTTGCAATACTTTTCTCTCTACTGGGGCTTTCTTCTCATTGTTTTGACTTGGCTA
CGTATGGTTTGAAAAACACGGAATTGTGTGAAACGTTATGAAAAGAGAGATGACCCCGAAAGAAGGAGTAACAAAACCTGAACCGAT

30,430

TIA1

TIA1-205

TIA1-205

TCTCCTATTGCTGTCAGGCTTAGTTTTAAATGTCATTTTCAGAGAGACCTTTCTTATTCATCCTGTCTGTAGTAGATCCTTGTGCC
AGAGGATAACGACAGTCCGAATCAAATTTACAGTAAAGTCTCTCTGGAAAGAATAAGTAGGACAGACATCATCTAGGAACACGGG

30,515

TIA1

TIA1-205

TIA1-205

ATATTCTCTATCTCAGCCTTTTGTCTGTCATAGGTCTTACCACAATATGTAATTGCTTTATTTGTTCCCCACAAAAGAATGTA
TATAAGAGATAGAGTCGGAAAACAAAGACAGTATCCAGAATGGTGTATACATTAACGAAATAAACAAGGGGTGTTTTCTTACAT

30,600

TIA1

TIA1-205

TIA1-205

AGAGACCATGTATGCTTGTTTACCAGTGTGTCCCTAGCTCTTAACCGCATGCCTGGAACATAACTGTTCAATATTTATTTGTTGG
TCTCTGGTACATACGAACAAATGGTCACACAGGGATCGAGAATTGGCGTACGGACCTTGTATTGACAAGTTATAAATAAACAACC

30,685

TIA1

TIA1-205

TIA1-205

ATGAATGAGAAACCAAATATTGTTAACAAGCTTGTAGATTGTTTAAAGATTTTCTTCTATAGTAGTCTGAGTTGCATGAACTTTA
TACTTACTCTTTGGTTTATAACAATTGTTTCGAACAATCTAACAAATTTCTAAAAGAAGATATCATCAGACTCAACGTAAGTTGAAAT

30,770

TIA1

TIA1-205

TIA1-205

TGATATCTACCTCATTAGGGCTGTGCGGGCTCACGACCTTTTCAGATGATTAATGTTCCCAAAATTTAATATTCAAATAAGAGAAA
ACTATAGATGGAGTAATCCCGACAGCCGAGTGCTGGAAAAGTCTACTAATTACAAGGGTTTTAAATTATAAGTTTATTCTCTTT

30,855

TIA1

TIA1-205

TIA1-205

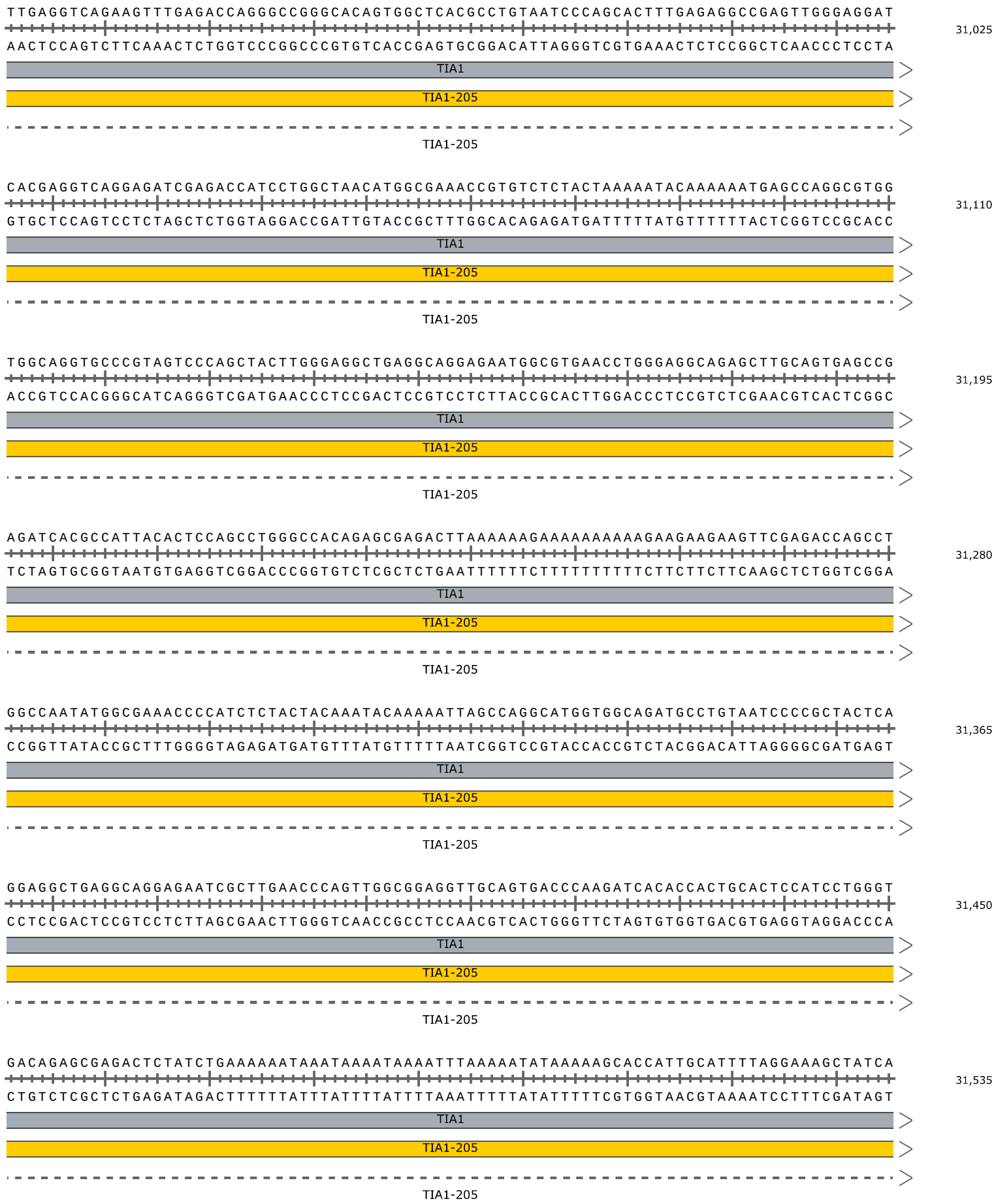
AACAATACAAAAGCACCATTGGGTTGAGCATGGTGGCTCATGCCTGTAATCCTAGCACTTTGGGAAGCTGAGGTGGACAGATCAC
TTGTTATGTTTTCGTGGTAACCCAACCTCGTACCACCGAGTACGGACATTAGGATCGTGAAACCCCTTCGACTCCACCTGTCTAGTG

30,940

TIA1

TIA1-205

TIA1-205



TATGTTGTGATTTTCATAGAGCATTTCCTTAAACATTTGTGAAAAGCACCAAGTTTTCTCTACTGCTAAGAGTTGTTTAAACAT
 ATACAACACATAAAGTATCTCGTAAAAGTGAATTTGTAAACACTTTTCGTGGTTCAAAGAGATGACGATTCTCAACAAATTGTA

31,620

TIA1 >
 TIA1-205 >
 TIA1-205 >

CAACTAATAGTGACTTCTTTATTGTTTCTAATGTTGTACGGAACAGGATGCTGAAAACGCCATTCAACAGATGGGTGGCCAGTGG
 GTTGATTATCACTGAAGAAATAACAAAGATTACAACATGCCTTGTCTACGACTTTTGCGGTAAGTTGTCTACCCACCGGTCACC

31,705

TIA1 >
 TIA1-205 >

D A E N A I Q Q M G G Q W
 ENSE00003566761 >
 TIA1-205 >

CTTGGTGAAGACAAATCAGAACTAACTGGGCAACCCGAAAAGCCTCCCGCTCCAAAGAGTACATATGAGTGTAGGTGTATTGGAG
 GAACCACCTTCTGTTTAGTCTTGATTGACCCGTTGGGCTTTTCGGAGGGCGAGGTTTCTCATGTATACTCACATCCACATAACCTC

31,790

TIA1 >
 TIA1-205 >

L G G R Q I R T N W A T R K P P A P K S T Y E
 ENSE00003566761 >
 TIA1-205 >

AAGAAAAGGAAATGTGGAATTTTGGAGAAAAATACGCTAGATTTTAAATGTTAGAGCTGTTCCCGGAGACTTATTGCAGAAATAG
 TTCTTTTCTTTACACCTTAAAACCTCTTTTTATGCGATCTAAAATTTACAATCTCGACAAGGGCCTCTGAATAACGTCTTTATC

31,875

TIA1 >
 TIA1-205 >
 TIA1-205 >

ATGAGAAGCAAATCAAGACTACTATTCAAAAATGTACTTAGTTTTTCATTTTTGTAATTATAAATAATATTATTTCTAATGTCAAG
 TACTCTTCGTTTAGTCTGATGATAAGTTTTTACATGAATCAAAGTAAAAACATTAATATTTATTATAATAAAGATTACAGTTC

31,960

TIA1 >
 TIA1-205 >
 TIA1-205 >

TCTCCTATTAAATAGAAAATACTGGGTAATTTTTTAGACATTCGTGGGGGAGGTTTAATTCTGAACTGAAGTATAATATGTGTAA
 AGAGGATAATTTATCTTTTATGACCCATTAAAAAATCTGTAAGCACCCCTCCAAATTAAGACTTGACTTCATATTATACACATT

32,045

TIA1 >
 TIA1-205 >
 TIA1-205 >

TATAAGCATTTTGTCAAGGTTAATGTTACCTTTACAGTAGTGTAGTGAATGCTACTTTTCTCTTTCTGCACATTTTATTTAATG
 ATATTCGTAAAAC TAGTTCCAATTACAATGGAAATGTCATCACATCACTTACGATGAAAAGAGAAAGACGTGTAAAATAAATTAC

32,130

TIA1 >
 TIA1-205 >
 TIA1-205 >

AATTAAGACATAAACCTTTTCTCTCACCAGCAAATACCAAACAGCTATCATATGATGAGGTTGTAATCAGTCTAGTCCAAGCA
TTAATTTCTGTATTTGGAAAAGAGAGTGGTCGTTTATGGTTTGTTCGATAGTATACTACTCCAACATTTAGTCAGATCAGGTTTCGT

32,215

TIA1

TIA1-205

195 S N T K Q L S Y D E V V N Q S S P S 200 205 210

ENSE00003649765

TIA1-205

ACTGTA CTGTATACTGTGGAGGTGTTACTTCTGGGCTAACAGGTATGGGAGCCTTCCCTGTGTGGCATTAAATTTTTAAAGTGCAA
TGACATGACATATGACACCTCCACAATGAAGACCCGATTGTCCATACCCTCGGAAGGGACACACCGTAATTAATAAATTTACAGTT

32,300

TIA1

TIA1-205

215 N C T V Y C G G V T S G L T 220 225

ENSE00003649765

TIA1-205

AGCTTAATATTTGTAGGATTTTTATATAACTTAGTGTGATTTGTTTGGTTTTTTGTCTAACAGAACAACACTAATGCGTCAG
TCGAATTATAAACATCCTAAAAATATATTGAATCACACTAAACAAACAAAACCAAAAAACAGATTGTCTTGTTGATTACGCAGTC

32,385

TIA1

TIA1-205

230 E Q L M R Q

ENSE00003493550

TIA1-205

ACTTTTTACCATTTGGACAAATAATGGAAATTCGAGTCTTTCAGATAAAGGATATTCATTTGTTTCGGTAGGGATGGTTTTTTA
TGAAAAAGTGGTAAACCTGTTTATTACCTTTAAGCTCAGAAAGGTCTATTTCTATAAGTAAACAAGCCATCCCTACCAAAAAAT

32,470

TIA1

TIA1-205

235 T F S P F G Q I M E I R V F P D K G Y S F V R 240 245 250 255

ENSE00003493550

TIA1-205

AAAAACATTTTTCTTGGTAATGTAAGTGGAAAACCAGAAAATAAATAAAAAATAAAAACTTTTTCTCCAAAATATTTTTTGAA
TTTTTTGTAAAAAGAACCATTACATTGACCTTTTGGTCTTTTATTTATTTTTTATTTTTTAAAAAGGAGGTTTTATAAAAACTT

32,555

TIA1

TIA1-205

CATTTACCTCGTTTTCTTAAAAATTTACCTTGGTTATAAAAAAGTTGAAATTTTGGCCGGGTGCGGTGGCTCACGCCTGTATTCC
GTAAATGGAGCAAAAAGAATTTTTAAATGGAACCAATATTTTTTCAACTTTAAAACCGGCCACGCCACCGAGTGCGGACATAAGG

32,640

TIA1

TIA1-205

TIA1-205

CAGCACTTTGGGAGGCCGAGACGGGTGGATCACCGTCATGAGTTTGAGACCAGCCTGGCCAACATTGTGAAACCCCGTCTCTACT
GTCGTGAAACCCCTCCGGCTCTGCCACCTAGTGGCAGTACTCAAACCTCTGGTCGGACCGTTGTAACACTTTGGGGCAGAGATGA

32,725

TIA1

TIA1-205

TIA1-205

AAAAATACAAAAATATAAAAATTAGCCGGCATGGCGGTGCATGCCTGTAATCACAGCTACTCGGGAGGCTGAGGCAGGAGAATCA
TTTTTATGTTTTATATTTTAATCGGCCGTACCGCCACGTACGGACATTAGTGTGATGAGCCCTCCGACTCCGTCCTCTTAGT

32,810

TIA1

TIA1-205

TIA1-205

CTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCAAGATCACAACTACTGCACTCCAGCATGGGCAACAGAGCCAGACACCATCTC
GAACCTTGGGTCTCCACCTCCAACGTCACTCGGTTCTAGTGTAGTGACGTGAGGTCGTACCCGTTGTCTCGGTCTGTGGTAGAG

32,895

TIA1

TIA1-205

TIA1-205

AAAAAAAAAAAAATTGAAATTTCTCTAGCATCCAGCGTATTTGCCTCTGTGATTTTATAGCTCCCTCCCTAACACAAGGCCAGTGA
TTTTTTTTTTTTAACTTTAAAGAGATCGTAGGTCGCATAAACGGAGACACTAAAATATCGAGGGAGGGATTGTGTTCCGGTCACT

32,980

TIA1

TIA1-205

TIA1-205

AACACACATTCTTTGTTAACACAAGTTGCCCCAGAAGTACAAGATCTTTGAAAAAATAGCAAAGAAAATATGCCATGTTACGCA
TTGTGTGTAAGAAACAATTGTGTTCAACGGGGTCTTGATGTTCTAGAAACTTTTTTTATCGTTTTCTTTTATACGGTACAATGCGT

33,065

TIA1

TIA1-205

TIA1-205

AACTGTTTTACCTCAGACTCACCTTGATTTTTAAAAATAGGTTTTATTCATAAATATTTAAAAGAATTTGTATTGGTGATTCTTA
TTGACAAAATGGAGTCTGAGTGGAACATAAAAATTTTTATCCAAAATAAGTATTTATAAATTTTCTTAAACATAACCACTAAGAAT

33,150

TIA1

TIA1-205

TIA1-205

ATATTGTTTTCAATAGGTTCAATTCATGAAAGTGCAGCACATGCAATTGTTTCTGTTAATGGTACTACCATTGAAGGTCATGT
TATAACAAAAGTTATCCAAGTTAAGGGTACTTTACGTCGTGTACGTTAACAAAGACAATTACCATGATGGTAACTTCCAGTACA

33,235

TIA1

TIA1-205

F N S H E S A A H A I V S V N G T T I E G H V
ENSE00003604011

TIA1-205

TGTGAAATGCTATTGGGGCAAAGAACTCTTGATATGATAAATCCCGTGCAACAGGTGAGAGGGTTCTTAACTTTGAGAAGTAAT
ACACTTTACGATAACCCCGTTTCTTTGAGAACTATACTATTTAGGGCACGTTGTCCACTCTCCCAAGAATTGAAACTCTTCATTA

33,320

TIA1

TIA1-205

280 285 290 295
V K C Y W G K E T L D M I N P V Q Q

ENSE00003604011

TIA1-205

TGTTGGGCTAATAATGTTATTTTAAAGGTGAAGATTGTTGATAATCCTTGTTAATAAGTTTCTAGCTAAAATGATAGTATATAAGG
ACAACCCGATTATTACAATAAAATTCCTTCTAACAACCTATTAGGAACAATTATTCAAAGATCGATTTTACTATCATATATTCC

33,405

TIA1

TIA1-205

TIA1-205

GCTCTTCTACATGTATTATAGTTCCAGAATGGTGTTCATGGATTGCAGTGGTGACATGATGAATGTGACCGCCTCAATTGACT
CGAGAAGGATGTACATAATATCAAGGTCTTACCACAAAGTACCTAACGTCAACCACTGTACTACTTACACTGGCGGAGTTAACTGA

33,490

TIA1

TIA1-205

TIA1-205

CATGCTCACACAGTGGATTTTAAATGCTCCGAGAAACCTAAAAGGGTATTACATCTTTTTTAACTTGGTAGATTTATTCAC
GTACGAGTGTGTACCTAAAATTTTACGAGGCTCTTTGGATTTTCCATAATGTAGAAAAAATTATGAACCATCTAAAATAAGTG

33,575

TIA1

TIA1-205

TIA1-205

ATACCATTTGGAGAACTCACAAAGCATGCTTGACTCAACTGAAACAAAAATAAAGCTGTAAATATAGTTATGGCCTTGGCATTTTT
TATGGTAAACCTCTTGAGTGTTTCGTACGAACTGAGTTGACTTTGTTTTATTTCGACATTTATATCAATACCGGAACCGTAAAAA

33,660

TIA1

TIA1-205

TIA1-205

CTTCCAGATTTTGCTGCCTTTTTTTTCCAGGCAGCTTTAGTGGTTCAAACCTTGATTCCACAAAGATTTCTATGAGGAAACTGTAA
GAAGGTCTAAAACGACGGAAAAAAAAGGTCCGTCGAAATCACCAAGTTTGAACCTAAGGTGTTTCTAAAGATACTCCTTTGACATT

33,745

TIA1

TIA1-205

TIA1-205

ATGGAGCACAGAGATGGGAGTAAGCAAATCCTAAACTATATAAGTGTCTTAAGTAAGCTGAATATAGAAATAATTAATCACATCT
TACCTCGTGTCTTACCCTCATTCGTTTAGGATTTGATATATTCACAGAATTCATTGCACTTATATCTTTATTAATTAGTGTAGA

33,830

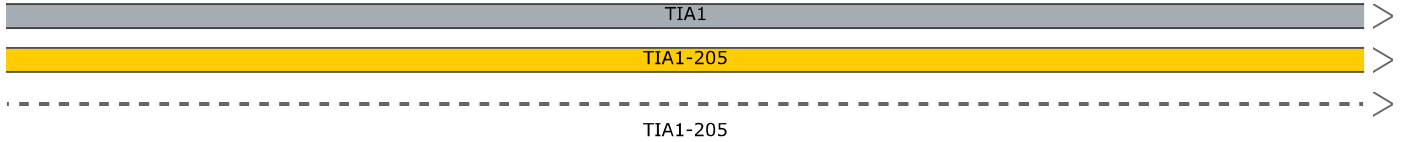
TIA1

TIA1-205

TIA1-205

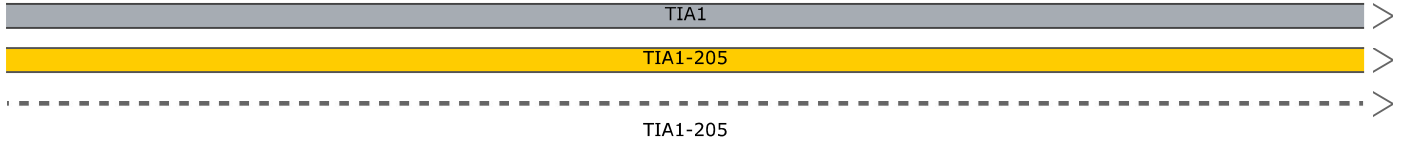
TCCCTATCTAAAGGAAACAATCATGTAGATAGTATACCAAACACTTAAACATTCTACTAAGTTTAAACATTTATTACTAGGGTATC
AGGGATAGATTTCTTTTGTAGTACATCTATCATATGGTTTGTGAATTTGTAAGATGATTCAAATTGTAATAATGATCCCATAG

33,915



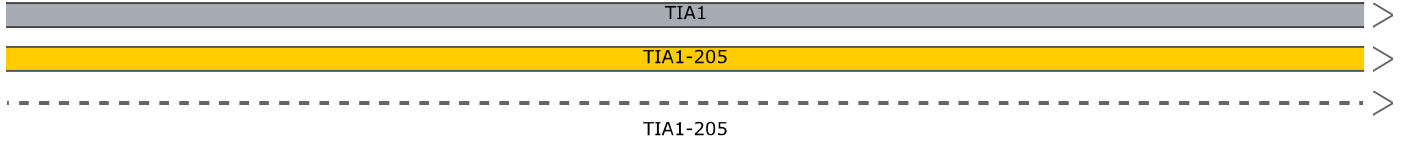
AACTGATGCCTTCCAAAACTATGCCATTCAGAGTATCACGTAGAGTTACAGCAGTATAACCTCACTTGTTTTGTTGTTGTTTT
TTGACTACGGAAGGTTTTTGATACGGTAAGTCTCATAGTGCATCTCAATGTCGTCATATTGGAGTGAACAAAAACAACAACAAAA

34,000



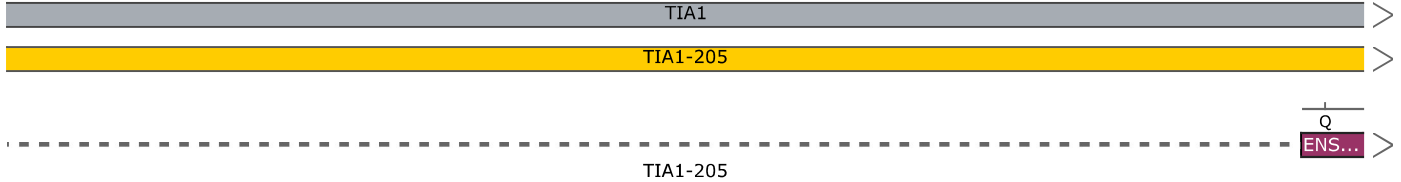
TGTTTTTTTTTTTTTTTTTTTTTTTTTTAGCAGTCAACTCTTGTTTATCCTGTCAATTTAATTGTAATGATGGCCCTGTGTGTTT
ACAAAAAATCGTCAGTTGAGAACAATAGGACAGTAAATTAACATTACTACCGGGACACACAAA

34,085



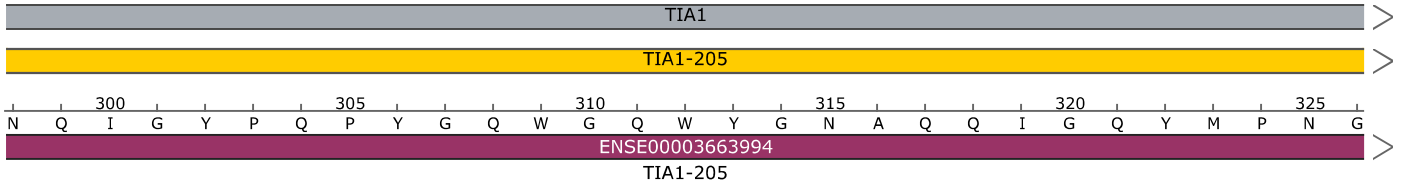
TGGCTAAGAATTTGTGGTATCAGCATATTAGGATTGTATATATATAGTTAACTTCAAGTAATACTAAATTTATTTAATAGCAGA
ACCGATTCTTAAACACCATAGTCGTATAATCCTAACATATATATCAATTGAAGTTCATTATGATTTAAAATAAATTATCGTCT

34,170



ATCAAATTGGATATCCCAACCTTATGGCCAGTGGGGCCAGTGGTATGGAAATGCACAACAATTGGCCAGTATATGCCTAATGG
TAGTTTAACTATAGGGGTTGGAATACCGGTCACCCCGGTCACCATACTTTACGTGTTGTTTAAACCGGTCATATACGGATTACC

34,255



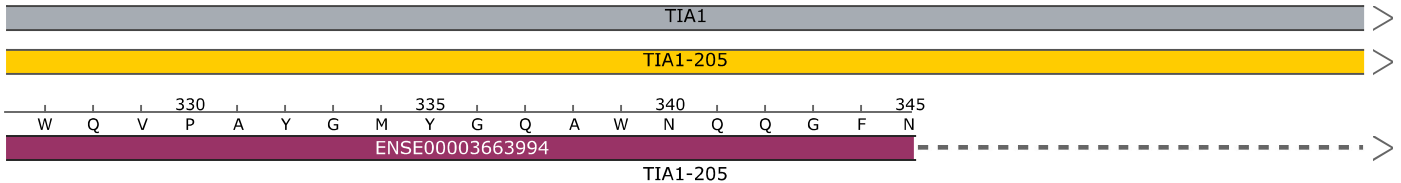
N Q I G Y P Q P Y G Q W G Q W Y G N A Q Q I G Q Y M P N G

ENSE00003663994

TIA1-205

TTGGCAAGTTCCTGCATATGGAATGTATGGCCAGGCATGGAACCAGCAAGGATTTAAGTAAGCATATCTTATGTCTTCTTTACT
AACC GTTCAAGGACGTATACCTTACATACCGGTCGGTACCTTGGTCGTTCTTAAATTCATTCGTATAGAATACAGAAGGAAATGA

34,340



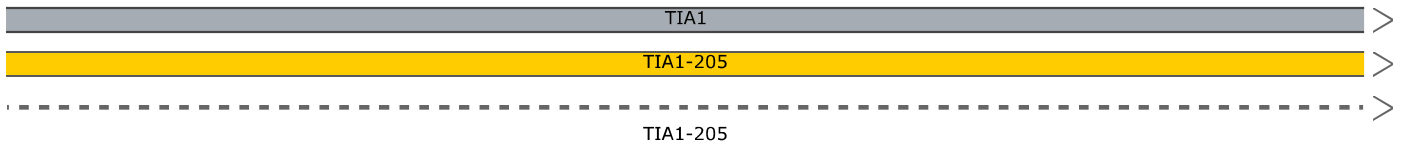
W Q V P A Y G M Y G Q A W N Q Q G F N

ENSE00003663994

TIA1-205

AACCTTTGAAAATGTCTAAAGAAATTTAAGTAGGAAGAAATTTAAGAATTAGTGGGTAATAGGGCCTCTTATGTAAAGCGTAA
TTGGAACTTTTACAGATTTCTTTAAAATTCATCTTCTTTAAAATTCCTAATCACCCATTATCCCGGAGAATACATTTTCGCATT

34,425



CTATAGCCTTGAAAGAACTTAAAATTGTTTTTTAGTAAGAAAATAAGAGCTTAATAGTTGTTAAGCTTTTCACATGACTAATGGT
GATATCGGAACTTTCTTGAATTTTAAACAAAAAATCATTCTTTTATTCTCGAATTATCAACAATTCGAAAAGTGTACTGATTACCA

34,510

TIA1

TIA1-205

TIA1-205

CACCTTAGCCATTCTTATATACACTGAGTTTGGATGCTAGTTGTTGTATTTCATTATGCTTTTTTCTGTACAAAGGGTTTTTTCAATA
GTGAATCGGTAAGAATATATGTGACTCAAACACTACGATCAACAACATAAGTAATACGAAAAAAGACATGTTTCCCAAAAAAGTTAT

34,595

TIA1

TIA1-205

TIA1-205

TGCCTTGTTACATTGCAAGCTTCCTTATACACCCTGAATTACACTATTTTACTTACATTTCTGAAAAACACACTGGAAATAAAAA
ACGGAACAATGTAACGTTTGAAGGAATATGTGGGACTTAATGTGATAAAATGAATGTAAAGACTTTTTGTGTGACCTTTATTTTT

34,680

TIA1

TIA1-205

TIA1-205

TACTTGAGAGGTTAAAAAGGAATTTAGTGGGCTGGGCGTGGTAGTTTCTGCCTGTAATCCCAGCATTTTGGGAGGCTGAAGTGGG
ATGAACTCTCCAATTTTTCTTAAATCACCCGACCCGCACCATCAAGGACGGACATTAGGGTCGTAAAACCTCCGACTTCACCC

34,765

TIA1

TIA1-205

TIA1-205

TGGATCACTTGAGGCCAGGAGTTTGCACACCAGCCTGGCCAACATGGCGAAACCCACCTCTGCTAAAAATACAAAAATTAGCCAG
ACCTAGTGAACTCCGGTCTTCAAACGCTGGTTCGGACCGGTTGTACCGCTTTGGGGTGGAGACGATTTTTATGTTTTTAATCGGTC

34,850

TIA1

TIA1-205

TIA1-205

GTGTAGTGGTGCACACCAGTAGTTCCAGCTATTTGGGAGGCCGAGGCAGGAGAATCACTTGAACCTGGGAGGCCGAGGTTGCAGT
CACATCACCACGTGTGGTTCATCAAGGTCGATAAACCTCCGGCTCCGTCCTTCTAGTGAACCTGGACCCTCCGCTCCAACGTCA

34,935

TIA1

TIA1-205

TIA1-205

GAGCTGAGACTACACCACTGCACTCCAGCCTGGGCAGCAGAGCAAGACTCTGTCTCAAAAAAAAAAAGGATTTTGTGGTTGGGC
CTCGACTCTGATGTGGTGACGTGAGGTCGGACCCGTCGTCTCGTTCTGAGACAGAGTTTTTTTTTTTTTCTAAAACACCAACCCG

35,020

TIA1

TIA1-205

TIA1-205

ATGGTGGCTCATGCCTATAATCCTAGCACTTTGGAAGGCCAAGGCAGGCGGATCACTTGAGTCCAGGAGTTTAAGATCAGCCTGG
TACCACCGAGTACGGATATTAGGATCGTGAAACCTTCCGGTTCCGTCCGCCTAGTGAACCTCAGGTCCTCAAATTCAGTCGGACC

35,105

TIA1

TIA1-205

TIA1-205

GCAACATGGCGAAATCTCATCTCTACAAAAGGTACAAAAAAATTAGCCAGGCATGGTGGTTGCGTGCCTATAATCCCAGATGTT
CGTTGTACCGCTTTAGAGTAGAGATGTTTTCCATGTTTTTTTTAATCGGTCCGTACCACCAACGCACGGATATTAGGGTCTACAA

35,190

TIA1

TIA1-205

TIA1-205

CGGGAGACTGAGGTAGGAGAATCGCTTGAGCCTGGGGAGACGTAGGTTGCAGTGAGCTGAGATCATACCACTGTACTCCAGCCTG
GCCCTCTGACTCCATCCTCTTAGCGAACTCGGACCCCTCTGCATCCAACGTCACCTCGACTCTAGTATGGTGACATGAGGTCGGAC

35,275

TIA1

TIA1-205

TIA1-205

GGTGACACAATGAAAACCTGTCTTAAAAAAAAAAAAAAAAAGAAAAGAAAAGAAAATCTTGTAATGTTATGAATTTTTATGAGCTT
CCACTGTGTTACTTTTTGGACAGAATTTTTTTTTTTTTCTTTCTTTCTTTTAGAACATTACAATACTTAAAAATACTCGAA

35,360

TIA1

TIA1-205

TIA1-205

PCR Forward

TCTTTCAG

TCATATGCTAATAATTGTTTTGATTTCTTCTTTGAGTAGTATAATGTTCCTTTTTCGTTGTAGGGAACCTACCTGACTCTTTCAG
AGTATACGATTATTAACAAAACCTAAAGAAGAAAACCTCATCATATTACAAGGAAAAAGCAACATCCCTTGGATGGACTGAGAAAAGTC

35,445

TIA1

TIA1-205

TIA1-205

PCR Forward

GTAGTGGTTTCCTCAGC

GTAGTGGTTTCCTCAGCAAATATGTTCAACCAAGGCATAGAGATGAGATGGATAGCTTTCTTTTCCAAGAATGGGGTTAGGTTTT
CATCACCAAAGGAGTCGTTTATACAAGTTGGTTCCGTATCTCTACTCTACCTATCGAAAAGAAAAGGTTCTTACCCCAATCCAAAA

35,530

TIA1

TIA1-205

TIA1-205

TCTATATTCAAAGGAGATGAATGTTGATAAGTTCAGGGTATTTTCTTAGCTTTAATTTCTAACAAAATTAACCTGTCCAAATTA
 AGATATAAGTTTCTCTACTTACAACCTATTCAAGTCCCATAAAAAGAATCGAAATTAAGATTGTTTTAATTTGACAGGTTTAATT

35,615

TIA1

TIA1-205

TIA1-205

ACATACAGGGATGCTTGTTTTTAAGAGAAAAAACTTTAGTAAAAGATTTTCATTTTCCCTAGCATAAATTATTCTATTTGGGATT
 TGTATGTCCCTACGAACAAAATTTCTCTTTTTTTGAAATCATTTTCTAAAGTAAAAGGGATCGTATTTAATAAGATAAACCCCTAA

35,700

TIA1

TIA1-205

TIA1-205

Sanger Sequence

AATCAGTGGATTTCTCT

AAGAAAAAGTATGTTTCCCATTTCCCATATTTGTTCTTGTTGTTTGTCTTGCCAATACTTTATTTTAATCAGTGGATTTCTCT
 TTCTTTTTCATACAAAGGGTAAAGGGTATAAACAAGAACAACAACAAGAACGGTTATGAAATAAAATTAGTCACCTAAAGGAGA

35,785

TIA1

TIA1-205

TIA1-205

Sanger Sequence

CC

gRNA Protospacer

TATGGAGTGCAACCGCT

CCCCTCTGCTTCTTTACATTCTCCACCAGTCAGACACAGTCTTCTGCACCATGGATGGGACCAAATTTATGGAGTGCAACCGCCT
 GGGGAGACGAAGAAAGTGTAAAGAGGTGGTCAGTCTGTGTCAGAAGACGTGGTACCTACCCTGGTTTAATACCTCACGTTGCGGA

35,870

TIA1

TIA1-205

TIA1-205

Q T Q S S A P W M G P N Y G V Q P P

ENSE00001698276

Donor Template WT -> SNV

Protospacer Sequence

SNV

GGTACCTACCCTGGTTTAATACCTCACGTTGCGGA

Donor Template WT -> SNV

gRNA Protospacer



CAAGGGC AAAATGGCAGCATGTTGCCCAATCAGCCTTCTGGGTATCGAGTGGCAGGGTATGAAACCCAGTGAATAAGGACTCCAG
GTTCCCGTTTTACCGTCGTACAACGGGTTAGTCGGAAGACCCATAGCTCACCGTCCCATACTTTGGGTCACTTATTCCTGAGGGTC

35,955

TIA1

TIA1-205

365 370 375 380 385
Q G Q N G S M L P N Q P S G Y R V A G Y E T Q *

ENSE00001698276

TIA1-205

Donor Template WT -> SNV



PAM
Protospacer Sequence

GTTCCCGTTTTACCGTCGTACAACGGGTTAGTCGGAAGACCCATAGCTCACCGTCCCATACTTT

Donor Template WT -> SNV

AATCTAAAGCCAGTGGCTTGAGGGCTACAGGGAGTGTAGTAAAGCCGTTGTTTACTTAAAGATTTATCAAATCAGTCAGTGCAAAT
TTAGATTTTCGGTCACCGAACTCCGATGTCCCTCACATCATTTTCGGCAACAAATGAATTTCTAAATAGTTTAGTCAGTCACGTTTA

36,040

TIA1

TIA1-205

GTCAGATACAATGTATTTATTTAAAAGATTCATTTTTAATCATGAAATTACTTATCATCCACATTGTTTTAAAAGAAACAAGAT
CAGTCTATGTTACATAAATAAATTTTCTAAGTAAAAATTAGTACTTTAATGAATAGTAGGTGTAACAAAATTTTTCTTTGTTCTA

36,125

TIA1

TIA1-205

GCTGGATGTCTGCCAATTTTTGCCTTCATTACCTTTTTTGATAAAGTTTCTCAGATCCTTGTTTCAAACACAAATGCAGGGATTG
CGACCTACAGACGGTTAAAAACGGGAAGTAATGGAAAAAACTATTTCAAAGAGTCTAGGAACAAAGTTTGTGTTTACGTCCCTAAC

36,210

TIA1

TIA1-205

CTGCCACTTTTTAACTATTAAGAGGCAGAAAATTGCACAATATTGAACTTTTTTCCACTGAAGTAGTGTGCAGTTCTAGTTTGCA
GACGGTGAAAAATTGATAATTCTCCGTCTTTAACGTGTTATAACTTGAAAAAAGGTGACTTCATCACACGTCAAGATCAAACGT

36,295

TIA1

TIA1-205

TTCTGATATGATTTAAAACATGTAATATAAAGATGTTAAAAAACC AAAACTGTGCAGAGTCTAGAAGTTGTTTGTTCATC
AAGGACTATACTAAATTTGTACATTATTTCTACAATTTTTTTTTTGGTTTTGACACGTCTCAGATCTTCAACAAACAGTAG

36,380

TIA1

TIA1-205

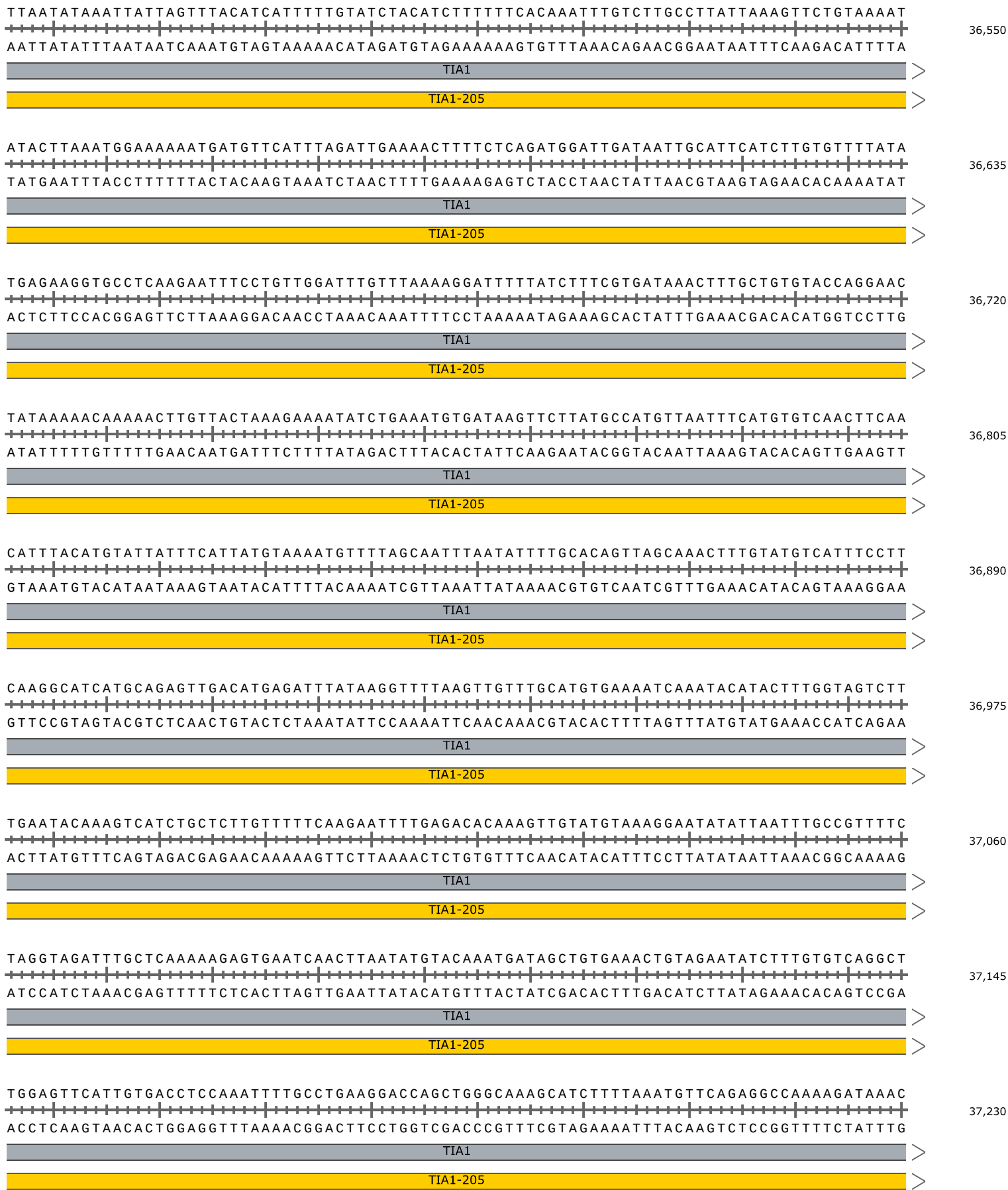
TTCAGCTTGTGCACAATTTCTGTTTTAGGTTAAAAAAGGCATTGTTTGGAGCTGTCCCATCTCCACTGTTATCCCTTTGGGGTTTT
AAGTCGAACACGTGTTAAGACAAAATCCAATTTTTTCCGTAACAAACTCGACAGGGTAGAGGTGACAATAGGGAAACCCCAAAA

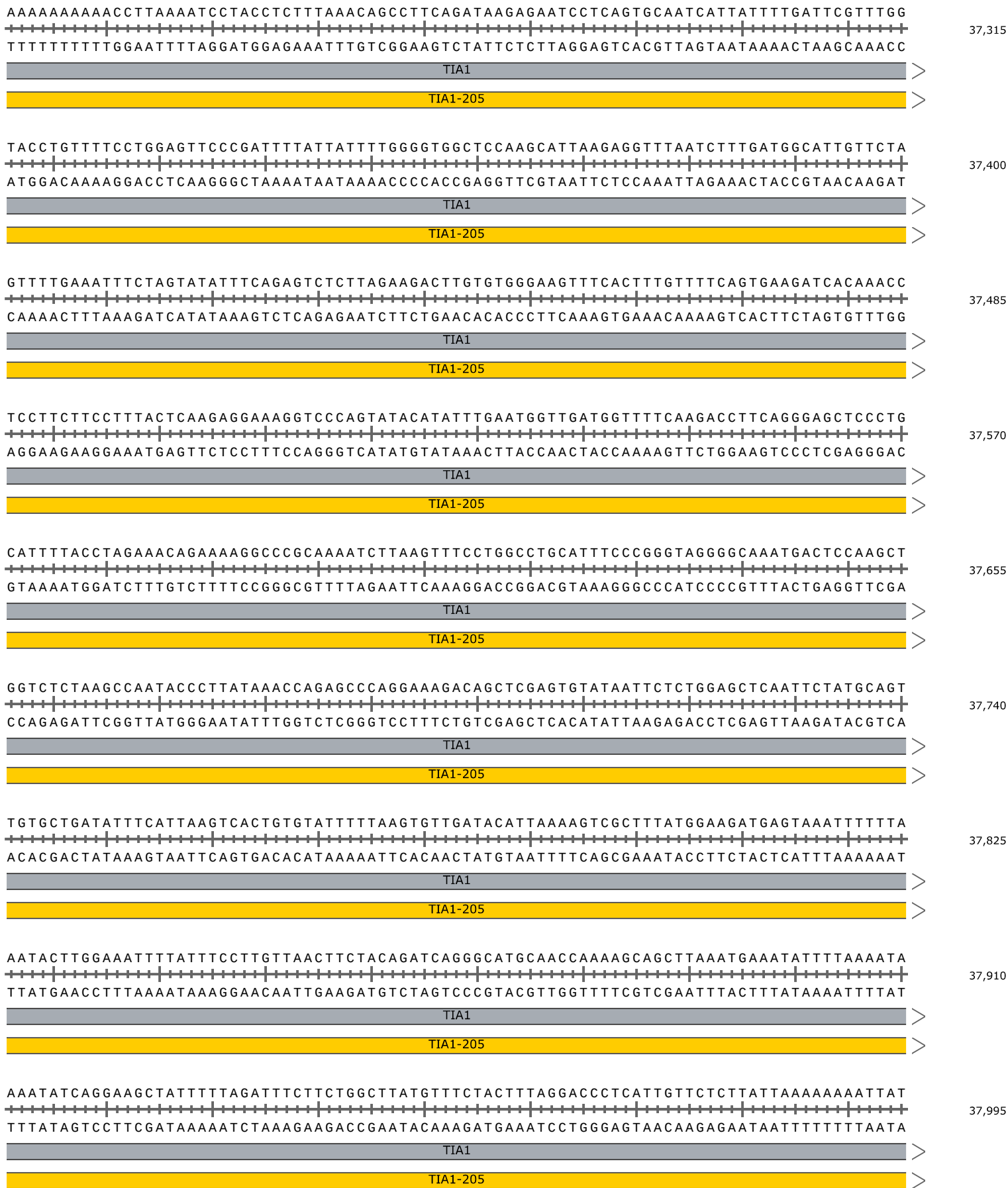
36,465

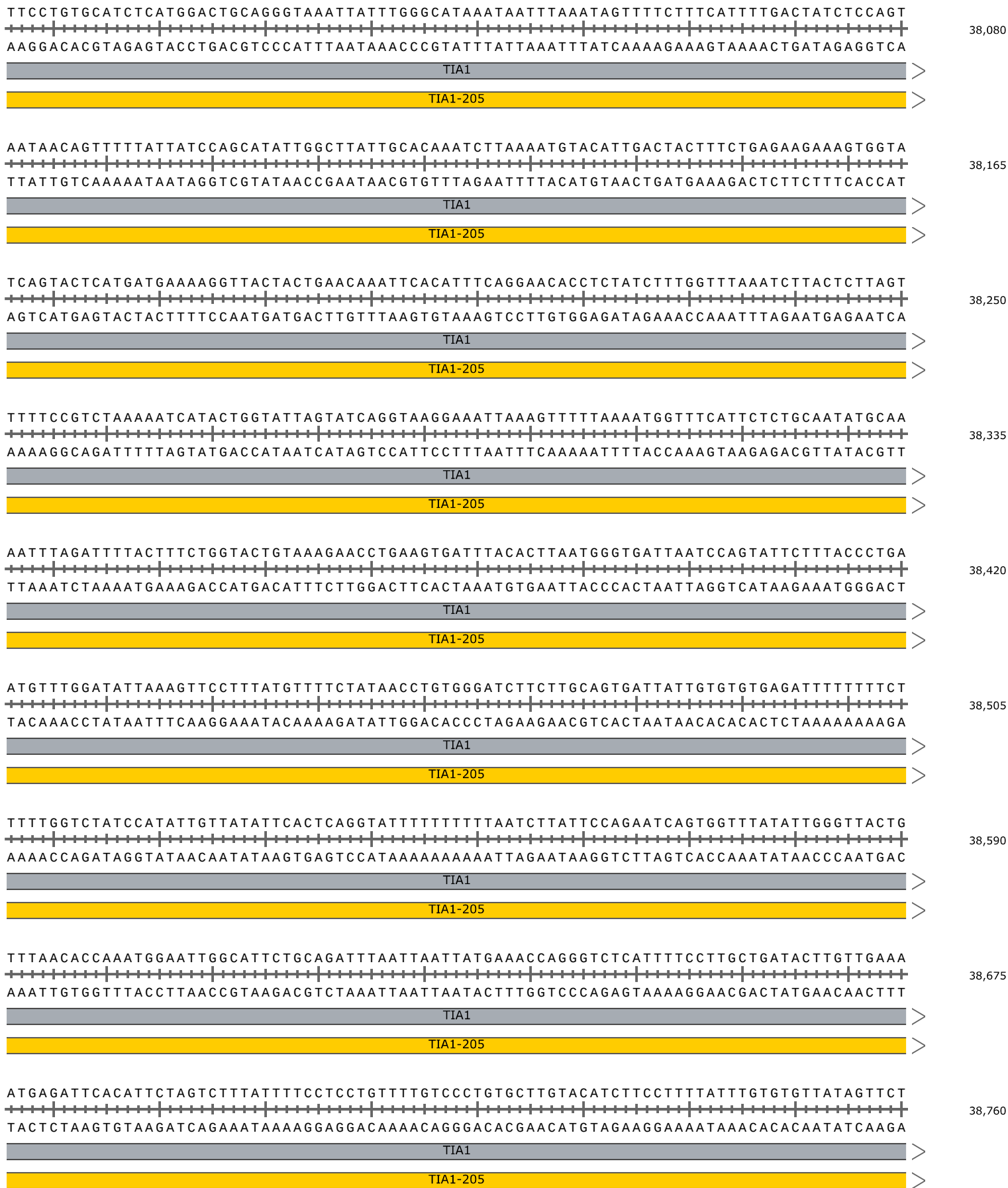
TIA1

TIA1-205

CCGTAACAAACTCGACAGGGTAGAG
PCR Reverse







ATTCCATTTGAGAAGGCAGTTGGTAAGAACTAGATTGCATGTACAAAGACAGGTTTACTAAGTGCTGTACAGTGGTCCTGAGGTT
 TAAGGTAAACTCTTCCGTCAACCATTCTTGATCTAACGTACATGTTTCTGTCCAAATGATTCACGACATGTCACCAGGACTCCAA

38,845

TIA1 >

TIA1-205 >

ACAGTTGAATTAGAAAAACGAAATGTACTTACAGGAAATAAGAAAGCAAACCTTTCAAATGAGAGTGATGATTTCTTTAAAAAA
 TGTCAACTTAATCTTTTTGCTTTACATGAATGTCCTTTATTCTTTTCGTTTGGAAAGTTTACTCTCACTACTAAAGAAATTTTTTT

38,930

TIA1 >

TIA1-205 >

ATCAGTTTTTTTCTCTCAAATAATGTTCTTTATTTTACGAAATCGTCAATCTTAAGCATGAGCAGGGATAAAACAACTCCTAGAAG
 TAGTCAAAAAAAGAGAGTTTATTACAAGAAATAAAGTGCTTTAGCAGTTAGAATTCGTACTCGTCCCTATTTGTTGAGGATCTTC

39,015

TIA1 >

TIA1-205 >

GAACTCAATTCATTCTTCTGGATTTTCTCTGTTGTTAAATCACAAAAATGATAGTCCCAATCGTTTTCTTTATAGGAGGTTATT
 CTTGAGTTAAGTAAGAAGGACCTAAAAGAGACAACAATTTAGTGTTTTTACTATCAGGGGTTAGCAAAGAAATATCCTCCAATAA

39,100

TIA1 >

TIA1-205 >

ACATTTCAATACAGTCACTGCATTTTGACTGTTGTGTTTAGAATTTGAATGTACATCCAAAATGATGAGTTTCAATTTAAGAGCC
 TGTAAGTAATGTCAGTGACGTAAAACGACAACACAAATCTTAAACTTACATGTAGGTTTTACTACTCAAAGTTAAATTCTCGG

39,185

TIA1 >

TIA1-205 >

TTAATAAAATGTGTGAGTGTGTCTCAATTGAA 3'
 AATTATTTTACACACTCACACAGAGTTAACTT 5'











39,217

TIA1 >

TIA1-205 >

Feature	Location	Size			Type
✓ TIA1	1 .. 39,217	39,217 bp		→	gene
/note	= gene ENSG00000116001				Protein coding
TIA1-203	1 .. 39,217	39,217 bp		→	prim_transcript
/note	= primary transcript ENST00000415783				
TIA1-210	3 .. 31,813	31,811 bp		→	prim_transcript
/note	= primary transcript ENST00000474809				Nonsense mediated decay
TIA1-219	21 .. 19,763	19,743 bp		→	prim_transcript
/note	= primary transcript ENST00000496452				Retained intron
✓ TIA1-205	33 .. 39,217	39,185 bp		→	prim_transcript
/note	= primary transcript ENST00000433529				
TIA1-213	39 .. 19,471	19,433 bp		→	prim_transcript
/note	= primary transcript ENST00000481650				Retained intron
C2orf42	46 .. 98,776	98,731 bp		→	gene
/note	= gene ENSG00000115998				Protein coding
C2orf42-212	46 .. 67,031	66,986 bp		→	prim_transcript
/note	= primary transcript ENST00000470096				protein_coding_CDS_not_defined
TIA1-211	50 .. 24,237	24,188 bp		→	prim_transcript
/note	= primary transcript ENST00000477044				protein_coding_CDS_not_defined
TIA1-206	51 .. 36,344	36,294 bp		→	prim_transcript
/note	= primary transcript ENST00000445587				
TIA1-201	81 .. 38,457	38,377 bp		→	prim_transcript
/note	= primary transcript ENST00000282574				
TIA1-204	207 .. 31,989	31,783 bp		→	prim_transcript
/note	= primary transcript ENST00000416149				
TIA1-201	231 .. 35,942	35,712 bp		→	CDS
▶ 13 segments = 1158 bp					
/note	= coding sequence ENSP00000282574				
/translation	= MEDEMPKTL,,YVGNLSRDVTEALILQLFSQIGPCKNCKMIMD,,TAGNDPYCFVEFHEHRHAAAAALAA MNGRKIMGK,,EVKVNWATTPSSQKKDT S,,SSTVVSTQRSQ,,DHFHV FVGDLSPEITTEDIKAAFA PFGRIS,,DARVVKDMATGKSKGYGFV SFFNKW,,DAENAIQ Q MGGQ WLGGRQ IRTNW ATRKPPAPKSTYE,,SNTKQLSYDEVVNQ SSPSNCTVYCGGVTSGLT,,EQLMRQTFSPFGQIMEIRVFPDKGYSFVR,,FNHESAAHAIVSVNGTT IEGHVVKCYW GKETLDMINPVQQ,,NQIGYPQPYGQWGQWYGNAQQIGQYMPNGWQVPAYGMYGQA WNQ QGFN,,QTQSSAPWMPNYGV QSPQGGNGSLPNQPSQDA VAGYETQ*				
TIA1-203	231 .. 35,942	35,712 bp		→	CDS
▶ 12 segments = 1128 bp					
/note	= coding sequence ENSP00000404023				
/translation	= MEDEMPKTL,,YVGNLSRDVTEALILQLFSQIGPCKNCKMIMD,,TAGNDPYCFVEFHEHRHAAAAALAA MNGRKIMGK,,EVKVNWATTPSSQKKDT S,,NHFHV FVGDLSPEITTEDIKAAFA PFGRIS,,DARVVKDMATGKSKGYGFV SFFNKW,,DAENAIQ Q MGGQ WLGGRQ IRTNWATR KPPAPKSTY E,,SNTKQLSYDEVVNQ SSPSNCTVYCGGVTSGLT,,EQLMRQTFSPFGQIMEIRVFPDKGYSFVR,,FNHESAAHAIVSVNGTTIEGHVVKCYW GKETLDMINPVQQ,,QNQIGYPQPYGQWGQWYGNAQQIGQYMPNGWQVPAYGMYGQA WNQ QGFN,,QTQSSAPWMPNYGVQPPQGGNGS MTPNPSGYSRDAVETQ kDa				
✓ TIA1-205	231 .. 35,942	35,712 bp		→	CDS
▶ 13 segments = 1161 bp					
/note	= coding sequence ENSP00000401371				
/translation	= MEDEMPKTL,,YVGNLSRDVTEALILQLFSQIGPCKNCKMIMD,,TAGNDPYCFVEFHEHRHAAAAALAA MNGRKIMGK,,EVKVNWATTPSSQKKDT S,,SSTVVSTQRSQ,,DHFHV FVGDLSPEITTEDIKAAFA PFGRIS,,DARVVKDMATGKSKGYGFV SFFNKW,,DAENAIQ Q MGGQ WLGGRQ IRTNW ATRKPPAPKSTYE,,SNTKQLSYDEVVNQ SSPSNCTVYCGGVTSGLT,,EQLMRQTFSPFGQIMEIRVFPDKGYSFVR,,FNHESAAHAIVSVNGTT IEGHVVKCYW GKETLDMINPVQQ,,NQIGYPQPYGQWGQWYGNAQQIGQYMPNGWQVPAYGMYGQA WNQ QGFN,,QTQSSAPWMPNYGV QSPQGGNGSLPNQPSQDA VAGYETQ*				

Feature	Location	Size			Type
TIA1-206	231 .. 35,942	35,712 bp		→	CDS
▶ 10 segments = 858 bp					
/note	= coding sequence ENSP00000399567				
/translation	= MEDEMPKTL,,YVGNLSRDVTEALILQLFSQIGPCKNCKMIMD,,TAGNDPYCFVEFHEHRHAAAALAMNGRKIMGK,,EVKVNWATTPSSQKKDTS,,NHFHV FVGDLSPEITTEDIKAAAFAPFGRIS,,DARVVKDMATGKSKGYGFV SFFNKW,,DAENAIQQ MGGQ WLGGRQ IRTNWATRKPAPKSTY E,,SNTKQLSYDEVVNQSSPSNCTVYCGVTSGLT,,EQLMRQTFSPFGQIMEIRVFPDKGYSFVR,,QTQSSAPWMPNYGVQPPQGQNGSMLPN				
	285 amino acids = 31.6 kDa				
TIA1-204	231 .. 31,837	31,607 bp		→	CDS
▶ 8 segments = 645 bp					
/note	= coding sequence ENSP00000413751				
/translation	= MEDEMPKTL,,YVGNLSRDVTEALILQLFSQIGPCKNCKMIMD,,TAGNDPYCFVEFHEHRHAAAALAMNGRKIMGK,,EVKVNWATTPSSQKKDTS,,SSTVVSTQRSQ,,DHFHV FVGDLSPEITTEDIKAAAFAPFGRIS,,DARVVKDMATGKSKGYGFV SFFNKW,,DAENAIQQ MGGQ WLGGRQ IRTNWATRKPAPKSTY E,,SNTKQLSYDEVVNQSSPSNCTVYCGVTSGLT,,EQLMRQTFSPFGQIMEIRVFPDKGYSFVR,,QTQSSAPWMPNYGVQPPQGQNGSMLPN				
	214 amino acids = 24.1 kDa				
TIA1-202	12,486 .. 24,235	11,750 bp		→	prim_transcript
/note	= primary transcript ENST00000361692				
TIA1-202	12,486 .. 24,149	11,664 bp		→	CDS
▶ 5 segments = 457 bp					
/note	= coding sequence ENSP00000354838				
/translation	= IRR*PFQRCDRSSNSATL*PDWTL*KLQNDYG,,YSWK*SLFLCGVS*ASSCSCSISCYEWTE DNG*,,GSQSELGNP*QSKERYKQ,,SFPCLCW*SQPRNYN*RYKSCFCTIWNI,,RCPGKRHRGNRKV*GIWLCLLFQ QMGELSEKCMDNA*RV				
	152 codons (11 internal stop codons)				
TIA1-207	19,343 .. 34,309	14,967 bp		→	prim_transcript
/note	= primary transcript ENST00000454815				
TIA1-218	20,822 .. 32,427	11,606 bp		→	prim_transcript
/note	= primary transcript ENST00000496096 Retained intron				
TIA1-212	20,838 .. 32,508	11,671 bp		→	prim_transcript
/note	= primary transcript ENST00000477415 Retained intron				
TIA1-209	23,595 .. 31,839	8245 bp		→	prim_transcript
/note	= primary transcript ENST00000474699 Retained intron				
TIA1-214	24,069 .. 33,536	9468 bp		→	prim_transcript
/note	= primary transcript ENST00000482876 protein_coding_CDS_not_defined				
TIA1-215	31,501 .. 32,236	736 bp		→	prim_transcript
/note	= primary transcript ENST00000484065 Retained intron				
TIA1-208	31,817 .. 34,297	2481 bp		→	prim_transcript
/note	= primary transcript ENST00000468787 protein_coding_CDS_not_defined				
TIA1-220	31,833 .. 32,542	710 bp		→	prim_transcript
/note	= primary transcript ENST00000497672 Retained intron				
TIA1-207	32,377 .. 34,309	1933 bp		→	CDS
▶ 3 segments = 344 bp					
/note	= coding sequence ENSP00000402263				
/translation	= MRQTFSFGQIMEIRVFPDKGYSFVR,,FNSHESAAHAIVSVNGTTIEGHVVKCYWGKETLDMINPVQQ,,QNQIGYPQPYGQWGQWYGNAQQI GQYMPNGWQVPAYGMYGQAWNQQG				
	114 amino acids = 13.1 kDa				
TIA1-217	33,001 .. 35,912	2912 bp		→	prim_transcript
/note	= primary transcript ENST00000495774 Retained intron				
TIA1-216	33,339 .. 35,985	2647 bp		→	prim_transcript
/note	= primary transcript ENST00000486392 Retained intron				

Feature	Location	Size			Type
✓ Donor Template WT -> SNV	35,835 .. 35,934	100 bp			misc_feature
✓ Protospacer Sequence	35,853 .. 35,872	20 bp			misc_feature
✓ SNV	35,866 .. 35,866	1 bp			misc_feature
/note = WT = C SNV = T					
✓ PAM	35,873 .. 35,875	3 bp			misc_feature

Primer	Length	Binding Sites	Tm	Date Added
✓ PCR Forward	25-mer	35,438 .. 35,462	60°C	Jan 18, 2023
/sequence = TCTTTCAGGTAGTGGTTTCCTCAGC 48% GC / 7630.0 Da				
✓ Sanger Sequence	20-mer	35,768 .. 35,787	54°C	Jan 18, 2023
/sequence = AATCAGTGGATTCCTCTCC 45% GC / 6043.0 Da				
✓ Donor Template WT -> SNV	100-mer	35,835 .. 35,934	78°C	Jan 18, 2023
/sequence = TTTCATACCCTGCCACTCGATACCCAGAAGGCTGATTGGGCAACATGCTGCCATTTGCCCTTGAGGCAGTTGCACTCCATAATTTGGTC 61% GC / 6211.9 Da				
✓ gRNA Protospacer	20-mer	35,853 .. 35,872	60°C	Jan 18, 2023
/sequence = TATGGAGTGCAACCGCCTCA 55% GC / 6102.0 Da				
✓ PCR Reverse	25-mer	36,418 .. 36,442	62°C	Jan 18, 2023
/sequence = GAGATGGGACAGCTCAAACAATGCC 52% GC / 7709.1 Da				