

Data S1. The sequences of the overexpression vector and corresponding control, the TCTN1 promoter-reporter and the deletion mutants.

Sequences of the TFAP2A overexpression lentivirus (oeTFAP2A)

ATGGGTCGAGCTTGTTCGATGCCCCACCACTGGAGTG
CGAAAACACACTCACACTCGCATCGCACCCAGCACA
TCCAGCAGTCAGTCAGCTTCGGTTCCCGGGCCAGGG
ACTGACCGGGAAAGCGGGTTGGGGCTGTTGGGA
AAAGCTGGAGCTGATGGCAAGATTGCCGCGGCTA
TAAATCCATCACTTCCCAGGTCAGCTCTGTGCGGCG
CTGGGACTGCAGCTGGCGGAGTGAATTCCTGGGCCA
GCGCGCATGCGTCGGCAGGTAGCAACCCAGCTCTTT
ATGACCAGGACCGTCACGACGGCACCAGCAACGGGA
CGGCACGGTTGCCCCAGCTGGGCACTGTAGGTCAAT
CTCCCTACACGAGCGCCCCGCCGCTGTCCACACCC
CCAATGCCGACTTCCAGCCCCCATACTTCCCCCAC
CCTACCAGCCTATCTACCCCCAGTCGCAAGATCCTT
ACTCCCACGTCAACGACCCCTACAGCCTGAACCCCC
TGCACGCCCAGCCGCAGCCGCAGCACCCAGGCTGGC
CCGGCCAGAGGCAGAGCCAGGAGTCTGGGCTCCTGC
ACACGCACCGGGGGCTGCCTCACCAGCTGTGCGGGC
TGGATCCTCGCAGGGACTACAGGCGGCACGAGGACC
TCCTGCACGGCCACACGCGCTCAGCTCAGGACTCG
GAGACCTCTCGATCCACTCCTTACCTCACGCCATCG
AGGAGGTCCCGCATGTAGAAGACCCGGGTATTAACA
TCCAGATCAAACCTGTAATTAAGAAAGGCCCGTGT
CCCTGTCCAAGTCCAACAGCAATGCCGTCTCCGCCA
TCCCTATTAACAAGGACAACCTCTTCGGCGGCGTGG
TGAACCCCAACGAAGTCTTCTGTTTCAGTTCCGGGT
GCCTCTCGCTCCTCAGCTCCACCTCGAAGTACAAG
TCACGGTGGCGGAAGTGCAGCGGCGGCTCTCACCAC
CCGAGTGTCTCAACGCGTCGCTGCTGGGCGGAGTGC
TCCGGAGGGCGAAGTCTAAAAATGGAGGAAGAT
CTTTAAGAGAAAAACTGGACAAAATAGGATTAAATC
TGCCTGCAGGGAGACGTAAAGCTGCCAACGTTACCC
TGCTCACATCACTAGTAGAGGGAGAAGCTGTCCACC
TAGCCAGGGACTTTGGGTACGTGTGCGAAACCGAAT
TTCTGCCAAAGCAGTAGCTGAATTTCTCAACCGAC
AACATTCGGATCCCAATGAGCAAGTGACAAGAAAAA
ACATGCTCCTGGCTACAAAACAGATATGCAAAGAGT
TCACCGACCTGCTGGCTCAGGACCGATCTCCCCTGG
GGAATCACGGCCCAACCCCATCTGGAGCCCGGCA
TCCAGAGCTGCTTGACCCACTTCAACCTCATCTCCC
ACGGCTTCGGCAGCCCCGCGGTGTGTGCCGCGGTCA
CGGCCCTGCAGAACTATCTACCGAGGCCCTCAAGG
CCATGGACAAAATGTACCTCAGCAACAACCCCAACA
GCCACACGGACAACAACGCCAAAAGCAGTGACA
AAGAGGAGAAGCACAGAAAGTGA

Sequences of the Control overexpression lentivirus (oeCon)

AAGGGTCGAGCTTGTTCGAAGCCCCACCACTGGAGTG
CGAAAACACACTCACACTCGCATCGCACCCAGCACA
TCCAGCAGTCAGTCAGCTTCGGTTCCCGGGCCAGGG
ACTGACCGGGAAAGCGGGTTGGGGCTGTTGGGA
AAAGCTGGAGCTGAAGGCAAGATTGCCGCGGCT
ATAAATCCATCACTTCCCAGGTCAGCTCTGTGCGGC

GCTGGGACTGCAGCTGGCGGAGTGAATTCCTGGGCC
AGCGCGCAAGCGTCGGCAGGTAGCAACCCAGCTCTT
TAAGACCAGGACCGTCACGACGGCACCAGCAACGGG
ACGGCACGGTTGCCCCAGCTGGGCACTGTAGGTCAA
TCTCCCTACACGAGCGCCCCGCCGCTGTCCCACACC
CCCAAAGCCGACTTCCAGCCCCCATACTTCCCCCA
CCCTACCAGCCTATCTACCCCCAGTCGCAAGATCCT
TACTCCCACGTCAACGACCCCTACAGCCTGAACCCC
CTGCACGCCCAGCCGCAGCCGCAGCACCCAGGCTGG
CCCGGCCAGAGGCAGAGCCAGGAGTCTGGGCTCCTG
CACACGCACCGGGGGCTGCCTCACCAGCTGTGCGGGC
CTGGATCCTCGCAGGGACTACAGGCGGCACGAGGAC
CTCCTGCACGGCCACACGCGCTCAGCTCAGGACTC
GGAGACCTCTCGATCCACTCCTTACCTCACGCCATC
GAGGAGGTCCCGCAAGTAGAAGACCCGGGTATTAAC
ATCCCAGATCAAACCTGTAATTAAGAAAGGCCCGTG
TCCCTGTCCAAGTCCAACAGCAAAGCCGTCTCCGCC
ATCCCTATTAACAAGGACAACCTCTTCGGCGGCGTG
GTGAACCCCAACGAAGTCTTCTGTTTCAGTTCCGGGT
CGCCTCTCGCTCCTCAGCTCCACCTCGAAGTACAAG
GTCACGGTGGCGGAAGTGCAGCGGCGGCTCTCACC
CCCGAGTGTCTCAACGCGTCGCTGCTGGGCGGAGTG
CTCCGGAGGGCGAAGTCTAAAAAAGGAGGAAGA
TCTTTAAGAGAAAAACTGGACAAAATAGGATTAAAT
CTGCCTGCAGGGAGACGTAAAGCTGCCAACGTTACC
CTGCTCACATCACTAGTAGAGGGAGAAGCTGTCCAC
CTAGCCAGGGACTTTGGGTACGTGTGCGAAACCGAA
TTTCTTGCCAAAGCAGTAGCTGAATTTCTCAACCGA
CAACATTCGGATCCCAAAGAGCAAGTGACAAGAAAA
AACAAGCTCCTGGCTACAAAACAGATAAGCAAAGAG
TTCACCGACCTGCTGGCTCAGGACCGATCTCCCCTG
GGGAATCACGGCCCAACCCCATCTGGAGCCCGG
CATCCAGAGCTGCTTGACCCACTTCAACCTCATCTC
CCACGGCTTCGGCAGCCCCGCGGTGTGTGCCGCGGT
CACGGCCCTGCAGAACTATCTACCGAGGCCCTCAA
GGCCAAGGACAAAAAGTACCTCAGCAACAACCC
CAACAGCCACACGGACAACAACGCCAAAAGCAGTGA
CAAAGAGGAGAAGCACAGAAAGTGA

TCTN1 promoter (-1,500/+50)

AGCGATCCTCCCAAAGGGCTGGGAGTACAGGTGTGA
GCCACTGTGCCTGGCCACGTCTAAGTACTTCGACAT
CTACTTCTGAAGTGTATGGAGATTAAAGTGTCAAAGG
TGCAGCCAACATTCTTGGGCTTGGGTACCTCCTAAA
TAAGCCCATTGAGAATGGAGAGGGTTTCCTAAATCG
TAGGGTCTCCAGGTCGTTTTGTAGCATTACAGTGGA
TTTGCTTTGTTTTCCCCTTTAAGATGTCTAAATTAT
TTTACTTAATTTTTGTAAAAGATTTTTGTCTTTAAA
TAGGTTCTTAGGCCTGGCGTGGTGGCTCATGCCTGT
AATCCTAGCTCTTTGGGAGGTGTGAGGCGGAGGATC
ACTTGAGCCAGGAGTTTGTGACTAGCCTGATCAAC
ATAGTGAGACCCCTCTCTACAAAAAATAATAAAG
GTATTAAGTGTTTATTGTCCCTTTATCACAATAC
AGCAGACAGAAAGTTATCTGGCAACCTTGTGAGATGC
AGCTAAAAATAAAAAGGTGAAGCCAGTGTGACAGAG
TCTGGGATAGAGAAAATTCAGAGACAGTGATCTCAC
AGATCCCTGTGCTCCTTCCAAACACCCAGTTAGTG
GCGTTGGGACGGCGCTTCCTAAATTTCCGTCCAAC
CATCTGCTTGCGTCCGGACATTTGTTAAAAATATTT

ATTCCTGGCTGGGAGTGGTGGCTCACGCCTGTAATC
CCAACTACTCAGGACTCAGGAGGCTGGAGCAGGTGG
ATCACTTGAACCAGGAGTTCGATACCAGTCCGGGCG
ACGGAGGGAGACCTCGTCTTTACAAAAA
AAAAAAAAAAAAAAAAATACAAAAATTAGCTGGGT
ATGGTGGCGCGCGCTGAGTTCACAGCTACTCAGGA
GGCTGAAGTGGGAGGATTGCTTGAGTCCCAGAGGTC
GAGGCTGCAGTGAGCCGAGATCGCGCTACTGCACTC
CAGCCTGGGCGACAGAGTGAGACCCTGTCTCAAAAA
AAATCCCCCAAAACTGATTCTGGGTCTGCCCTA
GACTAACTGACTCAGGATCTCCTGAGGTGGTACCTG
GAAATCCGTCCTTTTTTTTTTTTTTTTTTTTTTTG
TTGAGACAGAGTGTCACTGTGCGCCAGGCTGGAG
TGCAGTGGCACGCTCACGGCTCTCTGTAGCCTTCAC
CTCCCGGGTTCAAGCGATTCTTCTGCCTCAGCCTCC
CGAGTAGCTGGAATAACAGAAAATCTGCATTTTTTA
AGCAAGCGCCGCGGACCGGTTGGAACACAGC
CGGGATTTACACGCCCCCTCGTTTACGCCAGCTTCAC
ACCCGCTCACTAGTGCTCGCCCCCTGTGCCTGCCATC
GCTGCCTCACCCAGGCGCCGCCCTCCGGCCTCATCC
GGGATCCGCCCCCTGCCTCATCCAGGCTTCGCCCCA
GTCAGTCTCCGGCAGCTTCTCGCGGCTTCGCAAGCC
CCTTCCCGTGATGCCCCGCGCCTGGCTGTGCGGGT
GCCGGGCAACGCGCTGTCCATGTGCGGGCCTCGCT
GGGACTCCCTG

TCTN1 promoter (-1,215/+50)

AAATAGGTTCTTAGGCCTGGCGTGGTGGCTCATGCC
TGTAATCCTAGCTCTTTGGGAGGCTGAGGCGGGAGG
ATCACTTGAGGCCAGGAGTTTGTGACTAGCCTGATC
AACATAGTGAGACCCCTCTCTACAAAAATAATAA
AAGGTATTAAGTGTTCAATTTGTCCCCTTTATCACA
TACAGCAGACAGAAGTTATCTGGCAACCTTGTGAGA
TGCAGCTAAAATAAAAAGGTGAAGCCAGTGTTGACA
GAGTCTGGGATAGAGAAAATTACAGAGACAGTGATCT
CACAGATCCCTGTGCTCCTTCCAAACACCCACGTTA
GTGGCGTTGGGACGGCGCTTCTAAATTTCCGTCCA
ACTCATCTGCTTGCGTCCGGACATTTGTAAAAATA
TTTATTCCTGGCTGGGAGTGGTGGCTCACGCCTGTA
ATCCCAACTACTCAGGACTCAGGAGGCTGGAGCAGG
TGGATCACTTGAACCAGGAGTTCGATACCAGTCCGG
GCGACGGAGGGAGACCTCGTCTTTACAAAAA
AAAAAAAAAAAAAAAAATACAAAAATTAGCTG
GGTATGGTGGCGCGCGCCTGAGTTCACAGCTACTCA
GGAGGCTGAAGTGGGAGGATTGCTTGAGTCCCAGAG
GTCGAGGCTGCAGTGAGCCGAGATCGCGCTACTGCA
CTCCAGCCTGGGCGACAGAGTGAGACCCTGTCTCAA
AAAAATCCCCCAAAACTGATTCTGGGTCTGCC
CTAGACTAACTGACTCAGGATCTCCTGAGGTGGTAC
CTGGAATCCGTCCTTTTTTTTTTTTTTTTTTTTTT
TGGTTGAGACAGAGTGTCACACTGTGCGCCAGGCTG
GAGTGACAGTGGCAGCTCACGGCTCTCTGTAGCCTT
CAGTCCCGGGTTCAAGCGATTCTTCTGCCTCAGCC
TCCCGAGTAGCTGGAATAACAGAAAATCTGCATTTT
TTAAGCAAGCGCCGCGGACCGGTTGGAACACAGC
CGGGATTTACACGCCCCCTCGTTTACGCCAGCTTCAC
ACCCGCTCACTAGTGCTCGCCCCCTGTGCCTGCCATC
GCTGCCTCACCCAGGCGCCGCCCTCCGGCCTCATCC
GGGATCCGCCCCCTGCCTCATCCAGGCTTCGCCCCA

GTCAGTCTCCGGCAGCTTCTCGCGGCTTCGCAAGCC
CCTTCCCGTGATGCCCCGCGCCTGGCTGTGCGGGT
GCCGGGCAACGCGCTGTCCATGTGCGGGCCTCG
CTGGGACTCCCTG

TCTN1 promoter (-1,011/+50)

AACCTTGTGAGATGCAGCTAAAATAAAAAGGTG
AAGCCAGTGTTGACAGAGTCTGGGATAGAGAAAATT
CAGAGACAGTGATCTCACAGATCCCTGTGCTCCTTC
CAAACACCCACGTTAGTGCGCTTGGGACGGCGCTTC
CTAAATTTCCGTCCAACCTCATCTGCTTGCGTCCGGA
CATTTGTAAAAATATTTATTCTGGCTGGGAGTGG
TGGCTCACGCCTGTAATCCCAACTACTCAGGACTCA
GGAGGCTGGAGCAGGTGGATCACTTGAACCAGGAGT
TCGATACCAGTCCGGGCGACGGAGGGAGACCTCGTC
TTTACAAAAA
AAAAATTAGCTGGGTATGGTGGCGCGCGCCTGAGTT
CCCAGCTACTCAGGAGGCTGAAGTGGGAGGATTGCT
TGAGTCCCAGAGGTGAGGCTGCAGTGAGCCGAGAT
CGCGCTACTGCACTCCAGCCTGGGCGACAGAGTGA
GACCCTGTCTCAAAAAAATCCCCCAAAACTGATT
CCTGGGTCTGCCCTAGACTAACTGACTCAGGATCT
CCTGAGGTGGTACCTGGAAATCCGTCCTTTTTTTTTT
TTTTTTTTTTTTTGGTTGAGACAGAGTGTCACACT
GTCGCCCAGGCTGGAGTGAGTGACGCTCACGGC
TCTCTGTAGCCTTACCTCCCGGGTTCAAGCGATTCT
TTCTGCCTCAGCCTCCCGAGTAGCTGGAATAACAGA
AAATCTGCATTTTTTAAGCAAGCGCCGCGGACCGGT
TGGAACACAGCCGGGATTTACACGCCCCCTCGTTT
ACGCCAGCTTCACACCCGCTCACTAGTGCTCGCCCC
TGTGCCTGCCATCGCTGCCTCACCCAGGCGCCGCC
TCCGGCCTCATCCGGGATCCGCCCCCTGCCTCATCC
AGGCTTCGCCCCAGTCAGTCTCCGGCAGCTTCTCGC
GGCTTCGCAAGCCCCCTCCCGTGATGCCCCGCGCCT
GGCTGTGCGGGTTGCCGGGCAACGCGCTGTCCATGT
CGCGGGCCTCGCTGGGACTCCCTG

TCTN1 promoter (-794/+50)

TCACGCCTGTAATCCCAACTACTCAGGACTCAGGAG
GCTGGAGCAGGTGGATCACTTGAACCAGGAGTTCGA
TACCAGTCCGGGCGACGGAGGGAGACCTCGTCTTTA
CAAAAAA
ATTAGCTGGGTATGGTGGCGCGCGCCTGAGTCCCA
GCTACTCAGGAGGCTGAAGTGGGAGGATTGCTTGAG
TCCAGAGGTGAGGCTGCAGTGAGCCGAGATCGCG
CTACTGCACTCCAGCCTGGGCGACAGAGTGAGACCC
TGTCTCAAAAAAATCCCCCAAAACTGATTCTCTGG
GCTCTGCCCTAGACTAACTGACTCAGGATCTCCTGA
GGTGGTACCTGGAAATCCGTCCTTTTTTTTTTTTTT
TTTTTTTTTGGTTGAGACAGAGTGTCACACTGTGCG
CCAGGCTGGAGTGAGTGAGGACGCTCACGGCTCTCT
GTAGCCTTACCTCCCGGGTTCAAGCGATTCTTCTG
CCTCAGCCTCCCGAGTAGCTGGAATAACAGAAAATC
TGCATTTTTTAAGCAAGCGCCGCGGACCGGTTGGA
ACCACAGCCGGGATTTACACGCCCCCTCGTTTACGCC
AGCTTCACACCCGCTCACTAGTGCTCGCCCCCTGTGC
CTGCCATCGCTGCCTCACCCAGGCGCCGCCCTCCGG
CCTCATCCGGGATCCGCCCCCTGCCTCATCCAGGCT

TCGCCCCAGTCAGTCTCCGGCAGCTTCTCGCGGCT
TCGCAAGCCCCTTCCCGTGATGCCCCGCGCCTGGCT
GTCGCGGTTGCCGGGCAACGCGCTGTCCATGTCGCG
GGCCTCGCTGGGACTCCCTG

TCTN1 promoter -600/+50

AGTGGGAGGATTGCTTGAGTCCCAGAGGTCGAGGCT
GCAGTGAGCCGAGATCGCGCTACTGCACTCCAGCCT
GGGCGACAGAGTGAGACCCTGTCTCAAAAAAAAAA
TCCCCCAAAAACCTGATTCCCTGGGTCCCTGCCCTAGAC
TAACTGACTCAGGATCTCCTGAGGTGGTACCTGGAA
ATCCGTCCTTTTTTTTTTTTTTTTTTTTTTTTGGTTG
AGACAGAGTGTCACACTGTCGCCCAGGCTGGAGTGC
AGTGGCACGCTCACGGCTCTCTGTAGCCTTCACCTC
CCGGGTTCAAGCGATTCTTCTGCCTCAGCCTCCCGA
GTAGCTGGAATAACAGAAAATCTGCATTTTTTAAAGC
AAGCGCCGCGGACCGGTTGGAAACCACAGCCGG
GATTTACACGCCCCCTCGTTTACGCCAGCTTCACACC
CGCTCACTAGTGCTCGCCCCCTGTGCCTGCCATCGCT
GCCTCACCCAGGCGCCGCCCTCCGGCCTCATCCGGG
ATCCGCCCCCTGCCTCATCCAGGCTTCGCCCCAGTC
AGTCTCCGGCAGCTTCTCGCGGCTTCGCAAGCCCCT
TCCCGTGATGCCCCGCGCCTGGCTGTGCGGGTTGCC
GGGCAACGCGCTGTCCATGTGCGGGGCTCGCTGGG
ACTCCCTG

TCTN1 promoter -392/+50

GGTTGAGACAGAGTGTCACACTGTCGCCCAGGCTGG
AGTGCAAGTGGCACGCTCACGGCTCTCTGTAGCCTTC
ACCTCCCGGGTTCAAGCGATTCTTCTGCCTCAGCCT
CCCGAGTAGCTGGAATAACAGAAAATCTGCATTTTT
TAAGCAAGCGCCGCGGACCGGTTGGAAACCACA
GCCGGGATTTACACGCCCCCTCGTTTACGCCAGCTTC
ACACCCGCTCACTAGTGCTCGCCCCCTGTGCCTGCCA
TCGCTGCCTCACCCAGGCGCCGCCCTCCGGCCTCAT
CCGGGATCCGCCCCCTGCCTCATCCAGGCTTCGCCC
CAGTCAGTCTCCGGCAGCTTCTCGCGGCTTCGCAAG
CCCCTTCCCGTGATGCCCCGCGCCTGGCTGTGCGGG
TTGCCGGGCAACGCGCTGTCCATGTGCGGGGCTCG
CTGGGACTCCCTG

TCTN1 promoter (-227/+50)

TTGGAAACCACAGCCGGGATTTACACGCCCCCTCGTT
TACGCCAGCTTCACACCCGCTCACTAGTGCTCGCCC
CTGTGCCTGCCATCGCTGCCTCACCCAGGCGCCGCC
CTCCGGCCTCATCCGGGATCCGCCCCCTGCCTCATC
CAGGCTTCGCCCCAGTCAGTCTCCGGCAGCTTCTCG
CGGCTTCGCAAGCCCCTTCCCGTGATGCCCCGCGCC
TGGCTGTGCGGGTTGCCGGGCAACGCGCTGTCCATG
TCGCGGGCCTCGCTGGGACTCCCTG

TCTN1 promoter (-1,500/-207)

AGCGATCCTCCCAAAGGGCTGGGAGTACAGGTGTGA
GCCACTGTGCCTGGCCACGTCTAAGTACTTCGACAT
CTACTTCTGAACTGTATGGAGATTAAGTGTCAAAGG
TGCAGCCAACATTCTTGGGCTTGGGTACCTCCTAAA

TAAGCCCATTTCAGAATGGAGAGGGTTTCCTAAATCG
TAGGGTCTCCAGGTCTGTTTTGTAGCATTACAGTGGA
TTTGCTTTGTTTTCCCCTTTAAGATGTCTAAATTAT
TTTACTTAATTTTTGTAAAAGATTTTTGTCTTTAAA
TAGGTTCTTAGGCCTGGCGTGGTGGCTCATGCCTGT
AATCCTAGCTCTTTGGGAGGCTGAGGCGGGAGGA
TCACTTGAGGCCAGGAGTTTGTGACTAGCCTGATCA
ACATAGTGAGACCCCCTCTCTACAAAAAATAATAAA
AGGTATTAAGTGTTCAATTTGTCCCCTTTATCACAAT
ACAGCAGACAGAAGTTATCTGGCAACCTTGTGAGAT
GCAGCTAAAATAAAAAGGTGAAGCCAGTGTTGACAG
AGTCTGGGATAGAGAAAATTAGAGACAGTGATCTC
ACAGATCCCTGTGCTCCTTCCAAACACCCACGTTAG
TGGCGTTGGGACGGCGCTTCTTAAATTTCCGTCCAA
CTCATCTGCTTGCCTCCGGACATTTGTTAAAAATAT
TTATTCCTGGCTGGGAGTGTTGGCTCACGCCTGTAA
TCCCAACTACTCAGGACTCAGGAGGCTGGAGCAGGT
GGATCACTTGAACCAGGAGTTCGATACCAGTCCGGG
CGACGGAGGGAGACCTCGTCTTTACAAAAAAA
AAAAAAAAAAAAAAAAAATACAAAAATTAGCTGG
GTATGGTGGCGCGCGCCTGAGTTCCCAGCTACTCAG
GAGGCTGAAGTGGGAGGATTGCTTGAGTCCCAGAGG
TCGAGGCTGCAGTGAGCCGAGATCGCGCTACTGCAC
TCCAGCCTGGGCGACAGAGTGAGACCCTGTCTCAA
AAAAATCCCCCAAAAACCTGATTCTGGGTCTGCCC
TAGACTAACTGACTCAGGATCTCCTGAGGTGGTACC
TGGAATCCGTCCTTTTTTTTTTTTTTTTTTTTTTT
GGTTGAGACAGAGTGTCACACTGTCGCCCAGGCTGG
AGTGCAAGTGGCACGCTCACGGCTCTCTGTAGCCTTC
ACCTCCCGGGTTCAAGCGATTCTTCTGCCTCAGCCT
CCCGAGTAGCTGGAATAACAGAAAATCTGCATTTTT
TAAGCAAGCGCCGCGGACCGGTTGGAAACCACA
GCCGGGATT

TCTN1 promoter (-1,500/-417)

AGCGATCCTCCCAAAGGGCTGGGAGTACAGGTGTGA
GCCACTGTGCCTGGCCACGTCTAAGTACTTCGACAT
CTACTTCTGAACTGTATGGAGATTAAGTGTCAAAGG
TGCAGCCAACATTCTTGGGCTTGGGTACCTCCTAAA
TAAGCCCATTTCAGAATGGAGAGGGTTTCCTAAATCG
TAGGGTCTCCAGGTCTGTTTTGTAGCATTACAGTGGA
TTTGCTTTGTTTTCCCCTTTAAGATGTCTAAATTAT
TTTACTTAATTTTTGTAAAAGATTTTTGTCTTTAAA
TAGGTTCTTAGGCCTGGCGTGGTGGCTCATGCCTGT
AATCCTAGCTCTTTGGGAGGCTGAGGCGGGAGGATC
ACTTGAGGCCAGGAGTTTGTGACTAGCCTGATCAAC
ATAGTGAGACCCCCTCTCTACAAAAAATAATAAAAG
GTATTAAGTGTTCAATTTGTCCCCTTTATCACAATAC
AGCAGACAGAAGTTATCTGGCAACCTTGTGAGATGC
AGCTAAAATAAAAAGGTGAAGCCAGTGTTGACAGAG
TCTGGGATAGAGAAAATTAGAGACAGTGTCTCAC
AGATCCCTGTGCTCCTTCCAAACACCCACGTTAGTG
GCGTTGGGACGGCGCTTCTTAAATTTCCGTCCAACT
CATCTGCTTGCCTCCGGACATTTGTTAAAAATATTT
ATTCTTGGCTGGGAGTGTTGGCTCACGCCTGTAATC
CCAATACTCAGGACTCAGGAGGCTGGAGCAGGTGG
ATCACTTGAACCAGGAGTTCGATACCAGTCCGGGCG
ACGGAGGGAGACCTCGTCTTTACAAAAAAA
AAAAAAAAAAAAAAAAAATACAAAAATTAGCTGGGT

ATGGTGGCGCGCGCCTGAGTTCCCAGCTACTCAGGA
GGCTGAAGTGGGAGGATTGCTTGAGTCCCAGAGGTC
GAGGCTGCAGTGAGCCGAGATCGCGCTACTGCACTC
CAGCCTGGGCGACAGAGTGAGACCCTGTCTCAAAAA
AAATCCCCCAAAACTGATTCTGGGTCTGCCCTA
GACTAACTGACTCAGGATCTCCTGAGGTGGTACCTG
GAAATCCGTC

TCTN1 promoter (-1,500/-600)

AGCGATCCTCCCAAAGGGCTGGGAGTACAGGTGTGA
GCCACTGTGCCTGGCCACGTCTAAGTACTTCGACAT
CTACTTCTGAAGTGTATGGAGATTAAAGTGTCAAAGG
TGCAGCCAACATTCTTGGGCTTGGGTACCTCCTAAA
TAAGCCCATTCAGAATGGAGAGGGTTTCCTAAATCG
TAGGGTCTCCAGGTGCTTTTGTAGCATTACAGTGGA
TTTGCTTTGTTTTCCCTTTAAGATGTCTAAATTAT
TTTACTTAATTTTTGTAAAAGATTTTTGTCTTTAAA
TAGGTTCTTAGGCCTGGCGTGGTGGCTCATGCCTGT
AATCCTAGCTCTTTGGGAGGCTGAGGCGGGAGGATC
ACTTGAGGCCAGGAGTTTGTGACTAGCCTGATCAAC
ATAGTGAGACCCCTCTCTACAAAAAATAATAAAAG
GTATTAAGTGTTCAATTTGTCCCTTTATCACAATAC
AGCAGACAGAAGTTATCTGGCAACCTTGTGAGATGC
AGCTAAAATAAAAAGGTGAAGCCAGTGTTGACAGAG
TCTGGGATAGAGAAAATTCAGAGACAGTGATCTCAC
AGATCCCTGTGCTCCTTCCAAACACCCACGTTAGTG
GCGTTGGGACGGCGCTTCCTAAATTTCCGTCCAAC
CATCTGCTTGCGTCCGGACATTTGTTAAAAATATTT
ATTCCTGGCTGGGAGTGGTGGCTCACGCCTGTAATC
CCAATACTCAGGACTCAGGAGGCTGGAGCAGGTGG
ATCACTTGAACCAGGAGTTCGATACCAGTCCGGGCG
ACGGAGGGAGACCTCGTCTTTACAAAAA

AAAAAAAAAAAAAAAAATACAAAAATTAGCTGGGT
ATGGTGGCGCGCGCCTGAGTTCCCAGCTACTCAGGA
GGCTGAA

TCTN1 promoter (-600/-416)

AGTGGGAGGATTGCTTGAGTCCCAGAGGTCGAGGCT
GCAGTGAGCCGAGATCGCGCTACTGCACTCCAGCCT
GGGCGACAGAGTGAGACCCTGTCTCAAAAAAAATCC
CCCAAAACTGATTCTGGGTCTGCCCTAGACTAA
CTGACTCAGGATCTCCTGAGGTGGTACCTGGAAATC
CGTC

TCTN1 promoter (-600/-461)

AGTGGGAGGATTGCTTGAGTCCCAGAGGTCGAGGCT
GCAGTGAGCCGAGATCGCGCTACTGCACTCCAGCCT
GGGCGACAGAGTGAGACCCTGTCTCAAAAAAAATCC
CCCAAAACTGATTCTGGGTCTGCCCTAGA

TCTN1 promoter -600/-491

AGTGGGAGGATTGCTTGAGTCCCAGAGGTCGAGGCT
GCAGTGAGCCGAGATCGCGCTACTGCACTCCAGCCT
GGGCGACAGAGTGAGACCCTGTCTCAAAAAAA
TCCCC

TCTN1 promoter -600/-521

AGTGGGAGGATTGCTTGAGTCCCAGAGGTCGAGGCT
GCAGTGAGCCGAGATCGCGCTACTGCACTCCAGCCT
GGGCGACA

Table SI. Baseline clinicopathological characteristics of the patients.

Characteristics	n (%)
Age, median (range) in years	62 (41-77)
>62	11 (52.38)
≤62	10 (47.62)
Sex	
Male	14 (66.67)
Female	7 (33.33)
Differentiation	
High	7 (33.33)
Medium	12 (57.14)
Low	2 (9.53)
Lymph node metastasis	
Positive	14 (66.67)
Negative	7 (33.33)
TNM stage	
I	13 (61.90)
II	6 (28.57)
III	1 (4.76)
IV	1 (4.76)

Table SII. RT-qPCR primer pair sequences.

Genes	Primer sequence
TCTN1	F: 5'-CCTTTGCGTGAATGTTGTTC-3' R: 5'-AGAGGGACTGGCTGGGTATT-3'
TFAP2A	F: 5'-AGGTCAATCTCCCTACACGAG-3' R: 5'-CACGGACAACAACGCCAAA-3'
β -actin	F: 5'-GTGGACATCCGCAAAGAC-3' R: 5'-AAAGGGTGTAACGCAACTA-3'
TFAP2A, transcription factor AP-2 alpha; TCTN1, tectonic family member 1; F, forward, R, reverse.	

Table SIII. Primer pairs used for constructing the TCTN1 promoter.

Promoter	Primer sequence
1,500/+50	F: 5'-CCGAGCTCAGCGATCCTCCCAAAG-3' R: 5'-TTACGCGTCAGGGAGTCCCAGCGA-3'
-1,215/+50	F: 5'-GAGCTCGGTACCTATCGATAGAG-3' R: 5'-AAATAGGTTCTTAGGCCT-3'
-1,011/+50	F: 5'-GAGCTCGGTACCTATCGATA-3' R: 5'-AACCTTGTGAGATGCAGCT-3'
-794/+50	F: 5'-GAGCTCGGTACCTATCGATA-3' R: 5'-TCACGCCTGTAATCCCAACT-3'
-600/+50	F: 5'-GAGCTCGGTACCTATCGATA-3' R: 5'-AGTGGGAGGATTGCTTGAGT-3'
-392/+50	F: 5'-GAGCTCGGTACCTATCGATA-3' R: 5'-GGTTGAGACAGAGTGTCACT-3'
-227/+50	F: 5'-GAGCTCGGTACCTATCGATA-3' R: 5'-TTGGAAACCACAGCCGGGAT-3'
-1,500/-207	F: 5'-ATCCCGGCTGTGGTTTCCAA-3' R: 5'-ACGCGTGCTAGCCCGGGCT-3'
-1,500/-416	F: 5'-GACGGATTTCCAGGTACCA-3' R: 5'-ACGCGTGCTAGCCCGGGCT-3'
-1,500/-600	F: 5'-TCAGCCTCCTGAGTAGCTG-3' R: 5'-ACGCGTGCTAGCCCGGGCT-3'
-600/-416	F: 5'-TCAGCCTCCTGAGTAGCTG-3' R: 5'-GGTTGAGACAGAGTGTCACT-3'
-600/-461	F: 5'-TCTAGGGCAGGACCCAGGAA-3' R: 5'-ACGCGTGCTAGCCCGGGCT-3'
-600/-491	F: 5'-GGGGATTTTTTTTGAGACA-3' R: 5'-ACGCGTGCTAGCCCGGGCT-3'
-600/-521	F: 5'-TGTCGCCCAGGCTGGAGT-3' R: 5'-ACGCGTGCTAGCCCGGGCT-3'
TFAP2A binding site mutant	F: 5'ACTGCACTCCA <i>ATTGTTT</i> ATACAGAGTGAG-3' F: 5'CTCACTCTGTATAAACAATTGGAGTGCAGT-3'

The underlined base areas indicate restriction enzyme sites; the italic bases represent the mutant of the TFAP2A binding site. TFAP2A, transcription factor AP-2 alpha; TCTN1, tectonic family member 1; F, forward, R, reverse.