

INK2J00008_TIA1_P351L_E05_BB
 39,217 bp

5'
3'

AACTTTGCTGGCTGCTCCTAGGCTCCCGGCTCGCCGCCATCTTGTATTGGGGTTTCATTGTTCCCGCTGGGCGGGCGGTTTAAGT
TTGAAACGACCGACGAGGATCCGAGGGCCGAGCGGCGGTAGAACATAACCCCAAAGTAACAAGGGCGACCCGGCCCGCCAAATCA

85

TIA1

TIA1-205

GTAATTGCCGCGGAGGAGGAGGCGGAGTAACCTCTGGTCAGCCGAGAAACCCCACTATCCTGTAGCCATAACCGCTTAAACGAT
CATTAAACGGCGGCCTCCTCCTCCGCCTCATTGGAGACCAGTCGGCTCTTTGGGGTGATAGGACATCGGTATTGGCGAATTTGCTA

170

TIA1

TIA1-205

TTGGGAGGTAGTGAAGGGCAGGGAGCTGGACCTGGAGGCGCCGCCGCGACAGCAGCAGCCATGGAGGACGAGATGCCCAAGACTC
AACCTCCATCACTTCCCGTCCCTCGACCTGGACCTCCGCGGCGGCGCTGTCGTCGTCGGTACCTCCTGCTCTACGGGTTCTGAG

255

TIA1

TIA1-205

1 5
M E D E M P K T
ENSE00001942458

TIA1-205

TGTGAGTCTGGGGCAGCGATGAGGGAGGCGGGATGGTGGTCGTCCCGAGGGAAAGCCTCGGCCCTGCGCCGCTCCCAGCCTATT
ACACTCAGACCCCGTCGCTACTCCCTCCGCCCTACCACCAGCAGGGCCTCCCTTCCGGAGCCGGGACGCGGGCGAGGGTTCGGATAA

340

TIA1

TIA1-205

L

TIA1-205

GTTCTCCGTGGACACCGGATATCGTGGTTTTTGTTCCTTAGCATGCACCTGGATGCTTACAACCAAGACCCAATCTGTGAGGA
CAAGAGGCACCTGTGGCGCTATAGCACCAAAAACAAAGGAATCGTACGTGGACCTACGAATGTTGGTTCTGGGTTAGACACTCCT

425

TIA1

TIA1-205

TIA1-205

CGAGGTGAAGGGAGACGGGGCTCAACCCTCTCAATTAATCCCTTCACTTTAGCAACACCATTGCATGACCTTTGCTCTCGCCACG
GCTCCACTTCCCTCTGCCCGAGTTGGGAGAGTTAATTAGGGAAGTGAAATCGTTGTGGTAACGTAAGTACTGGAAACGAGAGCGGTGC

510

TIA1

TIA1-205

TIA1-205

GGCCCTCTGTGGTCTTAGACCTGGAGAAAAGACTTTAATTCAGACCTCTTTTTAGAACTCGTCGAACCTTCTTTTTGTCTATGC
CCGGGAGACACCAGAATCTGGACCTCTTTTCTGAAATTAAGTCTGGAGAAAAATCTTGAGCAGCTTGGAAAGGAAAAACAGGATACG

595

TIA1

TIA1-205

TIA1-205

TTTCTTTCTTTTCCCGCTTCTCCCCCTTTTTGATTAACCTCTTCTTATCTTTACAGCCGTCTCCCTTTAATTTTACTTTTGATT
AAAGAAAGGAAAAGGGCGAAGAGGGGAAAAACTAATTGGAGAAGAATAGAAATGTCGGCAGAGGGAAATTTAAATGAAAATAA

680

TIA1

TIA1-205

TIA1-205

TCCTACTGAAATTCCTTCCTTTTCATTTTCTTCTCGGTGATAAGATTTTTTCTCCTCGAGGGTGCTTGTACTCATTTTTCAGTGCC
AGGATGACTTTAAGAAGGAAAGTAAAAAGAAGAGCCACTATTCTAAAAAAGGAGGAGCTCCCACGAACATGAGTAAAAAGTCACG

765

TIA1

TIA1-205

TIA1-205

AGTAAACTTTTATTCTTGCAGTTGCCAATTGGAAAAAGCCAAGCATTTTTCTTTAACCTCTGGCTTTCCTTCTGTAGCACCCACC
TCATTTGAAATAAGAACGTCAACGGTTAACCTTTTTTCGGTTCGTAAAAAGAAATTGGAGACCGAAAGGAAGACATCGTGGGTGG

850

TIA1

TIA1-205

TIA1-205

GACCAAAAAGCCTAACCCAGACACCCCAAGGATTTGGAAATCTCACCCAGAAGGAATATATCAATTGAGGGGAAATGGATTTAATA
CTGGTTTTTCGGATTGGTCTGTGGGGTTCCCTAACCTTTAGAGTGGGTCTTCTTATATAGTTAACTCCCCTTTACCTAAATTAT

935

TIA1

TIA1-205

TIA1-205

TTATTTTTATAGTCGTTTACTACTGTTGTGATTGACATGGTGTGAAACGAGCGGGCTGTAAATGCCCTAACATATTTACAGAGAA
AATAAAAATATCAGCAAATGATGACAACACTAACTGTACCACAACCTTGCTCGCCCCGACATTTACGGGATTGTATAAATGTCTCTT

1020

TIA1

TIA1-205

TIA1-205

TTTTTAGAGATAGCGTTAAATTACCGGAGCGTGGATATTTTTCTTTGTGCGTGTGGCTTCCCCAACTGCGTTCTTTGTTTTTCGAGG
AAAAATCTCTATCGCAATTTAATGGCCTCGCACCTATAAAAGAAACAGCACACCGAAGGGGTTGACGCAAGAAACAAAAAGCTCC

1105

TIA1

TIA1-205

TIA1-205

TATTATCGGATGAGTTGATCCTGCCTTTGTTGGCATTCTCGGAAGAAGAAAAGCTCAATGAGTTCTTGACATAGCTTTTTGTTT
ATAATAGCCTACTCAACTAGGACGGAAACAACCGTAAAGAGCCTTCTTCTTTTCGAGTTACTCAAGAAGTGTATCGAAAAACAAA

1190

TIA1

TIA1-205

TIA1-205

TTCTTGGATGACATAGCTTTTTGTTTATATTCTTGGAACTACTGGCAGTTTGGAGAGCTCCATGCATTAATAAATGCAATTTTAGGTT
AAGAACCCTACTGTATCGAAAAACAAATATAAGAACCCTATGACCGTCAAACCTCTCGAGGTACGTAATTTTACGTTAAAAATCCAA

1275

TIA1

TIA1-205

TIA1-205

TCTCTTTGCAGCTCTCTAATAAAAGTTGCTCTGAAGTACGATGTAATTGTTTTTTTACCTCCAAAATTTTTCCACTTTTAAAGTTGC
AGAGAAACGTCGAGAGATTATTTCAACGAGACTTCATGCTACATTAACAAAAAAATGGAGGTTTTTAAAAAGGTGAAAATTCACCG

1360

TIA1

TIA1-205

TIA1-205

TATTTCTTGTCTATATTGGAAATGTGGTTACACTTGTTCCTTAATAGATTGTCAGTTAATCTGTTAGTAACCTTGAAATTTCTT
ATAAAGAACAGATATAACCTTTACACCAATGTGAACAAAAGAATTATCTAACAGTCAATTAGACAATCATTGGAACCTTTAAAGAA

1445

TIA1

TIA1-205

TIA1-205

TTCTCTATTCTGAGGCTCAGAAAGTATCTTTTCAGTAGGACGTAGCAATTAGTGCATGACCTTTGTTTTAGGAAAGATTGTATC
AAGAGATAAGGACTCCGAGTCTTTCATAGAAAAGTCATCCTGCATCGTTAATCACGTACTGGAAACAAAATCCTTTCTAACATAG

1530

TIA1

TIA1-205

TIA1-205

TGTAGATGAATACTCCCTAAAAAACTACTAGCCTCACGGTGTGGTGGAAATCTCTTCCCTCTTGCCTCTTAGCTATGACAGTCAT
ACATCTACTTATGAGGGATTTTTTGATGATCGGAGTGCCACAACCACCTTAGAGAAGGGGAGAACGGAGAATCGATACTGTCAGTA

1615

TIA1

TIA1-205

TIA1-205

CAGCATTTTGGGTTAAGGCACTGCTCGTGTTTTATAATGTAACTTAATATTCTCAGTATTAGTTTGAAAATGTTTAATTTTAGA
GTCGTA AAAACCAATTCCGTGACGAGCACAAAATATTACATTTGAATTATAAGAGTCATAATCAAACCTTTTACAAATTTAAATCT

1700

TIA1

TIA1-205

TIA1-205

AACTGCAGAAGTATCTGACCACTTAACTTTTAACTTTTTAATTTTGTCTTTACTTTTTAATTTTTTGAGATGGAGTCTCACTTT
TTGACGTCTTCATAGACTGGTGAATTGAAAAATTGAAAAATTA AAAACAAAATGAAAAATTA AAAAACTCTACCTCAGAGTGAAA

1785

TIA1

TIA1-205

TIA1-205

GTCACCCAGGCTGCAAGGCTAGAGTGCAGTGATGCGATTTTCGGCTCACTGCAACCTCCACCTCCTGGGTTTTAAATGATTCTCCTG
CAGTGGGTCCGACGTTCCGATCTCACGTCACTACGCTAAAGCCGAGTGACGTTGGAGGTGGAGGACCCAAATTTACTAAGAGGAC

1870

TIA1

TIA1-205

TIA1-205

CCTCACCCCTCCCAAGTAGCTGGCACTACATGCGGGCACCACCATGCCCGGCTAATTTTTGTATTTTTAGTAGAGATGGGGTTTTCA
GGAGTGGGAGGGTTTCATCGACCGTGATGTACGCCCGTGGTGGTACGGGCCGATTAAAAACATAAAAAATCATCTCTACCCCAAAGT

1955

TIA1

TIA1-205

TIA1-205

CCATGTCGGCCAAGCTGGTCTCGAACTCCTGACCTCAGGTGATCCGCACACCTCGGCCTCCAGAGTGCTGGGATTACAGGTGTG
GGTACAGCCGGTTCGACCAGAGCTTGAGGACTGGAGTCCACTAGGCGTGTGGAGCCGGAGGGTCTCACGACCCTAATGTCCACAC

2040

TIA1

TIA1-205

TIA1-205

AGCCACTGCGCCTGGCCTGTCCTCAACTTTTTAACTATTACATTTATTACTTATTTTGCCTTGTATCCCTCACTAATACACCCCAT
TCGGTGACGCGGACCGGACAGGAGTTGAAAATTGATAATGTAATAATGAATAAACGGAACATAGGGAGTGATTATGTGGGGTA

2125

TIA1

TIA1-205

TIA1-205

CCAAGAAACTCTTCCTCAAAGTAGTCATACTGTAAAAGTCTTCTCTTGTCTTCTACCTCCCTCAACCCAAACTCCCATTTTTCTAG
GGTTCTTTGAGAAGGAGTTTCATCAGTATGACATTTTCAGAAGAGAACAAGATGGAGGGAGTTGGGTTTGAGGGTAAAAAGATC

2210

TIA1

TIA1-205

TIA1-205

TCAGGCAAACCTTGACCAAACATGAGGGTACTAATCCCTAAGTTTTCTAATAGTGTTTTTAATTTTAATGTAAGATTTTTGCTT
AGTCCGTTTTGGAAGTGGTTTTGTACTCCCATGATTAGGGATTCAAAGGATTATCACAAAAATTAATAATTACATTCTAAAAACGAA

2295

TIA1

TIA1-205

TIA1-205

TAATGACCCTGGAAGTCAGAGGCTTTTTAATATATGTTCTTAGCAGAGTTCTTAGCACATTAACAAACACAGCCTCTCAATATATGT
ATTACTGGGACCTTCAGTCTCCGAAAATTATATACAAGAATCGTCTCAAGAATCGTGTAATTTTTGTGTGCGGAGAGTTATATACA

2380

TIA1

TIA1-205

TIA1-205

TCTTAGTGTGGTCCATGGTAAGTAATCAATACATTTGTTTAAGAACTGGTATAATTGGCTGGGCACAGTGGCTCACGCCTATAA
AGAATCACACCAGGTACCATTATTAGTTATGTAACAAAATTCTTTGACCATATTAACCGACCCGTGTCACCGAGTGCGGATATT

2465

TIA1

TIA1-205

TIA1-205

TCCTAACACTTTGGGGGGGCTGAGGAGGGTGGATCACTTGAGGGCAGGAGTTCAAGACCAGCCTGGCCAACATGGCGAAACCCCTGT
AGGATTGTGAAACCCCGACTCCTCCACCTAGTGAACCTCCCGTCTCAAGTTCTGGTCGGACCGGTTGTACCGCTTTGGGACA

2550

TIA1

TIA1-205

TIA1-205

CTCTACTACAAATACAAAAATTAAGTGAAGCATGGTGGCGCATGCCTGTAATCCCAGCTACTCGGGAGGCTGAGGAAGGAGAATCG
GAGATGATGTTTATGTTTTTAATTGACTCGTACCACCGCGTACGGACATTAGGGTCGATGAGCCCTCCGACTCCTTCCTCTTAGC

2635

TIA1

TIA1-205

TIA1-205

CTTGAACCCGGGAGGTGGAGGTTGCAGTGAGCCGAGGTTGCGCCATTGCACTCCAGCCTGTGCAACAGGAGGGAGGCTCCATCTC
GAACTTGGGCCCTCCACCTCCAACGTCCTCGGCTCCAACGCGGTAACGTGAGGTCGGACACGTTGTCTCCTCCGAGGTAGAG

2720

TIA1

TIA1-205

TIA1-205

AAAAAAAAAAAAAAAAAAAAAAAAAATCTGGTAGAATTTCAAGCAGTGAATTAAGATTTTACTCTTTCTTGAGGATAAAATAGAG
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTAGACCATCTTAAAGTTCGTCACTTAATTCTAAAATGAGAAAGAACTCCTATTTTATCTC

2805

TIA1

TIA1-205

TIA1-205

TCTGAATTTTTATCACCCACATACCTAAATGGCTCACTGGAAATTCCTTCATTTGCTACATCTGAGTGTTCGGCATCTCCATGTT
AGACTTAAAAATAGTGGGTGTATGGATTTACCGAGTGACCTTTAAGGAAGTAAACGATGTAGACTCACAAAGCCGTAGAGGTACAA

2890

TIA1

TIA1-205

TIA1-205

AAGTTAGAGAATACCAGTATTTGATTTCTTGTCCACCAATACTTTGGAATCATATTCTGAGACAACTTCCCGAAAGTTTATACTG
TTCAATCTCTTATGGTCATAAACTAAAGAACAGTGGTTATGAAACCTTAGTATAAGACTCTGTTTGAAGGGCTTTCAAATATGAC

2975

TIA1

TIA1-205

TIA1-205

CAAGATTATTTTGGAGGAGTATTCAAGGTACAGTTAATAAGTTCAAACATTTGTAGTGAGCATATGGGTGATGTATACTACTCTTC
GTTCTAATAAACTCCTCATAAGTTCATGTCAATTATTCAAGTTTGTAAACATCACTCGTATAACCCACTACATATGATGAGAAG

3060

TIA1

TIA1-205

TIA1-205

TCCATATATAAATTTGAAATTTTCCACAGTAAAAAATAAAAAATACGTGTATAGTGAGTCTGAATTGGCCTTGGTTACTTTAAAA
AGGTATATATTTAAACTTTAAAAGGTGTCATTTTTTTTATTTTTATGCACATATCACTCAGACTTAACCGGAACCAATGAAATTTT

3145

TIA1

TIA1-205

TIA1-205

ATATTCAACTTGTGAACTAAAAGCTACACACTAGACTAGAAAAACATTGCTGGTGTTAGTTGATGAAAGTTAATTCCTCAAATC
TATAAGTTGAACTTGGATTTTCGATGTGTGATCTGATCTTTTTGTAACGACCACAATCAACTACTTTCAATTAAGGGAGTTTAG

3230

TIA1

TIA1-205

TIA1-205

CAGACACCTTAATATCCTTTGTGTGGTTTACTCTCAAATGCATGAGTGTTCTCTTTTTGAGATAACTATACTGTTATTGTGCGGCT
GTCTGTGGAATTATAGGAAACACACCAAATGAGAGTTTACGTACTCACAAGAGAAAACCTCTATTGATATGACAATAACACGCCGA

3315

TIA1

TIA1-205

TIA1-205

TTCCCATTTGCTAAGATGCAGATCTGTAAATTATAGACCATCTTTAAAAGCCTGCAGCTGGCCAGGCATGGTGGCTCACACCTGT
AAGGGTAAACGATTCTACGTCTAGACATTTAATATCTGGTAGAAATTTTCGGACGTCGACCGGTCCGTACCACCGAGTGTGGACA

3400

TIA1

TIA1-205

TIA1-205

AATCCAGCACTTTGGGAAGCCGAGGTGAGTGGATCACCTGAGGTCAGAAGTTTGAGACCAACCTGGGCAACATGGTGAAACCCC
TTAGGGTTCGTGAAACCCCTTCGGCTCCACTCACCTAGTGGACTCCAGTCTTCAAACCTCTGGTTGGACCCGTTGTACCACTTTGGGG

3485

TIA1

TIA1-205

TIA1-205

ATCTCTACTAAAAATACAAAAATTAGCTAGGTGTGGTGACACATGCCAGTAGCCTCAGCTACTCGGGACTCCGGAGGCTCAGGAA
TAGAGATGATTTTTATGTTTTTAATCGATCCACACCACTGTGTACGGTCATCGGAGTCGATGAGCCCTGAGGCCTCCGAGTCTTT

3570

TIA1

TIA1-205

TIA1-205

GGAGAATCGCCCGGGAGGTGGAGGTTGCAGTGAGCCGAGATCACGCCACTGCACTCCAGCCTGGATGACAGAGCAAGACGGAGCC
CCTCTTAGCGGGCCCTCCACCTCCAACGTCACTCGGCTCTAGTGCGGTGACGTGAGGTCGGACCTACTGTCTCGTTCTGCCTCGG

3655

TIA1

TIA1-205

TIA1-205

CAATTAATTGCTATATACTAATGAGGGCCTTGCCTTTCTTCTGCTCCATGCTCATCTTTCATTCTTGTGTTGCTACTCCACTCTCC
GTTAATTAACGATATATGATTACTCCCAGAACGGAAAGAAGACGAGGTACGAGTAGAAAAGTAAGAACAACAGATGAGGTGAGAGG

3740

TIA1

TIA1-205

TIA1-205

AAATAGTATTGGCCTTGTAAATTTGTATGAAATAAAATCTCTTGTATTGAGAATCAGACCTATCTTTTTTTTTTTTTTTTTTTTTTTT
TTTATCATAACCGAACATTAAACATACTTTATTTTAGAGAACAATACTCTTAGTCTGGATAGAAAAAAAAAAAAAAAAAAAAAAAAA

3825

TIA1

TIA1-205

TIA1-205

TGAGACAGAGTCTCGCTCTGTCACCCAGGCTGGAATGCAGTGGCCCAATCTTGGCTCACTGCAAGCTCTGCCTTCCAGGTTACAG
ACTCTGTCTCAGAGCGAGACAGTGGGTCCGACCTTACGTACCCGGGTTAGAACCGAGTGACGTTTCGAGACGGAAGGTCCAAGTGC

3910

TIA1

TIA1-205

TIA1-205

CCATTCTCCTGCCTCAGCCTCCGGAGTAGCTGGGACTGCAGGCACCCGCCACCACGCCTGGCTAATTTTTTGTATTTGTAGTAGA
GGTAAGAGGACGGAGTCGGAGGCCTCATCGACCCTGACGTCCGTGGGCGGTGGTGC GGACCGATTAAAAACATAAACATCATCT

3995

TIA1

TIA1-205

TIA1-205

GACACAGTTTCACCGTGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGCGATCCGCCTGCCTCAGCCTCCCAAAGTGCTGGGAT
CTGTGTCAAAGTGGCACAATCGGTCTTACCAGAGCTAGAGGACTGGAGCGCTAGGCGGACGGAGTTCGGAGGGTTTTACGACCCCTA

4080

TIA1

TIA1-205

TIA1-205

TACAGGCGACAATCAGACCTATTTTTAAAGATTAGATTGAAGGCAAGGTTGGCCAAAATGAGATATTTATTAGATAATACTTATGT
ATGTCCGCTGTTAGTCTGGATAAAATTTCTAATCTAACTTCCGTTCCAACCGGTTTTACTCTATAAATAATCTATTATGAATACA

4165

TIA1

TIA1-205

TIA1-205

TTCCAAATAACTGCTAGTAATTAAGAATATGCTAGAAACATTACATTCACCTCAGTAATATTGAGAGCATACTACATGGCTGTCCG
AAGGTTTATTGACGATCATTAAATTTTATACGATCTTTGTAATGTAAGTGAGTCATTATAACTCTCGTATGATGTACCGACAGGC

4250

TIA1

TIA1-205

TIA1-205

TCTTCTGGGAACTGGGGATATGGTAGTACATATAATAGGCCTTTTACGAATTTACATAAGTAATTATGTTAGATGGTAATAAGTG
AGAAGACCCCTTGACCCCTATACCATCATGTATATTATCCGGAAAATGCTTAAATGTATTTCATTAATACAATCTACCATTATTCAC

4335

TIA1

TIA1-205

TIA1-205

CTATGGAGAAACATAATGCAGGGTATGCATGGTAAGGAGGAAGGGGTGGATATTTATAGAGAATAATAAAGGAAGGTCATCCTTT
GATACCTCTTTGTATTACGTCCCATACGTACCATTCCCTCCTTCCCCACCTATAAATATCTCTTATTATTTCCCTCCAGTAGGAAA

4420

TIA1

TIA1-205

TIA1-205

GATAAGTGACATTTGAGGAAAAAAGTGAAGGAGATGAGGGAGAGCCATGCTTCTATCTGAAGGAGGAGCACCCCTAGAAAAGAGCTA
CTATTCACTGTAAACTCCTTTTTTCACTTCCCTCTACTCCCTCTCGGTACGAAGATAGACTTCCCTCCTCGTGGGATCTTTCTCGAT

4505

TIA1

TIA1-205

TIA1-205

GTGCAAGGGGCCCTTGGGGGCAGGTCATGCTGGTTGGTTAGCCTGAAGAGAGTAAATGTAGTAGAGGAGTAGGAAATGAGGTCAG
CACGTTCCCCGGGAACCCCGTCCAGTACGACCAACCAATCGGACTTCTCTCATTTACATCATCTCCTCATCCTTTACTCCAGTC

4590

TIA1

TIA1-205

TIA1-205

AATGATAAATAGGAATGTTAGGGGAGATAGAAAATGCCAGATCATACGGATCCTTATGAGGGCTATCTTATCTGAGTAGGAATGG
TTACTATTTATCCTTACAATCCCCTCTATCTTTTACGGTCTAGTATGCCTAGGAATACTCCCGATAGAATAGACTCATCCTTACC

4675

TIA1

TIA1-205

TIA1-205

AAGCTGTAAGTGGGTTTTACGCAGAGTAGTGGTATAGCCTATCTTAACTTAAAAGTGGCAAAAGCAAGTAGCCTAGTCAGGAAG
TTCGACATTCACCCAAAAGTGCCTCATCACCATATCGGATAGAATTGGAATTTTGACCGTTTTTCGTTTCATCGGATCAGTCCTTC

4760

TIA1

TIA1-205

TIA1-205

CCAATCCAGGTATCAGAGAAAAGCAGTGCCTGTAATTGTAGTTAGTGCTGGTGAAAGTGATGGGAAGTAGTTGAATTATGGATATG
GGTTAGGTCCATAGTCTCTTTTCGTCACGGACATTAACATCAATCACGACCACTTTCACTACCCTTCATCAACTTAATACCTATAC

4845

TIA1

TIA1-205

TIA1-205

TTTTGAAAATAGAGCAACAGGAATTACCAGTGGCTTAGATGTGGCATGTGAGAATGATGTCAACAATAAATGGATTTATTTTAAA
AAAACTTTTATCTCGTTGTCCTTAATGGTCACCGAATCTACACCGTACACTCTTACTACAGTTGTTATTTACCTAAATAAAAATTT

4930

TIA1

TIA1-205

TIA1-205

ATGTGTAATATCAGTTATCTAAAATGTTATAGTTTTGTTGCAAAATATAAGTAAAAATGAAAAGTCTTGAGGATCGATATCCCTTA
TACACATTATAGTCAATAGATTTTACAATATCAAACAACGTTTTATATTCATTTTTACTTTTCAGAACTCCTAGCTATAGGGAAT

5015

TIA1

TIA1-205

TIA1-205

AGATGTCTACAGGCATAGTATTGAATACATTTGTTCAAGCTGGTTTACCTAGTGAAGGAGGTCCCAACTAGTAAGGCAGTTTCAG
TCTACAGATGTCCGTATCATAACTTATGTAACAAGTTTCGACCAAATGGATCACTTCCTCCAGGGTTGATCATTCCGTCAAAGTC

5100

TIA1

TIA1-205

TIA1-205

CCATCTCTTGTAACAGATTATTCTTTGTGATGGGTATACATTTGTTAAATAATAATAAGGTTAGGATGCTGATGTATAGTATATA
GGTAGAGAACATTGTCTAATAAGAAACACTACCCATATGTAACAATTTATTATTATTCCAATCCTACGACTACATATCATATAT

5185

TIA1

TIA1-205

TIA1-205

CACAAGCACTTACTATTCTACACAATTTATTTATTTATTTTAAATTGAGATAGGGTCTCATCCTGTTGTCCAGGCTCTGGCG
GTGTTTCGTGAATGATAAGATGTGTTAAATAAAATAAAATAAAATTAACTCTATCCCAGAGTAGGACAACAGGTCCGAGACCGC

5270

TIA1

TIA1-205

TIA1-205

CAGTGGTGTGATCACAGCTCACTGTAGCCTCGACCTCTCAGGCTCAAGGGATCTTCCCACCTCAGCCTCCTGAATAGCTGGGACT
GTCACCACACTAGTGTGAGTGACATCGGAGCTGGAGAGTCCGAGTTCCTAGAAAGGGTGGAGTCCGAGGACTTATCGACCCTGA

5355

TIA1

TIA1-205

TIA1-205

ATAGGCATGTGCCACCATGTCTGGCTAATTTTTAAAAATATTTGTAGAGAAGCGATCTCACTGTGTTGCCAGGCTGGTCTCCAA
TATCCGTACACGGTGGTACAGACCGATTAAAAATTTTTATAAACATCTCTTCGCTAGAGTGACACAACGGGTCCGACCAGAGGTT

5440

TIA1

TIA1-205

TIA1-205

CTCCTGGGCTCAAGCGATCTTCCCACCTTAGCCTCCCAAAGTGGGATTATAGGTGTGAGCCACCGTGCCTGGTGTTTACACAGTT
GAGGACCCGAGTTCGCTAGAAAGGGTGGAAATCGGAGGGTTTACCCTAATATCCACACTCGGTGGCAGGACCACAAATGTGTCAA

5525

TIA1

TIA1-205

TIA1-205

TCTTCATTAGCAAAAAGACATAACTAATCTTTTCCCTCTAGGGTAACCTTAAGCAAATGAGAGAATTTTCTAGCAAATTGCAAATG
AGAAGTAATCGTTTTCTGTATTGATTAGAAAAGGGAGATCCCATTTGAATTCGTTTTACTCTCTTAAAAGATCGTTTAACGTTTAC

5610

TIA1

TIA1-205

TIA1-205

TTCAGAAGTCATTCTGAGACAGTACATTTAACTCTTTAACAGATATTTATAGAGCAATAAATATCACTGCAATGATATTGCAATG
AAGTCTTCAGTAAGACTCTGTCAATGTAATTGAGAAATTGTCTATAAATATCTCGTTATTTATAGTGACGTTACTATAACGTTAC

5695

TIA1

TIA1-205

TIA1-205

TTCCAGGCAGTGTCTAGACTAGCAGTCCCCAGCCTTTTTGGCACCGAGACCAGTTTTTGTGGAAGACAATTTTTCCATGGGCGGG
AAGGTCCGTCAACAAGATCTGATCGTCAGGGGTCGGAAAAACCGTGGCTCTGGTCAAAACACCTTCTGTTAAAAGGTACCCGCC

5780

TIA1

TIA1-205

TIA1-205

ATGGTTTCAGGATGAAACTGTTCCACCTCAGAGCATCAGGCATTAGATAAATTTCTCATAAGGAACACACAACCTAGATCCCTTGC
TACCAAAGTCCTACTTTGACAAGGTGGAGTCTCGTAGTCCGTAATCTATTTAAGAGTATTCCTTGTGTGTTGGATCTAGGGAACG

5865

TIA1

TIA1-205

TIA1-205

ATGCCAGTTCACAAATGCTGCTGATCTTACAGGAGGCAGAGCTCAAGCAGTAATGCTCCCTCCCCTGCTGCTCACCTCCTGCTG
TACGGGTCAAGTGTTTACGACGACTAGAATGTCCTCCGTCTCGAGTTCGTCATTACGAGGGAGGGGACGACGAGTGGAGGACGAC

5950

TIA1

TIA1-205

TIA1-205

TGTGGCCCAGTTCCTAACAGGCCATGGACGCATAATGGTCCATGGCCTAGGGGGGAGTTGGGGACCCCTGTTCTAGATGGTAGAT
ACACCGGGTCAAGGATTGTCCGGTACCTGCGTATTACCAGGTACCGGATCCCCCTCAACCCCTGGGGACAAGATCTACCATCTA

6035

TIA1

TIA1-205

TIA1-205

ACCAACTAAGAATAAAAAATGAAAAACCTCTTATGGAATTTATTATTAGGTAAAAAACTATTTCATCGTTTTTACTCAAATTTTCAGA
TGGTTGATTCTTATTTTTACTTTTTGGAGAATACCTTAAATAATAATCCATTTTTTGATAAGTAGCAAAAATGAGTTTAAAAGTCT

6120

TIA1

TIA1-205

TIA1-205

GACCTTATCAAATTCTGCCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGAGACTGAGTCTCTGTCACTCAGGCTGGACTGCCGTGGT
CTGGAATAGTTTAAGACGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCTGACTCAGAGACAGTGAGTCCGACCTGACGGCACCA

6205

TIA1

TIA1-205

TIA1-205

GAGATCTCGGCTCACTGCAACCTCCACTTCCCAGGGTTCAGGTGATTCTCTCGCCCACCATCACACTTGGCTAATTTTTTGTGTTT
CTCTAGAGCCGAGTGACGTTGGAGGTGAAGGGCCCAAGTCCACTAAGAGAGCGGGTGGTAGTGTGAACCGATTAAAAACACAAA

6290

TIA1

TIA1-205

TIA1-205

TTAGTAGAGGCAAGTTTCAACATATTGGCCAGGCTGATCTCGAACTCCTGAGCTCAAGTGATCCCCACCTCAGCCTCCCAAAGT
AATCATCTCCGTTCAAAGTTGTATAACCGGTCCGACTAGAGCTTGAGGACTCGAGTTCACTAGGGGGTGGAGTCCGAGGGTTTTCA

6375

TIA1

TIA1-205

TIA1-205

GCTGGGATTACAGGCGTGAGCCACCGCTCCCAGCTAATCCTGAAAATTTCTTATAGGCACAAGAGTCAGGTGAGAGTAGACACAC
CGACCCTAATGTCCGCACTCGGTGGCGAGGGTTCGATTAGGACTTTTAAAGAATATCCGTGTTCTCAGTCCACTCTCATCTGTGTG

6460

TIA1

TIA1-205

TIA1-205

AAGAGATGCAGAGATAGTACAGAGTTTTGTTTTTTCGCGGGGAGGGTTTTGCGGAAGAATGGCATGATAACCTTCATCTAGCATC
TTCTCTACGTCTCTATCATGTCTCAAAAACAAAAACGCCCTCCAAAACGCCTTCTTACCGTACTATTGGAAGTAGATCGTAG

6545

TIA1

TIA1-205

TIA1-205

CCTAATGTTACCATCTTATATAACCGTGGTATAATTATCAAATTAAGAAATTAACACTATAGGCTTTATTCCAATTTTTCCAC
GGAATTACAATGGTAGAATATATTGGCACCATATTAATAGTTTTAATTCTTTAATTGTGATATCCGAAATAAGGTTAAAAAGGTG

6630

TIA1

TIA1-205

TIA1-205

TGATATCCTTTTTATATTCTAGGATCCAATTCAGGAAAAATACCACATTGCATTTTCGTCATCGTCTCTTTATTCTCCTTCATTCTG
ACTATAGGAAAAATATAAGATCCTAGGTTAAGTCCTTTTTATGGTGTAACGTAAAGCAGTAGCAGAGAAAAAAGAGGAAGTAAGAC

6715

TIA1

TIA1-205

TIA1-205

TGAGAGGTCTTTCTGACCTTAACACTTTTTTTTTTTTTTTAGAGGTAAGGTCTCACTCTGGTGCCAGACTGGAGTTCAGTGGCAC
ACTCTCCAGAAAAGACTGGAATTGTGAAAAAAAAAAAAAAAAATCTCCATTCCAGAGTGAGACCACGGGTCTGACCTCAAGTCACCGTG

6800

TIA1

TIA1-205

TIA1-205

AATCATTGTTCACTTCAGCTTCCCAAGTAGCTGGAACCTACAGGTGCACACCACCACACCCAGCTAATTTTTTTCTTATTTTTTGTGTA
TTAGTAACAAGTGAAGTCGAAGGGTTTCATCGACCTTGATGTCCACGTGTGGTGGTGTGGGTCGATTAATAAAGAATAAAAAACAT

6885

TIA1

TIA1-205

TIA1-205

GAGACGGTGCATATCACTATGTTGCCCTAGCTGGTCTCAAACCTACTGGCCTCAAGTGAATCTCTCACCTCGGCCTCCCAAAGCAC
CTCTGCCACGTATAGTGATACAACGGGATCGACCAGAGTTTGATGACCGGAGTTCACCTTAGAGAGTGAGCCGGAGGGTTTTCTGTG

6970

TIA1

TIA1-205

TIA1-205

TGGGTTTACAGGTGTGAGCCACCACACCCTACCGACACTTTGGAAGGGTACTGTTTCTCCTGTTCTCCAAAATCACCGTGACTTC
ACCCAAATGTCCACACTCGGTGGTGTGGGATGGCTGTGAAACCTTCCCATGACAAAAGAGGACAAGAGGTTTTAGTGGCACTGAAG

7055

TIA1

TIA1-205

TIA1-205

TTTTTCTTAACTTACTCTGTTGGTTAGAAGTAAGTCACCGAGGCTAGCTCACACTCAGGAAGAGGAAGATTAAGTTCACTTCC
AAAAAAGAATTGAATGAGACAACCAATCTTCATTCAGTGGCTCCGATCGAGTGTGAGTCCTTCTCCTTCTAATTCAATGTGAAGG

7140

TIA1

TIA1-205

TIA1-205

TGGAGGGAGGTATATCCAAAGAATTCATAGTCATGTAAAACCACTAGTTCATTGGTCAAAACTTTTTTTTTTCTTTTTTTAAGAC
ACCTCCCTCCATATAGGTTTCTTAAGTATCAGTACATTTTGGTGATCAAGTAACCAGTTTTGAAAAAAAAAAGAAAAAATCTG

7225

TIA1

TIA1-205

TIA1-205

AGAGTCTCGCTCTGTTGCCAGGCTGGAGTACAGTGGCATGATCTCGGCTCACTGCAACCTCTGCCTCCTGGGTTCAAGCGATTCT
TCTCAGAGCGAGACAACGGTCCGACCTCATGTACACGTA TAGAGCCGAGTGACGTTGGAGACGGAGGACCCAAGTTCGCTAAGA

7310

TIA1

TIA1-205

TIA1-205

CCTGCCTCGGCCTCCCTAGTAGCTGAAACTACAGGCACACGCCACCAAGCCAGCTAATTTTTTGTATTTTTTAGTAGAGACGGG
GGACGGAGCCGGAGGGATCATCGACTTTGATGTCCGTGTGCGGTGGTTCGGGTCGATTAATAAACATAAAAAATCATCTCTGCC

7395

TIA1

TIA1-205

TIA1-205

GTTTCACTATGTTGGCCAGGATGGTCTTGATCTCCTGACCTGTGATCCGCTCGGTCTCCCAAAGTGCTAGGATTACAGGCGTGA
CAAAGTGATACAACCGGTCCTACCAGAAGTAGAGGACTGGACACTAGGCGGAGCCAGAGGGTTTCACGATCCTAATGTCCGCACT

7480

TIA1

TIA1-205

TIA1-205

GCCACCGCACCTGTCCCAAAACCAATTTTTAATAAATATTTTAGTGGAGGTACTTTGAGGCTATTCAGATACCCTGTTTCCCCTT
CGGTGGCGTGGACAGGGTTTTGGTTAAAAATTATTTATAAAATCACCTCCATGAAACTCCGATAAGTCTATGGGACAAAGGGGAA

7565

TIA1

TIA1-205

TIA1-205

TTAAGGTTTCATCAACTAATGTGAGCTTCCATGGGTGGATCTTCCCTTAGAAAATTACTGTGGTGTTTAATGGTGATTTTCT
AATTCCAAAGTAGTTGATTACACTCGAAGGTACCCACCTAGAAGGAAATCTTTAATAATGACACCACAAAATTACCACTAAAAGA

7650

TIA1

TIA1-205

TIA1-205

ATTTCTCTCATTCTTTCTACATTTATTAATTCTGTAAGAAAAAATTTTTCCCTCATCCGGGATCCATTTAAACATTATTGAT
TAAAGAGAGTAAGAAAGATGTAAATAATTAAGACATTCTTTTTTGATAAAAAGGGGAGTAGGCCCTAGGTAAATTTGTAATAACTA

7735

TIA1

TIA1-205

TIA1-205

TGTATTTGGTTGTCAGTGTTTTTTATGTCCTTTTTTTTTGGTGGGGGGGCAGGGAGGGCAGTGCTTTGCTCTGTCACCCTGGCTG
ACATAAACCAACAGTCACAAAAAATACAGGAAAAAAAACCACCCCGTCCCTCCCGTCACAGAACGAGACAGTGGGACCGAC

7820

TIA1

TIA1-205

TIA1-205

GAGTACTGTGGTGTAAATATGAGCTCACTGCAATGTCCACCTCCCAAGTTC AAGTGATTCTTGTGCCTCCCCTTCCCAGGTAGCTG
CTCATGACACCACATTATACTCGAGTGACGTTACAGGTGGAGGGTTCAAGTTCAC TAAGAACACGGAGGGGAAGGGTCCATCGAC

7905

TIA1

TIA1-205

TIA1-205

GGATTACAGGCATGCGCCACCACACCTGGCTGATTTTTGTATTTATTGTAGTAGAGATGAGGTTTTACCATGTTGGCCAGGCTGG
CCTAATGTCCGTACGCGGTGGTGTGGACCGACTAAAAACATAAATAACATCATCTCTACTCCAAAGTGGTACAACCGGTCCGACC

7990

TIA1

TIA1-205

TIA1-205

TCTCTAACTCCTGGTCTCAAGTGAAGTGCCTACCTCGGCCTCCCAAGTGCTAGGATTT CAGGCTTGAGCCACTGTGCCAGCTT
AGAGATTGAGGACCAGAGTTCACTTGACGGATGGAGCCGGAGGGTTTTACGATCCTAAAGTCCGAACCTCGGTGACACGGGTTCGAA

8075

TIA1

TIA1-205

TIA1-205

TCTGTTTCTTTTATTTATTTATATCTTAGAAATGAGGTCTTGCTATGTTCC CAGGCTGGACTCAAACCTCCTGGGTTCAAGGGATC
AGACAAAGAAAATAAATAAATATAGAATCTTTACTCCAGAACGATACAAGGGTCCGACCTGAGTTTGAGGACCCAAGTTCCTTAG

8160

TIA1

TIA1-205

TIA1-205

CACCCACCTCAGCCTCTCAAGTAGCTGGGGCTGCGGGCTTGTGCCACCACTCCCTTTTATTCAAGAACAGTCATCTGTTGTTTTT
GTGGGTGGAGTCGGAGAGTTCATCGACCCCGACGCCCGAACACGGTGGTGAGGGAAAATAAGTTCCTTGTGCTAGTACAAACAAAAA

8245

TIA1

TIA1-205

TIA1-205

GTTTTAGGACAATAATTTTTGAAGAGACTGAGTTGTCTTATAAAGTG TCCCACATCTGGATTCATGGAATTGTTTTATTTGCCT
CAAAATCCTGTTATTAATAAACTTCTCTGACTCAACAGAATATTTACAGGGGTGTAGACCTAAGTACCTTAACAAAATAAACGGA

8330

TIA1

TIA1-205

TIA1-205

GATATCCTATAAACTTAAATCTAATTTTCAGCTTGGTTAGATTTAGGTTAGACTTTTTTATGTAAATATTTTCATAGGTGATACTG
CTATAGGATATTTGAATTTAGATTAAGTTCGAACCAATCTAAATCCAATCTGAAAAAATACATTTATAAAGTATCCACTATGAC

8415

TIA1

TIA1-205

TIA1-205

TGTAATTCATATTATATATATGCAGTATCTCATTGGTCGTTGCCCATCTATAAAAAAATTGAAAAATTTTATCACTGGGTCATAGT
ACATTAAGTATAATATATATACGTCATAGAGTAACCAGCAACGGGTAGATATTTTATTAACCTTTTAAAAATAGTGACCCAGTATCA

8500

TIA1

TIA1-205

TIA1-205

GGTAACAGCCAAAGCTCTCATTTTTAAGGTAAGGTTTTCCCTTTGCAATTTATTAAGTAATCTATGTGATAACTTTGACACCTTG
CCATTGTCGGTTTTCGAGAGTAAAAATTCCATTCCAAAAGGGAAACGTTAAATAATTCATTAGATACACTATTGAAACTGTGGAAC

8585

TIA1

TIA1-205

TIA1-205

TGACTATTTCCACACCAACTGTTTCATGTAGTAGTTAAGCATTAAATTAAGATCCTTGCCTGAAACAGTTATTTTCATTAGGGTTT
ACTGATAAAGGTGTGGTTGACAAGTACATCATCAAATTCGTAATTAATTTCTAGGAACGGACTTTGTCAATAAAGTAATCCCAA

8670

TIA1

TIA1-205

TIA1-205

ACACATTGTTAATTTAATACTATCTTTCTACATTTATTAAGTACTAGCATTCTCCTGTAAAGGAGAACTTTTCTAAACTAGAGCTATT
TGTGTAACAATTAATTTATGATAGAAAGATGTAATAATTTGATCGTAAGAGGACATTTCTCCTTTGAAAAGATTTGATCTCGATAA

8755

TIA1

TIA1-205

TIA1-205

AGATTACACTATTTAGTGGGAGTTCCCTACTTAATAGGATAAATGCTTAATTTCTGTCTCTTTTTTCAGAATAAAGACTTGGTGAGT
TCTAATGTGATAAATCACCCCTCAAGGATGAATTATCCTATTTACGAATTAAGACAGAGAAAAAGTCTTATTTCTGAACCACATCA

8840

TIA1

TIA1-205

TIA1-205

AATAACTCCCAATACTGGTAAATTGCTGTTGGGTAAATGTTGCTGTTACTTTCTCTTTTGGAGTACCATTATTTTACCTGATCGTT
TTATTGAGGGTTATGACCATTTAACGACAACCCATTTACAACGACAATGAAAGAGAAAACTCATGGTAATAAATGGACTAGCAA

8925

TIA1

TIA1-205

TIA1-205

AAATGTCATTTGTTATTAAGACTCAGCATTCTTCCCTTTGCCATCTTAACCTTTTCCAAAGGCTTCGTGTTAAGCACTCAATATG
TTTACAGTAAACAATAATTCTGAGTCGTAAGAAGGAAACGGTAGAATTGGAAAAGGTTTCCGAAGCACAATTCGTGAGTTATAC

9010

TIA1

TIA1-205

TIA1-205

TGTTTGTGAATGGTAGATGGAAAGAAGAAATTGATTCCACACTTTGTGAGCATGTATGAATATTTACTTTTCTGGGGAGAAAAGT
ACAAACAACCTTACCATCTACCTTTCTTCTTTAACTAAGGTGTGAAACACTCGTACATACTTATAAATGAAAAGACCCCTCTTTCA

9095

TIA1

TIA1-205

TIA1-205

CCATACCTTGTATCAAATTTTCTGAAGGGTACCTGAGAGACAAATGAGAAACTACCATTCTGGGGAGACTGCATTCCCTGATTCC
GGTATGGAACATAGTTTAAAAGACTTCCCATGGACTCTCTGTTTACTCTTTGATGGTAAGACCCCTCTGACGTAAGGGGACTAAGG

9180

TIA1

TIA1-205

TIA1-205

AGAACTGATAAACCTCTAACTCTGTAAATGACTAGAGGTAATCTCATCTCAAATCTCATTTAAAACTTATTTATAAACCTT
TCTTGACTATTTGGAGATTGAGACATTTTACTGATCTCCATTAGAGTAGAGTTTTAGAGTAAATTTTTGAATAAATATTTGGGAA

9265

TIA1

TIA1-205

TIA1-205

TATTGGCCGGGCGCAGTGGCTCACGCCTGTAATCCAAACACTTTGGGAGGCCGAGGCAAGCAGATCACGAGGTCAGGAGATCGAG
ATAACCGGCCCGCGTCAACGAGTGC GGACATTAGGTTTGTGAAACCTCCGGCTCCGTTCTAGTCTCAGTCCAGTCCCTCTAGCTC

9350

TIA1

TIA1-205

TIA1-205

ACCATCCTGGCTAACATGGTGAAACCCATCTCTACTAAAAATACAAAAACTAGCCGGGCGTGGTGGCGGGTGCCTGTAGTCCC
TGGTAGGACCGATTGTACCACTTTGGGGTAGAGATGATTTTTATGTTTTTTGATCGGCCCGCACCACCGCCACGGACATCAGGG

9435

TIA1

TIA1-205

TIA1-205

AGCTACTCGGGAGGCTGAGGCAGGAGAATGGCGTGAACCTCAGGAGGCGGAGCTTGCAGTGAGCCGAGATCACGCCACTGCACTCC
TCGATGAGCCCTCCGACTCCGTCCTCTTACCGCACTTGAGTCTCCGCTCGAACGTCACCTCGGCTCTAGTGC GG TGACGTGAGG

9520

TIA1

TIA1-205

TIA1-205

AGCCTGGGCGACAGAGCAAGACTCCGTCTCTAAATAAATGAATAAATAGTAAAACCTTTATTTTCTTTTTAGAGATAGAGTTTTG
TCGGACCCGCTGTCTCGTTCTGAGGCAGAGATTTATTTACTTATTTATCATTTTGGAAATAAAAAGAAAAATCTCTATCTCAAAC

9605

TIA1

TIA1-205

TIA1-205

CTCTGTCACCTGGGATGGAGTGCAGTGGCATAATCATAGCTCACTGCAGCCTCTTAACTCCTGGGTTCAAGTGATCTTCCCACCT
GAGACAGTGGACCCTACCTCACGTCACCGTATTAGTATCGAGTGACGTCGGAGAATTGAGGACCCAAGTTCACTAGAAGGGTGGA

9690

TIA1

TIA1-205

TIA1-205

CAGCGTCCGAAGTAGCTGGGACCATGCCATGGGACATAGTGCCACCATGTCCGCTAATTTTTATCTTTATTTTTATTTTTGTA
GTCGCAGGCTTCATCGACCCTGGTACGGTACCCTGTATCACGGTGGTACAGGCGATTAAAAAATAGAAAATAAAAAATAAAAAACAT

9775

TIA1

TIA1-205

TIA1-205

GAGACGGGGTCTCGCTGTATTGACTGGGCTGATCTTGAACCTCTTGGCTAAAGTGATCTTTCCACCTTGGCCTCCAAAAGTGCT
CTCTGCCCCAGAGCGACATAACTGACCCGACTAGAACTTGAGGAACCGATTTCACTAGAAAAGGTGGAACCGGAGGTTTTACGA

9860

TIA1

TIA1-205

TIA1-205

GGGATTACAGATGTGAGCCACTGCCCTAATCTAAACCCTTTAAATGAAGATCATCACAGTCTTATGGTCTTGTAAATGCACGATT
CCCTAATGTCTACACTCGGTGACGGGGATTAGATTTGGGAAATTTACTTCTAGTAGTGTCAGAATACCAGAACATTACGTGCTAA

9945

TIA1

TIA1-205

TIA1-205

TATATTTTTATATTGATAACCAACTCATAATCTGTGATGTTTCTACTCCCTTTACCCCTCTTCTACTGATCAGTAATGTTAAAT
ATATAAAAAATATAACTATTGGTTGAGTATTAGACACTACAAAGATGAGGGAAAAGTGGGGAGAAGATGACTAGTCATTACAATTTA

10,030

TIA1

TIA1-205

TIA1-205

GGAAGGTTTCTCATCCCCTGTAAGCATTCAAAACAACCTGATAATTTACCTATAACTTTTTCAAAAATGTGTTTCATTGCATAACCA
CCTTCCAAAAGAGTAGGGTGACATTCGTAAGTTTTGTTGACTATTAAATGGATATTGAAAAGTTTTTACACAAGTAACGTATTGGT

10,115

TIA1

TIA1-205

TIA1-205

AAGTCTACCTAAATTGAACAAATAAGGGAAATAATGTTAATTTAAAAATTGGGGGTACCAGCCTGGCCAATATGGTGAAACCCCG
TTCAGATGGATTTAACTTGTTTATTCCCTTTATTACAATTAATTTTTAACCCCATGGTCGGACCGGTTATACCACTTTGGGGC

10,200

TIA1

TIA1-205

TIA1-205

TCTCTACCAAAAATATAAAAAAATTAGCTGGGCGTGTTGGCGGGCGCCTGTAGCCCCAGCTACGTGGGTGGCTGAGGCAGGAGAA
AGAGATGGTTTTTATATTTTTTAAATCGACCCGCACCACCGCCCGGGACATCGGGGTCGATGCACCCACCGACTCCGTCCTCTT

10,285

TIA1

TIA1-205

TIA1-205

TCAC TTGAACCTGGGAGGTGGAGGTTGCAATGAGCCGAGATCGCACCCTGCACTCCAGCCTGGGCGACAGAGAGAGACTTTGTC
AGTGAACTTGGACCCTCCACCTCCAACGTTACTCGGCTCTAGCGTGTTGACGTGAGGTCGGACCCGCTGTCTCTCTGAAACAG

10,370

TIA1

TIA1-205

TIA1-205

CACAAAAAAAAAAAAAAAAAAAAAAAAAACTTGGGGGAACGTCAATGTTCTTAGTAGTAGTAATACCATAGAAGTAGAAATAAT
GTGTTTTTTTTTTTTTTTTTTTTTTTTTTGAACCCCTTGCAGTTACAAGAATCATCATCATTATGGTATCTTCATCTTTATTA

10,455

TIA1

TIA1-205

TIA1-205

TGCAATGCCTTTTAGGTTTGATGGTATACATTTTTTTTTTAAATTGAGATGGAGTCTCGCTCTGTTGCCCAAGCTGGAGTGCAGT
ACGTTACGGAAAATCCAACTACCATATGTAAAAAAAAAAATTA ACTCTACCTCAGAGCGAGACAACGGGTTTCGACCTCACGTCA

10,540

TIA1

TIA1-205

TIA1-205

GGCACCATCTCGGCTCACTGCAAGTTCGCTCTCCAGGTTACGCGGTTCTCCTGCCTCAGCCTCCCGAGTAGCCGGGACTACAG
CCGTGGTAGAGCCGAGTGACGTTCAAGGCAGAGGGTCCAAGTGCGGCAAGAGGACGGAGTCGGAGGGGCTCATCGGCCCTGATGTC

10,625

TIA1

TIA1-205

TIA1-205

GCGCCACCACCACGCCAGCTAATTTTTTATTTTTTATTAGAGACGAGGTTTCATCGTGTTAGCCAGGATGGTCTTGATCTCC
CGCGGGTGGTGGTGCGGGTCGATTAATAAATAATAAATAATCTCTGCTCCAAAGTAGCACAATCGGTCCTACCAGAAGTAGAGG

10,710

TIA1

TIA1-205

TIA1-205

TGACCTCGTGATCCGCCCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCGCACCCAGCCTTTTTTTTTCTTTT
ACTGGAGCACTAGGCGGGTGGAGCCGGAGGGTTTACGACCCTAATGTCCGTACTCGGTGGCGTGGGTCGGAAAAAAAAAAGAAA

10,795

TIA1

TIA1-205

TIA1-205

TAAAGACAGTCTTGCTCCGTCACCCAGGCTGGAGTGCAGTGGCGTGATCGGGGCTCGTTGCAACCTCTGCCTCCTGGGTTCAAGC
ATTTCTGTGTCAGAACGAGGCAGTGGGTCCGACCTCACGTACCCGCACTAGCCCCGAGCAACGTTGGAGACGGAGGACCCAAAGTTCG

10,880

TIA1

TIA1-205

TIA1-205

AATTCTCATGCCTCAGCCGTCCCCAGTAGCTGGGATTACAGGCAGGCGCCACCACGCCCGGCTAATTTTTGTGTTTTTAGTAGA
TTAAGAGTACGGAGTCGGCAGGGGGTTCATCGACCCTAATGTCCGTCCGCGGTGGTGCGGGCCGATTAAAAACACAAAAATCATCT

10,965

TIA1

TIA1-205

TIA1-205

GAAGGGGTTTCACTGTGTTGGCCAGGCTGGTATCAAACCTCTGCCTCAAGTGATCCTCTCTCCTCAGCCTCCCAAAGTGCTGGGA
CTTCCCCAAAGTGACACAACCGGTCCGACCATAGTTTTGAGGACGGAGTTCCTAGGAGAGAGGAGTCGGAGGGTTTCACGACCCT

11,050

TIA1

TIA1-205

TIA1-205

TTACAGGTGTGAGCCACCTCGCCCAGCCATTATTGTATAAGATATTTTATATAACTAATGATGATTCATTTGAGTGTTTTTAAAG
AATGTCCACACTCGGTGGAGCGGGTCGGTAATAACATATTCTATAAAATATATTGATTACTACTAAGTAAACTCACAAAAATTC

11,135

TIA1

TIA1-205

TIA1-205

CTTGCTCTCCTAAGGTAAGCCTGGAAACGTAGAAACAAGCAATCAGTTTGCAAAACGATGACTAAAACAGACAAGCACATACTAG
GAACAGAAGGATTCCATTCCGACCTTTGCATCTTTGTTTCGTTAGTCAAACGTTTTGCTACTGATTTTGTCTGTTTCGTGTATGATC

11,220

TIA1

TIA1-205

TIA1-205

CTTCCCTTCACTAGCAAGGTGTAATATATTTTTCTTTTTGAGACATAGTCTCACTCTGTTGCCAGGCTGGAGTGCAGTGGTGC
GAAGGGGAAGTGATCGTTCCACATTATATAAAAGAAAAAATCTGTATCAGAGTGAGACAACGGGTCCGACCTCACGTACCCAG

11,305

TIA1

TIA1-205

TIA1-205

AACCTCAGCTAACCCAGCCTCTGCCTCCTGGGTTCAAGTGATTCTCCTGCCTCAGCCTCCCAAGTAGCTGGGTTTACAGATGTGC
TTGGAGTCGATTGGGTCCGAGACGGAGGACCCAAGTTCCTAAGAGGACGGAGTCCGAGGGTTCATCGACCCAAATGTCTACACG

11,390

TIA1

TIA1-205

TIA1-205

ACCACCATGCCTGGCTAATTTTTGTGTTTTTAGTAGAGACAGGGTTTTACCATGTTTACCAGGCTGGTCTCAACTCCTGGCCTCA
TGGTGGTACGGACCGATTAAAAACACAAAAATCATCTCTGTCCCAAAGTGGTACAAATGGTCCGACCAGAGTTGAGGACCGGAGT

11,475

TIA1

TIA1-205

TIA1-205

GGTGATCTTCCCACCTTGGCTTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCACACCTAGCTAATATATTTTTCAAATAACAT
CCACTAGAAGGGTGGAAACCGAAGGGTTTCACGACCCTAATGTCCGCACTCGGTGGTGTGGATCGATTATATAAAAAGTTTATTGTA

11,560

TIA1

TIA1-205

TIA1-205

ACTTTACATCTGTTTTCAAAGAGATTTTTGAAGTGTTGGCAAACCTTTTAAAAGTTACTCCCAAATATTATAGTTTTAAGGCAAAGAT
TGAAATGTAGACAAAAGTTTCTCTAAAACCTTCAACAACCGTTTGAAAATTTTCAATGAGGGTTTATAATATCAAATTCGGTTTCTA

11,645

TIA1

TIA1-205

TIA1-205

CTGCCTATTTCTCAAGTTTAATTTTTAATGAACAACCTTTAGAAAACCGATGGAGAATAAGCAAATTA AAAATGGTAAATCAAGGGC
GACGGATAAAGAGTTCAAATTA AAAATTA ACTTTGTTGAAATCTTTGGCTACCTCTTATTCTGTTTAATTTTTACCATTTAGTTCCCG

11,730

TIA1

TIA1-205

TIA1-205

TGGGCACAATGCCTCATGCCTGTAATCTTTAAGATTACACTTTGGGAGGCCAAGGCAGGCAGATCGCTTGAACCCAGGAGTTTGA
ACCCGTGTTACGGAGTACGGACATTAGAAATTTCTAATGTGAAACCCCTCCGGTTCGGTCCGTCTAGCGAACTTGGGTCCTCAAACCT

11,815

TIA1

TIA1-205

TIA1-205

GACCAGCTCAGCAACATGGTGAAACGCCTTCTCTACAGAACTGTAAAAAATTAGCCAGATATGATGGCACACGCCTGTGGTCC
CTGGTCGAGTCGTTGTACCACTTTGCGGAAGAGATGTCTTTGACATTTTTTTAATCGGTCTATACTACCGTGTGCGGACACCAGG

11,900

TIA1

TIA1-205

TIA1-205

CAGCTACTTGGGAGGCTGAAGTGGGAGAATCCCTTGTGCCCAAGGAGGTGGAGATTGTAGTGAGCCAAGATTGCGCCACTACACTC
GTCGATGAACCCCTCCGACTTCACCCCTTAGGGAACACGGGTCTCCACCTCTAACATCACTCGGTCTAACGCGGTGATGTGAG

11,985

TIA1

TIA1-205

TIA1-205

TAGTCTGGGGCAACCCAGAAGACCTTGTCTGAAAAAAAAATAAATTGAGGTAATTTGAGCTGGGTGTGGTGGTTCTCTAGTCCGT
ATCAGACCCGTTGGGTCTTCTGGAACAGACTTTTTTTTTTATTTAACTCCATTTAACTCGACCCACACCACCAAGGAGATCAGGCA

12,070

TIA1

TIA1-205

TIA1-205

TACTCAGGGGACCAAGGCAGTAGGTTTGTCTGAGGCCAGGAGTTTGTAGAGCAGCCTGAGCAATATAGCCAGACTATTTCTCTTAA
ATGAGTCCCCTGGTTCGTCATCCAAACGAACTCCGGTCTCAAACCTCTCGTCGGACTCGTTATATCGGTCTGATAAAGAGAATT

12,155

TIA1

TIA1-205

TIA1-205

AAAAAAAAACC GGGTGCAGTGGCTCACACCTGTAATTT CAGCACTTTGGGAGGCTGAAGCAGGC GGGTCACTGAGGTCAGGAGT
TTTTTTTTTGGCCACGTCACCGAGTGTGGACATTAAGTTCGTGAAACCTCCGACTTCGTCCGCCACAGTGGACTCCAGTCTCTCA

12,240

TIA1

TIA1-205

TIA1-205

TGGAGACCAGCCTGACCAACATGGAGAAACCCCGTCTCTACTAAAAATACAAAATTAGCTGGGTGTGGTACGCATGCCTGTAAT
ACCTCTGGTCGGACTGGTTGTACCTCTTTGGGGCAGAGATGATTTTTATGTTTTAATCGACCCACACCAGTGCCTACGGACATTA

12,325

TIA1

TIA1-205

TIA1-205

CCCAGCTACTCGGGGAGGCTGAGGCAGGGGAATCACTTGAACCTTGGAGGCGGAGGTTGTGGTGTAGCCGAGATCGTGCCATTGCA
GGGTTCGATGAGCCCTCCGACTCCGTCCCTTAGTGAACCTTGGGACCTCCGCCTCCAACACCACTCGGCTCTAGCACGGTAACGT

12,410

TIA1

TIA1-205

TIA1-205

CTCTATCCTGGGCAACAAGAGTGAACTCTGTCTCAAAAAAAAAAAGGTAAATTGTTTCTCTTTGTGTTTCAGATACGTCGGT
GAGATAGGACCCGTTGTTCTCACTTTGAGACAGAGTTTTTTTTTTTTTCCATTTAACAAAGAGAAACACAAAGTCTATGCAGCCA

12,495

TIA1

TIA1-205

TIA1-205

10
Y V G
ENSE0000364...

AACCTTTCCAGAGATGTGACAGAAGCTCTAATTCTGCAACTCTTTAGCCAGATTGGACCTTGTAAAACTGCAAAATGATTATGG
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

ATGTAAGGGTATTTTACTTAGTTAACTTTATTCTTTTTTTTTTTTACACATTACTTAAAGCCATTGCTTGGAAAGGAATTCTTAGTT
TACATTCCCATAAAAATGAATCAATTTGAAAATAAGAAAAAAAAAAAAATGTGTAATGAATTTTCGGTAACGAACCTTCCTTAAAGAATCAA

12,665

TIA1

TIA1-205

D

TIA1-205

TACCATGGTCTAAATATAGTATAAATTATTAGTTTACTGTAGTCTAAATATAGTCTTAGTTTACCATATTCTAAGTTAATAGGGA
ATGGTACCAGATTTATATCATATTTAATAATCAAATGACATCAGATTTATATCAGAATCAAATGGTATAAGATTCAATTATCCCT

12,750

TIA1

TIA1-205

TIA1-205

TTTTAGTGAATTTGTAATGAACCTGTTTTGACAGCTGAATTTAATTTGTTTTATTACATGATGGAAGATGACAATAGAACTAGTT
AAAATCACTTAAACATTACTTGGACAAAACGTGCGACTTAAATTAACAAAATAATGTACTACCTTCTACTGTTATCTTGATCAA

12,835

TIA1

TIA1-205

TIA1-205

ATTTCTAGATCAGATGGGAACATATATATGGGCTCTTTCAGGTGCATTGAGGCATCAGAAAATGTTTATATGTGGTGTCAACTGGT
TAAAGATCTAGTCTACCCTTGTATATATACCCGAGAAAAGTCCACGTAACCTCCGTAGTCTTTACAAATATACACCACAGTTGACCA

12,920

TIA1

TIA1-205

TIA1-205

TGGCTAATAAATTCAGCTCTTACAATTAATTTGGAAAACAGGTTTTAAAAATAATAGGCATTTGGTACAGTGAAAAGTATTTTTAAC
ACCGATTATTTAAGTCGAGAATGTTAATTTAACCTTTTGTCCAAATTTTTATTATCCGTAAACCATGTCACCTTTCATAAAAAATTG

13,005

TIA1

TIA1-205

TIA1-205

TTTATTTTTAAAGGTCATCATTCAAGTTTTTCTTGTATTTAGGCAATTCCTATTTATGAGACAATGTATTAACACACACACATA
AAATAAAAAATTTCCAGTAGTAAGTTCAAAAAGAACATAAATCCGTTAAGGATAAATACTCTGTTACATAATTTGTGTGTGTGTAT

13,090

TIA1

TIA1-205

TIA1-205

CACACACACACACACACACACACACTCATTTCATCTAATTGGTGTTAACCCTGAATCATAATAGGTATAAAAAGACATTTAG
GTGTGTGTGTGTGTGTGTGTGTGTGTGTGAGTAAGTAGATTAACCACAATTTGGGACTTAGTATTATCCATATTTTTCTGTAAATC

13,175

TIA1

TIA1-205

TIA1-205

GGAACATTTACCCCATTTCCCTGGAGTCTTTGTCTCCTGGTTGGGGGGAAAAAGACTTTAAATTTTTTTTTTGAGACGGAGTTTTGTC
CCTTGTAATGGGGTAAAGGGACCTCAGAAACAGAGGACCAACCCCTTTTCTGAAATTTAAAAAAAACCTCTGCCTCAAAACG

13,260

TIA1

TIA1-205

TIA1-205

TCTTGTGGCCAGGCTGGAATACAATGGTGCGATCTCGGCTCGCTGCAACCTCCGCCTCCCGGGTTCAAGCAATTCTTCTGGCTC
AGAACAACGGGTCCGACCTTATGTTACCACGCTAGAGCCGAGCGACGTTGGAGGCGGAGGGGCCAAGTTCGTTAAGAAGACCGAG

13,345

TIA1

TIA1-205

TIA1-205

AGCCTCCCAAGTAGCTGGGATTACAGGCATGCGCCACTACACCTGGCTAATTTTGTATTCTTAGTAGAGATGGGGTTTCTCCATG
TCGGAGGGTTCATCGACCCTAATGTCGGTACGCGGTGATGTGGACCGATTAAAACATAAGAATCATCTCTACCCCAAAGAGGTAC

13,430

TIA1

TIA1-205

TIA1-205

TTGGTCAGGCTGGTTTTAGAACTCCCGACCTCAGGTGATCCACCTGTCTTGGCCTCCCAAAGTACTGGGATTACAGGTATGAGCCA
AACCAGTCCGACCAAATCTTGAGGGCTGGAGTCCACTAGGTGGACAGAACCAGGGGTTTCATGACCCTAATGTCCATACTCGGT

13,515

TIA1

TIA1-205

TIA1-205

CTGTACCTGGCCTAAATTTTTTAATGGGAAAGGCTATGTTAAAGAGAAATCCTTTTGTC CATGGTCTCTCTTTTCTGTAAACTT
GACATGGACCGGATTTAAAAAATTACCCTTTCCGATACAATTTCTCTTTAGGAAAACAGGGTACCAGAGAGAAAAGACATTTGAA

13,600

TIA1

TIA1-205

TIA1-205

TTCGTTTGTGTGTGTGTGTGTCTTGAAAGACAGGGTCTTGGTATAGCCATTGCACCCAGCCTGCTATAAACTTTTCAG
AAGCAAAACAAAACAAAACAAAACAAAACAGA ACTTTCTGTCCCAGAACCATATCGGTAACGTGGGTCGGACGATATTTGAAAAGTC

13,685

TIA1

TIA1-205

TIA1-205

TTTTCTTTTCTCCAGAAAAGACAATCATGTATGTGTGTATGTGTATCTGTTACCTTCTTTTCTGTTGTATTCCAGTTCAACTTTT
AAAAGAAAAGAGGTCTTTTCTGTTAGTACATACACACATACACATAGACAATGGAAGAAAAGGACAACATAAGGTCAAGTTGAAAA

13,770

TIA1

TIA1-205

TIA1-205

TTTTACTTAATATTTTTAAAAAGTAATTATTTAGCCGGGCACAGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGGCCGAGGCA
AAAATGAATTATAAAAAATTTTCATTAATAAATCGGCCCGTGTACCGAGTGTGGACATTAGGGTCGTGAAACCCTCCGGCTCCGT

13,855

TIA1

TIA1-205

TIA1-205

GGCAGATCATGAGGTCAGGAGTTTCGAGACTAGCCTGACCAACATGGCGAAACCCCGTCTCTACTAAAAATACCAAAATTAGCCGG
CCGTCTAGTACTCCAGTCCCTCAAGCTCTGATCGGACTGGTTGTACCGCTTTGGGGCAGAGATGATTTTTATGGTTTTAATCGGCC

13,940

TIA1

TIA1-205

TIA1-205

ACATGGTGGCAAGCGCCTGTAATCCCAGCTACTCAGGAGGCTAAGGCAGTAGAATTGTTTGAACCCAGGAGGCCAAGGTTGCAGT
TGTACCACCGTTTCGCGGACATTAGGGTCGATGAGTCCCTCCGATTCCGTCACTTAACAAACTTGGGTCCCTCCGCTTCCAACGTCA

14,025

TIA1

TIA1-205

TIA1-205

GAGCCGAGATTGCACCATTGCACTCCAGCCTGGGCGACAGAGGGGAGACTGTCTCAAAAAATATATATTTATCCAATTGGCTTTGAT
CTCGGCTCTAACGTGGTAACGTGAGGTCGGACCCGCTGTCTCCCTCTGACAGAGTTTTTATATATAAATAGGTTAACCGAACTA

14,110

TIA1

TIA1-205

TIA1-205

TTGTTGTCTTAGATCTTAAAAATGTTGTGACACCTTTGTTCTGATGCTGCAAAATCATCTGCATATTATATAGATGAAATCAACAA
AACAAACAGAATCTAGAATTTTACAACAGTCTGGAAACAAGACTACGACGTTTTAGTAGACGTATAATATATCTACTTTAGTTGTT

14,195

TIA1

TIA1-205

TIA1-205

AGAGTTATGTTCTTTTATTCTATCACATTTAATATCGGTATGCCTTTGGATAAAGGAGAAAAAATCCATGTACCCATAGAGAAAG
TCTCAATACAAGAAAAATAAGATAGTGTAAATTATAGCCATACGGAAACCTATTTTCTCTTTTTTAGGTACATGGGTATCTCTTTC

14,280

TIA1

TIA1-205

TIA1-205

ACAGGAGGGAAAGATGGGGAAAGATGAAGAGAAATTTAAACCAGTCTTTCCTTAATCTAGATCTCCTTACTTATCCCAATGGTA
TGTCCCTCCCTTTCTACCCCTTTCTACTTCTCTTTAAATTTTGGTCAGAAAGGAATTAGATCTAGAGGAATGAATAGGGTTACCAT

14,365

TIA1

TIA1-205

TIA1-205

GCATTTATGGAAAATTTGCTGCCTGTCAGTTACTTTAATACATTGTCATAAATGCTCAATAGAAACATAAAGAAGGTGTTATTTT
CGTAAATACCTTTTAAACGACGGACAGTCAATGAAATTATGTAACAGTATTTACGAGTTATCTTTGTATTTCTTCCACAATAAAA 14,450

TIA1

TIA1-205

TIA1-205

CATTTTCATGTATGAGGAAATGAGGCAAAGCAAGGCTGTAACCCCTAATTGATTTATCCGAATATAAATCTTCTCTGTTGGTTTTGC
GTAAAGTACATACTCCTTTACTCCGTTTCGTTCCGACATTTGGGATTAATAAATAGGCTTATATTTAGAAGAGACAACCAAACG 14,535

TIA1

TIA1-205

TIA1-205

CTGCTGCTACTCTCTCTCTGGCTGGTCATATGTTTTCCCTGGGGAAAGATCATTAGACAAAACGTTAATGATTGCCTTGGCTACAG
GACGACGATGAGAGAGAGACCGACCAGTATACAAAGGGACCCCTTTCTAGTAATCTGTTTTGCAATTACTAACGGAACCGATGTC 14,620

TIA1

TIA1-205

TIA1-205

AAAAAACCCAGGTTAGCCTTTGCCACTTTTTATCATTTGTGGATTCTGATCGCTCAAAAGCTTAGATTTTTATTATTCAAATCTAA
TTTTTTGGTCCAATCGGAAACGGTGAAAAATAGTAAACACCTAAGACTAGCGAGTTTTTCGAATCTAAAAATAATAAGTTTAGATT 14,705

TIA1

TIA1-205

TIA1-205

ATTCCAGTCTGTTACATTCTGAGACTAATGTTACATTTATAAATTTTATGCTCCCTGGACTGATAATATGTATATATGCTTCG
TAAGGTCAGACAAGTGTAAGACTCTGATTACAAGTGTAATATTTAAAAATACGAGGGACCTGACTATTATACATATATACGAAGC 14,790

TIA1

TIA1-205

TIA1-205

ATTCTTATTTAAAAAGTTAGTTTTTTCTGCATATAAATTAAGTAAAGCATATTCTTTTTCATTTTTTACTCTTAAATGCAAGTG
TAAGAATAAATTTTTCAATCAAAAAAGACGTATATTTAATTCATTTTCGTATAAGAAAAAGTAAATAAATGAGAATTTACGTTTAC 14,875

TIA1

TIA1-205

TIA1-205

ACTTTTTCTTTTTTTTTTTTTTTAGACAGAGTCTCACTCTGTTGCCAGGCTGGAGTGCAATGGCATGATCTCAGCTCACTGCAAAC
TGAAAAAGAAAAAATAAATCTGTCTCAGAGTGAGACAACGGGTCCGACCTCACGTTACCGTACTAGAGTCGAGTGACGTTTTG 14,960

TIA1

TIA1-205

TIA1-205

TCTGCCTCCCAGGTTCAAGCTATTCTCCTGCCTCAGCCTCCTAAGTAGCTGGGATTACAGGCATGCGCCACCACACCTGGCTAGT
AGACGGAGGGTCCAAGTTCGATAAGAGGACGGAGTTCGGAGGATTTCATCGACCCTAATGTCCGTACGCGGTGGTGTGGACCGATCA

15,045

TIA1

TIA1-205

TIA1-205

TTTCGTATTTTCAGTAGAGACAGGGTTTCACCATGTTGGCCAGGTGGTCTTGATCTCCTGATGTCATGATCCGCCACCCAGCT
AAAGCATAAAAAGTCATCTCTGTCCCAAAGTGGTACAACCGTCCACCAGAAGTACAGGACTACAGTACTAGGCGGGTGGGGTTCGA

15,130

TIA1

TIA1-205

TIA1-205

TCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCACAGCCAGCCGCAAGTGACTTTTTCTAACTTCATTTTCAGTGTTCCTGTCA
AGGGTTTCACGACCCTAATGTCCGCACTCGGTGGTGTTCGGTTCGGCGTTCACTGAAAAAGATTGAAGTAAAGTCACAACGGACAGT

15,215

TIA1

TIA1-205

TIA1-205

GCATTGATCTTGGTAATAGAATTCCCATTTGTGTTTTATTAGTTTGAGTTATATAACATTTTTATTCTCTAATTTTTTTAGACAAA
CGTAACTAGAACCATTATCTTAAGGGTAACACAAAATAATCAAACCTCAATATATTGTAAAAATAAGAGATTAAAAAATCTGTTT

15,300

TIA1

TIA1-205

TIA1-205

ATATAGTCCCAATATATTAACCTTTGTCTTGGCCTCGTTGCTTTAAAATTTTTACAAGTCATTGCCAGTGACTCTCAAACCTATTA
TATATCAGGGTTATATAATTTGAAACAGAACC GGAGCAACGAAATTTTTAAAAATGTTTCAGTAACGGTCACTGAGAGTTTGATAAT

15,385

TIA1

TIA1-205

TIA1-205

ATTGTTGATGTGCACAGTGACTGATGCCTGTAATCCCAACACTTTGGGAGGCAGAGGCTGGAGGATCACTTGAGCCCAGGAATTT
TAACAACCTACACGTGTCACTGACTACGGACATTAGGGTTGTGAAACCCTCCGTCTCCGACCTCCTAGTGAACCTCGGGTCTTAAA

15,470

TIA1

TIA1-205

TIA1-205

GAGACCAGCCTGGGCAACATAACAAGACCACATCTCTAAAAAAAATTAATTAAGTACTTGAAATAAAATTGTATATTCCTCT
CTCTGGTTCGGACCCGTTGTATTGTTCTGGTGTAGAGATTTTTTTAATTAATTGACATGAACTTTATTTTAAACATATAAGGAGA

15,555

TIA1

TIA1-205

TIA1-205

ATTTTAGTAGCTTTCTAGTCTTTTGAATTAGTTTTTTATTTTAAACAAATCTGTTTAGGAGGCTATGGAAAGAATTTTAAAATGGC
TAAAATCATCGAAAGATCAGAAAACCTTAATCAAAAAATAAAATTGTTTAGACAAATCCTCCGATACCTTTCTTAAAATTTTACCG

15,640

TIA1

TIA1-205

TIA1-205

CTATAATGTCATTTGATATTTTGCACCTGTAGGTGTAAAAATTGGAATTTTTCTGCTACTTGAATTTATAATTAACATCCAGG
GATATTACAGTAAACTATAAAACGTGACATCCACATTTTTAACCTTAAAAAAGACGATGAACTTAAATATTAATTTGTAGGTCC

15,725

TIA1

TIA1-205

TIA1-205

TTCTATTTATCACATAGCCTCACCTACCTGGAACACCAGCAGAAAAGGGAAGTTTTGTTTTTTTTTTTGGAGACAGAGTCTCGCTG
AAGATAAATAGTGTATCGGAGTGGATGGACCTTGTGGTCGTCTTTCCCTTCAAAAACAAAAAATACTCTGTCTCAGAGCGAC

15,810

TIA1

TIA1-205

TIA1-205

TGCGCCCAGACTGGAATCCAGTGGCACCATCTTGGCTCACTGCAACGTCCCCCTCCTGAGTTCAAGCGAATCTCCTGCCTCAGCC
ACGCGGGTCTGACCTTAGGTACCCGTGGTAGAACCGAGTGACGTTGCAGGGGGAGGACTCAAGTTCGCTTAGAGGACGGAGTCGG

15,895

TIA1

TIA1-205

TIA1-205

TCCGAGTAGATGGGATTACAAGCACACGCCACCACACCCAGCTGATTTTTGTATTTTTAGTAGAGATGAGGTTTCACCATTTTG
AGGGCTCATCTACCCTAATGTTTCGTGTGCGGTGGTGTGGGTCGACTAAAAACATAAAAAATCATCTCTACTCCAAAGTGGTAAAAC

15,980

TIA1

TIA1-205

TIA1-205

GCCAGGCTAGTCTCGAACTCCTGACCTCAGGTGATCCACCTGCCTCATCCTCCCAGAGTGCTGAGATTACAGGCATGAGCTACTG
CGGTCCGATCAGAGCTTGAGGACTGGAGTCCACTAGGTGGACGGAGTAGGAGGGTCTCACGACTCTAATGTCCGTA CTGATGAC

16,065

TIA1

TIA1-205

TIA1-205

TGCCCGGCCAAGGGAAGATAATTGGAGACAGAGTTTCACTCTTGTTGCCAGGC
ACGGGCCGGTTCCTTCTATTAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAATCTGTCTCAAAGTGAGAACAACGGGTCCG

16,150

TIA1

TIA1-205

TIA1-205

TGGAGTGCAATGGCGCAATCTCGGCTCACCACAACCTTCGCCTCCAGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCGAGTAGC
ACCTCACGTTACC CGCTTAGAGCCGAGTG GTGTTGGAAGCGGAGGTCCCAAGTTTCGCTAAGAGGACGGAGTCGGAGGGCTCATCG

16,235

TIA1

TIA1-205

TIA1-205

TGGGATTACAGGCATGCACCACCACGCCCGGCTAATTTTTGTATTTTTAGTAGAGACAGGGTTTTACCATGTTGGTCAGGCTGGTC
ACCCTAATGTCCGTACGTGGTGGTGCGGGCCGATTA AAAACATAAAAATCATCTCTGTCCCAAAGTGGTACAACCAGTCCGACCAG

16,320

TIA1

TIA1-205

TIA1-205

TCAAACCTCCTGACCTCAGGTGATCAGCCACCTTGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCATCATGCCTGGCTGGG
AGTTTGAGGACTGGAGTCCACTAGTCGGGTGGAACCGGAGGGTTTTACGACCCTAATGTCCACACTCGGTAGTACGGACCGACCC

16,405

TIA1

TIA1-205

TIA1-205

AAGATAATTTTTTTCTTTTTCTTTTTCTTTTTTTTTTTTTTTTTGAGACAGAGTCTCGCTCTGTCGCCCAGGCTGGAGTGCA
TTCTATTAAAAAAGAAAAAGAAAAAGAAAAA AAAAAAAAAAAAAAAAAAACTCTGTCTCAGAGCGAGACAGCGGGTCCGACCTCACGT

16,490

TIA1

TIA1-205

TIA1-205

GTGGTGCAATCTCGGCTCACTGCACACTGCAAGCTCCGTCTCCTGGGTTACGCCATTCTCCTGCCTTAGCCTCCTGAGTAGCTG
CACCACGTTAGAGCCGAGTGACGTGTGACGTTTCGAGGCAGAGGACCCAAGTGCGGTAAGAGGACGGAATCGGAGGACTCATCGAC

16,575

TIA1

TIA1-205

TIA1-205

GGACTACAGGCGCCCGCCACCAGGCCCGGCTAATTTTTGTATTTTTAGTAGAGACGGGGTTTTACCGTGCTAGCCAGGATGGTG
CCTGATGTCCGCGGGCGGTGGTCCGGGCCGATTA AAAAACATAAAAATCATCTCTGCCCAAAGTGGCACGATCGGTCTTACCAC

16,660

TIA1

TIA1-205

TIA1-205

TCGATCTCCTGACCTCATGATCCGCCTGCCTCGGCCTCTCGAAGTGCTGGGATTACAGGCATGAGCCACTGCGCCTGGCGGGAAG
AGCTAGAGGACTGGAGTACTAGGCGGACGGAGCCGGAGAGCTTACGACCCTAATGTCCGTACTCGGTGACGCGGACCGCCCTTC

16,745

TIA1

TIA1-205

TIA1-205

ATAATTTTTTAAAGGCTTCTGAGCAAGCAAAAAATTGATGTCAGAAAGTTCACATTCTAAAACTTATTCTAAAAATTTACTTACC
TATTAATAAATTTCCGAAGACTCGTTTCGTTTTTAACTACAGTCTTTCAAGTGTAAGATTTTGAATAAGATTTTAAAATGAATGG

16,830

TIA1

TIA1-205

TIA1-205

AGAGAATCTCTTCAGTTTTTCAGAGCCTATTTACCTATATTTTTAAAACAGGTTTAAGAAGGTTGGCTAAGATTTTCTGCTACTCAG
TCTCTTAGAGAAGTCAAAAAGTCTCGGATAAATGGATATAAAAATTTGTCCAAATTCCTCCAACCGATTCTAAAAGACGATGAGTC

16,915

TIA1

TIA1-205

TIA1-205

CAAGCTAGTAGCAGCAAGGAGCAATGTACATTTGTAGCAGTAAAAAGTAACTTATAACAGGGAGGGGATAGAAAAATCATAAAAA
GTTTCGATCATCGTTCCTCGTTACATGTAAACATCGTCATTTTTTCATTGAATATTGTCCCTCCCTATCTTTTTAGTATTTTT

17,000

TIA1

TIA1-205

TIA1-205

GCCGAAGTGAGACTTCAGAACTTAGGAGTTCAGTCAAACCTTAATCTGTGTAGCTTGAACAAATGGTTATATGATGATGGGGTATG
CGGCTTCACTCTGAAGTCTTGAATCCTCAAGTCAGTTTGAATTAGACACATCGAACTTGTTTACCAATATACTACTACCCCATAC

17,085

TIA1

TIA1-205

TIA1-205

TGTAGCTATATATCCAGTTAGGATACCTAGTCATTAATATTTAAATTATAGTACTATAGTATAACCTGTTGAAGAAAAATAGCTATG
ACATCGATATATAGGTCAATCCTATGGATCAGTAATTATAATTTAATATCATGATATCATATTGGACAACCTTCTTTTATCGATAC

17,170

TIA1

TIA1-205

TIA1-205

TATAAAGCAGTGTGATTTTAAGTGTGTTTTGCTTTTTTTTTTTACTTTTTTAATTATTTTAGAGACAGGATCTTGCTGTGTTGCCCA
ATATTTTCGTCACTAAAATTCACAAACGAAAAAAAAAAAAATGAAAAATTAATAAAATCTCTGTCTAGAACGACACAACGGGT

17,255

TIA1

TIA1-205

TIA1-205

GGCTGGATTCAAACCTCCTGGGCTCAAGCATTCCCTCCACCTCAGCCTCCTAAAGTAGCTGGGACTACAGGAGCTGGCTGTTTACT
CCGACCTAAGTTTGAGGACCCGAGTTCGTAAGGAGGGTGGAGTCGGAGGATTTTCATCGACCCTGATGTCTCGACCGACAAATGA

17,340

TIA1

TIA1-205

TIA1-205

TTTTTGTGGTTTGTGGTTTGGAGACGGAGTCTTGCTCTGTGCGCCAGGCTGGAGTGCAGTGGCGCAGTCTCAGCTTACTGCAACCT
AAAAACAACAAACAAAAAATCTGCCTCAGAACGAGACAGCGGGTCCGACCTCACGTACCCGCGTCAGAGTCAATGACGTTGGA

17,425

TIA1

TIA1-205

TIA1-205

CCACCTCCCGGGTTCAAGCAATTCTCCTGCCTCAGCCTCCCGAGTAGGTGGGATTACAGGAGCCTGCCACCATGCCTGGTTAATT
GGTGGAGGGCCCAAGTTCGTTAAGAGGACGGAGTCCGAGGGCTCATCCACCCTAATGTCTCGGACGGTGGTACGGACCAATTAA

17,510

TIA1

TIA1-205

TIA1-205

TTTGTATTTTTTTTTAATAGAGACAGGGTTTTACCACGTTGGCCAAGTTGGTCTCAAACCTGCTGACCTCATGATCCACCTGCCTT
AAACATAAAAAAAAAATTATCTCTGTCCCAAAGTGGTGCAACCGGTTCAACCAGAGTTTGACGACTGGAGTACTAGGTGGACGGAA

17,595

TIA1

TIA1-205

TIA1-205

GGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCTCACCCAGCCTACTTTTTTAAATCTAAAATTTACTTGTGGAATAGAC
CCGGAGGGTTTACGACCCCTAATGTCCACACTCGGTGGAGTGGGTCGGATGAAAAAATTTAGATTTTTAAATGAACACCTTATCTG

17,680

TIA1

TIA1-205

TIA1-205

CATTCACTTCCATGGCCTGATAACTTAGATGTATAAACTTGGTTTAAAGATTTTTTTTTTTTACATAATTTAAGGTAATGGGTG
GTAAGTAAGAGGTACCGGACTATTGAATCTACATATTTTGAACCAAATTTCTAAAAAATTTAGATTTTAAATGAACACCTTATCTG

17,765

TIA1

TIA1-205

TIA1-205

AATAAAGCTTAAAATTTGGCTTTTGTGTTTCTTCTCCACAGACAGCTGGAAATGATCCCTATTGTTTTGTGGAGTTTTCATGAGCA
TTATTTTCGAATTTTAAACCGAAAAACAAAAAAGAGGGTGTCTGTGCGACCTTACTAGGGATAACAAAAACACCTCAAAGTACTCGT

17,850

TIA1

TIA1-205

T A G N D P Y C F V E F H E H
ENSE00003627817

TIA1-205

TCGTCATGCAGCTGCAGCATTAGCTGCTATGAATGGACGGAAGATAATGGGTAAGGTAAGCTGTCGTAATTAAGAAGGTGACTT
AGCAGTACGTGCGAGTGCATTAATCGACGATACTTACCTGCCTTCTATTACCCATTCCATTCGACAGCATTAAATTTCTTCCACTGAA

17,935

TIA1

TIA1-205

R H A A A L A A M N G R K I M G K
ENSE00003627817

TIA1-205

GCACTGAAAAAATTTAAGTTATATATGATTTTGTTCCTTTTGTAGAAACATTAAACACTTTTTTTTTTTTTTTGAGATGAAATTT
CGTGACTTTTTTAAATTCAATATATACTAAAAACAAAGGAAAAATCTTTGTAATTTGTGAAAAAAAAAAAAAAAAACTCTACTTTAAA 18,020

TIA1 >

TIA1-205 >

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TIA1-205

TGCCCTTGTTGCCCAATCTGGAGTGCAATGGCACAGTCTTGGCTCACTGCAACCTCTGCCTCCTGGGTTCAAGTGATTCTCCTGC
ACGGGAACAACGGGTTAGACCTCACGTTACCGTGTGAGAACCAGGTGACGTTGGAGACGGAGGACCCAAGTTCACTAAGAGGACG 18,105

TIA1 >

TIA1-205 >

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TIA1-205

CTCAGCCTCCCTAGTAGCTGGGATTACAGGAACGCACCACCACACCCAGCTAATTTTTCGTATTTTTAGTAGAAATGAGGTTTTCA
GAGTCGGAGGGATCATCGACCCTAATGTCCTTGCCTGGTGGTGTGGGTCGATTA AAAAGCATAAAAATCATCTTTACTCCAAAGT 18,190

TIA1 >

TIA1-205 >

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TIA1-205

CCATGTTAGCCAGACTGGTCTCAAACCTCTGACCTCAGGTGATCTGCCTGCCTCGGCTTCGCAAAGTGTTGGGATTATAGATGTG
GGTACAATCGGTCTGACCAGAGTTTGAGGACTGGAGTCCACTAGACGGACGGAGCCGAAGCGTTTTCAACCCCTAATATCTACAC 18,275

TIA1 >

TIA1-205 >

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TIA1-205

AGCCACCGCGCCTGGCTGAAACATTAAACACTTTATAGCAAAAAGGTCAGTTATTGACATATAATATTA AAAAGGTAGGATAAAGC
TCGGTGGCGCGGACCGACTTTGTAATTTGTGAAATATCGTTTTCCAGTCAATAACTGTATATTATAATTTTTCCATCCTATTTTCG 18,360

TIA1 >

TIA1-205 >

----- >

TIA1-205

TTTTAGAGGGCAGAGGCTTGTGTTTATGTTAGTATTTCTTTTCTTTTTTTTTTTTTTTGAGTTGGGCTTTTCTCTGTTGCCAG
AAAATCTCCCGTCTCCGAACACAAAATACAATCATAAAAAGAAAAGAAAAAAAAAAAAAAAAACTCAACCCAGAAAGAGACAACGGGTC 18,445

TIA1 >

TIA1-205 >

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TIA1-205

GCTGGAGTGCAGCGGCGGATCTCAGCTCACTGCAAGCTCTGCCTTCCGGGTTTCATGCCATTCTCCTGCCTCAGCCTCTGGAGTA
CGACCTCACGTCGCCGCGCTAGAGTCGAGTGACGTTTCGAGACGGAAGGCCCAAGTACGGTAAGAGGACGGAGTCGGAGACCTCAT 18,530

TIA1 >

TIA1-205 >

----- >

TIA1-205

GCTGGGACTACAGGCGCCCGCCACCACGCCTGACTAATTTTTTGTATTTTTAGTAGAAACAGGGTTTTACCGTGTTGGCCAGGAT
CGACCCTGATGTCCGCGGGCGGTGGTGCGGACTGATTAAAAAACATAAAAAATCATCTTTGTCCCAAAGTGGCACAACCGGTCCTA

18,615

TIA1

TIA1-205

TIA1-205

GGTCTCAGTCGCCTGACCTCATGATCCGATCTGCCCGTCTCGGCCTCCCAAAGTGTCTGCGATTACAGGCGTGAGCCACCGTCCCC
CCAGAGTCAGCGGACTGGAGTACTAGGCTAGACGGGCAGAGCCGGAGGGTTTTACGACGCTAATGTCCGCACTCGGTGGCAGGGG

18,700

TIA1

TIA1-205

TIA1-205

AGGTTTTTTTTGTTTTTTTTTTTTGAGATGGAATCTTGCTTTGTACCCAGGCTGGAGTGCAGTGGCACCATCTTGGCTCACTGCA
TCCAAAAAACAAAAAAACTCTACCTTAGAACGAAACAGTGGGTCCGACCTCACGTACCGTGGTAGAACCGAGTGACGT

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

TGGCCTCCGAAAGTGTCTGAGATTACAGACGTCAGCCAGCAGCCTATGTTAGTATTTTTCCATGGTGGATTGTACATGGTAAATAAC
ACCGGAGGCTTTACGACTCTAATGTCTGCAGTCGGTCGTCGGATACAATCATAAAAGGTACCACCTAACATGTACCATTTATTG

19,040

TIA1

TIA1-205

TIA1-205

AAAATATTTGCTGAATTACTCAAGCTTGGATGCTAATGGAAAAGAATGAAAGGAAAAAATAATATGGGTACTTTAGGTAGGAA
TTTTATAAACGACTTAATGAGTTCGAACCTACGATTACCTTTTCTTACTTTCTTTTTTTTATTATACCCATGAAATCCATCCTT

19,125

TIA1

TIA1-205

TIA1-205

AGGTTAATTGAATGATAACAGACACATAAAGATTAGGATTTGTCAACATTATTTGCCTAAATGTAGGTCAGAAGATTAAGTGTTG
TCCAATTAACCTTACTATTGTCTGTGTATTTCTAATCCTAAACAGTTGTAATAAACGGATTTACATCCAGTCTTCTAATTCACAAC

19,210

TIA1

TIA1-205

TIA1-205

AAACTTGACCAGAGCTGGTATCTCCTTCAGTGTTCATCTTAAACAGATATCTTCCTATGTGTTTATAGATACAAATGTGATTTT
TTTGAACCTGGTCTCGACCATAGAGGAAGTCACAAAGTAGAATTTGTCTATAGAAGGATACACAAATATCTATGTTTACACTAAAA

19,295

TIA1

TIA1-205

TIA1-205

GGGCTTTATTTTTGTGAAGTATAAATGTAGAAAATTTTTTTTTTTAGGAAGTCAAAGTGAATTGGGCAACAACCCCTAGCAGTCA
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

AAAGAAAATACAAAGCAGTAAGTATATTTTATGCTCTTTGAACATTTGTTTTTATTGTACCCAGTAGTTTTATTGTAAAGCCTAT
TTTCTTTCTATGTTTCGTCATTCATATAAAAATACGAGAAAATTTGTAACAAAAATAACATGGGTCATCAAAAATAACATTTTCGGATA

19,465

TIA1

TIA1-205

TIA1-205

90
K K D T S
ENSE00003605947

AAACATCATACATGTTTGCAGTAATGTTTTGATCGTTATCCTAAGATATGATTGAATGTGTTTGTGTTAATAAATTTAAGAACAA
TTTGTAGTATGTACAAACGTCATTACAAAACCTAGCAATAGGATTCTATACTAACTTACACAAACACAATTATTTAAATTCCTTGTT

19,550

TIA1

TIA1-205

TIA1-205

ATCTAATCTTTGTCATCAGGTAGTACCGTTGTCAGCACACAGCGTTTCAAGGTAATTGTATCTTCTTAAACATAAAAATGAAATC
TAGATTAGAAAACAGTAGTCCATCATGGCAACAGTCGTGTGTCGCAAGTGTTCCATTAACATAGAAGAATTTGTATTTTACTTTAG

19,635

TIA1

TIA1-205

TIA1-205

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

TCTTGAAAGGGTATTTCACTAACCACCTGAAGTTTTTTTGTGTTGATATTTGGGGGAGGGGGGGCGGGAGGAGATATTATTTCTATTT
AGAACTTTCCATAAGTGATTGGTGGACTTCAAAAAACAAACTATAAACCCCTCCCCCGCCCTCCTCTATAATAAAGATAAAA

19,720

TIA1

TIA1-205

TIA1-205

GTCTCTCTAGCAATACTTTTCTCCCTTCTCAGTGTTGACCAAGTATAACTTGTCCGCTACTTTGGTGCTAGTTCAAGCTTTCTGA
CAGAGAGATCGTTATGAAAAGAGGGGAAGAGTCACTGTTTCATATTGAACAGGCGATGAAACCACGATCAAGTTTCGAAAAGACT

19,805

TIA1

TIA1-205

TIA1-205

CCCGTTTGGTAGCAGCTGATGCCTTAGAACTACTTTACCAACTAAGGGGCAAAATACCCTCCTTTCTTGAGGTCACCATTTGGG
GGGCAAAACATCGTTCGACTACGGAATCTTGATGAAAAGTGGTTGATTCCCGTTTTATGGGAGGAAAGAAGTCCAGTGGTAAACCC

19,890

TIA1

TIA1-205

TIA1-205

CTTCATACCCAGATCTTCCAAATGCTTGAGTTGCTCCTCAAATTTGTTTCCCAAAGAGCAATCCAAATGTTGTTTAAAGCCTG
GAAGTATGGGTCTAGAAGGTTTACGAACTCAACGAGGAGTTTAAAACAAAGGGTTTCTCGTTAGGTTTTACAACAAATTCGGAC

19,975

TIA1

TIA1-205

TIA1-205

TCAAATATGGGTAACCTTTTCTTTCCAAATATGCTTTGTCAAATTTGATGTATGTGTCCATTTTAAAGTGTGGTCCAACAATTTTG
AGTTTATACCCATTGAAAAGAAAGGTTTATACGAAACAGTTTAACTACATACACAGGTAAAATTTACAACCCAGGTTGTTAAAAC

20,060

TIA1

TIA1-205

TIA1-205

CATTTTTAAAGTGTTTCTTTTTTTGATAATTGTCTTTTTTAAAACTTCAGATATGGGTTGGTTATTTCTCTCCAATGCTTTTTT
GTAAAAATTTCACAAAGAAAAAACTATTAACAGAAAAAATTTTTGAAGTCTATACCCAACCAATAAAGAGAGGTTACGAAAAAA

20,145

TIA1

TIA1-205

TIA1-205

AATGGTTCTGATATAAAGTGAAGGGATTACTGTTTTTCATTCTGTTGCCTTCAGTCTTAGTTCACTTGCACATGGATTACATAAA
TTACCAAGACTATATTTCACTTCCCTAATGACAAAAGTAAGACAACGGAAGTCAGAATCAAGTGAACGTGTACCTAAGTGTATTT

20,230

TIA1

TIA1-205

TIA1-205

CTGAATGGTGTAAATGTCTGGGCAACCAAACTGTTGGCTTTTGGAGAAAAGTGTCAAATACTTTAACATCAAACCTGTTGCAATGCA
GACTTACCACATTACAGACCCGTTGGTTTTGACAACCGAAAACCTTTTGCAGTTTATGAAATTGTAGTTTGGACAACGTTACGT

20,315

TIA1

TIA1-205

TIA1-205

AGGTATTTCTTTGATTGTTCTTCACAAAATATGGTTAAACCAAGTATATATCATGTAGCTAGCTTCAGTAAATTGTGTTAACTGA
TCCATAAAGAAACTAACAAGAAGTGTTTTATACCAATTTGGTTCATATATAGTACATCGATCGAAGTCATTTAACACAATTGACT

20,400

TIA1

TIA1-205

TIA1-205

GGCAAATCTAGTCTACATAATTCACAGTACCACTATTTTTATTTAATTTGTAAAGCCTTAATATAGTGGTAAACTGAATAAAAGT
CCGTTTAGATCAGATGTATTAAGTGTCATGGTGATAAAAATAAAATTAACATTTTCGGAATTATATCACCATTTGACTTATTTTCA

20,485

TIA1

TIA1-205

TIA1-205

AAATAATTATTATTAGAAATGGTAACTAAGTCATTAATTTTTTTGCGAGAACTGAAACTTGTATGTTATTAGTTTATTTTCTTAGA
TTTATTAATAATAATCTTACCATTGATTCAGTAATTTAAAAAACGTCCTTGACTTTGAACATACAATAATCAAATAAAAGAATCT

20,570

TIA1

TIA1-205

TIA1-205

CCAGTGTAATAATTGACTGTAAATAGAAATATAAATGTCACCTTTACAGTTAGATGTATCACAGTCGTTTTCAGGAGAATTTTTCTT
GGTCACATTATTAAGTACATTTATCTTTATATTTACAGTGAAATGTCAATCTACATAGTGTACAGCAAAGTCCTCTTAAAAAGGA

20,655

TIA1

TIA1-205

TIA1-205

ATATTGTTACCTTGATTCATTGTTTAAATTTGGTAGGATTTGTATAGATATAGGATAGTGTTTTATTTATACTTTATCATAAGCC
TATAACAATGGAACCTAAGTAACAAATTTTAACCATCCTAAACATATCTATATCCTATCACAAAATAAATATGAAATAGTATTCGG

20,740

TIA1

TIA1-205

TIA1-205

ATAATCATTTTAAAGAATACTTTATTGGATAGATTTTAGTACTTTTTAAATTCTAAAGTTCTATTTTTCTTTCACTTCCCTTCC
TATTAGTAAATTTCTTATGAAATAACCTATCTAAAATCATGAAAAATTTAAGATTTCAAGATAAAAAGAAAAGTGAAGGGGAAGG

20,825

TIA1

TIA1-205

TIA1-205

TTCCCCTTATAAGATCATTTCCATGTCTTTGTTGGTGATCTCAGCCCAGAAATTACAACCTGAAGATATAAAAGCTGCTTTTGCAC
AAGGGGAATATTCTAGTAAAGGTACAGAAACAACCACTAGAGTCGGGTCTTTAATGTTGACTTCTATATTTTCGACGAAAACGTG

20,910

TIA1

TIA1-205

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

CATTTGGAAGAATATCGTAAGTAACAGAAGATAAAATAAAATCCTTTTAATTAGAAACAATTATATGTAGACATAACTTGAAAATA
GTAACACCTTCTTATAGCATTTCATTGTCCTTCTATTTATTTTAGGAAAATTAATCTTTGTTAATATACATCTGTATTGAACTTTTAT

20,995

TIA1

TIA1-205

130
P F G R I S
ENSE00003637040

TIA1-205

ATTCTGTTGTGAATTTTGTACATTAATTTTATAACTTGAATATAATGTATTACATTGTTTAGAGATCATTCAAGAAGTTAACAGC
TAAGACAACACTTAAAACATGTAATTTAAAATATTGAACTTATATTACATAATGTAACAAATCTCTAGTAAGTTCTTCAATTGTCTG

21,080

TIA1

TIA1-205

TIA1-205

AAAAGATTGTTTTCCCATTTGATGAATAAACCTTTGGTTTTCAATTATCTTAAAATCCTTTTTCAATTAGCATAGCTCTTAAGAGA
TTTTCTAACAAAAGGGTAACACTACTTATTTGGAAACCAAAGTTAATAGAATTTTAGGAAAAAGTTAATCGTATCGAGAATTTCTCT

21,165

TIA1

TIA1-205

TIA1-205

CAAATTTGCCATTGTACATGTTTTACTTTCTTATATAGGTATCAAGCTAGCTTGGTGACAATCTTTAGTAAAATTGTGCTGTAAC
GTTTAAACGGTAACATGTACAAAATGAAAGAATATATCCATAGTTCGATCGAACCACTGTTAGAAATCATTTTAAACACGACATTG

21,250

TIA1

TIA1-205

TIA1-205

TAAGGAATTTAGATCTGTTGGGTACTTCTATGATACCATGCATTTTGTGTTAATATATTTTAAACAAAAGAAACCTTAACAATTC
ATTCCTTAAATCTAGACAACCCATGAAGATACTATGGTACGTAAAACACAATTATATAAAATTGTTTTCTTTGGAATTGTTAAG

21,335

TIA1

TIA1-205

TIA1-205

AACTTAAAAAGCAGTTATTGAATATTATTTTCTAGATATTTACACCCTTTTAAAAAACTGCTAACAATAATAGTGCCTTAATAA
TTGAATTTTTCGTCAATAACTTATAATAAAAGATCTATAAATGTGGGAAAATTTTTTTGACGATTGTTATTATCACGGAATTATT

21,420

TIA1

TIA1-205

TIA1-205

TATTTTATGAAGCACTGCCTTGCTTGCCTTGTATTAGTCATACATTTTAGGCCCTTATGAATAAATACCTTACTTGAGATAGC
ATAAAATACTTCGTGACGGAACGAACGTGAACAATAATCAGTATGTAATCCGGGAATACTTATTTATGGAATGAACTCTATCG

21,505

TIA1

TIA1-205

TIA1-205

ATTCATCATAGAAGAAGCTTTAAAAATTTTGAAAAGCATGCCATATTAGAGTAAGAATAACAAGTTGTTTACAGTACTTTCTGTAGA
TAAGTAGTATCTTCTTGAAATTTTAAAACTTTTTCGTACGGTATAATCTCATTCTTATTGTTCAACAAATGTCATGAAAGACATCT

21,590

TIA1

TIA1-205

TIA1-205

GTAATTAGCTTAGAAAACCTTCTTCAGGGTTTCTGCTTGCTCTGTTATTTTTCCACCTAGAAGAATAGTAAAAAGGAAGTGCTAGC
CATTAATCGAATCTTTTGAAGAAGTCCCAAAGACGAACGAGACAATAAAAAAGGTGGATCTTCTTATCATTTTTCTTCACGATCG

21,675

TIA1

TIA1-205

TIA1-205

TGTGGTTTGGTTTGAACAGACCAACAGCAGAGATGAGATGAGGAGACTGGAAAAGTAAATGCCAGTAGTATTGGTGAATTTTAGGA
ACACCAAACCAAACCTTGTCTGGTTGTCGTCTCTACTCTACTCCTCTGACCTTTCATTTACGGTTCATCATAACCCTTAAAAATCCT

21,760

TIA1

TIA1-205

TIA1-205

GCTTTCGTTTGAAGAGTTATCGTTCCTTGATTAGGGGATGTGACCAAGGAATTACCAACTTTAAAGGTGGTCCACAGAATTAGGGC
CGAAAGCAAACCTTCTCAATAGCAAGGAACCTAATCCCTACACTGGTTCCTTAATGGTTGAAATTTCCACCAGTGTCTTAATCCCG

21,845

TIA1

TIA1-205

TIA1-205

TTATAAATGGACTTCTTTCAGATGACATTTTTCTTTGTGAGACCTGATCAGGAAAATAAGTACAGCTTTCATTTCTTGATTGTCC
AATATTTACCTGAAGAAAGTCTACTGTAAAAAGAAACACTCTGGACTAGTCCTTTTATTCATGTGCGAAAGTAAAGAACTAACAGG

21,930

TIA1

TIA1-205

TIA1-205

TTCTTAATAATATCTTAGAGTTTCAATAATAATTAGCTTGCTTTTGAATATCTGGACTTAGACAGTCTTAGCCTTTGGCCTCTCA
AAGAATTATTATAGAATCTCAAAGTTATTATTAATCGAACGAAAGCTTATAGACCTGAATCTGTCAGAATCGGAAACCGGAGAGT

22,015

TIA1

TIA1-205

TIA1-205

AGGGCTCTAAATCTCTATGCACAATTTTGTGTTTTTCATTTTGGTGTGGAAAATCTTTGTAAATTTTATCCTATTGTCAGAGTAGT
TCCCGAGATTTAGAGATACGTGTTAAAACACAAAAGTAAAACACACCTTTTAGAAACATTTAAAATAGGATAACAGTCTCATCA

22,100

TIA1

TIA1-205

TIA1-205

CATAGAACCATAAAAAGGATAAAGAAGCCTGATCTAGATCTTTGCTGCTGCTTCAGAGAATCTTTTCAGAGAGAAATAAATGAGTT
GTATCTTGGTATTTTTCTATTTCTTCGGACTAGATCTAGAAACGACGACGAAGTCTCTTAGAAAAGTCTCTCTTTATTTACTCAA

22,185

TIA1

TIA1-205

TIA1-205

GAATATTTTTCAAGACTAACATTTTTCTGAAACTTTAAGAAGAAAAATTTTTCTAACATTGTGAACAGATTAAGTAGCTATTTTTAT
CTTATAAAAAGTTCTGATTGTA AAAAGACTTTGAAATTCCTCTTTTTTAAAAGATTGTAACACTTGTCTAATTCATCGATAAAAATA

22,270

TIA1

TIA1-205

TIA1-205

TAAATGCTTTGATTTTAATTGAGGTAGTTTTTTTTGAAAACACGGGAATTTTAGTTTGGAAATTAGGCCAAAGATTGTTTAAACAGTTG
ATTTACGAAACTAAAATTAACCTCCATCAAAAAAACTTTTTGTGCCCTTAAAATCAAACCTTAATCCGTTTCTAACAAATTGTCAAC

22,355

TIA1

TIA1-205

TIA1-205

GTGAGTTTAAGTTAAGTGACCTTCAGATTTTAGCAATTTTCATGATTTACAAATCGTGGGTTATATTTTTTTCTCTTAAATATATT
CACTCAAATTC AATTC ACTGGAAGTCTAAAATCGTTAAAGTACTAAATGTTTAGCACCCAATATAAAAAAAGAGAATTTATATAA

22,440

TIA1

TIA1-205

TIA1-205

TCTGTGTCATATTTTTAGTCTGTAGATTTTCTTATGGTCCCATGATTATTGGTGTATACTTTTTTTTTCTTGGTAAGACCTTTAA
AGACACAGTATAAAAATCAGACATCTAAAAGAATACCAGGGTACTAATAACCACATATGAAAAAAAAGAACCATTCTGGAAATT

22,525

TIA1

TIA1-205

TIA1-205

GTTTTATGATTTTCAATTGAGATAATGTATAATGTTTGAGTTTTAGGCTATATAAGGAATTAGCTTTTCTGCATTTAAAGGAATC
CAAAATACTAAAAGTTAACTCTATTACATATTACAAACTCAAAATCCGATATATTCCTTAATCGAAAAGGACGTAAATTTCTTAG

22,610

TIA1

TIA1-205

TIA1-205

ATTTGGCAGTCAGTAGCATATTTTCTGATTTTTGTTGTTGTTAAAGGAGATAAGTTGATAACTGTATGTTGAAGGGTTCTCAT
TAAACCGTCAGTCATCGTATAAAAAGGACTAAAAACAACAACAATTTCTCTATTCAACTATTGACATACAACCTCCCAAGAGTA

22,695

TIA1

TIA1-205

TIA1-205

GATATTCTCTAAAAAGTGCAAATATCAGTGCTTGATTTATAGATGTGTAATAAACAGTGGTCTGTAAAAAGCATGTAGTATAAAAA
CTATAAGAGATTTTTTACGTTTTATAGTCACGAACTAAATATCTACACATTATTTGTCACCAGACATTTTTCGTACATCATATTTTT

22,780

TIA1

TIA1-205

TIA1-205

ATATGGTATTTTTCCCTTATATACAGCCTATAAACTCTTCCTATTTCCTTGAGTTTAGGGTACTAACAATTACAGCGTAGAAGA
TATAACCATAAAAAGGGAATATATGTCGGATATTTGAGAAGGATAAGGAACTCAAATCCCATCTGATTGTTAATGTCGCATCTTCT

22,865

TIA1

TIA1-205

TIA1-205

GAGTCAGCTACCAGATTAATGCATGCGTACCATACAGATAATTTATTAAGTATTTTTGCATATTGAACATTGACTTACATTAAT
CTCAGTCGATGGTCTAATTTACGTACGCATGGTATGTCTATTAATAATTCATAAAAACGTATAAAGTAACTGTAAGTGAATGTAATTA

22,950

TIA1

TIA1-205

TIA1-205

TTTCCCTTTTACCACCACGTCTTTGTCATTTTGACCCTGAACACTTAATAAATCACTCAGATTGATCTAAAAATATGCTTATGTA
AAAGGGAAAAGTGGTGGTGCAGAAACAGTAAACTGGGACTTGTGAATTATTTAGTGAGTCTAACTAGATTTTATACGAATACAT

23,035

TIA1

TIA1-205

TIA1-205

TACTTTAATAGAAAATTACATTGCATGGCTTTCTGACTTGGGTTTTTGTATAAAAAGTGCCTGTTTTGTTTCATGTGTCCTGAGAG
ATGAAATTATCTTTAATGTAACGTACCGAAAGACTGAACCCAAAAACAATATTTTACGGACAAAAACAAGTACACAGGACTCTC

23,120

TIA1

TIA1-205

TIA1-205

AGCAAGCATTGTGACATACCTGACTAACTTAAAAGCAGATTGCCTGTGAAGCACAAATTTGAGTCCAATTTTTGAGGTATGGAGT
TCGTTTCGTAACACTGTATGGACTGATTGAATTTTCGTCTAACGGACACTTCGTGTTAAACTCAGGTTAAAAAACTCCATACCTCA

23,205

TIA1

TIA1-205

TIA1-205

TTTAGCTATCATGGCTGGGTTTTTACTCAATCTCAAATAATAGGGCTCTGGTTATTTTGCAGAGTGTCTCTGAAGAATGGACAGA
AAATCGATAGTACCGACCCAAAAATGAGTTAGAGTTTATTATCCCGAGACCAATAAAACGTCTCACAGAGACTTCTTACCTGTCT

23,290

TIA1

TIA1-205

TIA1-205

ATTGCCCTGGCTAACTACAAGCTACGGTTCACAGTGGATAAATGTTGGCGTGCTTTTTTACTTTCTGACTTTTTAAAAATTTTGCT
TAACGGGACCGATTGATGTTTCGATGCCAAGTGTACACCTATTTACAACCGCACGAAAAAATGAAAGACTGAAAAATTTTAAAAACGA

23,375

TIA1

TIA1-205

TIA1-205

TTTATATCTTGTAGTTCCAATCAATTTTATATGAATGCTATTATAAAATTCAGTGTAAAATCTTTTCTTGTCTAGCTTAAACTT
AAATATAGAACATCAAGGTTAGTTAAAAATATACTTACGATAATATTTAAGTCACATTTTAGAAAAAGAACAGATCGAATTTTGAA

23,460

TIA1

TIA1-205

TIA1-205

GTGTGTGTCTAGTATTTTTCTTCAATGATTTAACATTTCTGAAAATGTCAAGTTCTCAAATTTAGACAAAAAGGGGGGTATAAA
CACACACAGATCATAAAAAAGAAGTTACTAAATTGTAAAGACTTTTACAGTTCAAGAGTTTTAAATCTGTTTTTCCCCCATATTT

23,545

TIA1

TIA1-205

TIA1-205

TTGATCTGAAAAAATTAATAGTTTAATTAGTTTAGGGAAATATACAACTTTTTCATTCTTTTGGTTTTCCAGTTTTCTATTTTTTT
AACTAGACTTTTTTAATTTATCAAATTAATCAAATCCCTTATATGTTGAAAAAGTAAGAAAACCAAAGGTCAAAGATAAAAAAA

23,630

TIA1

TIA1-205

TIA1-205

TTAATGATTAGGTAGAATATAGTGTCAAATAAGTTATAAATTGCATGGTTAAAGAAAAGCCATTTCATCTAATGTCCTGTGAACTTT
AATTACTAATCCATCTTATATCACAGTTTATTCAATATTTAACGTACCAATTTCTTTTCGGTAAGTAGATTACAGGACACTTGAAA

23,715

TIA1

TIA1-205

TIA1-205

ATAAGTGGTTAAGTAGTTCATGTGAGTAGCTGCTTTCACCATGCTTAATATTTAAAAGTTTAAAAGTTTTTTGAAGAGAGAGGC
TATTCACCAATTCATCAAGTACACTCATCGACGAAAGTGGTACGAATTATAAATTTTCAAATTTTCAA AAAA ACTTCTCTCCG

23,800

TIA1

TIA1-205

TIA1-205

AATTTCTGTACAATATAAATATACATATATACTTAAGTTATTGATTTGCATGTCTATAAAATTAAGCCTCATTTCCTAATACATG
TTAAAGACATGTTATATTTATATGATATATGAATTCAATAACTAAACGTACAGATATTTAATTCGGAGTAAAGGATTATGTAC

23,885

TIA1

TIA1-205

TIA1-205

ATAAATTTTGTAGAATAAAAGGTGAATTTGCATTAAAGGTTCACTTTAATGAAGGTGAAACATGAGAATGAGTTGTGTGAAAT
TATTTAAAACATCTTATTTTCCACTTAAACGTAATTTCCAAGTGAAATTAAGTCTTCCACTTTGTAAGTCTTACTCAACACACTTTA

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
CCGTTGTCTTTTTCAGATTCCCTATACCGAAACAGAGGAAAAAGTTGTTTACCCACTCGAGTCACTCTTCACGTACCTATTACGAA

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

AAAGAGTAAAGAATGGAAACACTCCGTTTTAATTAATACTTTTTTTCGCTCTGCTGTTTATTTTACTGATGATTAATAAACC
TTTCTCATTCTTACCTTTGTGAGGCAAAATTAATGATTAGAAAAAAGCAGACGACAAATAAAATGACTACTAATTTTATTTGG

24,225

TIA1

TIA1-205

TIA1-205

CTCACTAGAAGATTTCTTCTGTTTTGTCTGTTTAAACATTTATTGGCACCTGAGGCATGCAGAGTACTGATAAGATGTTTTTCAGAA
GAGTGATCTTCTAAAGAAGACAAAACAGACAAATTGTAATAACCGTGGACTCCGTACGTCTCATGACTATTCTACAAAAGTCTT

24,310

TIA1

TIA1-205

TIA1-205

TGTAGAAAGTAAAGTTGTTTAAATTATCAGCCAAAGGTAGATGTTGAAAATCTCATTATGGATTTAATTCATTATCTCCCTAGT
ACATCTTTTCATTTCAACAAATTTAATAGTCGGTTTTCCATCTACAACTTTTAGAGTAAATACCTAAATTAAGTAATAGAGGGATCA

24,395

TIA1

TIA1-205

TIA1-205

TTATATTCCCATGGTAGTTTAAAAGTAGCTAATAAAATACTGTGAGGAGGCCGGACGCAGTGGCTCACACCTGTAATCCCAACAC
AATATAAGGGTACCATCAAATTTTCATCGATTATTTTATGACACTCCTCCGGCCTGCGTCAACGAGTGTGGACATTAGGGTTGTG

24,480

TIA1

TIA1-205

TIA1-205

TTTGGGAGGCTGAGGCGGGTGGATCACCTGAGGTCAGGACTTTGAGAACAGCCAGGTCAACCTGGTGAAACCTGTTTCTACTAA
AAACCCTCCGACTCCGCCACCTAGTGGACTCCAGTCCTGAAACTCTTGTGCGGTCCAGTTGGACCACTTTGGGACAAAGATGATT

24,565

TIA1

TIA1-205

TIA1-205

AAATACAAAAATTATCCGGGCGTGGTGGCAGGCGCCTGTAGTCCCAGCTACTCGGGAAGCTGAGGCAGGAGGATCACTTGAACCC
TTTATGTTTTAATAGGCCCGCACCACCGTCCGCGGACATCAGGGTCGATGAGCCCTTCGACTCCGTCTCCTAGTGAACCTGGG

24,650

TIA1

TIA1-205

TIA1-205

AGGAGGCACAGGTTGCAGTGAGCCGAGATCATGCCACAGCACAGCCTGGGCGACAGAGTGAGACCCTGTCTCAAAAAATAAATAA
TCCTCCGTGTCCAACGTCACCTCGGCTCTAGTACGGTGTGCTGTCGGACCCGCTGTCTCACTCTGGGACAGAGTTTTTTATTTATT

24,735

TIA1

TIA1-205

TIA1-205

ATAAATAAAAAATACTGTGATGGATAGGAACTTTTTAAAAAATTAATATTACCCGGGCACAGTGGTTTTATGCCTATAACCTCAGC
TATTTATTTTTATGACACTACCTATCCTTGAAAAATTTTTAATTTATAATGGGCCCGTGTCAACAAATACGGATATTGGAGTCG

24,820

TIA1

TIA1-205

TIA1-205

ACTTTGGGAGGCTGAGAAGTTTGAGATAAAATACTGGCAATATAGTGGGACCCTATCTCTACAAAATATATATATTTTTTATTTTA
TGAAACCCTCCGACTCTTCAAACCTCTATTTATGACCGTTATATCACCCCTGGGATAGAGATGTTTTATATATATAAAAAATAAAAT

24,905

TIA1

TIA1-205

TIA1-205

CTTTTTTTTTAATTTTTTTTTTCCGGGAATTCGAAAATTCAGCCGAGCCAGTGCGCTCACACCTGTAATCCCAGCACTTTGGG
GAAAAAAAATTAATAAAAAAAAAAGGCCCTTAAGGCTTTTAAGTCGGCTCGGGTCACCGAGTGTGGACATTAGGGTCGTGAAACCC

24,990

TIA1

TIA1-205

TIA1-205

ATGCCAAGGTGGGCGGATCACTTGAGGTCAGGAGTTCAAGACCAACCTGGACAACATGGCAAAACCCCATCTCTACAAAAATTA
TACGGTTCCACCCGCCTAGTGAACCTCCAGTCCTCAAGTTCTGGTTGGACCTGTTGTACCGTTTTGGGGTAGAGATGTTTTTTAAT

25,075

TIA1

TIA1-205

TIA1-205

GCCAGGCATGGCGACACATGCCTGTAGTCCCAGCTACTTGCAGGGCTGAGGCGGGAGGATCACTTAAATCCAGGAGGCCAAAGCT
CGGTCCGTACCGCTGTGTACGGACATCAGGGTCGATGAACGTCCCAGCTCCGCCCTCCTAGTGAATTTAGGTCCTCCGGTTTTCGA

25,160

TIA1

TIA1-205

TIA1-205

GCAGTGAGTCATGATCAAGCCACTGTACTCCAGCCTGGGTGACAAAGTGAGGCCCTGTCTCAAGAAAAAAAAAGTTGAAAATTGT
CGTCACTCAGTACTAGTTTCGGTGACATGAGGTCGGACCCACTGTTTCACTCCGGGACAGAGTTCTTTTTTTTTCAACTTTTAACA

25,245

TIA1

TIA1-205

TIA1-205

AAAGTACATTGAGAGGTGAAAACAATACAAGCTCAATCATGTACATGTCCCATCTACCAAAGATTTTTTTTTTCTGTAAAGATGA
TTTCATGTAACCTCTCCACTTTTGTATGTTTCGAGTTAGTACATGTACAGGGTAGATGGTTTCTAAAAAAAAAAGGACATTCTACT

25,330

TIA1

TIA1-205

TIA1-205

GAAAAATAAAATTAAGAGAATTTATTTGGTTCTCAAACTTTACTATTAAGCATAGCATAATGTTTTAGAAAGGTAGAAAAATAC
CTTTTATTTTAATTCTCTTAAATAAACCAAGAGTTTTGAAATGATAATTCGTATCGTATTACAAAATCTTCCATCTTTTTATG

25,415

TIA1

TIA1-205

TIA1-205

CTTCTATAATGGATTGATAGCCGTGATTAATTTGAGTTCCTTAGAGGATTGATTCATAGGTTTTAGGATGTTTTAGTGCAAGTTA
GAAGATATTACCTAACTATCGGCACTAATTAACCTCAAGGAATCTCCTAACTAAGTATCCAAAATCCTACAAAATCACGTTCAAT

25,500

TIA1

TIA1-205

TIA1-205

GGGAAATAAATTGGCGGTTTGATGGGCTAGGAACTCATTTTTACATTTTCGAGATTGTGGACTGTAGGGTTCTGCTATATAAAA
CCCTTTATTTAACCGCCAAACTACCCGATCCTTGAGTAAAAAGTGAAAAAGCTCTAACACCTGACATCCCAAGACGATATATTTT

25,585

TIA1

TIA1-205

TIA1-205

ATCACTGTTGAATGTGTATTTAGTATGAACTAGAGTCAAATAGCAAAGGATGTCTCTTGATAACCTGTGTATGGCCTCTGGAGTT
TAGTGACAACTTACACATAAATCATACTTGATCTCAGTTTATCGTTTCTACAGAGAACTATTGGACACATACCGGAGACCTCAA

25,670

TIA1

TIA1-205

TIA1-205

AGCCAGAGATGTATACAAATTCTGACAACCATTATAAAAACAGATGTAACCTTTGAGTAAATAATATAATTTTTTTTTTTGAGACGGA
TCGGTCTCTACATATGTTTAAAGACTGTTGGTAATATTTTTGTCTACATTGAAACTCATTATTATTATATAAAAAAAAAAACTCTGCCT

25,755

TIA1

TIA1-205

TIA1-205

GTTTCGCTCTGTTGCCAGGCTGGAGCGCAATGGCGCAATTTTCGGCTCACTGCAACCTCCATCTCCTGGGTTCAAGCAATTCTTC
CAAAGCGAGACAACGGGTCCGACCTCGCGTTACCGCGTTAAAGCCGAGTGACGTTGGAGGTAGAGGACCCAAGTTCGTTAAGAAG

25,840

TIA1

TIA1-205

TIA1-205

TGCCTCAGCCTCCCAAGTAGCTGGGATTACAGGTGCCGCCACCATGCACGGCTAATTTTTTGTATTTTTAGTAGAGACAGGATTT
ACGGAGTCGGAGGGTTCATCGACCCTAATGTCCACGGCGGTGGTACGTGCCGATTAAAAACATAAAAAATCATCTCTGTCTCTAAA

25,925

TIA1

TIA1-205

TIA1-205

CACTATGTTGGCCAGGCTGGTCTCAAACCTCTGACCTTGTGATCCACCTGCCTCGGCCTCCAGAGTGCTGGGATTACAGGCGTG
GTGATACAACCGGTCCGACCAGAGTTTGAGGACTGGAACACTAGGTGGACGGAGCCGGAGGGTCTCACGACCCTAATGTCCGCAC

26,010

TIA1

TIA1-205

TIA1-205

AGCCACTGCGCCCGGCGAGTAAATAATATAATCTTCTATAAAATCTTCTATAAAATTTAAATCTATAAAATTTCAACTTATGTAAAAT
TCGGTGACGCGGGCCGTCATTTATTATATTAGAAGATATTTTAGAAGATATTTAAATTTAGATATTTAAAGTTGAATACATTTTA

26,095

TIA1

TIA1-205

TIA1-205

TTGTGATACGTGCTTGGCTCTGTTACGCAGTGCTACAGCCCTGATTGCAATTACCCCCAGCCTCTCTTCTATGTTCTACATGCT
AACACTATGCACGAACCGAGACAATGCGTACGATGTCGGGACTAACGTTAATGGGGGTCGGAGAGAAGGATACAAGATGTACGA

26,180

TIA1

TIA1-205

TIA1-205

AGGAAGACCACAATACTGATTGAGCTTAGCTTCTCTGCCTACCCCAAATAACTGAATGTTTCTGGAAAAAACTGAGTTCAGGT
TCCTTCTGGTGTTATGACTAACTCGAATCGAAGAGACGGATGGGGTTTTATTGACTTACAAGGACCTTTTTTTGACTCAAGTCCA

26,265

TIA1

TIA1-205

TIA1-205

GGTTTTGCTTCTAATTTAATGGTCACACACTTTAGGTGAGTACAGAGTACTGTCTTGGCAAACATGTGTTTTCTCATCTTTCAACC
CCAAAACGAAGATTAAATTACCAGTGTGTGAAATCCACTCATGTCTCATGACAGAACCGTTTGTACACAAAGAGTAGAAAAGTTGG

26,350

TIA1

TIA1-205

TIA1-205

ACCAAACCTTACATAAAAATTCATCCACCTTCCCATTTCTTCTATTATAGTACAGGAAAGGTCCTTCTGTCAAAGGCAAAATCACT
TGGTTTGAATGTATTTTAAGTAGGTGGAAGGGTAAGAAGGATAATATCATGTCTTCCAGGAAGGACAGTTTCCGTTTTAGTGA

26,435

TIA1

TIA1-205

TIA1-205

TATGATTGTGTCCCATCTCTTGCCTTTTCAAGGACTTTGAGCCTATGCTGCCACTGCTTCATTGTTTTTTTTTTGTTTGT
ATACTAACACAGGGGTAGAGAGAACGGAAGTTTCTGAAACTCGGATACGACGGTGACGAAGTAACAAAAAAAAAACAAACAAA

26,520

TIA1

TIA1-205

TIA1-205

GTTTTGTTTTGTTTTGTTTTAACAGCAGCTTTATTGAGATATAATTC AAGTATACAGTGTGGCCGGGCACAGTGGCTCACACCT
CAAAACAAAAACAAAAACAAAATTGTCGTCGAAATAACTCTATATTAAGTTTCATATGTCACACCGGCCCGTGTACCCGAGTGTGGA

26,605

TIA1

TIA1-205

TIA1-205

GTAATCCAGCACTTTGGGAGACTAAGGCAGGCAGATTACTTGAGCCTAGGAATTTGAGAGCAGCCTGGGCAAAATGGCAAAACC
CATTAGGGTTCGTGAAACCCTCTGATTCCGTCGGTCTAATGAACTCGGATCCTTAAACTCTCGTCCGGACCCGTTTTTACCGTTTTTGG

26,690

TIA1

TIA1-205

TIA1-205

CCTTCTTACAAAAAATGAGCCAGGCATGGTGGCACACACCTGTAGTCCCAGTTACTTGAGAGGCAGAGGTGGGGGAATCACCTG
GGAAGAGATGTTTTTACTCGGTCCGTACCACCGTGTGTGGACATCAGGGTCAATGAACTCTCCGTCTCCACCCCTTAGTGGAC

26,775

TIA1

TIA1-205

TIA1-205

AGCCCAGGAAGTTGAGGATCCAGTGAGCTGAGATTGCACCACTGCACTCCAGCCTGGACGACAGAGACCCTGTCTCAAAAAAAAA
TCGGGTCCTTCAACTCCTAGGTCAGTCTAACGTGGTGCAGTGAGGTCGGACCTGCTGTCTCTGGGACAGAGTTTTTTTTT

26,860

TIA1

TIA1-205

TIA1-205

AATTTTTTTTTTAAAGTATACAATTCAGTGGTTTCTAGGTAATTCACAGAATTGTGCAACTATTACCAAAAATAAATTTTTAGAATA
TTAAAAAAAAAATTTTCATATGTTAAGTCACCAAAGATCCATTAAGTGTCTTAACACGTTGATAATGGTTTTATTTAAATCTTAT

26,945

TIA1

TIA1-205

TIA1-205

TTTTTACCACCCCAAAAAGAAGCTACATGACTCATTAGCAGTCACTATCCTCCTTTCATGCCCTCCTGCCAGCCCTGAACAATT
AAAAATGGTGGGGTTTTTCTTCGATGTACTGAGTAATCGTCAGTGATAGGAGGAAAAGTACGGGGAGGACGGTCGGGACTTGTAA

27,030

TIA1

TIA1-205

TIA1-205

GTCAATCTACTTTCTGTCTCTGTAGATTTCCCTGTTCTCAACATTTCTTATAAATGGAATCATAATGTGCTGTTCTTGTATTAC
CAGTTAGATGAAAGACAGAGACATCTAAAGGGACAAGAGTTGTAAGGATATTTACCTTAGTATTACACGACAAGAACAATAATG

27,115

TIA1

TIA1-205

TIA1-205

TGCTATTCTGTGTCATCACTCTATTCCTTCTCTACTGGATCATTCTCATCAACCTAGGATCTCTCTTTTTTTTTTTGGAGAGAGGG
ACGATAAGACACAGTAGTGAGATAAGGAAGAGATGACCTAGTAAGAGTAGTTGGATCCTAGAGAGAAAAAAAAAACCTCTCTCCC

27,200

TIA1

TIA1-205

TIA1-205

TCTCACTCTGTCACTCAGGCTGGAGTGCAGTGGTGTGATCATAGCTCACTGCAGCCTCGAACTCCTGGCCTCAATCCATCCTCCT
AGAGTGAGACAGTGAGTCCGACCTCACGTCAACCACTAGTATCGAGTGACGTCGGAGCTTGAGGACCGGAGTTAGGTAGGAGGA

27,285

TIA1

TIA1-205

TIA1-205

GCCTCAGCCTCCAGAGTAGCTGGGACCACAGGTGTACACCACCATGCCACCTAATTTTTTTTTTAAAAAAGGCCAGGCATGGTG
CGGAGTCGGAGGTCTCATCGACCCTGGTGTCCACATGTGGTGGTACGGGTGGATTAAAAAAAATTTTTTCCGGTCCGTACCAC

27,370

TIA1

TIA1-205

TIA1-205

GCTCACACTTGTAAATCCCAGCACTTTGGGTGGCCGAGGCAAGCAGATCATGAGGTGAGAAGTTCGAGACCAGCCTGACCAACATG
CGAGTGTGAACATTAGGGTCGTGAAACCCACCGGCTCCGTTTCGTCTAGTACTCCAGTCTTCAAGCTCTGGTTCGGACTGGTTGTAC

27,455

TIA1

TIA1-205

TIA1-205

GTGAAACCCCGTCTCTACTAAAAATAGAAAAATTAGCCAGGCATGGTGGCACACGCCTGTAATCACGGCTACTCAGGAGGCTGAG
CACTTTGGGGCAGAGATGATTTTTTATCTTTTTAATCGGTCCGTACCACCGTGTGCGGACATTAGTGCCGATGAGTCTCCGACTC

27,540

TIA1

TIA1-205

TIA1-205

GCAGGAGAATCGCTTGAACCTGGGAGGCAAAGGTTGCAGTGAGCTGAGATTATGCCACTGCACTCCAGCCTGGGCAACAGAGTGA
CGTCCTCTTAGCGAACTTGGACCCTCCGTTTCCAACGTCACCTCGACTCTAATACGGTGACGTGAGGTCGGACCCGTTGTCTCACT

27,625

TIA1

TIA1-205

TIA1-205

GACTCCGTCTCAAAAATATATATATATATTTTTTTGTAGGAACAATCTCACTTTGTTGCCAGTCTGGCCTCGAACTCCTGGCTT
CTGAGGCAGAGTTTTTATATATATATATAAAAAAACATCCTTGTTAGAGTGAAACAACGGGTCAGACCGGAGCTTGAGGACCGAA

27,710

TIA1

TIA1-205

TIA1-205

CCACCAGTCCGCCCGCCTTGGCCTCCCAAAGTGGTGGGGTTATAGGCATGAGGCACCGTTCCTGGCCATCTAGTATCTCTTAATC
GGTGGTCAGGCGGGC GGAACCGGAGGGTTTACCACCCCAATATCCGTA CTCCGTGGCAAGGACCGGTAGATCATAGAGAATTAG

27,795

TIA1

TIA1-205

TIA1-205

AAAACCACTGTTTATCCTCACATCCCTTCCCTAACTGTATCCCATTTCTTGGCTATAATTCTCAAGAGTTGTTTGCATATGCTT
TTTTGGTGACAAATAGGAGTG TAGGGAAGGGATTGACATAGGGGTAAAGAACC GATATTAAGAGTTCTCAACAAACGTATACGAA

27,880

TIA1

TIA1-205

TIA1-205

CTACTTTATCTCCCATTCACAACCACCAACATAGATACATCTCTGTTTTTTTTTCCACTTTTTTGGAGTGAGTAGTTTTATTTTTT
GATGAAATAGAGGGTAAGTGTTGGTGGTTGTATCTATGTAGAGACAAAAAAGGTGAAAAAACTCACTCATCAAAAATAAAAAA

27,965

TIA1

TIA1-205

TIA1-205

CCTGAGGAGCTGTATCAAAGTATCATAAACTGGATGGCTTAGAGCAACAAAAATTTATTTTTCTCAATGTTTTGGAGGCGTGAAAT
GGACTCCTCGACATAGTTTCATAGTATTTGACCTACCGAATCTCGTTGTTTTAAATAAAAGAGTTACAAAACCTCCGCACTTTA

28,050

TIA1

TIA1-205

TIA1-205

TCACAATCAAGGTGTCAGCATGTCCATGCTCTTTTGAAGGCTCTGTAGAAGAATCCTTTGTTGCTTCTTCCAAGCTTCTGGTGGT
AGTGTTAGTTCCACAGTCGTACAGGTACGAGAAAACTTCCGAGACATCTTCTTAGGAAACAACGAAGAAGGTTCTGAAGACCACCA

28,135

TIA1

TIA1-205

TIA1-205

TGCTGGTAATTCTTGGCATTTCATTGGCTTGTAGCTGTATAACTCCAATCTCTGCCTTCATCTTCACATGACCATCTTCTCTCTTT
ACGACCATTAAGAACCCTAAGTAACCGAACATCGACATATTGAGGTTAGAGACGGAAGTAGAAGTGTACTGGTAGAAGAGAGAAA

28,220

TIA1

TIA1-205

TIA1-205

GTGTATCCATATAATCATCATCTTTTTTTTTTCGAGACAGGACCTCACTCTGTACCCAGGCTGGAGTGTGGTGGCACAATCACAA
CACATAGGTATATTAGTAGTAGAAAAAAAAGCTCTGTCTGGAGTGAGACAGTGGGTCCGACCTCACACCACCGTGTAGTGT

28,305

TIA1

TIA1-205

TIA1-205

CTCACTGCAGCCTTGACCTCCCAGGCTTAGGTGATCTTTCCATCACAACTCCTAAGTAGCTGGGACTACAGGTGTTGCAACACC
GAGTGACGTCGGAACCTGGAGGGTCCGAATCCACTAGAAAGGTAGTGTGGAGGATTCATCGACCCTGATGTCCACAACGTTGTGG

28,390

TIA1

TIA1-205

TIA1-205

ATGCCAGCTAATTTTTCTATTTTTTGTAGAGACAGGATTTTGTTCATGTTGTCCAGGCTGGTCTCGAACTCCTGGGCTCATGATC
TACGGGTCGATTA AAAAGATAAAAAACATCTCTGTCTTAAACAGTACAACAGGTCCGACCAGAGCTTGAGGACCCGAGTACTAG

28,475

TIA1

TIA1-205

TIA1-205

CACCTGCCTCGGCCTCCCAAGTGCTGGGATTATAAGTGTGAGCCACCGTGCCAGTCTGATCTTTACTTCTTATGAGGACTTGAG
GTGGACGGAGCCGGAGGGTTCACGACCCTAATATTCACACTCGGTGGCACGGGTCAGACTAGAAATGAAGAATACTCCTGAACTC

28,560

TIA1

TIA1-205

TIA1-205

TCATTGGATTTGGGGCCACCTTAATCCAGTATAACCTCATCTTAATTACTTCGGCAAAGACCCTGTTTCAAATAAGGCCATAT
AGTAACCTAAACCCCGGGTGAATTAGGTCATATTGGAGTAGAATTAATGAAGCCGTTTCTGGGACAAAGGTTTATTCCGGTATA

28,645

TIA1

TIA1-205

TIA1-205

TTCACAGATACCAGGGTATAGGACTTCATATCGTTTTGAGGGGACACAATTCAACACATAACATTAGTTAAGCGTCTCATGGAGTT
AAGTGTCTATGGTCCCATATCCTGAAGTATAGCAAAACTCCCTGTGTTAAGTTGTGTATTGTAATCAATTCGCAGAGTACCTCAA

28,730

TIA1

TIA1-205

TIA1-205

CGGACTGGTTGGGGTGATAATATTTGTTTCTTTTTAAGAATGTGCATTTCTGCCAGGCACAGTGGCTCATTCTGTAATAACAG
GCCTGACCAACCCCACTATTATAAAACAAAGAAAAATTCTTACACGTAAAGGACGGTCCGTGTCACCGAGTAAGGACATTATTGTC

28,815

TIA1

TIA1-205

TIA1-205

AACTTTGGGAGGCCAAGGCAGGAGGAGGACTGCTTGAGCCCAAGGAGTTAGAAACCAGCCTGGGCAACAGCAAGACCCTGTCTCCA
TTGAAACCCCTCCGGTTCCGTCTCTCCTGACGAACTCGGGTCTCAATCTTTGGTCGGACCCGTTGTCGTTCTGGGACAGAGGT

28,900

TIA1

TIA1-205

TIA1-205

TTAAAAAAAAAAAAAAAAAAGCCTGGCGACCTAGTCTGTGGACCCCGAATCCCTCCCATTGCCTGTTGCAACCAGTAAAGGCT
AATTTTTTTTTTTTTTTTTTTTCGGACCGCTGGATCAGACCTGGGGCTTAGGGAGGGTAACGGACAACGTTGGTCATTTCCGA

28,985

TIA1

TIA1-205

TIA1-205

GTTCTACCATAGTAAAGAAATTAATAAATAAAAAAAAAACAGCCAACCTTGTTGGTGCATGCTTATAGTCTAGCTACTAGGAGG
CAAGGATGGTATCATTTCTTTAATTTTTTTTTTTTTTTGTCGGTTGGAACAACCACGTACGAATATCAGGATCGATGATCCTCC

29,070

TIA1

TIA1-205

TIA1-205

CTGAGGTGGGAGTATCACTTGAGCCCAAGGAGTTCAAGGCTACAGTAAGCTGTGATCATGCCTGGATGACAGAATAAGACCCTAT
GACTCCACCCTCATAGTGAACCTCGGGTTCCCTCAAGTTCCGATGTCATTTCGACACTAGTACGGACCTACTGTCTTATTCTGGGATA

29,155

TIA1

TIA1-205

TIA1-205

TTAATTTTTTTTTTAAAGCATTTTCGTTTTTCATATTTCAAGAAAGGCCTTGAATTTGCCTGTTCCCTTCAGTAGTAGATTAAGCTTAC
AATTAATAAATAAATTTTCGTAAAGCAAAAGTATAAAGTTCTTTCCGGAACCTTAAACGGACAAGGAAGTCATCATCTAATTCGAATG

29,240

TIA1

TIA1-205

TIA1-205

CTTTGATGTGTGCACACAAAAGTTACACTCCATTTACTTTTTAGTCTACTCTAAGCTGGTTTTACTCTCACTTTGTACCAATGCT
GAAACTACACACGTGTGTTTTCAATGTGAGGTAATGAAAAATCAGATGAGATTTCGACCAAAATGAGAGTGAAACATGGTTACGA

29,325

TIA1

TIA1-205

TIA1-205

ACTCTATTTTCAAGGTCACCTCTTAACCTCTGTTTTCTTGGCTCCCTGGACCATACACTTTTTGTGGCTTTCTTCCTTCATCACTG
TGAGATAAAAAGTTCCAGTGGAGAATTGGAGACAAAAGAACCAGGGGACCTGGTATGTGAAAAACACCGAAAAGAAGGAAGTAGTGAC

29,410

TIA1

TIA1-205

TIA1-205

GCTACTCCTCCCTAGTCACCTTAGCTAGTGATTATTCCTTTACCCATTTTTCAAGTTTTGCTGTTTTTTCAGGGCTCTGTCTTAGG
CGATGAGGAGGGATCAGTGAATCGATCACTAATAAGGAAATGGGTAAAAAGTTCAAACGACAAAAAGTCCCAGACAGGATCC

29,495

TIA1

TIA1-205

TIA1-205

CTCTTTCTCTAGTCTGCATGAATTTTGTATCTTCAGTCTACTTCTCTGCGTTCCACATTTATTAACAAATGGTCTTCATTTATAT
GAGAAAGAGATCAGACGTACTTAAAACATAGAAGTCAGATGAAGAGACGCAAGGTGTAATAATTGTTTACCAGAAGTAAATATA

29,580

TIA1

TIA1-205

TIA1-205

GTCTCACAGGCATCTCAAAGTTTTTTCTTAATGGAGCTTTTTGTTTCTTCTCAGACCTGTTCCCTTTTTCTTTCCTAGTCTTTTC
CAGAGTGTCCTAGAGTTTTCAAAAAAGAATTACCTCGAAAAACAAGAAGGAGTCTGGACAAGGGGAAAAAGAAAGGATCAGAAAAG

29,665

TIA1

TIA1-205

TIA1-205

TCCGCATTTCAATAAATGCTGTCTTTCCAATTTCTCTAGAGGAACCTAAGAGTTATCTTTTTCTCTCCTTTTTGCTTGTGGTGTCCC
AGGCGTAAAGTTATTTACGACAGAAAGGTTAAAGAGATCTCCTTGGATTCTCAATAGAAAAGAGAGGAAAACGAACACCACAGGG

29,750

TIA1

TIA1-205

TIA1-205

CTCCAGCCCCCATTATTTTGGCCTTGAGTTTAAGTTACATTCAGTCTACTGCAATGCTCCTGGCCACCAACACTTTTTAAAAAT
GAGGTCGGGGGTAATAAAACCGGAACTCAAATTCATGTAAGTGACGATGACGTTACGAGGACCGGTGGTTGTGAAAAATTTTTTA

29,835

TIA1

TIA1-205

TIA1-205

CTAGAATATTGCACAAGTTTCATAAAGTATCTTTATCCCCTTACTACCCATTATCCTAAGCCATTCTCCTCTTAGCGCTAAGAAT
GATCTTATAACGTGTTCAAAGTATTTTCATAGAAATAGGGGAATGATGGGTAATAGGATTCGGTAAGAGGAGAATCGCGATTCTTA

29,920

TIA1

TIA1-205

TIA1-205

GGCCTTCTTGCCGGGTGCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAAGCCAAGGCAGGCGGATCACGAGGTCAGGAGAT
CCGGAAGAACGGCCACGCCACCGAGTGCGGACATTAGGGTCGTGAAACCTTCGGTTCCGTCCGCTAGTGCTCCAGTCTCTTA

30,005

TIA1

TIA1-205

TIA1-205

GGAGACCATCCTGTCTAACACGGTGAAACCTGTCTCTACTAAAAAGAAACCCTGTCTCTACTAAAAAATACAAAAAAAATTA
CCTCTGGTAGGACAGATTGTGCCACTTTGGGACAGAGATGATTTTTTCTTTGGGACAGAGATGATTTTTTATGTTTTTTTTTAAT

30,090

TIA1

TIA1-205

TIA1-205

GCCGGGCTTGGTGGCTGGCACCTGTACAGGAGAATGGCAGGAACCCAGGAGGCGGAGCTTGCAGTGAGCCAAGAACGCGCCACTG
CGGCCCGAACCACCGACCGTGGACATGTCTCTTACCGTCTTTGGGTCTCCGCCTCGAACGTCACCTCGGTTCTTGCGCGGTGAC

30,175

TIA1

TIA1-205

TIA1-205

CACTCCAGCCTGGGAGACAGAGCAAGACTCCATCTCGAAAAAAGAATGGCCTTCTTAAACATAGGTCATGATGATTCCTTGCT
GTGAGGTCGGACCCTCTGTCTCGTTCTGAGGTAGAGCTTTTTTTCTTACCGGAAGAATTTTGTATCCAGTACTACTAAGGAACGA

30,260

TIA1

TIA1-205

TIA1-205

TAAAATCTTTCAGTTTCATTCTCTGACATTCTTTTTTGTCTCGCTGGATTCCACTGAAACTAGTCTTTTCACATGCTGCTTTTCAGAT
ATTTTAGAAAAGTCAAAGTAAGAGACTGTAAGAAAAAACGAGCGACCTAAGGTGACTTTGATCAGAAAAGTGTACGACGAAAAGTCTA

30,345

TIA1

TIA1-205

TIA1-205

GCATACCAAACCTTTTGTGCCTTAACACACTTTGCAATACTTTTTCTCTCTACTGGGGCTTTCTTCCCTCATTGTTTTGACTTGGCTA
CGTATGGTTTGAAAACACGGAATTGTGTGAAACGTTATGAAAAGAGAGATGACCCCGAAAGAAGGAGTAACAAAACCTGAACCGAT

30,430

TIA1

TIA1-205

TIA1-205

TCTCCTATTGCTGTCAGGCTTAGTTTAAATGTCATTTTCAGAGAGACCTTTCTTATTCATCCTGTCTGTAGTAGATCCTTGTGCC
AGAGGATAACGACAGTCCGAATCAAATTTACAGTAAAGTCTCTCTGGAAAGAATAAGTAGGACAGACATCATCTAGGAACACGGG

30,515

TIA1

TIA1-205

TIA1-205

ATATTCTCTATCTCAGCCTTTTGTCTGTCATAGGTCTTACCACAATATGTAATTGCTTTATTTGTTCCCCACAAAAGAATGTA
TATAAGAGATAGAGTCGGAAAAACAAAGACAGTATCCAGAATGGTGTATACATTAACGAAATAAACAAGGGGTGTTTTCTTACAT

30,600

TIA1

TIA1-205

TIA1-205

AGAGACCATGTATGCTTGTTTACCAGTGTGTCCCTAGCTCTTAACCGCATGCCTGGAACATAACTGTTCAATATTTATTTGTTGG
TCTCTGGTACATACGAACAAATGGTTCACACAGGGATCGAGAATTGGCGTACGGACCTTGTATTGACAAGTTATAAATAAACAACC

30,685

TIA1

TIA1-205

TIA1-205

ATGAATGAGAAACCAAATATTGTTAACAAGCTTGTTAGATTGTTTAAAGATTTTCTTCTATAGTAGTCTGAGTTGCATGAACTTTA
TACTTACTCTTTGGTTTATAACAATTGTTTCGAACAATCTAACAATTCTAAAAGAAGATATCATCAGACTCAACGTACTTGAAAT

30,770

TIA1

TIA1-205

TIA1-205

TGATATCTACCTCATTAGGGCTGTCGGGCTCACGACCTTTTCAGATGATTAATGTTCCCAAAATTTAATATTCAAATAAGAGAAA
ACTATAGATGGAGTAATCCCGACAGCCCGAGTGCTGGAAAAGTCTACTAATTACAAGGGTTTTAAATTATAAGTTTATTCTCTTT

30,855

TIA1

TIA1-205

TIA1-205

AACAATACAAAAGCACCATTGGGTTGAGCATGGTGGCTCATGCCTGTAATCCTAGCACTTTGGGAAGCTGAGGTGGACAGATCAC
TTGTTATGTTTTCGTGGAACCCAACTCGTACCACCGAGTACGGACATTAGGATCGTGAAACCCTTCGACTCCACCTGTCTAGTG

30,940

TIA1

TIA1-205

TIA1-205

TTGAGGTCAGAAGTTTGGAGACCAGGGCCGGGCACAGTGGCTCACGCCTGTAATCCCAGCACTTTGAGAGGCCGAGTTGGGAGGAT
AACTCCAGTCTTCAAACCTCTGGTCCCGGCCGTGTCACCGAGTGC GGACATTAGGGTCGTGAAACTCTCCGGCTCAACCTCCTA

31,025

TIA1

TIA1-205

TIA1-205

CACGAGGTCAGGAGATCGAGACCATCCTGGCTAACATGGCGAAACCGTGTCTCTACTAAAAATACAAAAAATGAGCCAGGCGTGG
GTGCTCCAGTCCTCTAGCTCTGGTAGGACCGATTGTACCGCTTTGGCACAGAGATGATTTTTATGTTTTTTACTCGGTCCGCACC

31,110

TIA1

TIA1-205

TIA1-205

TGGCAGGTGCCCGTAGTCCCAGCTACTTGGGAGGCTGAGGCAGGAGAATGGCGTGAACCTGGGAGGCAGAGCTTGCAGTGAGCCG
ACCGTCCACGGGCATCAGGGTCGATGAACCCTCCGACTCCGTCTCTTACC GCACTTGGACCCTCCGTCTCGAACGTCACTCGGC

31,195

TIA1

TIA1-205

TIA1-205

AGATCACGCCATTACACTCCAGCCTGGGCCACAGAGCGAGACTTAAAAAAGAAAAAAAAAAGAAGAAGTTCGAGACCAGCCT
TCTAGTGCGGTAATGTGAGGTCGGACCCGGTGTCTCGCTCTGAATTTTTTCTTTTTTTTTCTTCTTCTTCAAGCTCTGGTCGGA

31,280

TIA1

TIA1-205

TIA1-205

GGCCAATATGGCGAAACCCATCTCTACTACAAATACAAAAATTAGCCAGGCATGGTGGCAGATGCCTGTAATCCCCGCTACTCA
CCGGTTATACCGCTTTGGGGTAGAGATGATGTTTATGTTTTAATCGGTCCGTACCACCGTCTACGGACATTAGGGGGCGATGAGT

31,365

TIA1

TIA1-205

TIA1-205

GGAGGCTGAGGCAGGAGAATCGCTTGAACCCAGTTGGCGGAGGTTGCAGTGACCCAAGATCACACCACTGCACTCCATCCTGGGT
CCTCCGACTCCGTCTCTTAGCGAACTTGGGTCAACCGCCTCCAACGTCCTGAGTTCTAGTGTGGTGACGTGAGGTAGGACCCA

31,450

TIA1

TIA1-205

TIA1-205

GACAGAGCGAGACTCTATCTGAAAAATAAATAAAATAAAATTTAAAAATATAAAAAAGCACCATTGCATTTTAGGAAAGCTATCA
CTGTCTCGCTCTGAGATAGACTTTTTTATTTATTTATTTTAAATTTTTATATTTTTCTGTGGTAACGTAAAATCCTTTTCGATAGT

31,535

TIA1

TIA1-205

TIA1-205

TATGTTGTGATTTTCATAGAGCATTTTCACTTAAACATTTGTGAAAAGCACCAAGTTTTCTCTACTGCTAAGAGTTGTTTAAACAT
ATACAACACATAAAGTATCTCGTAAAAGTGAATTTGTAAACACTTTTCGTGGTTCAAAGAGATGACGATTCTCAACAAATTGTA

31,620

TIA1

TIA1-205

TIA1-205

CAACTAATAGTGACTTCTTTATTGTTTTCTAATGTTGTACGGAACAGGATGCTGAAAACGCCATTCAACAGATGGGTGGCCAGTGG
GTTGATTATCACTGAAGAAATAACAAAGATTACAACATGCCTTGTCTACGACTTTTTGCGGTAAGTTGTCTACCCACCGGTCACC

31,705

TIA1

TIA1-205

D A E N A I Q Q M G G Q W
ENSE00003566761

TIA1-205

CTTGGTGAAGACAAATCAGAACTAACTGGGCAACCCGAAAGCCTCCCGCTCCAAAGAGTACATATGAGTGTAGGTGTATTGGAG
GAACCACCTTCTGTTTAGTCTTGATTGACCCGTTGGGCTTTCGGAGGGCGAGGTTTCTCATGTATACTCACATCCACATAACCTC

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

AAGAAAAGGAAATGTGGAATTTTGGAGAAAAATACGCTAGATTTTTAAATGTTAGAGCTGTTCCCGGAGACTTATTGCAGAAATAG
TTCTTTTCCTTTACACCTTAAACCTCTTTTTATGCGATCTAAAATTTACAATCTCGACAAGGGCCTCTGAATAACGTCTTTATC

31,875

TIA1

TIA1-205

TIA1-205

ATGAGAAGCAAATCAAGACTACTATTCAAAAATGTAAGTCTTTTATTTTGTAAATATAAATAATATTATTTCTAATGTCAAG
TACTCTTCGTTTAGTTCTGATGATAAGTTTTTACATGAATCAAAGTAAAAACATTAATATTTATTATAATAAAGATTACAGTTC

31,960

TIA1

TIA1-205

TIA1-205

TCTCCTATTAATAGAAAATACTGGGTAATTTTTTAGACATTCGTGGGGGAGGTTTAATTCTGAACTGAAGTATAATATGTGTAA
AGAGGATAATTTATCTTTTTATGACCCATTAAAAATCTGTAAGCACCCCTCCAAATTAAGACTTGACTTCATATTATACACATT

32,045

TIA1

TIA1-205

TIA1-205

TATAAGCATTTTGATCAAGGTTAATGTTACCTTTACAGTAGTGTAGTGAATGCTACTTTTCTCTTTCTGCACATTTTATTTAATG
ATATTCGTAAAAC TAGTTCCAATTACAATGGAAATGTCATCACATCACTTACGATGAAAAGAGAAAAGACGTGTAATAAATAAATTAC

32,130

TIA1

TIA1-205

TIA1-205

AATTAAGACATAAACCTTTTCTCTCACCAGCAAATACCAAACAGCTATCATATGATGAGGTTGTAAATCAGTCTAGTCCAAGCA
TTAATTTCTGTATTTGGAAAAGAGAGTGGTCGTTTATGGTTTGTGATAGTATACTACTCCAACATTTAGTCAGATCAGGTTTCGT

32,215

TIA1

TIA1-205

S N T K Q L S Y D E V N Q S S P S
ENSE00003649765

TIA1-205

ACTGTAAGTATGTAAGTGGAGGTTACTTCTGGGCTAACAGGATGGGAGCCTTCCCTGTGTGGCATTAAATTTTTAAAGTGCAA
TGACATGACATATGACACCTCCACAATGAAGACCCGATTGTCCATACCCTCGGAAGGGACACACCGTAATTAATAAATTTTACGTT

32,300

TIA1

TIA1-205

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

ENSE00003649765

TIA1-205

AGCTTAATATTTGTAGGATTTTTATATAACTTAGTGTGATTTGTTTGTGTTTTGGTTTTTGTCTAACAGAACAATAATGCGTCAG
TCGAATTATAAACATCCTAAAAATATATTGAATCACACTAAACAAACAAAACCAAAAAACAGATTGTCTTGTTGATTACGCAGTC

32,385

TIA1

TIA1-205

230
E Q L M R Q

ENSE00003493550

TIA1-205

ACTTTTTACCATTTGGACAAATAATGGAAATTCGAGTCTTTCCAGATAAAGGATATTCATTTGTTTCGGTAGGGATGGTTTTTTA
TGAAAAAGTGGTAAACCTGTTTATTACCTTTAAGCTCAGAAAGGTCTATTTCTATAAGTAAACAAGCCATCCCTACCAAAAAAT

32,470

TIA1

TIA1-205

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

ENSE00003493550

TIA1-205

AAAAAACATTTTTCTTGGTAATGTAAGTGGAAAACAGAAAAATAAATAAAAAATAAAAACTTTTTCTCCAAAATATTTTTTGAA
TTTTTTGTAAAAAGAACCATTACATTGACCTTTTGGTCTTTTATTTATTTTTATTTTTTAAAAAGGAGGTTTTATAAAAACTT

32,555

TIA1

TIA1-205

TIA1-205

CATTTACCTCGTTTTCTTAAAAATTTACCTTGGTTATAAAAAAGTTGAAATTTTGGCCGGGTGCGGTGGCTCACGCCTGTATTCC
GTAAATGGAGCAAAAAGAATTTTTAAATGGAACCAATATTTTTTCAACTTTAAAACCGGCCACGCCACCGAGTGCGGACATAAGG

32,640

TIA1

TIA1-205

TIA1-205

CAGCACTTTGGGAGGCCGAGACGGGTGGATCACCGTCATGAGTTTGGAGACCAGCCTGGCCAACATTGTGAAACCCCGTCTCTACT
GTCGTGAAACCCCTCCGGCTCTGCCACCTAGTGGCAGTACTCAAACCTCTGGTCGGACCGTTGTAACACTTTGGGGCAGAGATGA

32,725

TIA1

TIA1-205

TIA1-205

AAAAATACAAAAATATAAAAAATTAGCCGGCATGGCGGTGCATGCCTGTAATCACAGCTACTCGGGAGGCTGAGGCAGGAGAATCA
TTTTTATGTTTTTATTTTTAATCGGCCGTACCGCCACGTACGGACATTAGTGTGATGAGCCCTCCGACTCCGTCTCTTAGT

32,810

TIA1

TIA1-205

TIA1-205

CTTGAACCCAGGAGGTGGAGGTTGCAGTGAGCCAAGATCACAATCACTGCACTCCAGCATGGGCAACAGAGCCAGACACCATCTC
GAACTTGGGTCTCTCCACCTCCAACGTCACCTCGGTTCTAGTGTTAGTGACGTGAGGTCGTACCCGTTGTCTCGGTCTGTGGTAGAG

32,895

TIA1

TIA1-205

TIA1-205

AAAAAAAAAATTGAAATTTCTCTAGCATCCAGCGTATTTGCCTCTGTGATTTTATAGCTCCCTCCCTAACACAAGGCCAGTGA
TTTTTTTTTTTTAACTTTAAAGAGATCGTAGGTCGCATAAACGGAGACACTAAAATATCGAGGGAGGGATTGTGTTCCGGTCACT

32,980

TIA1

TIA1-205

TIA1-205

AACACACATTCTTTGTTAACACAAGTTGCCCCAGAACTACAAGATCTTTGAAAAAATAGCAAAGAAAATATGCCATGTTACGCA
TTGTGTGTAAGAAACAATTGTGTTCAACGGGGTCTTGATGTTCTAGAAACTTTTTTATCGTTTCTTTTATACGGTACAATGCGT

33,065

TIA1

TIA1-205

TIA1-205

AACTGTTTTACCTCAGACTCACCTTGATTTTTAAAAATAGGTTTTATTTCATAAATATTTAAAAGAATTTGTATTGGTGATTCTTA
TTGACAAAATGGAGTCTGAGTGGAACATAAAAAATTTTTATCCAAAATAAGTATTTATAAATTTTCTTAAACATAACCACTAAGAAT

33,150

TIA1

TIA1-205

TIA1-205

ATATTGTTTTCAATAGGTTCAATTCATGAAAAGTGCAGCACATGCAATTGTTTCTGTTAATGGTACTACCATTGAAGGTCATGT
TATAACAAAAGTTATCCAAGTTAAGGGTACTTTTACGTCGTGTACGTTAACAAAAGACAATTACCATGATGGTAACTTCCAGTACA

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
ACACTTTACGATAACCCCGTTTCTTTGAGAACTATACTATTTAGGGCACGTTGTCCACTCTCCAAGAATTGAAACTCTTCATTA

33,320

TIA1

TIA1-205

V K C Y W G K E T L D M I N P V Q Q

ENSE00003604011

TIA1-205

TGTTGGGCTAATAATGTTATTTTTAAGGTGAAGATTGTTGATAATCCTTGTTAATAAGTTTCTAGCTAAAATGATAGTATATAAGG
ACAACCCGATTATTACAATAAAAATTCACCTTCTAACAACTATTAGGAACAATTATTCAAAGATCGATTTTACTATCATATATTCC

33,405

TIA1

TIA1-205

TIA1-205

GCTCTTCCTACATGTATTATAGTTCCAGAATGGTGTTCATGGATTGCAGTGGTGACATGATGAATGTGACCGCCTCAATTGACT
CGAGAAGGATGTACATAATATCAAGGTCTTACCACAAAGTACCTAACGTCACCACTGTACTACTTACACTGGCGGAGTTAACTGA

33,490

TIA1

TIA1-205

TIA1-205

CATGCTCACACAGTGGATTTTAAAATGCTCCGAGAAACCTAAAAGGGTATTACATCTTTTTTTAATACTTGGTAGATTTATTCAC
GTACGAGTGTGTACCTAAAATTTTACGAGGGCTCTTTGGATTTTCCATAATGTAGAAAAAAATTATGAACCATCTAAATAAGTG

33,575

TIA1

TIA1-205

TIA1-205

ATACCATTTGGAGAACTCACAAGCATGCTTGACTCAACTGAAACAAAAATAAAGCTGTAAATATAGTTATGGCCTTGGCATTITTT
TATGGTAAACCTCTTGAGTGTTCGTACGAACTGAGTTGACTTTGTTTTTATTTTCGACATTTATATCAATACCGGAACCGTAAAAA

33,660

TIA1

TIA1-205

TIA1-205

CTTCCAGATTTTGCTGCCTTTTTTTTTCCAGGCAGCTTTAGTGGTTCAAACCTTGATTCCACAAAGATTTCTATGAGGAAACTGTAA
GAAGGTCTAAAACGACGGAAAAAAAAGGTCCGTCGAAATCACCAGTTTGAACCTAAGGTGTTTCTAAAGATACTCCTTTGACATT

33,745

TIA1

TIA1-205

TIA1-205

ATGGAGCACAGAGATGGGAGTAAGCAAATCCTAAACTATATAAGTGTCTTAAGTAAGCTGAATATAGAAATAATTAATCACATCT
TACCTCGTGTCTCTACCCTCATTTCGTTTAGGATTTGATATATTCACAGAATTCATTTCGACTTATATCTTTATTAATTAGTGTAGA

33,830

TIA1

TIA1-205

TIA1-205

TCCCTATCTAAAGGAAACAATCATGTAGATAGTATACCAAACTTAAACATTCTACTAAGTTTAAACATTTATTACTAGGGTATC
AGGGATAGATTTTCTTTGTTAGTACATCTATCATATGGTTTGTGAATTTGTAAGATGATTCAAATTGTAAATAATGATCCCATAG

33,915

TIA1

TIA1-205

TIA1-205

AACTGATGCCTTCCAAAACTATGCCATTCAGAGTATCACGTAGAGTTACAGCAGTATAACCTCACTTGTITTTGTTGTTGTTTTT
TTGACTACGGAAGGTTTTTGTATACGGTAAGTCTCATAGTGCATCTCAATGTCGTCATATTGGAGTGAACAAAACAACAACAAAAA

34,000

TIA1

TIA1-205

TIA1-205

TGTTTTTTTTTTTTTTTTTTTTTTTTTTTTAGCAGTCAACTCTTGTATTATCCTGTCATTTTAATTGTAATGATGGCCCTGTGTGTTT
ACAAAAAAAAAAAAAAAAAAAAAAAAAATCGTCAGTTGAGAACAATAGGACAGTAAAAATTAACATTACTACCGGGACACACAAA

34,085

TIA1

TIA1-205

TIA1-205

TGGCTAAGAATTTGTGGTATCAGCATATTAGGATTGTATATATATAGTTAACTTCAAGTAATACTAAATTTTATTTAATAGCAGA
ACCGATTCTTAAACACCATAGTCGTATAATCCTAACATATATATCAATTGAAGTTCATTATGATTTAAAAATAAATTATCGTCT

34,170

TIA1

TIA1-205

Q
ENS...

TIA1-205

ATCAAATTGGATATCCCCAACCTTATGGCCAGTGGGGCCAGTGGTATGGAAATGCACAACAAATTGGCCAGTATATGCCTAATGG
TAGTTTAACTATAGGGGTTGGAATACCGGTCACCCCGGTCACCATACCTTTACGTGTTGTTTAAACCGGTCATATACGGATTACC

34,255

TIA1

TIA1-205

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

TTGGCAAGTTCTGCATATGGAATGTATGGCCAGGCATGGAACCAGCAAGGATTTAAGTAAGCATATCTTATGTCTTCTTTACT
AACCGTTCAAGGACGTATACCTTACATACCGGTCGGTACCTTGGTCGTTCTTAAATTCATTTCGTATAGAATACAGAAGGAAATGA

34,340

TIA1

TIA1-205

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

ENSE00003663994

TIA1-205

AACCTTTGAAAATGTCTAAAGAAATTTAAGTAGGAAGAAATTTAAGAATTAGTGGGTAATAGGGCCTCTTATGTAAAGCGTAA
TTGGAAACTTTTACAGATTTCTTTAAAATTCATCCTTCTTTAAAATTCCTAATCACCCATTATCCCGGAGAATACATTTTCGCATT

34,425

TIA1

TIA1-205

TIA1-205

CTATAGCCTTGAAAGAACTTAAAATTGTTTTTTAGTAAGAAAATAAGAGCTTAATAGTTGTTAAGCTTTTTCACATGACTAATGGT
GATATCGGAACTTTCTTGAATTTTAAACAAAAATCATTCTTTTATTCTCGAATTATCAACAATTCGAAAAGTGTACTGATTACCA

34,510

TIA1

TIA1-205

TIA1-205

CACTTAGCCATTCTTATATACACTGAGTTTGATGCTAGTTGTTGTATTTCATTATGCTTTTTTCTGTACAAAGGGTTTTTTCAATA
GTGAATCGGTAAGAATATATGTGACTCAAACCTACGATCAACAACATAAGTAATACGAAAAAAGACATGTTTCCCAAAAAAGTTAT

34,595

TIA1

TIA1-205

TIA1-205

TGCCTTGTTACATTGCAAGCTTCCTTATACACCCTGAATTACACTATTTTACTTACATTTCTGAAAAACACACTGGAAATAAAAA
ACGGAACAATGTAACGTTTCGAAGGAATATGTGGGACTTAATGTGATAAAATGAATGTAAAGACTTTTTTGTGTGACCTTTATTTTTT

34,680

TIA1

TIA1-205

TIA1-205

TACTTGAGAGGTTAAAAAGGAATTTAGTGGGCTGGGCGTGGTAGTTTCTGCCTGTAATCCCAGCATTTTTGGGAGGCTGAAGTGGG
ATGAACTCTCCAATTTTTCTTAAATCACCCGACCCGCACCATCAAGGACGGACATTAGGGTCGTA AAAACCTCCGACTTCACCC

34,765

TIA1

TIA1-205

TIA1-205

TGGATCACTTGAGGCCAGGAGTTTGCAGCCAGCCTGGCCAACATGGCGAAACCCACCTCTGCTAAAAATACAAAAATTAGCCAG
ACCTAGTGAACCTCCGGTCTCAAACGCTGGTCGGACCGGTTGTACCGCTTTGGGGTGGAGACGATTTTTATGTTTTTAATCGGTC

34,850

TIA1

TIA1-205

TIA1-205

GTGTAGTGGTGCACACCAGTAGTTCCAGCTATTTGGGAGGCCGAGGCAGGAGAATCACTTGAACCTGGGAGGCCGAGGTTGCAGT
CACATCACACGCTGTGGTCATCAAGGTCGATAAACCTCCGGCTCCGTCCTTCTTAGTGAACCTGGACCTCCGCTCCAACGTCA

34,935

TIA1

TIA1-205

TIA1-205

GAGCTGAGACTACACCACTGCACTCCAGCCTGGGCAGCAGAGCAAGACTCTGTCTCAAAAAAAAAAAGGATTTTTGTGGTTGGGC
CTCGACTCTGATGTGGTGACGTGAGGTCGGACCCGTCGTCTCGTTCTGAGACAGAGTTTTTTTTTTTTTCTTAAACACCAACCCG

35,020

TIA1

TIA1-205

TIA1-205

ATGGTGGCTCATGCCTATAATCCTAGCACTTTGGAAGGCCAAGGCAGGCGGATCACTTGAGTCCAGGAGTTTAAGATCAGCCTGG
TACCACCGAGTACGGATATTAGGATCGTGAAACCTTCCGGTTCCGTCGCTAGTGAACCTCAGGTCCTCAAATTCTAGTCGGACC

35,105

TIA1

TIA1-205

TIA1-205

GCAACATGGCGAAATCTCATCTCTACAAAAGGTACAAAAAAATTAGCCAGGCATGGTGGTTGCGTGCCTATAATCCCAGATGTT
CGTTGTACCGCTTTAGAGTAGAGATGTTTTCCATGTTTTTTTAAATCGGTCGCTACCACCAACGCACGGATATTAGGGTCTACAA

35,190

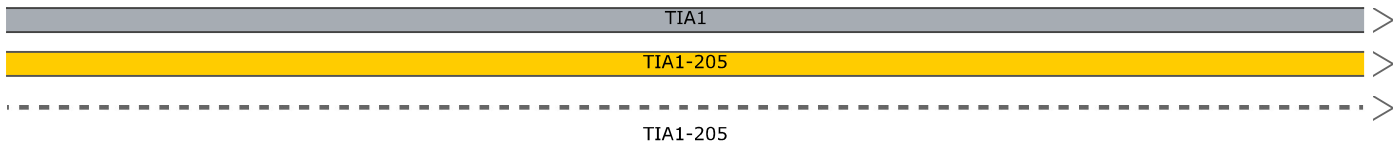
TIA1

TIA1-205

TIA1-205

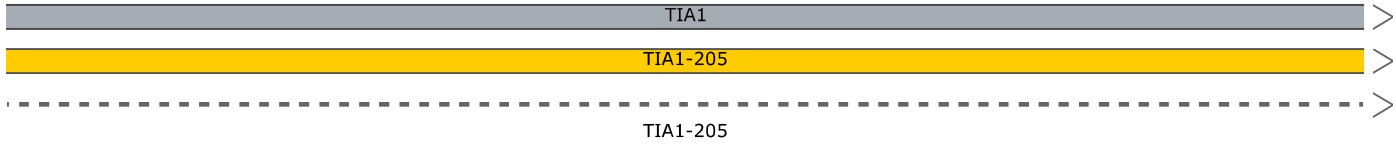
CGGGAGACTGAGGTAGGAGAATCGCTTGAGCCTGGGGAGACGTAGGTTGCAAGTGAGCTGAGATCATACCACTGTACTCCAGCCTG
GCCCTCTGACTCCATCCTCTTAGCGAACTCGGACCCCTCTGCATCCAACGTCAGTCTGACTCTAGTATGGTGACATGAGGTCGGAC

35,275



GGTGACACAATGAAAACCTGTCTTAAAAAAAAAAAAAAAAAAGAAAAGAAAAGAAAATCTTGTAAATGTTATGAATTTTTATGAGCTT
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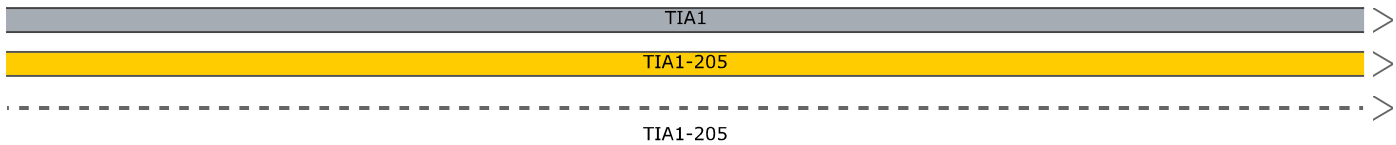
35,360



PCR Forward
TCTTTCAG

TCATATGCTAATAATTGTTTTGATTTCTTCTTTGAGTAGTATAATGTTCCTTTTTCGTTGTAGGGAAACCTACCTGACTCTTTCAG
AGTATACGATTATTAACAAAACCTAAAGAAGAACTCATCATATTACAAGGAAAAAGCAACATCCCTTGGATGGACTGAGAAAAGTC

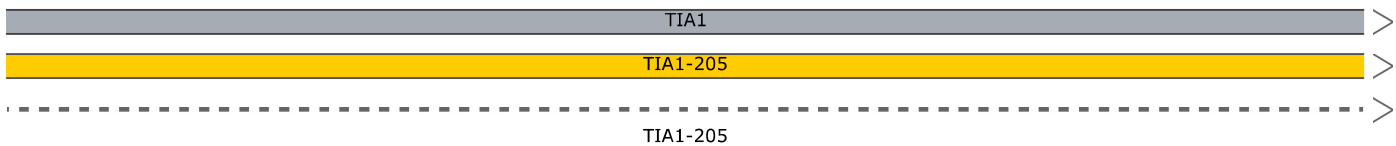
35,445



PCR Forward
GTAGTGGTTTCCTCAGC

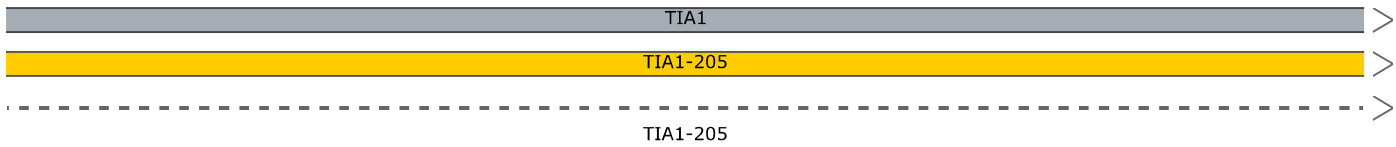
GTAGTGGTTTCCTCAGCAAATATGTTCAACCAAGGCATAGAGATGAGATGGATAGCTTTCTTTTCCAAGAATGGGGTTAGGTTTT
CATCACCAAAGGAGTCGTTTATACAAGTTGGTTCCGTATCTCTACTCTACCTATCGAAAGAAAAGGTTCTTACCCCAATCCAAA

35,530



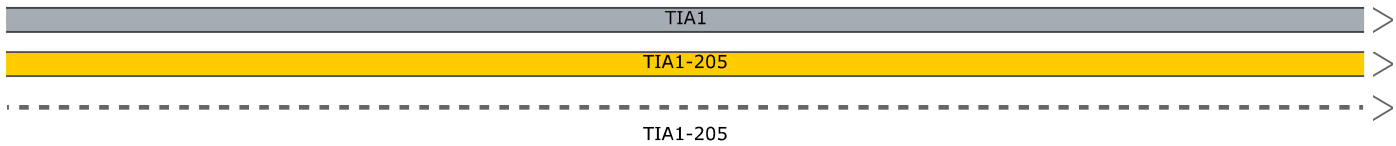
TCTATATTCAAAGGAGATGAATGTTGATAAGTTCAGGGTATTTTTCTTAGCTTTAATTTCTAACAAAATTAAACTGTCCAAATTA
AGATATAAGTTTTCTCTACTTACAACCTATTCAAGTCCCATAAAAGAAATCGAAAATTAAAGATTGTTTTAATTTGACAGGTTTAATT

35,615



ACATACAGGGATGCTTGTGTTTTAAGAGAAAAAACTTTAGTAAAAGATTTTCAATTTCCCTAGCATAAATTATTCTATTTGGGATT
TGTATGTCCCTACGAACAAAATTTCTTTTTTTGAAATCATTTTCTAAAGTAAAAGGGATCGTATTTAATAAGATAAACCCCTAA

35,700



Sanger Sequence

AATCAGTGGATTTCTCT

AAGAAAAAGTATGTTTCCCATTTCCCATATTTGTTCTTGTGTTTGTTCCTTGCCAATACTTTATTTTAAATCAGTGGATTTCTCT
TTCTTTTTTCATACAAAGGGTAAAGGGTATAAACAAGAACAACAACAAGAACGGTTATGAAATAAAATTAGTCACCTAAAGGAGA

35,785

TIA1

TIA1-205

TIA1-205

Sanger Sequence

CC

gRNA Protospacer

TATGGAGTGCAACCGCCT

CCCCTCTGCTTCTTTTACATTCTCCACCAGTCAGACACAGTCTTCTGCACCATGGATGGGACCAAATTATGGAGTGCAACCGCCT
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

CA

CAAGGGCAAAATGGCAGCATGTTGCCCAATCAGCCTTCTGGGTATCGAGTGGCAGGGTATGAAACCCAGTGAATAAGGACTCCAG
GTTCCCGTTTTACCGTCGTACAACGGGTTAGTCGGAAGACCCATAGCTCACCGTCCCATACTTTGGGTCACCTATTCTTGAGGTC

35,955

TIA1

TIA1-205

TIA1-205

Donor Template WT -> SNV

PAM

Protospacer Sequence

GTTCCCGTTTTACCGTCGTACAACGGGTTAGTCGGAAGACCCATAGCTCACCGTCCCATACTTT

Donor Template WT -> SNV

AATCTAAAGCCAGTGGCTTGAGGCTACAGGGAGTGTAGTAAAGCCGTTGTTTACTTAAAGATTTATCAAATCAGTCAGTGCAAAT
TTAGATTTTCGGTCACCGAACTCCGATGTCCCTCACATCATTTTCGGCAACAAATGAATTTCTAAATAGTTTAGTCAGTCACGTTTA

36,040

TIA1

TIA1-205

GTCAGATACAATGATTTTAAAAAGATTCATTTTAAATCATGAAATTACTTATCATCCACATTGTTTTAAAAAGAAACAAGAT
CAGTCTATGTTACATAAAATAAATTTCTAAGTAAAAATTAGTACTTTAATGAATAGTAGGTGTAACAAAATTTTCTTTGTTCTA

36,125

TIA1

TIA1-205

GCTGGATGTCTGCCAATTTTTGCCTTCATTACCTTTTTTGATAAAGTTTTCTCAGATCCTTGTTCAAACACAAATGCAGGGATTG
CGACCTACAGACGGTTAAAAACGGAAGTAATGGAAAAAACTATTTCAAAGAGTCTAGGAACAAAGTTTGTGTTTACGTCCCTAAC

36,210

TIA1

TIA1-205

CTGCCACTTTTTAACTATTAAGAGGCAGAAAATTGCACAATATTGAACTTTTTTCCACTGAAGTAGTGTGCAGTTCTAGTTTGCA
GACGGTGAAAAATTGATAATTCTCCGTCTTTAACGTGTTATAACTTGAAAAAAGGTGACTTCATCACACGTCAAGATCAAACGT

36,295

TIA1

TIA1-205

TTCCTGATATGATTTAAACATGTAATATAAAGATGTTAAAAAACCACAAACTGTGCAGAGTCTAGAAGTTGTTTGTTCATC
AAGGACTATACTAAATTTTGTACATTATATTTCTACAATTTTTTTTTTGGTTTTGACACGTCTCAGATCTTCAACAAACAGTAG

36,380

TIA1

TIA1-205

TTCAGCTTGTGCACAATTCTGTTTTAGGTTAAAAAAGGCATTGTTTTGAGCTGTCCCATCTCCACTGTTATCCCTTTGGGGTTTT
AAGTCGAACACGTGTTAAGACAAAATCCAATTTTTTCCGTAACAAACTCGACAGGGTAGAGGTGACAATAGGGAAACCCCAAAA

36,465

TIA1

TIA1-205

CCGTAACAAACTCGACAGGGTAGAG
PCR Reverse

TTAATATAAATTATTAGTTTACATCATTTTTGTATCTACATCTTTTTTACAAAATTTGTCTTGCCTTATTAAAGTTCTGTAAAAT
AATTATATTTAATAATCAAATGTAGTAAAAACATAGATGTAGAAAAAAGTGTTTAAACAGAACGGAATAATTTCAAGACATTTTA

36,550

TIA1

TIA1-205

ATACTTAAATGGAAAAAATGATGTTTCATTTAGATTGAAAACTTTTCTCAGATGGATTGATAATTGCATTCATCTTGTGTTTTATA
TATGAATTTACCTTTTTTACTACAAGTAAATCTAACTTTTGAAAAGAGTCTACCTAACTATTAACGTAAGTAGAACACAAAATAT

36,635

TIA1

TIA1-205

TGAGAAGGTGCCTCAAGAATTTCTGTTGGATTTGTTTAAAAGGATTTTTATCTTTTCGTGATAAACTTTGCTGTGTACCAGGAAC
ACTCTTCCACGGAGTTCTTAAAGGACAACCTAAACAAATTTTCTAAAAATAGAAAGCACTATTTGAAACGACACATGGTCCTTG

36,720

TIA1

TIA1-205

TATAAAAAACAAAACTTGTTACTAAAGAAAATATCTGAAATGTGATAAGTTCTTATGCCATGTTAATTTTCATGTGTCAACTTCAA
ATATTTTTGTTTTTGAACAATGATTTCTTTTATAGACTTTACACTATTCAAGAATACGGTACAATTAAGTACACAGTTGAAGTT

36,805

TIA1

TIA1-205

CATTTACATGTATTATTTTATTATGTAAAATGTTTTAGCAATTTAATATTTTGACAGTTAGCAAACCTTTGTATGTCATTTTCCTT
GTAAAATGTACATAATAAAGTAATACATTTTACAAAATCGTTAAATTATAAAACGTGTCAATCGTTTGAACATACAGTAAAGGAA

36,890

TIA1

TIA1-205

CAAGGCATCATGCAGAGTTGACATGAGATTTATAAGGTTTTAAGTTGTTTGCATGTGAAAATCAAATACATACTTTGGTAGTCTT
GTTCCGTAGTACGTCTCAACTGTA CTACTCTAAATATTCCAAAATTCAACAAACGTACACTTTTAGTATTATGTATGAAACCATCAGAA

36,975

TIA1

TIA1-205

TGAATACAAAGTCATCTGCTCTTGT TTTTTCAAGAATTTTGAGACACAAAGTTGTATGTAAAGGAATATATTAATTTGCCGTTTTTC
ACTTATGTTTCAGTAGACGAGAACA AAAAGTTCTTAAACTCTGTGTTTCAACATACATTTCCCTTATATAATTA AACGGCAAAAAG

37,060

TIA1

TIA1-205

TAGGTAGATTTGCTCAAAAAGAGTGAATCAACTTAATATGTACAAATGATAGCTGTGAAACTGTAGAATATCTTTGTGTCAGGCT
ATCCATCTAAACGAGTTTTTCTCACTTAGTTGAATTATACATGTTTACTATCGACACTTTGACATCTTATAGAAACACAGTCCGA

37,145

TIA1

TIA1-205

TGGAGTTCATTGTGACCTCCAAAATTTGCCTGAAGGACCAGCTGGGCAAAGCATCTTTTAAATGTTTCAGAGGCCAAAAGATAAAC
ACCTCAAGTAACACTGGAGGTTTAAAACGGACTTCCTGGTCGACCCGTTTCGTAGAAAATTTACAAGTCTCCGGTTTTCTATTTG

37,230

TIA1

TIA1-205

AAAAAAAAAACCTTAAATCCTACCTCTTTAAACAGCCTTCAGATAAGAGAATCCTCAGTGCAATCATTATTTTGATTGTTTTGG
TTTTTTTTTTTGGAAATTTAGGATGGAGAAATTTGTCGGAAGTCTATTCTCTTAGGAGTCACGTTAGTAATAAACTAAGCAAACC

37,315

TIA1

TIA1-205

TACCTGTTTTCTGGAGTTC CCGATTTTATTATTTGGGGTGGCTCCAAGCATTAAAGAGTTTAACTTTTGATGGCATTGTTCTA
ATGGACAAAAGGACCTCAAGGGCTAAAATAATAAAACCCACCGAGGTTCTGTAATTTCTCAAATTAGAAACTACCGTAACAAGAT

37,400

TIA1

TIA1-205

GTTTTGAAATTTCTAGTATATTT CAGAGTCTCTTAGAAGACTTGTGTGGGAAGTTTCACTTTGTTTT CAGTGAAGATCACAAACC
CAAACTTTAAAGATCATATAAAGTCTCAGAGAATCTTCTGAACACACCCCTTCAAAGTGAAACAAAAGTCACTTCTAGTGT TTTGG

37,485

TIA1

TIA1-205

TCCTTCTTCTTTACTCAAGAGGAAAGGTCCAGTATACATATTTGAATGGTTGATGGTTTTCAAGACCTTCAGGGAGCTCCCTG
AGGAAGAAGGAAATGAGTTCTCTTTCCAGGGTCATATGTATAA ACTTACCAACTACCAAAAAGTTCTGGAAGTCCCTCGAGGGAC

37,570

TIA1

TIA1-205

CATTTTACCTAGAAACAGAAAAGGCCCGCAAAATCTTAAGTTTCTGGCCTGCATTTCCCGGGTAGGGGCAAATGACTCCAAGCT
GTA AATGGATCTTTGTCTTTTCCGGGCGTTTTAGAAATTC AAAGGACCGGACGTAAAGGGCCCATCCCGTTTTACTGAGGTTTCGA

37,655

TIA1

TIA1-205

GGTCTCTAAGCCAATACCTTATAAACCAGAGCCCAGGAAAGACAGCTCGAGTGTATAATTCTCTGGAGCTCAATTCTATGCAGT
CCAGAGATTCGGTTATGGGAATATTTGGTCTCGGGTCCTTTCTGTGAGCTCACATATTAAGAGACCTCGAGTTAAGATACGTCA

37,740

TIA1

TIA1-205

TGTGCTGATATTTTCATTAAGTCACTGTGTATTTTTAAGTGTTGATACATTAAAAAGTCGCTTTATGGAAGATGAGTAAATTTTTTA
ACACGACTATAAAGTAATTCAGTGACACATAAAAAATTCACAACATATGTAATTTTCAGCGAAATACCTTCTACTCATTTAAAAAAT

37,825

TIA1

TIA1-205

AATACTTGGAAATTTTATTTTCCTTGTTAACTTCTACAGATCAGGGCATGCAACCAAAGCAGCTTAAATGAAATATTTTTAAAATA
TTATGAACCTTTAAAAATAAAGGAACAATTGAAGATGTCTAGTCCCCTACGTTGGTTTTTCGTCGAATTTACTTTATAAAATTTTAT

37,910

TIA1

TIA1-205

AAATATCAGGAAGCTATTTTTAGATTTCTTCTGGCTTATGTTTCTACTTTAGGACCCCTCATTGTTCTCTTATTAATAAAAAATTAT
TTTATAGTCCTTCGATAAAAAATCTAAAGAAGACCGAATACAAAGATGAAATCCTGGGAGTAACAAGAGAATAATTTTTTTTTAATA

37,995

TIA1

TIA1-205

TTCCTGTGCATCTCATGGACTGCAGGGTAAATTTATTTGGGCATAAATAATTTAAATAGTTTTCTTTTCAATTTTACTATCTCCAGT
AAGGACACGTAGAGTACCTGACGTCCCATTTAATAAACCCGTATTTATTAAATTTATCAAAAGAAAGTAAAACCTGATAGAGGTCA

38,080

TIA1

TIA1-205

AATAACAGTTTTTTATTATCCAGCATATTGGCTTATTGCACAAATCTTAAATGTACATTGACTACTTTCTGAGAAGAAAGTGGTA
TTATTGTCAAAAAATAATAGGTTCGTATAACCGAATAACGTGTTTAGAATTTTACATGTAACCTGATGAAAGACTCTTCTTTTACCAT

38,165

TIA1

TIA1-205

TCAGTACTCATGATGAAAAGGTTACTACTGAACAAATTCACATTTTCAGGAACACCTCTATCTTTGGTTTTAAATCTTACTCTTAGT
AGTCATGAGTACTACTTTTCCAATGATGACTTGTTTAAGTGTAAGTCCTTGTGGAGATAGAAACCAAATTTAGAATGAGAATCA

38,250

TIA1

TIA1-205

TTTTCCGTCTAAAAATCATACTGGTATTAGTATCAGGTAAGGAAATTAAGTTTTTAAATGGTTTCATTCTCTGCAATATGCAA
AAAAGGCAGATTTTTAGTATGACCATAATCATAGTCCATTCCTTTAATTTCAAAAAATTTTACCAAAGTAAGAGACGTTATACGTT

38,335

TIA1

TIA1-205

AATTTAGATTTTACTTTCTGGTACTGTAAAGAACCCTGAAGTGATTTACACTTAATGGGTGATTAATCCAGTATTCTTTACCCTGA
TTAAATCTAAAATGAAAGACCATGACATTTCTTGGACTTCACTAAATGTGAATTACCCACTAATTAGGTCATAAGAAATGGGACT

38,420

TIA1

TIA1-205

ATGTTTGGATATTAAGTTCCTTTATGTTTTCTATAACCTGTGGGATCTTCTTGCAGTGATTATTGTGTGTGAGATTTTTTTTCT
TACAAACCTATAATTTCAAGGAAATACAAAAGATATTGGACACCCTAGAAGAACGTCACTAATAACACACACTCTAAAAAAAAGA

38,505

TIA1

TIA1-205

TTTTGGTCTATCCATATTGTTATATTTCACTCAGGTATTTTTTTTTTAAATCTTATTCCAGAATCAGTGGTTTTATATTGGGTTACTG
AAAACCAGATAGGTATAACAATATAAGTGAGTCCATAAAAAAAAATTAGAATAAGGTCTTAGTCACCAAATATAACCCAATGAC

38,590

TIA1

TIA1-205

TTTAACACCAAATGGAATTGGCATTCTGCAGATTTAATTAATTATGAAACCAGGGTCTCATTTCCTTGCTGATACTTGTTGAAA
AAATTGTGGTTTACCTTAACCGTAAGACGTCTAAATTAATTAATACTTTGGTCCCAGAGTAAAAGGAACGACTATGAACAACCTTT

38,675

TIA1

TIA1-205

ATGAGATTCACATTCTAGTCTTTATTTTCCTCCTGTTTTGTCCCTGTGCTTGTACATCTTCCTTTTATTTGTGTGTTATAGTTCT
TACTCTAAGTGTAAGATCAGAAATAAAAAGGAGGACAAAACAGGGACACGAACATGTAGAAGGAAAATAAACACACAATATCAAGA

38,760

TIA1

TIA1-205

ATTCCATTTGAGAAGGCAGTTGGTAAGAACTAGATTGCATGTACAAAGACAGGTTTACTAAGTGCTGTACAGTGGTCCTGAGGTT
TAAGGTAAACTCTTCCGTCAACCATTCTTGATCTAACGTACATGTTTCTGTCCAAATGATTCACGACATGTCACCAGGACTCCAA

38,845

TIA1

TIA1-205

ACAGTTGAATTAGAAAAACGAAATGTACTTACAGGAAATAAGAAAGCAAACCTTTCAAATGAGAGTGATGATTTCTTTAAAAAAA
TGTCAACTTAATCTTTTTGCTTTACATGAATGTCTTTATTCTTTTCGTTTGGAAAGTTTACTCTCACTACTAAAGAAATTTTTTT

38,930

TIA1

TIA1-205

ATCAGTTTTTTTCTCTCAAATAATGTTCTTTATTTACGAAATCGTCAATCTTAAGCATGAGCAGGGATAAAACAACTCCTAGAAG
TAGTCAAAAAAAGAGAGTTTATTACAAGAAATAAAGTGCTTTAGCAGTTAGAATTCGTACTCGTCCCTATTTGTTGAGGATCTTC

39,015

TIA1

TIA1-205

GAACTCAATTCATTCTTCTGGATTTTCTCTGTTGTTAAATCACAAAAATGATAGTCCCAATCGTTTTCTTTATAGGAGGTTATT
CTTGAGTTAAGTAAGAAGGACCTAAAAGAGACAACAATTTAGTGTTTTTACTATCAGGGGTTAGCAAAGAAATATCTCCAATAA

39,100

TIA1

TIA1-205

ACATTTCAATACAGTCACTGCATTTTACTGTTGTGTTTAGAATTTGAATGTACATCCAAAATGATGAGTTTCAATTTAAGAGCC
TGTAAGTAATGTCAGTGACGTAAAACGACAACACAAATCTTAAACTTACATGTAGGTTTTACTACTCAAAGTTAAATTTCTCGG

39,185

TIA1

TIA1-205

TTAATAAAATGTGTGAGTGTGTCTCAATTGAA
AATTATTTTACACACTCACACAGAGTTAACTT

3'

39,217







5'

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,,EVKVNWATT PSSQKKDT S,,SSTVVSTQRSQ,,DHFHVFVGDLSPEITTEDIKAAFA PFGRIS,,DARVVKDMATGKSKGYGFV SFFNKW,,DAENAIQ Q MGGQ WLGGRQ IRTNW ATRKPPAPKSTYE,,SNTKQLSYDEVVNQ SSPSNCTVYCGGVTSGLT,,EQLMRQTFSPFGQIMEIRVFPDKGYSFVR,,FN SHESAAHAIVSVNGTTIEGHVVKCYW G KETLDMINPVQQ,,NQIGYPQPYGQWGQWYGNAQQIGQYMPNGWQVPAYGMYGQA WNWQQGFN,,QTQSSAPWMPNYGV			
TIA1-203	231 .. 35,942	35,712 bp	■ →	CDS
▶ 12 segments = 1128 bp				
/note	= coding sequence ENSP00000404023			
/translation	= MEDEMPKTL,,YVGNLSRDVTEALILQLFSQIGPCKNCKMIMD,,TAGNDPYCFVEFHEHRHAAAAALAA MNGRKIMGK,,EVKVNWATT PSSQKKDT S,,NHFHVFVGDLSPEITTEDIKAAFA PFGRIS,,DARVVKDMATGKSKGYGFV SFFNKW,,DAENAIQ Q MGGQ WLGGRQ IRTNWATR KPPAPKSTY E,,SNTKQLSYDEVVNQ SSPSNCTVYCGGVTSGLT,,EQLMRQTFSPFGQIMEIRVFPDKGYSFVR,,FN SHESAAHAIVSVNGTTIEGHVVKCYW G KETLDMINPVQQ,,QNQIGYPQPYGQWGQWYGNAQQIGQYMPNGWQVPAYGMYGQA WNWQQGFN,,QTQSSAPWMPNYGV			
✓ TIA1-205	231 .. 35,942	35,712 bp	■ →	CDS
▶ 13 segments = 1161 bp				
/note	= coding sequence ENSP00000401371			
/translation	= MEDEMPKTL,,YVGNLSRDVTEALILQLFSQIGPCKNCKMIMD,,TAGNDPYCFVEFHEHRHAAAAALAA MNGRKIMGK,,EVKVNWATT PSSQKKDT S,,SSTVVSTQRSQ,,DHFHVFVGDLSPEITTEDIKAAFA PFGRIS,,DARVVKDMATGKSKGYGFV SFFNKW,,DAENAIQ Q MGGQ WLGGRQ IRTNW ATRKPPAPKSTYE,,SNTKQLSYDEVVNQ SSPSNCTVYCGGVTSGLT,,EQLMRQTFSPFGQIMEIRVFPDKGYSFVR,,FN SHESAAHAIVSVNGTTIEGHVVKCYW G KETLDMINPVQQ,,NQIGYPQPYGQWGQWYGNAQQIGQYMPNGWQVPAYGMYGQA WNWQQGFN,,QTQSSAPWMPNYGV			

Feature	Location	Size	Start	End	Type
TIA1-206	231 .. 35,942	35,712 bp		→	CDS
▶ 10 segments = 858 bp					
/note	= coding sequence ENSP00000399567				
/translation	= MEDEMPKTL,,YVGNLSRDVTEALILQLFSQIGPCKNCKMIMD,,TAGNDPYCFVEFHEHRHAAAALAA MNGRKIMGK,,EVKVNWATTPSSQKKDTS,,NHFHV FVGDLSPEITTEDIKAA FAPFGRIS,,DARVV KDMATGKSKGYGFV SFFNKW,,DA ENAIQ Q MGGQ WLGGRQ IRTN WATRKPPAPKSTY E,,SNTKQ LSYDEVVNQ SSPSNCTVYCGGVT SGLT,,EQLMRQ TFSPFGQ IMEIRV FPDKGYSFVR,,QTQSSAPWMPNYGVQ PPQGQNGSMLPN QSSGRRVAGYETQ *31.6 kDa				
TIA1-204	231 .. 31,837	31,607 bp		→	CDS
▶ 8 segments = 645 bp					
/note	= coding sequence ENSP00000413751				
/translation	= MEDEMPKTL,,YVGNLSRDVTEALILQLFSQIGPCKNCKMIMD,,TAGNDPYCFVEFHEHRHAAAALAA MNGRKIMGK,,EVKVNWATTPSSQKKDTS,,SSTVVSTQRSQ,,DHFHV FVGDLSPEITTEDIKAA FAPFGRIS,,DARVV KDMATGKSKGYGFV SFFNKW,,DA ENAIQ Q MGGQ WLGGRQ IRTN WATRKPPAPKSTY E,,SNTKQ LSYDEVVNQ SSPSNCTVYCGGVT SGLT,,EQLMRQ TFSPFGQ IMEIRV FPDKGYSFVR,,QTQSSAPWMPNYGVQ PPQGQNGSMLPN QSSGRRVAGYETQ *31.6 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*SLLFCGVS*ASSCSCSISCYEWTE DNG*,,GSQSELGN NP*QSKERYKQ,,SFPCLCW*SQPRNYN*RYKSCFCTIWKNI,,RCP SGRHRGNR KV*GIWLC LLFQ Q MGELSEKCMDNA *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	= MRQT FSPFGQ IMEIRV FPDKGYSFVR,,FNSHESAAHAIVSVNGTTIEGHVV KCYWGKETLDMINPVQQ,,Q NQIGYPQ PYGQ WGWY GNAQQI GQYMPNGWQVPAYGMYGQA WNWQQG 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				
Donor Template WT -> SNV	35,835 .. 35,934	100 bp		⇌	misc_feature
Protospacer Sequence	35,853 .. 35,872	20 bp		⇌	misc_feature

Feature	Location	Size			Type
✓ 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	T _m	Date Added
✓ PCR Forward /sequence = TCTTTCAGGTAGTGGTTTCCTCAGC 48% GC / 7630.0 Da	25-mer	35,438 .. 35,462	60°C	Jan 18, 2023
✓ Sanger Sequence /sequence = AATCAGTGGATTCCTCTCC 45% GC / 6043.0 Da	20-mer	35,768 .. 35,787	54°C	Jan 18, 2023
✓ Donor Template WT -> SNV /sequence = TTTTCATACCCTGCCACTCGATACCCAGAAAGGCTGATTGGGCAACATGCTGCCATTTGCCCTTGAGGGCAGTTGCACTCCATAATTTGGTC 51% GC / 6211.9 Da	100-mer	35,835 .. 35,934	78°C	Jan 18, 2023
✓ gRNA Protospacer /sequence = TATGGAGTGCAACCGCCTCA 55% GC / 6102.0 Da	20-mer	35,853 .. 35,872	60°C	Jan 18, 2023
✓ PCR Reverse /sequence = GAGATGGGACAGCTCAAACAATGCC 52% GC / 7709.1 Da	25-mer	36,418 .. 36,442	62°C	Jan 18, 2023