



NLRP7 (NC_000019.10, GRCh38) - gDNA - 2026-05-25

tggcctaggc tggagtgaga tggccagtca cagctcactg cagcctcaaa 54948481
ctcctgagct caggatgatcc tcccacctca gcctcctgaa tagctgggat 54948431
tacaggtgca gcccatcatg tatggctaata ttttttgttt ttgtttttga 54948381
gacagtcttg ctcttgtcac ccaggctgga gtgcaatggc gtgatcgtgc 54948331
ctcactcacc ctccacctcc ctagtccaag tgattgtcct gtctcagcct 54948281
cccagtagc tgggattaca ggcacctgcc accacacctg gctaattttt 54948231
tgtatgttta gtagagacag agtttcacca cgttggccag tctggctctcc 54948181
aactcctgac ctcaaggat ccacccgcct cggcttccca aattgctggg 54948131
actacaggca tgagctacca cgcccagcct atgcatggct aattattaa 54948081
tatttttgaa gagatggcat cttgctatgt tgcctaggct ggtatcaaac 54948031
tcctggcccc tagggatcca ctggcctagg cctctcagcc tgctgggatt 54947981
tataggcagg aggcaccaca gttggccaca aagtagactt attgtatttg 54947931
taacttagga agtcacggga gtttttgtcc tctttttttt taatttttat 54947881
ttatttttgt ttaatttttt ttctctacaa gagtttttaa agctgggagc 54947831
caggtaccct gcaaaacca aaatgtgat ttctgttct gtgcctatc 54947781
acacctggcc cgggtggtct aggaaggaa ttgcacatta atctcacctg 54947731
gggagattca gcaagccgta attctccaaa gccactgaa gcccaattac 54947681
agccaaatcc ctgaggatgg ggcccagggt atgtcaaggt gagcctgagg 54947631
tcagtgggtg ggagccacc aatgttaatc tcagtggggc ggttccacc 54947581
tgggcgggaa agctgtctct ccacctagcg taccaagggc cagagacctc 54947531 [c.-122G>A](#)
CCCTTTTAT CCGTTTCCTT TGCAGGAAAC ACAGGCTGGA AGCAAGACCT 54947481
GACCTGAGGG AGgtgagtgc tggttcttgc atcgatttct ttgtcttctc 54947431 [c.-40+3G>C](#) [c.-40+21C>T](#) [c.-40+34T>G](#) [c.-40+36C>T](#)

gtttaagga gaagaagcta ttggttgagt ttccaccata gcccttccca 54947381
agccttaatg gttggtgcga ggatgctgga aggatccttg attttttttt 54947331 c.-40+121G>A
ttttgagacg gagtctccct ctgtcgccca ggctggagtg cagtggcgtg 54947281
atcttggttc gctgcaaacct ccgcctcctg ggttcacccg ccattctcct 54947231
gcctcagcct cctgagtagc tgggactaca ggcacgtgcc accatgcccc 54947181 c.-40+251 2130-681del
gctaattttt gtatttttag tagagacggg gtctcaccat gttggccagg 54947131
ctggtcctga actcctgact ttaggtaatc tgtctgcctc ggctcccaa 54947081
agtgcctgga ttccaggtgt gagccaccac gcctggccta atgtcttaag 54947031
gacttctatt caaatatagt ttagaggagt tcaggagatt gagactagcc 54946981
tgggcaacat ggtaaaactc tgtcattaca aaaaaatata aggccaggca 54946931
cagtggttca tgcctgttat cccaacactt tgggaggccg aggcgggtgg 54946881
atcacttgag gccagaagtt tgagaccagc ctgccccaaa tggtgaaacc 54946831
ctgtctctac taaaaacaca aaaattagcc aggtgtggtg gtgcatgcct 54946781
gtaatcccag ttacttgga ggttgaggca ggagaatagc ttaaacctag 54946731
gagggggagg ttgcaatgag ctgagatcgc gccactgcac tccagcctgg 54946681
gagacagagt gcgactccgt ctcaaaaaac aaagaaggcc agaccttgtg 54946631
ctgtgtccaa gctacttgtg gggtgagggt ggaggatcac ctgagccagg 54946581
aggtgggggc tgcaatgagg tgtgattgag ccactgcact ccagcctgga 54946531
tgagatgaag accctgttta aaaaaaaaaa aaagtaggct gggcgcggtg 54946481
gctcacgcct gtaatcccag cactttcaga tcacctgagg ccgggagttt 54946431
gagaccagcc tgaccaacat ggagaaacct catctctact aaaaatacaa 54946381
aattagctgg gcgtggtggc acatgcctgt aatcccagct actcgggagg 54946331
ctgaggcagg agaactcactt gaacccggga ggcggaggtt gcggtgagct 54946281
gagattgcgc cactgcactc cagcctgggc aaccagagtg aaatgctgca 54946231
tcaaaaaaaaa aaaaaaatgt aaatggccag atgcggtggc tcacgcctgt 54946181
gatcccagca ctttgggagg ccgaggcggg tggatcagct gaggtcagga 54946131
gttcgaggcc agcctggcca acatagagaa accctgtctc ggccgggccc 54946081
ggtggctcac gcctgtaatc ccagcactat gggaggccga ggcgggcccga 54946031

tcacgaggtc agaagatcga gaccatcctg gctaacacgg tgaacccca 54945981
tctctactaa aaatacaaaa aaaattagct gggcatagtg gcgggagcct 54945931
gtagtcccag ctacttggga ggctgaggca ggagaatggc gtgaacctgg 54945881
gaggcgggagc ttgcagtgag cccagatcgc gccactgcac tccagcctgg 54945831
gtgacagagc aagactccat ctcaaaaaa aacaagaaac cctgtctcta 54945781
ctaaaaatac aaaaactagc ccggcgtgat gcggtgcgcc tgtaatcca 54945731
gcttcttgag aggctgaggc actagaatca cttgaacctg ggaggtggag 54945681
gttgacagtga gtcgagattg tgccactgca ctccagcctg ggcaacagag 54945631
ggagactcca tctcaaaaaa aagaaaaaaa gaaaaaaatg tacttgggaa 54945581
aaaaaatact tggccaggcc tgggtggctca tacctgtaat cccagcactt 54945531
tgaggaggctg aggtgggagc atcacctgag gtcaggagtt caagaccagc 54945481
ctggccaaca tgggtgaaacc ccgtttgtac taaaaataca aaaaaatta 54945431
ggtgtggtgg ggcatacctg taatcccagc tacttgggag gccgaggcag 54945381
gagaatcgct tgaacccggg aagaggaggt tgtggtgtaagc ctgcacccat 54945331
tgcactccag cctgggagcag agagcaagac tttctgaaaa agaaaaaaaa 54945281
aaccttgaat ttttcttttc ttttcttttt tttttttttt ttgagagggg 54945231
gtctcactcg cccaggctgg agtgcagtgg cgcgatcttg gctcactgca 54945181
agctccgcct cccagggttca agccattctc ctgcctcagc ctcccaagta 54945131
gctgggacta caggcgcccc ccacatgcc cggctaattt tttttttgta 54945081
tttttagtag agacgggggtt tcaccgtggt agccaggatg gtcttgagct 54945031
cctcaccttg tgatctgccc gcctcggcct cccatagtgc tgggattaca 54944981
ggcgtgagcc accgtgcctg gccaaaaaac cctgaatttt tctaagtaca 54944931
tcaagcgttg tcaactgcaa aacgaaaggc aactatatga agcagtggat 54944881
atgttaatta gctggattgt ggtaatcatt tcactgtata tataacatcg 54944831
ctccatgctg tacactttga caagtaaacy ttgtatatat tactttaaaa 54944781
atacttaaaa aatagagaca aggtctcctt gtgtcgcca ggctggtctg 54944731
gaactcctgg gctctcatgc tcttcctgct ccatcctaaa ataggatata 54944681
tgtaattata cctcactgaa ggggtggcct gccctccac acctgtgggt 54944631

gtttcttgtc aggtgggacg agagactgag aaaagaaaga gacacagaga 54944581
caaagtacac agaaagaaaa gtgggctcag gagacccgcg ccggccgggt 54944531
ctctgagttc cttcagtatt tattggatcat tatctctacc atctcggaga 54944481
cggggatgtg gcaggacaat agggtaacag tggggagagg gtcagcagga 54944431
aaacatgtga gcaaagtctt gtgtcataaa caaggtagg aaatgtgctg 54944381
tgccttgatg tgctcataca taaacatatc tggatgatta aagagcagta 54944331
ttgctgccag catgtgtcac ctccagccct aaggcggttt tcccctatct 54944281
cggtgatgg aacataccat cgggttttac accgagacat tccattgccc 54944231
agggacgagc aggagacaga taccttcctc ttaactgcaa aaaggccttc 54944181
ctcttatact aatcctcttc agcacagacc ctttacgggt gtcgggctgg 54944131
ggtacggctt ggtctttccc ttcccacgag gccttatctc aggctatcac 54944081
atggggagaa actttggaca atacctggct tttctaggca gaggtccctg 54944031
cagccttccg cagtgtattg tgtccctggg tgcttgagat tagagagtgg 54943981
tgatgacttt taacaagcat gctgccttca agcatctgtt taacaaagca 54943931
catcctgcat agccctaaac ccacgtgtga cacagcacat gtttctggga 54943881
gcacaggggt ggggctaggg ttacaggtta acagcatctc aaggcagaag 54943831
aatttttctt agtacagaac aaaatggagt ctcttatgtc tatttctttc 54943781
tacatagaca cagtaacagt ctgatctgtc ctccctttcc ccacacgtca 54943731
cagctgggga aaaagatttg ctgttccctc caagggtaaa gctgtccacc 54943681
tctatcagca cccgggcttg gcaagtcact ttttctgtta tttattttcc 54943631
aggctgcctc tccccccgc ccccccaacc cagacggagt ctcgctctgt 54943581
cgcccaggct ggagtgcggg ggcgcgatct ccgctcactg caagctccgc 54943531
ctcccgggtt cgcgccattc tcctgcctca gcctcccgag tagctgggac 54943481 c.-39-1769 2129+228del
tacaggcgcc cgccaccacg cccggctaatt tgtttgtatt ttagtagag 54943431
acggggtttc accgtgtag ccaggatggt ctcgatctcc tgacctcgtg 54943381
atccgcctgc ctccggcctcc caaagtgtg ggattacagg cgtgagccac 54943331
cgcacccggc cattagttac ttacttttga gacagggcct cactctgtca 54943281
cccaggctgg cgtgcagtgg ctggctcact gcaacctcca aatcgtaggc 54943231

tcaaacaatc ctctgtgtc agcctcccaa gtatctggga ctacgggtat 54943181
gttccaccag gcctggctaa gttttttttt tttgagatag agtttcgctc 54943131
ttgttgccca ggctggagta caatggcgct atctcagctc actgcaacct 54943081
ccgcctcctg ggttcaagcg attctcctgc ctcagcctcc cacgtacctg 54943031
ggattacagg ttcctaccac tacacttggc tagcttttgt atttttagta 54942981
gagatgggggt ttcacatgt gggccaggcg ggtctcaaac tcctgacatc 54942931
aggcgatcca cctgcctcag cctcccaaag tgctgggatt ccaggcctga 54942881
gccaccatac ccggccagta cagttatatt tatactctgc ctcttgctat 54942831
ttgttttcaa tgtgtcattc agtggtagggc tgaatgtta aacaagtggc 54942781
tctgaggggt ggtggcgagg aagtcttgggt ttgtagtggt tgctgatttg 54942731
tttttttgggt tgtttgagac agagtcttgt tcttgttgcc gaggctcgag 54942681
tgcaatggcg tgatctcaga tcatgcaacc tccacctccc aggttcaagt 54942631
gtgattctcc tgtctcggcc tcctgagtag ctgggattac aggcacccgc 54942581
ctgtaatttc tgtattttta gtagagatgg ggtttcgccc tgttggtcag 54942531 [c.-39-792C>T](#)
gctggtcttg agctcccagc ctcaggttat ccacccgcct tggcctccca 54942481
aagtgctggg attacaggcg tgagccaccg cgccctgccg tgtttgctga 54942431
tttctgtggc ataaacactc cccttgtgat tttgtactat cagtgtgaaa 54942381
tcacagccca tggacgttgg tataggtaca tataggaagc cccattagg 54942331
cagcacgggc tggccctagc ataccactga cccttcattc tttgtattct 54942281
tttttttttt tttttttttt tttttgagac ggagtctcgc tctgtcgccc 54942231
aggctggagt gcaatgggta gatctctgct cactgcaagc tccacttccc 54942181
gggttcacac cattctcctg cctcagcctc ccgagtagct gggactacag 54942131 [c.-39-427T>C](#) [c.-39-393G>A](#) [E710Dfs7X](#)
gtgcccgccca ccacgcctg ctaatttttt gtattttttt agtagaggca 54942081
ggggtttcac tgtgttagcc aggatggctc [cgatctcctg](#) atatcgtgat 54942031 [c.-39-300C>T](#)
ccatccgcct cggcctccca aagtgctggg attacaggcg tgagccaccg 54941981 [c.-39-231](#) [2130-510del](#)
tgcccagcct tttgttcggt ctttttacca agttagccag gctggtctcg 54941931
aactcctggc cgcaggcgtg agccaccgtg ctgggcccaga ttttcagtct 54941881
cttaattcag tctttggaat attttaccac tcaactgtaca [gcaggaacag](#) 54941831 [c.-39-90G>C](#)

tcttgttcctt ggcacacagg aaactgtggt ttcatttaat gatgtaact 54941781
cgtgaactgt ttttcctttt ttccccccag TTCTTCAGCC TTAACCTAAG 54941731 [c.-39-16C>T](#)
GTCTCATACT CGGAGCACTA TGACATCGCC CCAGCTAGAG TGGACTCTGC 54941681
AGACCCTTCT GGAGCAGCTG AACGAGGATG AATTAAAGAG TTTCAAATCC 54941631
CTTTTATGGG CTTTTCCCCT CGAAGACGTG CTACAGAAGA CCCCATGGTC 54941581
TGAGGTGGAA GAGGCTGATG GCAAGAAACT GGCAGAAATT CTGGTCAACA 54941531
CCTCCTCAGA AAATTGGATA AGGAATGCGA CTGTGAA~~C~~A~~T~~ CTTGGAAGAG 54941481 [T61TfsX7](#) [W66*](#) [W66C](#) [N73N](#)
ATGAATCTCA CGGAATGTG TAAGATGGCA AAGGCTGAGA TGATGGgtaa 54941431 [C84Y](#) [c.277+1G>C](#)
gtagaacctg ggggtgcctg gtcatttttt tttttttttt tttttttttg 54941381
agatggagtc tcgttctgtc gcccaggctg gagtgaagg ctggagtgca 54941331
gtggcgagat ctgggctcac tgcaacctcc gcctctgggt tcaagtgatt 54941281
ctcctatctc agcctccgga gtagctggga ttacaggcgt gtttcaccac 54941231
acctggctaa tttttttttt tttgtatttt tagtagagat ggggttttgc 54941181
catgttggcc aggctggtct tgatctcctg acctgtgat ~~c~~gcccacct 54941131 [c.278-134C>T](#)
cagccttcca aagtgcctg attacaggca tgagccacca tgctggctg 54941081
acactttatg tacaataatg tctgatttac gaagtgtaaa ttactgtgtc 54941031 [c.278-68A>G](#)
aggcttacat ctaagtattt tacagAGGAC GGACAGGTGC AA~~G~~AAATAGA 54940981 [E99X](#)
TAATCCTGAG CTGGGAGATG CAGAAGAAGA CTCG~~G~~AGTTA GCA~~A~~AGCCAG 54940931 [E113GfsX7](#) [K116X](#) [IVS3+1G>A](#)
gtgggtaaat acggtcctat ggtcatgagt ttggtgtttg agagcatgca 54940881
agggtcatca cttcttcctg gttttattca tttctggtag tttttttttt 54940831
ttttgagacg gaatcttgct ctgtagccca ggctggagtg tagtggctcc 54940781
gtctctgctc attgcaacct ctgcctcccg ggttcaagca attctctgcc 54940731
tcagcctcct gagtagccgg gattacaggc ~~g~~gc~~c~~gcc~~a~~ct acccccag~~c~~t 54940681 [c.352+231G>A](#) [c.353-231C>A](#) [c.353-227A>G](#) [c.353-216C>G](#)
aatgttttgt attttttagta gagatggggt ttcact~~a~~tct tggccaggct 54940631 [c.353-178A>G](#)
ggctctgaac tcctgacctc aagtgatcca cccaccttgg cctcccaaag 54940581
tgc~~c~~gggatt acaagcatga gacaccgtgc ctggccctca ttt~~c~~tggtac 54940531 [c.353-111C>T](#) [c.353-71C>T](#)
ttgacaaa~~a~~t aa~~t~~tcagaaa atcatcatca tcaacctcaa ctgtcctatg 54940481 [c.353-56A>G](#) [c.353-52T>G](#)
ggctgtcact gcagGTGAAA AGGAAGGATG GAGAAATCA ATGGAGAAAC 54940431

AGTCTTTGGT CTGGAAGAAC ACCTTTTGGC AAGGAGACAT TGACAATTC 54940381 [Q130Q](#) [L132Gfs*12](#) [Q140*](#)
CATGACGACG TCACTCTGAG AAACCAACGG TTCATTCCAT TCTTGAATCC 54940331 [D149G](#) [R156Q](#)
CAGAACACCC AGGAAGCTAA CACCTTACAC GGTGGTGCCTG CACGGCCCCG 54940281
CAGGCCTGGG GAAAACACG CTGGCCAAAA AGTGTATGCT GGAAGTGGACA 54940231 [V182M](#) [T185del](#) [M192L](#) [W195X](#)
GACTGCAACC TCAGCCCGAC GCTCAGATAC GCGTTCTACC TCAGCTGCAA 54940181 [S201S](#) [L210F](#)
GGAGCTCAGC CGCATGGGCC CCTGCAGTTT TGCAGAGCTG ATCTCCAAAG 54940131 [C221Lfs*13](#)
ACTGGCCTGA ATTCGAGGAT GACATTCCAA GCATCCTAGC CCAAGCACAG 54940081 [W231X](#) [L234S](#) [A243V](#)
AGAATCCTGT TCGTGGTCTGA TGGCCTTGAT GAGCTGAAAG TCCCACCTGG 54940031 [F250C](#) [F250L](#)
GGCGCTGATC CAGGACATCT GCGGGGACTG GGAGAAGAAG AAGCCGCTGC 54939981 [K277Q](#) [V279L](#)
CCGTCTCTCT GGGGAGTTTG CTGAAGAGGA AGATGTTACC CAGGGCAGCC 54939931
TTGCTGGTCA CCACGCGGCC CAGGGCACTG AGGGACCTCC AGCTCCTGGC 54939881 [A305A](#) [Q310R](#) [Q310Hfs*38](#) [L311H](#) [L311I](#) [Y318CfsX7](#) [Q314fs](#)
GCAGCAGCCG ATCTACGTAA GGGTGGAGGG CTTCTGGAG GAGGACAGGA 54939831 [V319I](#) [R329K](#)
GGGCTATTT CCTGAGACAC TTTGGAGAAG AGGACCAAGC CATGCGTGCC 54939781 [D339D](#) [E340K](#) [E340Qfs*11](#)
TTTGGAGCTAA TGAGGAGCAA CGCGGCCCTG TTTCCAGCTGG GCTCGGCCCC 54939731 [F357L](#)
CGCGGTGTGC TGGATTTGTG GCACGACTCT GAAGCTGCAG ATGGAGAAAG 54939681 [I368I](#) [I368M](#) [K379K](#) [K379N](#) [G380R](#)
GGGAGGACCC GGTCCCCACC TGCCTCACCC GCAAGGGGCT GTTCTGCGT 54939631 [P383L](#) [R390Afs*26](#) [R390H](#) [T391A](#) [F394F](#)
TTCTCTGCA GCCGGTTCCC GCAGGGCGCA CAGCTGCGGG GCGCGCTGCG 54939581 [L398R](#) [C399Y](#) [L412P](#) [R413W](#) [R413Q](#)
GACGCTGAGC CTCCTGGCCG CGCAGGGCCT GTGGGCGCAG ATGTCCGTGT 54939531 [M427T](#) [F430L](#)
TCCACCGAGA GGACCTGGAA AGGCTCGGGG TGCAGGAGTC CGACCTCCGT 54939481 [F430F](#) [R432X](#) [D434D](#) [L435L](#)
CTGTTCTTGG ACGGAGACAT CCTCCGCCAG GACAGAGTCT CCAAAGGCTG 54939431 [L454L](#) [R458Sfs*69](#)
CTACTCTTTC ATCCACCTCA GCTTCAGCA GTTCTCACT GCCCTGTTCT 54939381 [Y464*](#) [Q472*](#)
ACGCCCTGGA GAAGGAGGAG GGGGAGGACA GGGACGGCCA CGCCTGGGAC 54939331 [A481T](#) [E486GfsX42](#) [G487E](#) [A494T](#)
ATCGGGGACG TACAGAAGCT GCTTTCGGGA GAAGAAAGAC TCAAGAACC 54939281 [I497I](#) [G498R](#) [G506*](#) [E508DfsX27](#) [K511R](#) [N512fs](#) [P513S](#) [P513L](#)
CGACCTGATT CAAGTAGGAC ACTTCTTATT CGGCCTCGCT AACGAGAAGA 54939231 [H520Tfs*46](#) [c.1548](#) [1566dup;1566](#) [1567insAF15169.2;q.106](#) [4191](#)
GAGCCAAGGA GTTGGAGGCC ACTTTTGGCT GCCGGAATGTC ACCGGACATC 54939181 [F538L](#) [M542Tfs](#)
AAACAGGAAT TGCTGCAATG CAAAGCACAT CTTTCATGCAA ATAAGCCCTT 54939131
ATCCGTGACC GACCTGAAGG AGGTCTTGGG CTGCCTGTAT GAGTCTCAGG 54939081 [E570X](#) [c.1719](#) [1720insT](#) [L575L](#) [E580*](#)
AGGAGGAGCT GCGAAGGTG GTGGTGGCCC CGTTCAAGGA AATTTCTATT 54939031 [P590P](#)

CACCTGACAA ATACTTCTGA AGTGATGCAT TGTTCTTCA GCCTGAAGCA 54938981 [H613Rfs*8](#) [S608F](#)
TTGTCAAGAC TTGCAGAAAC TCTCAC TGCA GGTAGCAAAG GGGGTGTTCC 54938931 [K619Nfs*18](#) [S621Tfs*16](#)
TGGAGAATTA CATGGATTTT GAAC TGGACA TTGAATTTGA AAGgtaagaa 54938881 [E637*](#)
ctgttttccc atcccacgct ccactagga gaggccagcg tctcccttgc 54938831 [c.1931+18A>T](#) [c.1931+43C>T](#) [c.1931+49C>T](#)
cctgtcgctt actgtcagaa tttccctctg gctggacttc tttccagctt 54938781
catgttcaac gtggagacac gacttggcaa ttaggaattg gggcttttta 54938731 [c.1931+110T>C](#)
tttttgagac ggagtctcgc tctgtccccc aggctggagt gcagtggcgc 54938681 [c.1931+176G>T](#)
gatcttggtc cactgcaacc tccgcctccc gggttcaagt gattctcctg 54938631 [c.1931+226C>G](#)
cctcagcctc ccgagtagct gggactatgg gcgtgcacca ccttgcccgg 54938581
ttaattattt tatttttttg tagagatggg ggtctcagtt tctagccccaa 54938531 [c.1932-296A>T](#)
gttggcttta aactcctggg ctcaagtgat cttcccactt tggcctagca 54938481
aagtgttggg attacaggca tgagccacct cactcagcct tatctattat 54938431
tttatttttt ttgtaaaact taagatctat actggtagca aagcatgtga 54938381 [c.1932-178delT](#) [c.1932-146C>T](#)
tgcaatattg tttactatag aactgtttt aggttggtgc aaaagtaatt 54938331 [c.1932-103G>C](#)
gtggtttttg ccattgaaat gtggtttgca gatgcccatc tcacatgca 54938281 [c.1932-71A>G](#) [c.1932-57T>C](#) [c.1932-53C>T](#)
ggtactagtc ctaagagatg aacgtgtgtt ctctgcagG **TGCACTTACC** 54938231
TAACCATTCC **GAAC TGGGGCT** **CGGCAGGATC** **TTCGCTCTCT** **TCGCCTCTGG** 54938181 [P651S](#) [W653*](#) [D657V](#) [R659L](#) [L661F](#)
ACAGATTTCT **GCTCTCTCTT** **CAGCTCAAAC** **AGCCAACTCA** **AGTTTCTGGA** 54938131 [C668R](#) [S673X](#) [S675T](#) [L677PfsX6](#)
AGTGAAACAA **AGCTTCCTGA** **GTGACTCTTC** **TGTGCGGATT** **CTTTGTGACC** 54938081 [R693W](#) [R693G](#) [R693P](#) [R693Q](#)
ACGTAACCCG **TAGCACCTGT** **CATCTGCAGA** **AAGTGGA**gta agtagaagct 54938031 [H698H](#) [V699I](#) [R701C](#) [C704Y](#) [c.2129+6T>C](#)
catcttgcaa ggaagaccct gaacgatgac taagcttctt gtacttttgc 54937981 [c.2129+38G>C](#)
tttttaaatt tggaaatgtg ctgtttcatc tccatgtatt tggggatttt 54937931
ccagctgtct tttttttttt tttttttttt ggtgagacgg agatttactc 54937881
ttgttgccca ggctggagtg caatggcgcg atctcagctc actgcatcct 54937831 [c.2129+214C>T](#)
ccacctccca ggttcaagca attctcctgc ctcagcctcc cgagtagctg 54937781
ggattacagg catgtgccac cttgcccggc taattttgta cttttagcac 54937731 [c.2129+313C>G](#)
agacaggttt tcaccgtgtt gcccaggctg atctcgagct cctgacctca 54937681
ggtgatttgc ctgcctcggc cttccaaagt gctgggatta taggcatgag 54937631 [c.2129+399G>A](#)

ccgctgcacc tggccccttt tttatTTTTt atTTTTtctg agacagagtt 54937581 [c.2129+432T>C](#) [c.2129+451C>T](#)
tcactctgtc acctagggcg tggagtgcaa tgacttaatc ttgtgtTTTT 54937531
agtagagggtg gaattttctc catcttggcc aggcttgtct cgaactcctg 54937481
acctaagggtg atgCGcctgc ctCGgtcttc gaaagtgtctg ggattacagg 54937431
catgagccac catgcctggc cccagctatc ttttttttgg tttgttttgt 54937381
taccaaaaca aaccaaaaag taggtacaag tacaggttag ttacacaggt 54937331
aaccgtgtgt cataggagtt tgttgtacag attatTTTTt caccCaagta 54937281
ttaagcctag taccCcttag ttgtttttcc tgatcctctg cttcttgact 54937231
tttttttttt tttttgagac agtctcgcta tgttccccag gctggagtgc 54937181
agtgCagcaa tctCGgctca ctgcaagccc tgcctcccgg gttcatgcca 54937131 [c.2130-718G>A](#)
ttctcctgcc tcagcctccc gagtagctgg gactacaggc gccCGccacc 54937081
acgcccggct agttttttgt aatttttagta aagacggggt ttcaccgtgt 54937031
tagccaggat ggtcttgatc tcctgacctc gtgatccacc cgcctcggcc 54936981
tcggcctccc aaagtgtctg gattacaggc gtgagccacc acaccCGgCG 54936931
aatttttttt tcttttgaga tggagtcttg ctctgttgcc caggctggag 54936881
tgcagtgggtg cggctctcggc tcaCtGcaac ctctgcctcc tggattcaag 54936831
tgattctcct acctcagcct cccgaatacc tgggactaca agcatgcccc 54936781
tccatgtgca gctaattttt gtatttttag tagagacggg gcttccccat 54936731 [c.2130-312](#) [2300+737del11218](#) [c.2130-304C>G](#)
gttggccagg ctggtctcga actcctgacc tcaggcgatc tgCctgcctc 54936681 [c.2130-266](#) [2300+782del](#)
ggccccagct aatttatTTt ttgtagagat ggagtttcac catgttgccc 54936631
aggttggctc cagactcctg acctcaggtt atcctcctgc ctcagcctcc 54936581 [c.2130-184delT](#)
caaagtgtctg gggttacaga cacgagccac tgcaccCGgc caagaacttc 54936531
taataatttc taaatgtgaa acagctTTTT gtttatacat gcctccacac 54936481 [c.2130-57A>G](#)
aatgtgagta ttaatcactc caagtggaat ctcttctgct ttccctagG 54936431 [c.2130-41T>G](#) [c.2130-6](#) [2132del](#) [c.2130-2A>G](#)
ATTAAAAACG **TCACCCCTGA** **CACCGCGTAC** **CGGGACTTCT** **GTCTTGCTTT** 54936381 [V714I](#) [P716A](#) [P716S](#) [P716LfsX21](#) [A719V](#) [R721W](#) [R721Q](#) [D722G](#)
CATTGGGAAG **AAGACCCTCA** **CGCACCTGAC** **CCTGGCAGGG** **CACATCGAGT** 54936331 [H735P](#) [I742I](#) [E743*](#)
GGGAACGCAC **GATGATGCTG** **ATGCTGTGTG** **ACCTGCTCAG** **AAATCATAAA** 54936281 [L750V](#)
TGCAACCTGC **AGTACCTGAG** gtgggtctca cggtcacggc tctccccagc 54936231 [C761Y](#) [c.2300+12G>A](#) [c.2300+17C>A](#)

acctggagtc cactgcaccg tgttgctggg ggatctagga aaaagggtaa 54936181 [c.2300+34T>C](#) [c.2300+47A>G](#) [c.2300+57T>C](#)
ccactccaga tgccgtccca gacagggaaat gtattcctca aacaggcctg 54936131 [c.2300+128C>T](#)
tgtgggggag tcggcctctc ctctttcccc caccagcttg tcttctgtgt 54936081
tgcataacca gctatccatg caaagaaaca ccccgaaattc tgtgctgggt 54936031
tccagcttta gggacatgct attcctgact gcaccttgcc taattgttgg 54935981
gattgagagc agtggccccc agccttttct gcaccgcggg cggttttgc 54935931 [c.2300+322C>T](#) [c.2300+331A>G](#)
acaagacagt tttttccaca gacgggtttg ggggtagttt tgggatgaaa 54935881 [c.2300+340delT](#)
ctgttcgatc tcagatcagg cacaggagct aatcgttggg gcctgatcct 54935831
atggagtgca tgatcctcgc actttgggag cctgaggaga atggatcatc 54935781
aatctcagat catcaggagt taggtattca taaggagcat gcaaccttct 54935731
ctgcactcaa tgagaatctt tttttttttt ttttttcttt gagacagttt 54935681
tattcttgtc acccaggctg gagcgcagtg gcgcgatctc gttcactgca 54935631
acctccgcct cctgggttca agcagttctg cctcagcttc ccgagtagct 54935581
ggggttacag gcgtgcacca ccacgcctgg caaatgtttg tttttttaat 54935531
agagacaggg tttcaccatg ttggccaggc tggctctgaa ctctgacct 54935481
caagtgatcc gcctgtctcg gcctcccaaa gtgctaggat tacaggcatg 54935431
aaccactgcg cctggccagg ataaaatttt ttttttgagt attaagcatc 54935381
aatttgcccc ttctagtccc agctacagtg gatgctgagg tgggaggatc 54935331
atgtgagccc aggagacagg ttgtggtgac ctgtgatcat gccactgcac 54935281
tccagcctgg gcaacagagc gagatcctgt ctcaaaaaaa aaattttttt 54935231 [R767RfsX12](#)
ttccccctg caaaatcatc cacacaggcc gttttggtga aacattgcac 54935181
agaattgtat tacaatctct tggagaagtg gctggatggt accctaattg 54935131
ccatggggat acttgaagaa gcagaggcaa cattagatct ctccagtaat 54935081
tcaggccagg gttggaggca tgagtagaat gagataaacc aaagacataa 54935031
tgtcttggga agtgaagcag aagaagctga tctgggccag gcgcggtggc 54934981
tcacacctgt aatcccagta cttcggtagg ccaaggtggg tggatcacct 54934931
gaggtcagga gttcaagacc agtgtggcca acatggtgaa atcccgtctc 54934881
tactaaaaat acaaaaattg gcgaatgcct gtaatcccag ctacttcgga 54934831

ggctgaggca ggagaatagc ttgaaccgag gaggcggagg ctgcagtgag 54934781
gtgagatcac gcctttgcat tccagactgg gcaacagagt gaaactctgt 54934731
ctcaaaaaaa aaaagctgat agggatatact ctgtcctccc agaagaatga 54934681 [c.2301-58A>G](#) [c.2301-44A>T](#)
cttttccac tcttttcaca gGTTGGGAGG TCACTGTGCC ACCCCGGAAGC 54934631 [P775P](#) [E776Gfs*14](#)
AGTGCGCTGA ATTCTTCTAT GTCCTCAAAG CCAA~~C~~CAGTC CCTGAAGCAC 54934581 [W778X](#) [N788N](#)
CTGCGTCTCT CAGCCAATGT GCTCCTGGAT GAGGGTGCCA TGTGCTGTA 54934531 [R795C](#) [A798fs](#)
CAAGACCATG ACACGCCCAA AACACTTCCT GCAGATGTIG TCgtaagtct 54934481 [R815H](#) [L820Cfs*29](#) [L823X](#) [IVS7+1G>A](#)
cctcttccca tgggcagctc tggtttagtt ctggggctat agaagagaaa 54934431 [c.2471+47A>G](#)
gggtaacacc tgacttactg cgccacccac gtggcgcctc ttgctgaaat 54934381 [c.2471+81](#) [82ins](#)
aaacacctgc ttcaggcccc gcacgggtggc tcctgcctgt aatctcagca 54934331
gagaggtggg cggatcatct gagttcagga gttcagacc aacctggcca 54934281
acatggtgaa accctgtttc tattaanaat accaaaaaca ggccgggtgc 54934231
ggtggctcat gcctgtaatc ccagcacgtt gggaggccaa ggcggggaga 54934181
tcacgaggtc aagagatcga gaccatcctg gctaacatgg tgaaaccccg 54934131
tctctactaa aaaatacaaa aaattatcca ggtgtggtgg gcgcctgtag 54934081
tcccagctac tcaggaggct gagtcagcag aatggtgtaa acctgggagg 54934031
cggcgattgg cagtgaaccg agatcgcgcc actgcactcc agcctgggcy 54933981
acagagcgag actccgtctc aaaaacaaca cctgtgtcct gtgatggctc 54933931
caggtggacc gctgcatctt ggccttctcg ccttcctgct cttttgtggc 54933881 [c.2472-181G>A](#)
catgatgact cccacaggac agagggcagg ggatgaacag gaagggctga 54933831 [c.2472-126A>G](#)
agctgagtac cctagcatgt ggacatcact gagcaggtg gagttgtgga 54933781 [c.2472-67A>G](#)
aatgttctca tccttctacc atttgtttca tatttttgca gGTTGGAAAA 54933731
CTGTCTCTTT ACAGAA~~G~~CCA GTTGCAAGGA CCTTGTCTGT GTCTTGGTTG 54933681 [c.2482](#) [2483delTG](#) [A833T](#)
TCAGCAAGAA GCTGACACAC CTGTGCTTGG CCAAGAACCC CAT~~T~~TGGGGAT 54933631 [I858Hfsx11](#) [I858T](#)
ACAGGGGTGA AGTTTCTGTG TGAGGGCTTG AGTTA~~C~~CCTG ATTGTAAACT 54933581 [Y872*](#)
GCAGACCTIG GTgtaagtcc ctgctgggtg tgtgtgtgtg tgcacatgaa 54933531 [L880S](#)
ttcaagcagg agagacatga aagtacttgt taattcattt caaatgtaac 54933481
ttttaaaaaac ctggtgaagaa ttaaa~~g~~aaca ggacagggcc aggcgtggtg 54933431 [c.2642+114G>A](#)

gctcatgcct gtaatcccag cactttggga ggccgaggcg ggtggatcat 54933381
gaggtcagga gatggagacc atcctgggta acatggtgaa accctgtctg 54933331
tactaaaaat accaaaaatt agccagggtg ggtggcggat gcctgtagtc 54933281
ccagctactt gggaggatga gacaggagaa tggcgtgaac ctggaaggcg 54933231
gaggttgcag tgagccgaga tcgcaccact gcactccagc ctgggcgaca 54933181
gaacaagact ccttctcaaa aaaacaaaga aacaaaaaaaa accaggcaga 54933131
tacaggtaga aacatgttaa tatttgcatt tcagcagagc ctcttcctgc 54933081
tatgaaggaa gatttgagat gagtagttgg ttctcggatc tgatgctttg 54933031
tgtgtgttct tcaaatcc tatgacatag tactgcctgc tattggaggt 54932981
agattgagtt atgtggtagg gccagtgga ccttttttta aacttttatt 54932931
tccatagggt attggggaac aggtggtgaa tgggtggcag atcacctaag 54932881
gttcgagacc agcctggcca acatggtgaa aacccatcgc tactaaaaaa 54932831
tacaaaaatt aaccaggctt ggtggtgcgt gcctatagta ccagctactc 54932781
agaaggctga ggtaggagaa tcgcttgaat ctgggaggca gaggctgcag 54932731
tgagctgaga tggcgcact gcactccagc ccgggcgaca gaggtagact 54932681
ccgtctcaag aaaaaaaca aaaaaaactc acaaaaaatc cttatttga 54932631
aaagacatag gtggcagggt ggaattgacc cacgaaactat agttggctga 54932581
atcttgttat atggaaagaa gccagcgtg agctacctgt tcacattaa 54932531
attatgggta gaaaaatatt caagagattg cataggggtg aagacctgtt 54932481
cctgttcaga aattctagct agtggtcatt tctgagattc attttttttt 54932431
ttttggatga agtctcactc tgcgcccag actggaatgc agtgggtgaa 54932381
tcttggctga ctgcaacttc tgcccccag gttcaagcga ttctcctgcc 54932331
tcagcctccc aagtagctgg gattacaggt gccctccacc atgcctggct 54932281
aatttttgca ctttttagtg agatgagggt tcaccatggt ggccaggctg 54932231
gtcttgaact cctggcctta agtgatctgc ctgcctcggc ctcccaaagt 54932181
gctggcgttc caggcatgag cactgtgcc tggcttagaa taactattgt 54932131
taaacaaca gtcacctacc tgatcgttat acgaagtgta cctgcaccaa 54932081
aacatcacac tataccccta tata~~t~~gtaga atgtgtcagt taaagacaaa 54932031 [c.2643-1390T>C](#)

acttaaacat gaaataaaaat gacagggaaa gtgaaatttc cataatctaa 54931981
ccacgcagaa aataagtgac ccagggctca gatcctgtcc tgggtcggtc 54931931
tgaaccaga gcctaagctg ttgtcccagg cagagctgga aatggatgga 54931881
atcagaaggc catttgatg tttttttttt ttttttaaca gtctctctct 54931831
gtcaccaggc tggagtgcag tgggtgcgatc ttggctcact gcaacctccg 54931781
cttcctgggt tcaagtaatt ctctacctc agcctcctga gtagctagga 54931731
ttacaggcat gggccgccac acctggctaa tttttttttt tttttgagat 54931681
ggagtttcgc tcttgcccag gctggagtgc aatggtgcaa tctctgctca 54931631
ccacaacctc cgtctcccca gttcaagaga ttctcctgcc tcagcctcct 54931581
gagtagctgg gattacaggc atgtgccacc acacctggct aattttgtat 54931531
ttttagtaga gacgggtttc tccatattgc ttaggctggg cttgaactcc 54931481
cgacctcagg tgatctgtct gcctcagcct cccaaagtgc tgagattaca 54931431
ggtgtgagcc atcgtgccca gctaattttt gtatttagta aagatggggg 54931381
ttcaccactt tggccaggct ggtcttgaac tcctgatctt gtgattcacc 54931331
caccttggtc tcccaaagtg ctgagattac aggtttgagc caccgcgccc 54931281
ggcccgatth ttgtatthtt tagtagagat ggggtttcac catggtggcc 54931231
aggctggtct tgaactcctg acctcaaagt atctgcccgt cttggcctcc 54931181
cactgctgtg attataggcg tgagccactg tgcccggccc atttgcattg 54931131
ttttatgtgc aagcccacct ggaagtatat agctccagtt catgggtcaa 54931081
ttcctacctg ccacctatgt tttatataaa tactttttgt tgttgttgtt 54931031 [c.2643-364G>T](#)
[g](#)ttttcttga gacggagtct cgctctgtcg cccgggctgg agtgagtg 54930981
cgcgatctca gctcactgca gcctctgcct cccggattca agcgattctc 54930931
ctgcctcagt cttctgagla gctggcacta caggcgtgca ccaccaagtc 54930881 [c.2643-246T>G](#)
tggttatata ggtggcgggc acctataatc ccagctactt gggaggctga 54930831
ggcagaagaa tcgcttgaac ctgggaggca gaggttgag tgagccaaga 54930781
gtgcagcact gcattccagt atataagtgg aaggtatata gtgttgaaa 54930731
taactgcttc acagggcgtt agccagaggg ataacaggct tctcttcctt 54930681
tgattatcct gtagGTTACA GCAATGCAGC ATAACCAAGC TTGGCTGTAG 54930631

ATATCTCTCA GAGGCGCTCC AAGAAGCCTG CAGCCTCACA AACCTGGACT 54930581 Y894Y A902A N907N

TGAGTATCAA CCAGATAGCT CGTGGATTTGT GGATTCTCTG TCAGGCATTA 54930531 N913S W920* W920*(2760) A925A L926*

GAGAATCCAA ACTGTAACCT AAAACACCTA CGgtaggcga ttttcttttt 54930481 C931X c.2810+2T>G

cttcttttctt tcttttttttg agacagggtc ttgctctgtc cccagcctg 54930431 c.2810+26T>C c.2810+57T>C

gagtgcagtg gggtgattac ggctcactgc ggcttcggtc ttccaggctt 54930381 c.2810+98C>T

gatcggttct cccacctcag cctcctgagt agctggctct acaggcatgt 54930331 c.2810+123G>A c.2810+126T>C

attaccatgg ccaggtaaact gttttctgta gagatgaggt cttgtcatct 54930281 c.2810+171T>A c.2810+176T>C

ttcccgggct ggttttgaat tctggtgctc aaggaatcct cccacctcgg 54930231 c.2810+224G>A

cctccaatg tgctaggatt acaggcatga gccatcatgc ctggcctcat 54930181 c.2810+276A>G

ttttaaagt tttggaaatc tggaaatcct taatttctat gttttctttt 54930131

tttttttttt tttttgagac ggagcctcgt tctagtggc caggctggag 54930081

tgcagtggcg cgatctcggc ttactgcaac ctcttcctcc cgggttctcg 54930031

ctattctcct gcctcagcct cctgagtagc tgggactaca gatgcccgcc 54929981

accgtgcctg gctaattttt tttgtatttt tagtagagat gggtttcaca 54929931

gtgtagcca ggatggtctc gatctcctga cctcatgatc tgcccgcctt 54929881

ggccttccaa agtgctggga ttacaggcgt gagccaccac gcccggccaa 54929831

tttctatggt ttcaatatct cagactgtat cacttcggat ccagttttaa 54929781

gatcaaacc ctccagaaac tgaatatatg tgggtgggca cttctaaagt 54929731

caggtagagg gcctggagaa gtgaaatata tataacaatg gccccagtg 54929681

acctggactt cagcagcatg ctgcttctgc tgggatccag taatcaggaa 54929631

gcagtgagcc tgcccacct cataaacc ca ggaaccata ggtgggatac 54929581

cacccccaga aatgcaaag tctccacaaa tggaatggcg agctcttcat 54929531

cacttctctc cccaaagttt gtcagttgca tctcttggat gcaacctatt 54929481

ttccaactag aatctgcaat cctaagcaa agagaatctg cacgtcatta 54929431

ctacttagct ttgctgtaga gtaaagaaaa aaaacactag aacacaggg 54929381

actttttttc ttttttcaga cagagtctcg ctttgtcacc caggctggag 54929331

tgcagtggtg cgatcttggc tctactgcaac ctcagcctcc aaggttcaag 54929281

cgattctcct gattgagctg agtagttggg attacagcg tgcaccacca 54929231

taccagcta atttttgtag ttttagtaga gaccaggttt caccatgta 54929181
gccagactgg tctcaaactc ctgacctcaa gtgatccacc tgcctcaacc 54929131
tcccaaagtg ctgggattac aggcattgagc caccattcct ggcctcctga 54929081
agtttcttaa cccatcccc tgaggaatat ttcaagcctc aagccagacc 54929031
gtgatacctt tatttccaaa gactcaaaag ctcaatgcaa acggggtggat 54928981 [c.2811-1214C>T](#)
tacctgggtg cttgttcctg taatctcagc tatgactgta atcctagatt 54928931
ctcgggaggc tggggcagga gaatcgcttg aaccaggag gcggaggttg 54928881
cagtgagccg agatcacgcc attgcactcc agccttggca acaagagtga 54928831
aactctgcct taaaaaaaaac aaaaccaaag gcttctacag tggcctacag 54928781
ggccttatgg gggatcctcg tgtaagtta gagccataaa tcattctact 54928731
ttctcactag ctcagtattt tatttacaag attccctccc ccagttagca 54928681
tgctggttca tgatctacca tccttcagtt tctttcctca tatcactttc 54928631
caaaagagga cttaaagac cagcataagt ctagccaatc aatgcctctc 54928581
tgtttgactt acctctacc tgtttatttt aatacatca tccattgtct 54928531
tcaatagaac atatcgagat gtctgctgtc actaaaaact ctgaggacaa 54928481
ggatttcttc tgctcactcc cctctgcctt tcctcactac tggagcccca 54928431 [c.2811-695T>C](#) [c.2811-678C>A](#)
gcaaatatgc tgcttgtttt tttgtttgt tttgtttgag accaagtctc 54928381
actctttcac ccaagctgga atgcagtgg gatatggttg ctaactacaa 54928331 [c.2811-559A>G](#)
cctctgcctc ctggttcagg cgattctcct gcctctcag tagctggaat 54928281 [c.2811-527C>T](#) [c.2811-523C>T](#)
tataggtggt tccaccatac ctggctaatt tttgtatttt cattttatgt 54928231 [c.2811-496T>C](#)
tatatatttg tgagatggag tctcattcta ttgccaggc tggagtgcag 54928181 [c.2811-416C>A](#)
tggcgcaatc tgggctcact gtaacctccg cctcccaggc tgaagcgatt 54928131 [c.2811-402C>T](#) [c.2811-399A>G](#) [c.2811-394G>T](#) [c.2811-376G>A](#)
cttgtgcctc agcctcccaa gtagctagca ttaaaggcac acaccacat 54928081 [c.2811-329A>G](#) [c.2811-312C>A](#)
gcatggctaa tttttttag agatggggtt ttgccatggt ggcctggctg 54928031 [c.2811-279G>T](#)
gtctcgaact cctgacctca ggtgatctac cctcctcggc ctcccaaggt 54927981 [c.2811-228T>C](#)
gctggggcta cagggtgtctg tccccacgcc ctgcctaatc tttgtatttt 54927931 [c.2811-194A>T](#) [c.2811-178G>A](#)
tagtagagat ggggtttgac cgtgttgga aggctggtct cgaacacctg 54927881 [c.2811-135C>T](#) [c.2811-114G>A](#)
gcctcaagtg atccaccgc cttggcctcc cgaagtgttg ggattacag 54927831

cttgagccac tacctgctca g^tgaatgcgt g^gatttccat g^tttcttcctc 54927781 [c.2811-54T>G](#) [c.2811-37C>T](#) [c.2811-34T>G](#) [c.2811-28C>T](#) [c.2811-25G>C](#) [c.2811-23A>G](#)
[c.2811-15G>A](#)

aacagCCTCT GGAGCTGCTC CCTCATGCCT TTCTATTGTC AGCATCTTGG 54927731

ATCTGCTCTC CTCAGCAATC AGAAGCTTGA AACTC^TGGAC CTGGGCCAGA 54927681 [L964P](#)

ATCATTGTG GAAGAGTGGC ATAATTAAGC TCTT^TGGGT TCTAAGACAA 54927631 [G981Rfs](#)

AGAACTGGAT CCTTGAAGAT ACTCAG^gtat gggttttttg ttttgttttg 54927581

tttt^gtttt^tt tgtttttgtt tttttgagat ggagtcgtgc tctgtcattc 54927531 [c.2981+29_32delGTTT](#) [c.2981+33G>T](#)

aggctggagt gcagtggcgc aatcctggct caccgcaacc tctgcctc^tc 54927481 [c.2981+123T>C](#)

aggttcaagc aattctc^ctg cctcagcctc atgagtagct gggcctagag 54927431 [c.2981+142C>A](#)

gcatgccaac atgtccagct aatttttttc tttttctttt tttttttttg 54927381

agacggagtt ttgttcttgt agcccaggct ggagtgcagt ggtgcgatct 54927331

tggctcactg caacccccac ctccctgggt caagcgattc tcccaccttg 54927281

gcctccaag tagctggaat tacagatgcc tgccacca^tg cctggctaata 54927231 [c.2981+363T>C](#)

tttttagtag agaggggtt caccatggtg gccaggctag tcttgaactc 54927181

ctgacctcag gtgagccacc tgcctcggcc tcccaaagtg gtgggattac 54927131

agaggtgagc cattgcaccc ggcctttttg gtttttgctt tttgggatgg 54927081

agtctcactg ttgccaggc tggagtgcag tggcgcgatc ttgactcact 54927031

gcagcctcct tctcacaggt tgaagcgatt ttccctgcctc aacctcctga 54926981

gtagctggga ttacaggtac acaccaccac agctggctaa tttttttttt 54926931

tttttttttt ttttaaagac agagtctctc tctgtccccc aggctggagt 54926881

gcagtggcgc tatctcggct cagtgaacc tctgcctcct gggttcaagt 54926831

gattctcctg cctcagcctc ctgagtagct aggattacag tgcctcgcca 54926781

ccacaccag ctaatttttg tatttttagt agagatgggg ttttgccatg 54926731

ttggccaggc tggctctcag ctccctgacct caggatgatc tctcgccttg 54926681

gcctcccaa gtgctgggat tacaggcatg agccactgca cctggccaat 54926631

ttttgtagtt ttttagtagag atggggtttc accatgttgg tcaggttgg 54926581

ctcaaactcc caacctcagg tgatccacct gcctcagcct ctcaaagtgc 54926531

gggattaca ggcgtgagcc actgtgctcg gccctgggat ggctgtttca 54926481

catggtgaat ttcccatgca gagaagagtt tttttgggag tgtgtgtact 54926431
ctttgtaggg atcaacttaa ggcactcttc tatagcacac tcctagctta 54926381
ggagataatt taaaaattag atacttttct aaaatgctct gtgaattgaa 54926331
tattgtccaa ctttcccca aaacacttag tcctaggcat actgagagtt 54926281
taaatacatcc tggagtacag actggaagct tgtgtgtatg tgtgtgcatg 54926231
agcacacaca cacacacaca cacacccta atcattatat ccaaaaatag 54926181
gtagtccca gagctgtcct gggcttagc ttttcagaag atcgtcctac 54926131
agatgctccc ttagttgtga cccgtgtata tcttttcaat gacttatttg 54926081
tattttttat ttttttttga gacggagtct tttttttgag acggagtctg 54926031
tctttttttt tgaatctgtc ttttttttga gacagagact ccagtctctg 54925981
tcgcccaggc tggagtgaag cgggtgcgac tcggctcact gcaagctcca 54925931
cctcccgggt tcacgccatt ctctgcctc agcctcccga gcagctggga 54925881
ctacaggcgc ccgccaccac gcccgctaa ttttttgtat ttttagtaga 54925831
gatggggttt cactatgttg gccaggctgg tctcgaattc ctgacctcag 54925781
gtgatctgcc cacctcggcc tcccaaagtg ctgggattac aggcgtgagc 54925731
caccgcgccc ggcctcagtg acttatttta acgtaatcta cctttagttt 54925681
cttcttgccct ttgtcttttc ttttctgaga caacgttttg ctctgctgca 54925631
ctgtgtggcc gtgttgccga ggttctcaaa ctctggctt caaacgatcc 54925581
tcctgtcttg gcctcaciaa gtaccggat tgcaggcgtg agccactgtg 54925531
cacagcccac ttgtcttatt caagagttat tttagttgta gagatgatac 54925481
gcatgtaaac tgcttcatga tgcccagtgt tgcattattg gaacgctaag 54925431
catgtgggag ttatttataat cctgctcaag gtacgatttt tcacacgtct 54925381
gcagttcaaa taattgtaac ctctggcata aatgggttaa ggtttttaggg 54925331
gtatatcatg aaacttgagc taaatagtgt catgcttctc ttgttggtgg 54925281
gaccgaggtc tgtaatgcca ccaaggacta ttggtgacaa atctctagcc 54925231
ccctgtggtc tcttatgtca tatgtttggg gcgtatttct tttctcattc 54925181
ctcagttcct cctttgggag gccaaagtgg gaggattgtt tgaggccagg 54925131
agtttgagac cagcctgggc aacatagcaa gccagtgctc ccacaatcac 54925081

caccctcat gttcacatac acaggcttgc atgctgcagc cacgtagag 54925031
ccaagtttgc tatcattaac cctggggttc actctggcat tctcttagtt 54924981
ctactgaagg tttgatttgc cactatTTTT tatttattta tttggaggca 54924931
gagtctcgct ctgtcacccg ggctgcagta cagtgggtgcg gtattggctc 54924881
actgcaacat ctgcctccca ggttcaaagc gattctcctg tctcagcctc 54924831
ctgagtagct ggtattacag ttgtctgcca ccatgcccag ctaatttttg 54924781
tatttttagt agagacgggg tttcactatg ttggccaggc tggctctgaa 54924731
ttcctgacct caggtgatct gcccgcctcg gcctcccaaa gtgctggaat 54924681
tataggcgtg agtcaccgtg caccagcctg attatctatt ttttaaattt 54924631
atTTTTTaaa ggcatgtttt actctgttac caggctggag tgcagtaggg 54924581
caatctctag ctcgttgcaa cctccgcctc ctgggctcaa gtgatcctct 54924531
tgcctccgcc tcccagtag ctgggactat aggctgcac caccattcct 54924481
ggctaacttt ttctatTTTT gtagagaca gggtttcacc gtgttgcca 54924431
ggctggcctt gaactgcgga gctcaagcaa tctgcctgcc ttggcctccc 54924381
aaagtctgg gactacaggt gcgagacacc gtgcctggcc ataatctttt 54924331
ttttcttaga cttataagga tccccattgt gtgggtctaa atttctttt 54924281
agaaaactt tctgactggg tgctgtggct cacatctgta atcccatggc 54924231 [c.2982-401T>C](#)
tttgggaggc cgaggtggat ggatcacttg aggccagaag ttcgagacca 54924181
gcctggctaa catgtcgaaa ccccatctct actgtaaata caaaacttag 54924131
ccaagcgtgg tgggtcacac ctgtaatcac agttactcag gagcctgagg 54924081
catgagaatt gcttgaactt gggagctgga ggttgagag agccaagatg 54924031
gcaccactgt accccagcct gggcaacaga gcaagaccct gtccccaga 54923981
aaatcccaaa aacgtttcct gctttgagt tttgaaaaca gatattcagg 54923931
catcctgggt agttgagaat gaatttctgg gaacatttgt gttctctgat 54923881 [c.2982-28delG](#)
ccctccagGT TGAAGACCTA TGAAACTAAT TTGGAAATCA AGAAGCTGTT 54923831 [c.2982-2A>G](#)
GGAGGAAGTG AAAGAAAAGA ATCCCAAGCT GACTATTGAT TGCAATGCTT 54923781 [D1021V](#)
CCGGGGCAAC GGCACCTCCG TGCTGTGACT TTTTTTGCTG AGCAGCCTGG 54923731 [T1028A](#) [c.*5C>T](#)
GATCGCTCTA CGAATTACAC AGGAAGCGGG ATTCGGTCT CTAAGATGTC 54923681 [c.*20C>T](#) [c.*44G>A](#)

TTATGAATGC AGGTCAGAGG GTCACATGTT AACACTAGAG TCTGTCGAGA 54923631
GGTAGGATTT GACACTGGTT TTCTCACTAT TTTTGGGAGA TTCTGCACGA 54923581
GTCACGCACC CCCTTCACAT GACGCTATGT ACTTTCTCAC AGGGATAATA 54923531 c.*180G>C
AAGTTAGAGC ACTCTCgttg cagctgcggtt tattgacatg ctcaggagca 54923481 c.*236C>T
aacctgcaat aaacatggta ctctgtgctt tgtctaggag gaagtattgc 54923431 c.*290T>C
taagaagttc agggatgatt cggttgattc ttctatttct tttcttccct 54923381
aactcaggcg ccatgtggtc tactatctgc caggtgcatc tatgtgatca 54923331
gtgtgtcttt gtgacttatg tgatcataac ttatgtgatc aaccacgca 54923281
ttgacaaaacg ggccagatag ttcatatgct tggcactgtg ggccccgcgg 54923231
tctctcatca gctctcagct gtgcctttgg acatggaagc agcgcagggc 54923181
ctggctggca cctgcggagg cttcccagaa acagctcgtg ggccatgggc 54923131
agccagccct gttctaactc atcctgttac tcacaaagca caagcttaca 54923081
gtcactgttg cctttaattc agaagatggc cctgcctcac gctggttctg 54923031
ctcggctccc acgggcccgc tcctactctc tgtgtgtgtg tgtatgtgtc 54922981
tctctctctc tctgtctctg tgtgtctctc tttgtttctc tgtgtctgtc 54922931
tttttgtctc tctgtctctg tgtctgtttc tgtgtgtgtg tctctgtgtc 54922881
tgtctgtgtt tctctgtgtg tgtctctgtc gctgggcggt tctatctctg 54922831
tctttgtatg tgtctctctg ttctttcggt tttttttttt gttttttttt 54922781
ttgagacgga gtttactct tgtcgcccat gctggagtgc aatggcgtga 54922731
tctcagctca ctgcaaccgc gcctcccagg ttcaagtgat tctcctgcct 54922681
cagccttccg agtagccgga attacagccc tgtgccacca tgcctggcta 54922631
atTTTTTgta ttcttactag agacgggggt tcacaatggt ggccaggctg 54922581
ttctcggact cctgacctca ggtgatctac ccgcctcagc ctcccagagt 54922531
ggtgggatta caggcg

NLRP7 (NC_000019.10, GRCh38) - gDNA - 2026-05-25

