



TNFAIP3 (NC_000006.11, GRCh37) - gDNA - 2025-09-03

cacctgcacc cccactgccc aggggggctgc atccatctcc acatgactca 138187445
ccctccctgt gcaacgcatg ggggtaggga ggggaagcgcc agtattatca 138187495
gccatcagca ccctggggtg aactgattat caggacaact aaaaacacac 138187545
ctaataaagc cttggagaca catggcaagc accgtgatgg actagaagcg 138187595
atctctaagc tgaaatgctg ctttgaatgc aatgtcagct ggatgcttgg 138187645
tgagcagaaa tagacaaggg gaaatggagc aagcgcggca taggggtgag 138187695
tgtttgttctg attcctaagt ttacctaaga ctggggccac ggggtcgggt 138187745
gtcccctggg acctacgtct catgcagcct ggggtccaga gctggcagga 138187795
acaatggaga tggggaccaa aggctgtcac cgctgctttt tctcgaatg 138187845
cccgccggg tcctgtctgg ggctcccgcc tacgcgctca tcacgtgac 138187895
agcccaaact tttcagagcc ggcccgaggc ctgcgggccc gggcgccagg 138187945
gtggttttta gggtttttct tctttcttat ttcccttctt cttctccaca 138187995
gttgatgatt ttctgcagaa aaacaactgc gaaaaagaac ctatttcatt 138188045
tccagttccc atcacgcga tttccacatg gatgtgacgt gaccccagct 138188095
tccgaaatgc ccaggtgact cacgcgggga cccccgggg cggggcgagg 138188145
gagtttctcc gggcgcctgc agggaccggg cggggcgggg cagcggggcg 138188195
gggcagggaa agggggcggg gcggggcccg caggcccggg cgggcggagg 138188245
ccgcgcgcgc ccctgcgcc ctgcgcctc tggcgcccg ctggacgac 138188295
ttcgcagccc gaccagaga gtcacgtgac tttggaaagt cccgtggaaa 138188345
tccccgggcc tacaaccgc atacaactga aacggggcaa agcagactgc 138188395
GCAGTCTGCA GTCTTCGTGG CGGGCCAAGC GAGCTTGGAG CCCGCGGGG 138188445
CGGAGCGGTG AGAGCGGCCG CCAAGAGAGA TCACACCCC AGCCGACCCT 138188495

GCCAGCGAGC GAGCCCGACC CCAGGCGTCC ATGGAGCGTC GCCTCCGCC 138188545
GGTCCCTGCC CCGACCCCGG CCTGCGGGCG GCTCCTGCCT TGACCAGGAC 138188595
TTGGGACTTT GCGAAAGGAT CGCGGGGCC GGAGAGgtaa ccgccgcgcc 138188645
tcccggagag gtaaccgccg cgcctcccgg agaggtaacc gccgcgcctc 138188695
cccgtgccgt ctgcctcggg ctcaccgcag tcaagggctg cgggtgcatg 138188745
ttgggcagcg acccccgggc tggcacctc tacctggcgt tggttttgca 138188795
gcgctcctgg actgggagtt tggtggacgt ttctgtctgg gttttgaagt 138188845
gctgggagtt gaggtcactg ctgcagaggt tggagtgaca gccctggata 138188895
cctccagcca gctgttcctt tcagataatg cacggaactt aagctgcagc 138188945
tgactggtga agaggcgccc ctccggccct ccgatcgggt ggtcgttggc 138188995
gctttgctcc tttcgtgtct tttttggagc caagcgttgc atgctcatgg 138189045
ccacgtagac cttgcagaag cgctgcggct tttcccaaa ttgtgcagga 138189095
ccagcccgac ggggcgtagg gtaccgcagt ggccgccagc ccggcggagg 138189145
tggggggctt cagtcccaga gacagcttcc cagacgctca cgggtccttg 138189195
cagggggctg gggccttggc gcggggttca gcttttccag tagcagcagt 138189245
gtaagagaag tatgcatgta gacgtgggtc gctggcccct gctccagccc 138189295
ctaccccacg gttagactgt ctttgtcagc tggagtcgtc ccacatcctg 138189345
ccacctggcc tctcagaaaa gcagtggcat taagtaagga aggagcttaa 138189395
ctctttttga gcccgctttg ttttcggttc tcctcgcctc agatcttctt 138189445
gccttggaaa gccagtctgg tcaagtgtct cagggtagca ttttggcaga 138189495
accattgtta attaaaggga cttctggacc gcaaccttaa tgtaccagat 138189545
tattgagcag ccaatgaatg cttcattctc attgtttaag gtgctgcttt 138189595
gatttttttt tcaattcttt gtactathtt tgattttttg gagaggcaca 138189645
tccccaaatt tggatgaggt atttgttgat aaataattca tcaatttcca 138189695
caatgcagac aaaaatgtct gccagagtg gaaaaataaa acaaggggga 138189745
gaagagtttg agtaacggag aagttctgtg gaatcctagt gacaaaagtt 138189795
gagaaactac ctttaaataa gacagtgagg taacaaatgt taaaaaaaaa 138189845
aaagttaagg gtaatatgtc attgtttgcc acttataacg tatctgaaac 138189895

atttgttctt taatcttaag cgtagagtgg tccaagacct ggaaatctgg 138189945
gcagtggggtt ttgatttcta aggaggcagt tttacaggct gtgcaaggct 138189995
aacctacca atgagatcac actggcgtat ccgatattga catttgcatg 138190045
tcttgccat ggtttacagc tctcactatt ttagatcttt ggtgaaaaat 138190095
ctttagattc agaagagaaa aataaaagag tcaggcaagc aaaaagagat 138190145
aacacctcat ttgtttaaaa tcttcctact gccatctct ttccatctga 138190195
ttgtggcagg cactgtagcc acaggtttgg tgttggtgga ttgcaagggg 138190245
caggtattga aagacctggc tcctaggcaa aactttgcc ctgaatggct 138190295
gtgggatctg agcagtacct gtaactccat tgccttagct gcagactaag 138190345
gtggtagtgt aatttcaggg aaggaataa ggtcatcttt gacttttagt 138190395
cccatcatca agcatgggta ttggccttca gtaggtggtc aggtagtgtc 138190445
tgttggtgg atgggtggat ggatggatag atggatggat ggatggatgg 138190495
atggatggat ggatggatgg acggacggac ggacggacgg atagatgata 138190545
ttgtgaaaga gacttttgct gtgccacaaa ggaaaggtat atgtgttatt 138190595
tttatcctgc tatgattttg cccaattcca cctgtagagg acgtctgaca 138190645
tcaaaagaga gcaccatctg atccagagaa tgactcccac tatgcctttc 138190695
ccagcaatca gattaagaat cccaatctaa aactatcacc agaaaactcg 138190745 ~~delEx2-3~~
tcaggagaaa ccatgggtca tctagtccaa cctctctcct ttgagtgggc 138190795
cacaagaatt atctcaacac cttatcaatg gtggtgagag tctagacca 138190845
cacagaagta gctaccctaa aatctaggtt tcttctcctc cctcttccat 138190895
aggtttaaca tttttattaa ctggaaagt gccctggcaa ataagatgtt 138190945
gcaggaatgg aattaacaat cactgtgaaa tttcctaggg aatgtctttg 138190995
tgctctgaaa acttcttcat cttcttgtaa attaggaagt gtggccagac 138191045
accctactaa gggctagtaa atcacagctg gctttttaca gtgttccaca 138191095
ctggagagat cctacatcat gtttaatttc atcatcctgc gctgttgga 138191145
tgggtttag atgctggtct ttgccacct tcctccttca tttgccagag 138191195
tggcctcctg gtggaaactt ctttccttgc ctacttctag attttcattc 138191245
cttctactag ttgattatgc ttaaagattt cagggtgaaa agccaggcag 138191295

acttgcctct gtgttggtac ctggagggtg atgataaaaat ttcattggca 138191345
gttgagttaa aatgattgag ctccaatatac tgttcttaga agtatagaat 138191395
ttattgttct attattattt tgcgggttttt cattttttgt tttcgtagag 138191445
acctaggtct caccgtgttg cccaggctag tctcaaactc ctgagcttaa 138191495
gtgatcctcc tccctcgacc tcccaaagtg ccaggattaa aggcattgagc 138191545
caccatgcct agcctattgt tagtctgttt cttattctga tatgaagtcc 138191595
ggtgaggagg ttctgaagga atgctgactg ctcttaaaat tgcaaagcat 138191645
cttgctggaa atggactttt ttattgatta gaaaacattc ggttttaact 138191695
ctttataaac atcagaataa acttcatgat taaacacttt ataaatactt 138191745
ctctttgggg ctaaagagga aacaccaacc agcagcctaa gtgacagcat 138191795
aaaattgcaa gatttttcat aaagtatttt actgtccttc cagcataggg 138191845
agggagtgat aactcaagag tttgcccaag agcaggagtg cttggtggtg 138191895
gtctgagggg aggagctaca gacttgtcag ggctactttg agcccttaac 138191945
tggcatccag tactcccaa atccagtgtc gttcagggtg gcctcagaat 138191995
gaaacgggag cttaagttgg ttttgaggag cagtacctgt tgctgacaga 138192045
cagggttggc tccctgacaa acattactga aaacacgggt tattcccctc 138192095
ctcctcagta cccactctct gccttccttc tcttgtttag gctaactctt 138192145
taaagtgatg taacttaaaa cagtccagtg tgagttaatc tctggggcca 138192195
gctagtatcc cgggagtaga ggtgctaaga tcttttgcct acagatcagg 138192245
gtaatgacaa gatcaaacac tggggtttcc tgcaggcagc tatagaggag 138192295
tcgtattaaa gtcaggctaa tagaatggct tttttttttt cctttccttt 138192345
tcagGTGTTG GAGAGCACAA TGGCTGAACA AGTCCTTCCT CAGGCTTTGT 138192395
ATTTGAGCAA TATGCGGAAA GCTGTGAAGA TACGGGAGAG AACTCCAGAA 138192445 R22Q
GACATTTTTA AACCTACTAA TGGGATCATT CATCATTTTA AAACCATGCA 138192495
CCGATACACA CTGGAATGT TCAGAATTG CCAGTTTTGT CCTCAGTTTC 138192545 R45X
GGGAGATCAT CCACAAAGCC CTCATCGACA GAAACATCCA GGCCACCCTG 138192595
GAAAGCCAGA AGAAACTCAA CTGGTGTCTGA GAAGTCCGGA AGCTTGTTGGC 138192645 L83F p.W85GfsX11 R87X K91*
GCTGAAAACG AACGtaaga cttgttctgt tgtgtttctt ttgcctgggt 138192695

gatagctccc gcctgctgga tccccattca tgaagcttta ataggacaag 138192745
cccaaactca aatcaatctt gagatttagt attgagacct ttatatagaa 138192795
tctctattcg gggatgtgga taatagcaga cttgttttgt gaatctatth 138192845
attaaggata ttttctgatt gtgtatattg cagagcacat tgaggcttgg 138192895
agaatgcatt tgtaaacacc atacctccat taggtgattt ctttctaatt 138192945
cttgcaaatg tctaatacct tgtaaaatac ccttctctgg cccgtaatgg 138192995
aaatgttaaa agcctttaag ttcaaaagga aagaatggtg tgaaaactgg 138193045
tagtacattt gtttcccact gtcattagaa aatgcttgtg atgttcttac 138193095
acttcttgaa ttggtagcat tttatgggtt aaccagttaa tggctgttga 138193145
agacatgaag aacttctttt gtctcctcct cctctctgac ctaggttcta 138193195
ttgcctatgc cctgcaagggt gaaatagaca gatagctgag attttttagca 138193245
tgaatttttag acttcacctt cattatthttt aggggttctt agtcactgaa 138193295
ttccttcctg tctgtgctgt tctgccaatg gcctttacca ctagtagcta 138193345
tttcttattc caagctttac tgthttgttt tttaatcatt tcccttgggt 138193395
aagaatatgt gcatcaacag gaatgtcaga gcatactgtt tcatgcaggc 138193445
acaaaattct gctctatgga tgtgcataat tatgacaata aggaagttga 138193495
ctgtacaagc tcaattaaat gctcatagtc tacataagag caggaatctc 138193545
aggtccttat atctgtgaca gtcccaaacc atcctaatag aaataatatg 138193595
tccaagggca gaaaatcctt gttgacaagg attacgataa gaacactaac 138193645
ttaattaact tcattcaaaa gccaaagtaca ttaactttgg ctttttttga 138193695
cttgggtaac ttagagtgat tgggtggacat gggthttttaa attttgattc 138193745
tggtggctct tgtacattac cccaacgtct tgcctagatt tatgaaacac 138193795
tgattcttag aaacatagat agaaagaaaa ctggggatag ctactatctg 138193845
cattgttctt ggcatthaaat taagtgtatc ttagaggtag gtaattatgt 138193895
gaagtcatca tcacgggggtt tatgtgcctg acaatttgtg gthtttaatca 138193945
tctcccattt gttacaaaa agagatggag tcaactttgg gggagttgga 138193995
aacaagatt ctgctgaatt aaaaatgtgg tagaaagagg aacaccttat 138194045
taagagaatt aactgacttt tagctthatt tccttaagaa aggaaatgct 138194095

ctatttccac tagaaaaaaa aaaggaatat aaataggaaa cacttatttt 138194145
gtaaacaatgt catttaaatc aacaaggagc cacactacaa ataaaaactac 138194195
aaaagcaggt gcattttggt aacattttct gggaaatcat ttttagactc 138194245
agagtccttt tgtttcttca ctttcaagaa aactccttaa gattctaaaa 138194295
aaggaagaaa agatatttag ggagggagga aaacaaatga ctttttcttt 138194345
gattttaatt agcacctttt aaaaaaaaaat taatccttcc cctgatagga 138194395
gggttcttca aaggcaatat ctgtttgggg agggggtgat tcacaagttt 138194445
gcatttgagg atatgagact gcggtgaatg aggaaggag taggtggcat 138194495
aaaattgaaa cttcatgtga aaaattccag cgtctattgg ctgcagcgat 138194545
ttcacttgta taatgagtag ccctattcca gctcaccctg accacacca 138194595
cttggaaagt ccagggtgca cttcgcagtt taaatgtcta cacaccagaa 138194645
caaaaagtac aatagctggt gctcaattgc tagtcaaata acttagcact 138194695
ggggaattcc agatgttact tagggaattt tatactggtg catctcaata 138194745
aagaactgaa agtaagcaca agaagaaaa aagccttatc tttgctctag 138194795
attttgcaaa ggggaaattt caacagaacg caatcattgc tacacgtctg 138194845
ccaagacaca aggcttgggc gatctttttt gttcatttgt ttgaatactt 138194895
agctagtttt tctaaatgta tacattgaag gaatactggc tgtggaagta 138194945
tatttgaggg ttttttgggt tctttacagt ttgactgtaa ttacaatttg 138194995
ataaaatttc aaatagctct attgccctac ttatagagta atgtaagaaa 138195045
caatgtaact tttcattata aaaattattt tgcacttgcc aaaggagatt 138195095
aaggagttaa ctttttttgt tttaaacatt cccccaaaat atttatcgtt 138195145
tggttggtga aaaaaatgca gccattgaa ttgtgagttt taaactggaa 138195195
aggtcacaga ttaatggcat acaattaaac ctgttttttt gtttgttttt 138195245
cttctcaaaa tgttagccct aaactgaa ttattttcaa atttagacac 138195295
ccaggtgctt ttaactttt gtactttaca gttactaaca agcaggtttg 138195345
cataaggcat ttttgagagc cggactagca ggccataggt aattccgtgt 138195395
tgtcaatacg actttccaca ccaggagagg aaactcccag ggcccaaagg 138195445
ctaaagtgga atggtcaagt catttgccat tgagtcatag ccagaccatc 138195495

cctatctagc aagccatgcc tgcttcctgg tttgtgcatg ttgccctgtg 138195545
tgctcctcct tagaactaga gagcagcaat gccagtgcct tcaccagcaa 138195595
atcaagggat ggtaggaagg gatagggctt tagagatcat cacttactgc 138195645
cctcatttca caagaggaaa aatgccagt gaacttaagg aatttcctcc 138195695
aggtcaccta aactagttag gagcagactt aagctagaac caaggtcccc 138195745
tggctccttt gcagttggtg tcattcatta aaaagaagaa taaaaagaac 138195795
tctttttttc ttaaagctgt catcatcttg tgaaatatca gtttgcctt 138195845
gactagggaaa ttacatcaaa ttaaaccatt cagtccccta gaatagcagt 138195895
agggctggtt tattctgaaa acctttgctg ggtcttacet gcagataact 138195945
tgactttcct tctcttctcc tcctttctgt cctc^agGTGA CGGCA^ATTGC 138195995 [296-2A>G](#) [N102S](#)
[CTCATGCATG](#) [CC^ACTTCTCA](#) [GTACATGTGG](#) [GGCGTTCAGG](#) [ACACAGACTT](#) 138196045 [T108A](#)
[GGTACTGAGG](#) [AAGGCGCTGT](#) [TCAGCA^CCGCT](#) [CAAGGAAACA](#) [GACAC^ACGCA](#) 138196095 [F127C](#) [T129M](#) [D134fs](#)
[ACTTTAAATT](#) [CC^CGCTGGCAA](#) [CTGGAGTCTC](#) [TCAA^ATCTCA](#) [GGAATTTGTT](#) 138196145 [R141C](#) [c.436-437deTC](#) [K148Nfs*68](#) [E154*](#)
[GAAAC^CGGGGC](#) [TTTGCTATGA](#) [TACTCGG^gta](#) ggtttttccc cctaattatc 138196195 [T155M](#) [c.486+1G>T](#)
tactaacaga gctccatggt gggcataggg taccctggg cgagtccctg 138196245
ccctctggta gcatctgatg gactaggtca catgaatttg gctaagcgaa 138196295
gcatactcaa tggaaaacac cagaaacctc cagtgggact cacccaaggc 138196345
ttttgcctg cttttgggta gcagattccc agctgtggat ccgttcctgt 138196395
agcagcgagt cttttgatca tggccttttc cactggtggt ttgttgtttt 138196445
tcagtttgat tgcccttagc tttgctgagc cagccagtaa gattaagaca 138196495
cgtgcctcac catcctcagt cacaagtttg gaatttttgt gaacatttg 138196545
ataaggggct gcaatatgat acctcatcag ggattttttt ttaaagcagg 138196595
tgctgtcccc gtccctccca acttttgagt ttgccttgta gtggaaaaaa 138196645
gtaaaggaag aaaaccgaaa tggggaaaaa agggatgatca tttgaatgat 138196695
ggtttcatga aaggggaaaa aataagctga gttatataaa tgaataattg 138196745
tagagtgatg tcagaatgac tttttagtac agggagtaca ggatacattc 138196795
aagctttttt ttcaccccg c tccccttag^A [ACTG^GAATGA](#) [TGAATGGGAC](#) 138196845 [W164*](#)
[AATCTTATCA](#) [AAATG^GCTTC](#) [CACAGACA^CA](#) [CCCATGGCC^C](#) [GAAGTGGACT](#) 138196895 [A175P](#) [T179K](#) [R183*](#)

[TCAGTACAAC](#) [TCACTGGAAG](#) [AAATACACAT](#) [ATTTGTCCTT](#) [TGCAACATCC](#) 138196945 [Q187X](#) [E192K](#) [C596_598_del_A](#) [L203R](#)
[TCAGAAGGCC](#) [AATCATTTGTC](#) [ATTTTCAGgtg](#) [agatgcctgc](#) [agatcacgga](#) 138196995 [I207L](#) [p.D212Gfs*38](#)
tctgtactta aatgctttca gccttatgcc ttggctcctg gagaaaacca 138197045
cactgccaaa gttcaggtaa cagagttcaa tggaatttga tgaaagtcac 138197095
ctaagggcct cattttcctt tctctttcctt tgaacagACA [AAATGCTAAG](#) 138197145
[AAGTTTGGAA](#) [TCAGGTTCCA](#) [ATTTCGCCCC](#) [TTTGAAAGTG](#) [GGTGGAAATTT](#) 138197195 [S217R](#) [p.F224Sfs*4](#) [P226Lfs*2](#) [p.L227*](#)
[ACTTGCCCTC](#) [T](#) [CCACTGGCCT](#) [GCCCAGGAAT](#) [GCTACAGATA](#) [CCCCATTGTT](#) 138197245 [L236P](#) [C243Y](#)
[CTCGGCTA](#) [T](#) [ACAGCCATCA](#) [TTTTGTACCC](#) [TTGGTGACCC](#) [TGAAGGACAG](#) 138197295 [D253](#) [F257DEL](#)
[TGGG](#) [CCTG](#) [gt](#) [gagaaaactg](#) [cattaattca](#) [catctataac](#) [tagacactga](#) 138197345 [p.P268Lfs*19](#)
aacatcaggg ttttcctttt tgcttcttat taaaacagtc ttatttaagt 138197395
atattatttt tatttaata tattgttctg tgacttgctt ggtagtaag 138197445
agtaatgcag tagcagtaat cataatacc tcatatcttt ttgaatatga 138197495
cttggaaagt actttcatac atgataaatt aaggcgaca gtgctcttaa 138197545
tacagtgcct ggtatggagc aagtaaagc ctgtcagggt agtttttttc 138197595
tttttgagac agggtttccc tccattgtcc aggctggagt gcagtggcac 138197645
aatcatggct cattgcagcc tccacccct gggctcaagc agtctctcgc 138197695
tttggcctct caaatttaca ggcacgagcc accatgcctg gcctgttagc 138197745
tgttatttta atagcctcat gtggaataag cactgtgctt tggaaatatt 138197795
attttactgc atttttatcc ttttagcact cttgtgagat gtaggccttg 138197845
gtagccttat tttacatatt agacagttaa agctcagaga ggtcaactaa 138197895
cctgcctaatt gccacacagc ttgatagtga caaagccagg attcaaactc 138197945
aggtcagtct gattctaaag cctgggactt taaccaataa gatccaccac 138197995
ctccaggctg gttaatgtta tgtgagtttc ctggaaacag tgcattttta 138198045
tattagattg tagcacattt tgttttccca tttgggttta actgtggcta 138198095
agaatacttt tctattctgt aagttatct ttttatacat tttcaaaatg 138198145
agatctactt acctatggcc ttgttttagta gaatactggt ttacttatgt 138198195
attatttttt tccttagAAA [TCCGAGCTGT](#) [TCCAC](#) [TTGTT](#) [AACAGAGACC](#) 138198245 [p.R271*](#) [P274Hfs](#) [L275P](#)
[GGGGAAGATT](#) [TGAAGACTTA](#) [AAAGTTCACT](#) [TTTTG](#) [CAGA](#) [TCCTGAAAAT](#) 138198295 [T292P](#)

GAGATGAAGG AGAAGCTCTT AAAAGAGTAC TTAATGGTGA TAGAAATCCC 138198345 p.L303fs p.Y306* V309dup I310T
CGTCCAAGGC TGGGACCATG GCACAAC TCA TCATCAAT GCCGCAAgt 138198395 p.(L324Ofs*7)
aagcagttta tgttcagctc tctcctgtgt catctgtaac tgtctttaac 138198445
ctcagccacc tgagttgctg ccaccctgaa gctcaacagt agagtgattt 138198495
gcgccagtt tctgccaatg ggaaacaaat tcagagtctt gtgcatggtt 138198545
agagaggatt atgtaaggca gtactaactt gggtttcaaa tcaaaacatg 138198595
tcatttatcc ataatgattt tcctggatat ctggatccca aaagtcagaa 138198645
ttgcagaatt atgggttttc aaagtgcatt tacatcaagg atagttgttg 138198695
tttcttgttt ttgtatttta attactctgg tacatattaa aaagactagt 138198745
gaaaacactt ggaaacaaaa gcctttctct cttggcttct tggtaagaac 138198795
aggcacatca gacatagatg gagctgtaga attgtttatg ttgcagctca 138198845
tgattctgcc acatggaaat gggaggaaag cccagaata cccattgtgc 138198895
aggtatccgg tctttaaaca ttggctttat gttaaagaga tgcctgtttc 138198945
tgagcacttg aaacgcacaa cagatgacaa ggaagccgta agagaatctg 138198995
tctctcaatg tggagattag caaattacag agtcaacagt aaatagacaa 138199045
gcgctttga gtgtgtctgc gtcttagtta ctcattggctg ctaatgctgg 138199095
tggagactag acacaagttt aaagttagta acagcaaaat acccaacctg 138199145
aggttcctaaa gtagtttgta ctataaagta gactagtccc aaaccaatgg 138199195
cctcagtaat attttactca gaatttgatc tctgagaaat tggaaagtca 138199245
actgattttt cttagccctt gttttagaac tatctataat ttttggatgg 138199295
accaagattg attaaatgaa actgtgattt taaaaataag gaagtcttag 138199345
caaactaact gacatcattc ttgactcgaa catgttggga aatgtgtcag 138199395
atcatgttgc gtgaaaagtg tgagctcttc atcacaggcc tgcatttcag 138199445
tgaatggttc tacaattctt gccataatcc acattctaaa actttgttct 138199495
atgagctaat gatgtaaaat cttgtgtgtg attttgtgta ttctataca 138199545
tattttttcc ttttggctct cagGTGGAT GAAGCTAACT TACCAAAA GA 138199595 Exon7-8deletion E32* A333fs2 P336fs E338*
AATCAATCTG GTAGATGATT ACTTTGAACT TGTTCAAGCAT GAGTACAAGA 138199645
AAATGGCAGGA AACAGCGAG CAGGGGAGGA GAGAGGGCA CGCCCA GAAT 138199695 W356R Q370Rfs*16 p.(N371Sfs*17)

CCCATGGAAC CTTCCGTGCC CCAGCTTTCT CTCATGGATG TAAAATGTGA 138199745 D384G

AACGCCAAC TGCCCTTCT TCATGTCGT GAACACCCAG CCTTTATGCC 138199795

ATGAGTGCTC AGAGAGGCGG CAAAAGAATC AAACAACT CCCAAAGCTG 138199845 Q415fs

AACTCCAAGC CGGGCCCTGA GGGGCTCCCT GGCATGGCGC TCGGGGCCTC 138199895 A434* A434V

TCGGGAGAA GCCTATGAGC CCTTGGCGTG GAACCCTGAG GAGTCCACTG 138199945 c.1316_1317del W448C N449Tfs*28

GGGGCCTCA TTCGGCCCCA CCGACAGCAC CCAGCCCTTT TCTGTTTCACT 138199995 P457Afs*16

GAGACCACCTG CCATGAAGTG CAGGAGCCCC GGCTGCCCTC TCACACTGAA 138200045 M476I C478*

TGIGCAGCAC AACGGATTTT GTGAACGTTG CCACAACGCC CGGCAACTTC 138200095 V489Afs*7 A501Ffs*193 R502W Q503*

ACGCCAGCCA CGCCCCAGAC CACACAAGGC ACTTGGATCC CGGGAAGTGC 138200145

CAAGCCTGCC TCCAGGATGT TACCAGGACA TTTAATGGGA TCTGCAGTAC 138200195 L525V

TTGCTTCAA AGGACTACAG CAGAGCCTC CTCCAGCCTC AGCACCAGCC 138200245 A547T

TCCCTCCTTC CTGTCACCAG CGTTCCAAGT CAGATCCCTC GCGGCTCGTC 138200295

CGGAGCCCTT CCCCGCATT TGGCCACAGA GCTGGAAACG ACGCCCCTGC 138200345 H577Afs*95 A588Vfs*80

TGGCTGCCCTG TCTCAAGCTG CACGGACTCC TGGGGACAGG ACGGGGACGA 138200395 Q593X G599Wfs*73 T602S G603R p.T604Rfs*93

GCAAGTGCAG AAAAGCCGGC TCGTGTATT TTGGGACTCC AGAAAACAAG 138200445

GGCTTTTGCA CACTGTGTTT CATCGAGTAC AGAGAAAACA AACgtgagt 138200495 p.His636fsTer1 F637E*2 c.1906+1G>C c.1906+2T>G

aagtggttga cttcctaaca cagcggctgc tgtccagaag gggttttgtt 138200545

cctgacctt aagaaaaaaaa gcccatgtag gcagtcaggc agaactgtca 138200595

ggacctaccg tgcttttcta ccagcttgtg caggggacag tcacggtggc 138200645

cctgccagcc gcccatggag gcaaaaggca ctgctgtgatt acagcagctc 138200695

ctaatatcac attccaaaaa ccagagtgcc ctgtagacag agctcatggg 138200745

atgtgctttt actagaccat tcaggtctgg catatctaag agagtctaag 138200795

tttaaactag acttattttg caacttagat ataacagaac aatcttaaaa 138200845

tctgaagagt agtaactgga gagaaggaag tctctgttga cactgtaagg 138200895

aaacagatgt ggtttgaaa tctctcattg gaaagaaggg tgatcaggta 138200945

atgcctgctc cttgcctggt cctgtgagca atcagtgctt caagttcaaa 138200995

atgagagatt ggtaaagcca aagatgtttc cataataggg atgttatttc 138201045

ttttgctgaa tttatagact taaacatata catatatata tttctataca 138201095

tttaaggctg gcctaactctg tatttggaaac ccatttattt ctctactgtc 138201145
agcatctctg tatcgggtggg gtgacccta tgtggtacta actagcatcc 138201195
attctcatgt agATTTTGCT GCTGCCTCAG GGAAAGTCAG TCCCAAGCAGCG 138201245 [T647P](#)
TCCAGGTTCC AGAACACCAT TCCGTGCCGTG GGGAGGGAAT GCGGCACCCT 138201295
TGGAAGCACC ATGTTTGAAG GATACTGCCA GAAGTGTTC ATTGAAGCTC 138201345 [I679T](#)
AGAATCAGAG ATTTTCATGAG GCCAAAAGGA CAGAAGAGCA ACTGgtgaga 138201395 [H636Efs55](#)
cacttgagg agctttccct ccctcccgtg tgttcgatgc tttttgctgg 138201445
agcgttttct accgacagtg acaagcaggc tttcctctct gccaggttct 138201495
gtctcctcat gataaaggat taattcagaa cctgaagggg aatgtccatg 138201545
tactgtggc tccccaggc cgaaatgcta cctccaattt tcatgctcca 138201595
agtatgctt caaatttatt ttaaaaacaa agaaacacag ccattgcata 138201645
aaacttcttc aagcctcaa aaagccagat ggtgatcaga ggcttcttg 138201695
atgtgtaaga gaagcacaga catctaaaaa gcagcccttc ttaaataatc 138201745
ctttatcata aggagcgaac agacagagct tcccaggggc ctgcctccac 138201795
ctaattggcg gtcagaaaag ccagcttga cagatagggtg tgcgcctgt 138201845
tgctcacaga atggtaggga agctatgtaa gaacagtgggt ttttgggtccc 138201895
aacagaagag agccagggaa agtttgcagg ccaacttagg cttggcggtt 138201945
ttcctcagcc tccctggggg ccaagtcagc tttccttgag actggaaaga 138201995
aacatccttc gagagctctg gtcatagac tgcaatgctc tcctgttccc 138202045
ttgctcaggc aggtaaagct cttttagac tccacactct ccaatgagat 138202095
ttcattgtgc tctccctaag aatgtgagc aatagtttcc tgacttttta 138202145
atgatctgcc tgttcttcc actcagAGAT CGAGCCAGCG CAGAGATGTG 138202195
CCTCGAACCA CACAAGCAC CTCAAGGCC AAGTGCGCC GGGCTCCTG 138202245 [Q709R](#)
CAAGAACATC CTGGCCTGCC GCAGCGAGGA GCTCTGCATG GAGTGTGAGC 138202295 [L725P](#) [Q737Sfs*79](#)
ATCCCAACCA GAGGATGGGC CCTGGGGCC ACCGGGGTGA GCCTGCCCC 138202345
GAAGACCCC CCAAGCAGCG TTGCCGGCC CCCGCTGTG ATCATTTTGG 138202395
CAATGCCAAG TGCAACGGCT ACTGCAACGA ATGCTTTCAG TTCAAGCAGA 138202445 [K786T](#)
TGTATGGCTA ACCGAAACA GGTGGGTCAC CTCCTGCAAG AAGTGGGGCC 138202495

TCGAGCTGTC AGTCATCATG GTGCTATCCT CTGAACCCCT CAGCTGCCAC 138202545
TGCAACAGTG GGCTTAAGGG TGCTGAGCA GGAGAGGAAA GATAAGCTCT 138202595
TCGTGGTGCC CACGATGCTC AGGTTTGGTA ACCCGGGAGT GTTCCCAGGT 138202645
GGCCTTAGAA AGCAAAGCTT GTAACTGGCA AGGGATGATG TCAGATTCAG 138202695
CCCAAGGTTT CTCCTCTCCT ACCAAGCAGG AGGCCAGGAA CTTCTTTGGA 138202745
CTTGGAAGGT GTGCGGGGAC TGGCCGAGGC CCCTGCACCC TGCGCATCAG 138202795
GACTGCTTCA TCGTCTTGGC TGAGAAAGGG AAAAGACACA CAAGTCGCGT 138202845
GGGTTGGAGA AGCCAGAGCC ATTCCACCTC CCCTCCCCCA GCATCTCTCA 138202895
GAGATGTGAA GCCAGATCCT CATGGCAGCG AGGCCCTCTG CAAGAAGCTC 138202945
AAGGAAGCTC AGGGAAAATG GACGTATTCA GAGAGTGTTT GTAGTTCATG 138202995
GTTTTTCCCT ACCTGCCCGG TTCCTTCCCT GAGGACCCGG CAGAAATGCA 138203045
GAACCATCCA TGGACTGTGA TTCTGAGGCT GCTGAGACTG AACATGTTCA 138203095
CATTGACAGA AAAACAAGCT GCTCTTTATA ATATGCACCT TTTAAAAAAT 138203145
TAGAATATTT TACTGGGAAG ACGTGTAAC CTTTGGGTTA TTACTGTCTT 138203195
TACTTCTAAA GAAGTTAGCT TGAAC TGAGG AGTAAAAGTG TGTACATATA 138203245
TAATATACCC TTACATTATG TATGAGGGAT TTTTTTAAAT TATATTGAAA 138203295
TGCTGCCCTA GAAGTACAAT AGGAAGGCTA AATAATAATA ACCTGTTTTT 138203345
TGGTTGTTGT TGGGGCATGA GCTTGTGTAT ACACTGCTTG CATAAACTCA 138203395
ACCAGCTGCC TTTTTAAAGG GAGCTCTAGT CCTTTTTGTG TAATTCACTT 138203445
TATTTATTTT ATTACAAACT TCAAGATTAT TTAAGTGAAG ATATTTCTTC 138203495
AGCTCTGGGG AAAATGCCAC AGTGTTCTCC TGAGAGAACA TCCTTGCTTT 138203545
GAGTCAGGCT GTGGGCAAGT TCCTGACCAC AGGGAGTAAA TTGGCCTCTT 138203595
TGATACACTT TTGCTTGCCT CCCCAGGAAA GAAGGAATTG CATCCAAGGT 138203645
ATACATACAT ATTCATCGAT GTTTCGTGCT TCTCCTTATG AACTCCAGC 138203695
TATGTAATAA AAAACTATAC TCTGTGTTCT GTTAATGCCT CTGAGTGTCC 138203745
TACCTCCTTG GAGATGAGAT AGGGAAGGAG CAGGGATGAG ACTGGCAATG 138203795
GTCACAGGGA AAGATGTGGC CTTTTGTGAT GTTTTTATTT TCTGTTAACA 138203845
CTGTGTCCTG GGGGGGCTGG GAAGTCCCT GCATCCCATG GTACCTGGT 138203895

ATTGGGACAG CAAAAGCCAG TAACCATGAG TATGAGGAAA TCTCTTTCTG 138203945
TTGCTGGCCTT ACAGTTTCTC TGTGTGCTTT GTGGTTGCTG TCATATTTGC 138203995
TCTAGAAGAA AAAAAAAAAA GGAGGGGAAA TGCATTTTCC CCAGAGATAA 138204045
AGGCTGCCAT TTTGGGGGTC TGTACTTATG GCCTGAAAAT ATTTGTGATC 138204095
CATAACTCTA CACAGCCTTT ACTCATACTA TTAGGCACAC TTTCCCCTTA 138204145
GAGCCCCCTA AGTTTTTCCC AGACGAATCT TTATAATTTT TTTCCAAAGA 138204195
TACCAAATAA ACTTCAGTGT TTTTCATCTAA TTCTCTTAAA GTTGATATCT 138204245
TAATATTTTG TGTGATCAT TATTTCCATT CTTAATGTGA AAAAAAGTAA 138204295
TTATTTTATAC TTATTATAAA AAGTATTTGA AATTTGCACA TTTAATTGTC 138204345
CCTAATAGAA AGCCACCTAT TCTTTGTTGG ATTTCTTCAA GTTTTTCTAA 138204395
ATAAATGTAA CTTTTCACAA GAGTCAACAT TAAAAATAA ATTATTTAAG 138204445
AACA_{gattgt} gatgttttca attgatgaat gctgaaagaa aaagaaaggc 138204495
ttggatatta agactgtgct tcctaagcag ctttatTTTT aggtgcacct 138204545
gagcaatgca cacatctctc atccatggta gcaaggcagc ttttcataaa 138204595
taataactgt atgaggtcca ggcccagtcc tcaagcacia gcccccgctt 138204645
gacaatgaag aactcttcc tctgatggga agaggaaagg gatgctagga 138204695
ccctgtggcc cttttaagct tcctgcocca aacttttata aagtgaagaa 138204745
agagaaaaca agagggagga ggagggaaag acaggaaaga gagaagtagg 138204795
caggcaggaa ggaagactga tgtaagatct cctgggtcag acaaagcaga 138204845
ggaggcagcg tggctgtgct ggctgccaga accaggaaat taaaaataa 138204895
cacattcctc catgcgcaag cttcatccc cacctcccat ccagtacaaa 138204945
tggaactcaca gacgactgat tcagcaggac tgcgagctc ccagaatcta 138204995
cttttttaag ctctcgggt gatctggatg atcagccaga ttttagaatc 138205045
acactttaaa aatatatatt ataatttttt tttaactttt taaaagtaga 138205095
aaactttaat aagaaagtga caagtactat aaagagccac tctatagcca 138205145
tcctccagtt tcaataatta ccaacgttct gcccaatttg tttcatctat 138205195
cacatcctct tttttgtttt tcctggacta cttgaaagca aatcccagat 138205245
attgtgtcct cataccata aatatttcag tgtgcacctc taattgaata 138205295

gaatatgtcc tttaacata accaccatta tcagagccag ctaaattatt 138205345

ttattcttta atatccaaat tccaagtatg tattctaatt tctcagttta 138205395

tccaccatac aagacaaagt cttattgctt tcgtttagta aggatctttt 138205445

cttt

TNFAIP3 (NC_000006.11, GRCh37) - gDNA - 2025-09-03

