

Infevers - NOD2 (NC\_000016.9, GRCh37) - gDNA - 2019-06-20

gcttcocctgg	gcttccocctc	ctctcctgtc	tgcaaggggt	cagtgggctg	50730099	
agatttcagc	acttaagcaa	agcatttgct	cttggcccca	gagaaaccgg	50730149	
gctggctgtg	gtctcaggaa	ggaaggaggt	gtccaggctc	aggcctgggc	50730199	
ctgggtttca	gggagggcc	acgtgggtcg	ccccttgacc	ctctctttca	50730249	
gcaaggaagt	gatcctttct	ctacatgggc	ctcaccttgg	ggaggacaat	50730299	
ggtgtctttg	aagttgtagt	aactgaagta	gagatcaaaa	ggcaatgcag	50730349	
atagactgac	agatttcgcc	tgaagagggg	aagcccgacc	aggtaataaa	50730399	
ggagtaagag	gaaggatggt	aaggacaatt	ttaggaaaca	gataatgagt	50730449	
gaatattttt	tctctctctt	tcccaattta	aactgaagca	ggagaaactg	50730499	
aagctagaca	taatgattaa	cttccaagc	tggtgagctt	cctgagctgg	50730549	
ttagtgagaa	cagcactaag	gccaggttct	cctccccaga	tgtttaagat	50730599	
gagacaggac	aatgcctgct	cagagacagg	gcctggctga	attggccctc	50730649	
aggattctct	ctgctctgag	gtttctggaa	gaaggccagg	gcagaggtgt	50730699	
ggtgatgtag	ctgctgggag	gacagagctc	cgagtcaagt	ggcttggggc	50730749	
ggcctccoct	tcctgggtgc	cacagaagcc	caacgtcact	agctgggggtg	50730799	
tgtatggctc	acacgtaggc	caggctgccc	taggcttggg	gtgcaagggg	50730849	
ggggccccta	cttaactgtg	gcctgtcccc	tcgtgaatgt	gtctcatgtc	50730899	
cccagtgggg	tttttcagtg	agggctcatgg	tctccaggat	gcacaaggct	50730949	
ttgtgccaga	attgcttggg	attgocctagt	tctggaaggc	tggttggcca	50730999	
actctggcct	ccggcttttc	ctttgggaat	ttccctttaa	ggtgggggtg	50731049	
<b>GTAGACAGAT</b>	<b>CCAGGCTCAC</b>	<b>CAGTCCTGTG</b>	<b>CCACTGGGCT</b>	<b>TTTGGCGTTC</b>	50731099	
<b>TG</b> <u>C</u> <b>ACAAGGC</b>	<b>CTACCCGCAG</b>	<b>ATGCCATGCC</b>	<b>TGCTCCCCCA</b>	<b>GCCTAATGGG</b>	50731149	<a href="#">c.-53C&gt;T</a>
<b>CTTTG</b> <b>ATGGG</b>	<b>GGAAGAGGGT</b>	<b>GGTTCAGCCT</b>	<b>CTCACGATGA</b>	<b>GGAGGAAAGA</b>	50731199	
<b>GCAAGTGTCC</b>	<b>TCCTCGGACA</b>	<b>TTCTCCGG</b> gt	aagaggagca	ggcattgtcc	50731249	
cgtcccagct	tgatcctcag	ccttctttca	tccttggccg	cgacatgctc	50731299	
ccaggcctgg	ggtcagatgg	ggagtgtctga	ctctgtttct	gggctgtttt	50731349	
ctggggagaa	tgggtcggcg	ggtttttttc	cccaggacct	gggcagggtc	50731399	
aatggtgggg	gccgctgtcg	catccttggc	tgggtgtttcc	acagctgaga	50731449	
accactccag	ggccaagccc	agagcttatt	ctaccctttt	ttgtcctctc	50731499	
ttcccctgtc	ctcggccacc	ccaccctctt	ggctcctctg	cttagatgtg	50731549	
ggcacaagga	ggagaactcc	ttggcctgag	agaactacct	tagatcctgg	50731599	
cttccagtg	cctctgcagg	ggggtacacc	ctctctcca	agcagccaga	50731649	
cacacaagta	acctcattgc	ctcagtttcc	ccatctgacc	agcacagggc	50731699	
cccctgtgcc	ccagcagcgt	tctgagagat	tggagctttc	tccttttgct	50731749	
taccttggct	accgtatgag	gacggataca	gagtgttccc	cccaccccca	50731799	
gccaggggga	tatttgattc	atgaacattc	cctcagtgct	tttgtggggg	50731849	
acaatgctgt	gccaggctca	gggatgccag	gacgagtaag	accagggctc	50731899	

ccacgtggcc	caggcagggg	gagagacaca	taaacaacca	tcaggaaaga	50731949	
ggtaaaatcc	ccagggcact	tggcatctgc	tcccttgagt	gtctgggaat	50731999	
gtccctgatt	tataaaaaga	agctgacggc	cctctttggt	gtccatgcct	50732049	
acaccctttc	actttcgttt	cttcggggca	ctgcagcagc	ccttgtccac	50732099	
agaccccatg	acaatcgcag	aactgaccat	gctgagagat	tttcttggt	50732149	
gctcagggac	cctgccaggg	cttgaagctc	ctggagggtc	acttgccctc	50732199	
aaattcccag	aacgcacagc	aggtcactga	tgatagcagt	ggcagcagtc	50732249	
tgtgcacggg	ggtttcgagg	gcgtgggagg	gaggtgaggg	ccctagggca	50732299	
agtgtgtgtg	ggaagtgtt	atgggggaca	aggcaccaga	acgctcggaa	50732349	
acaacttagt	ttgcaccgta	atctttcact	tcgcctagga	caggaccttt	50732399	
agagcaatat	tctgagtcta	ccccttgag	tagcagtgtg	caaaacacac	50732449	
agcacgggct	tggggccccc	gtggggaacc	caaatgtaag	agttagagac	50732499	
atgcattccg	gagtcataca	tggctcgtgt	tgaaatcctg	actctgcctg	50732549	
tctagctgtg	acacatcgta	caaatcactt	agcttcttgg	tgccctcagt	50732599	
tcttctctctg	tagaatgggt	agatcatagg	cactacttca	gagtggctgg	50732649	
gagggttcag	tgaattcctg	caggagagca	cttagaatgg	cacttggtgt	50732699	
gtagtttatg	cttaattaat	attagccgtt	actgaaactg	ctgtagcctg	50732749	
aatccagcca	gcatgaaaga	gcccctctca	ccctgcttcg	aagagaatga	50732799	
attccctgat	tgtttggaag	atctctctct	ctctctctgt	cttttttttt	50732849	
tttttttgag	aaacggtctt	gctctcttgc	ccaggctgga	gcgcaatggt	50732899	
gccatcttgg	ctcactgcaa	cctctgcctc	ccgggttcaa	gtgattctcc	50732949	
tgtctcagcc	tcctgagtag	ctgggattac	aggcgcctgc	caccacgcct	50732999	
ggctaatttt	tgtattttta	gtagagacag	cgtttcaccg	tgttgcccg	50733049	
gctggtctag	cgctcctgat	ctcaagtgc	cttgggagat	ctcttgctcc	50733099	
taatattacc	tcaagccttt	ttaaacgttt	taagccggag	accaagcatg	50733149	
gatatgggag	ttaggggtct	tgatttaatt	cttgggtgct	tcaaactctg	50733199	
tggaaccttg	agggtgtttct	tgcttctct	gggtctcaat	tttcacatct	50733249	
atatggtggg	gagcttggt	tgggtaatgt	ctgaggctag	aaccatggcc	50733299	
aactcggggt	ctgctggggc	tgacttgccc	tggccttccc	tgaccacct	50733349	
gcatctggct	tctggagaag	<u>tcccgcactg</u>	accttgttct	cc <u>tccccagG</u>	50733399	<u>c.-37 T&gt;G c.-33G&gt;T c.-15T&gt;A</u>
<u>TTGTGAAATG</u>	<u>TGCTCGCAGG</u>	<u>AGGCTTTTCA</u>	<u>GGCACAGAGG</u>	<u>AGCCAGCTGG</u>	50733449	<u>R38M</u>
<u>TCGAGCTGCT</u>	<u>GGTCTCAGGG</u>	<u>TCCCTGGAAG</u>	<u>GCTTCGAGAG</u>	<u>TGTCCTGGAC</u>	50733499	
<u>TGGCTGCTGT</u>	<u>CCTGGGAGGT</u>	<u>CCTCTCCTGG</u>	<u>GAGGACTACG</u>	<u>AGGGCTTCCA</u>	50733549	
<u>CCTCCTGGGC</u>	<u>CAGCCTCTCT</u>	<u>CCCACTTGGC</u>	<u>CAGGCGCCTT</u>	<u>CTGGACACCG</u>	50733599	<u>L81V</u>
<u>TCTGGAATAA</u>	<u>GGGTACTTGG</u>	<u>GCCTGTCAGA</u>	<u>AGCTCATCGC</u>	<u>GGCTGCCCAA</u>	50733649	<u>A105A</u>
<u>GAAGCCCAGG</u>	<u>CCGACAGCCA</u>	<u>GTCCCCCAAG</u>	<u>CTGCATGGCT</u>	<u>GCTGGGACCC</u>	50733699	<u>D113N L119L</u>
<u>CCACTCGCTC</u>	<u>CACCCAGCCC</u>	<u>GAGACCTGCA</u>	<u>GAGTCACCGG</u>	<u>CCAGCCATTG</u>	50733749	<u>R138Q A140T</u>
<u>TCAGGAGGCT</u>	<u>CCACAGCCAT</u>	<u>GTGGAGAACA</u>	<u>TGCTGGACCT</u>	<u>GGCA<del>T</del>GGGAG</u>	50733799	<u>D154N L155Q W157R</u>
<u>CGGGGTTTCG</u>	<u>TCAGCCAGTA</u>	<u>TGAATGTGAT</u>	<u>GAAATCAGGT</u>	<u>TGCCGATCTT</u>	50733849	

CACACCGTCC CAGAGGgtga ggcactcctg gtgtgcatca cagagttctc 50733899 [s178s](#)  
aggaaagggg tgcttagtca ccaagactga tttgtcctca tgaagtcagc 50733949  
ctgtggggta acttgggtcca tgggatttcc cctaaaaagg tagccaggca 50733999  
ggtaaaattht gctcttgact cttggcagga aacgtacaac tctttctttc 50734049  
ttctttttctt ttctttttct cactctgtta ccctggctag aatgcagtgg 50734099  
cacaatcata gctcactgta gccttgaatt cctgcgctca agtgatcttc 50734149  
tggccttaga gtagctggga ctacggctgc tgtaccacca tgaacagcta 50734199  
atthttttttt tttcttttag agatgggggtg ttgctatggt gcccaggctg 50734249  
gtctccagct cctggcttta agcaatcctc ccgccttggc ctcccaaact 50734299  
gttgggattg caggcatgag ccactttgcc tggccaacag aacacttctg 50734349  
ccgagaggaa gtgtgtgggtg gccaggaact cagattctgg agccagaatg 50734399  
gtgcaggctc aagggtcaacc ctgtgtgatc tcaggcttcc ctatggagcc 50734449  
tctccagcct cagtctccct tgtttcagtt tctcatcta caaaacaatg 50734499  
ttaatagtca aatgggtgct atcctataag gctcttggga ggattcagtg 50734549  
agttaattht agtaatgctt aggatagtgt ctattaccac tggctgctat 50734599  
ttattattht tgttatgagt gatactctgt acttgtacac ttttatttct 50734649  
gtctgtthta aattaacagc acaacagacc ataactctgc agtatattga 50734699  
atthattthta taattaacat agcatattat aaactaatat agcttaaathg 50734749  
tttatgtagg atthctgaca tgaaathgca ttagatcata gatgttcaga 50734799  
gttgggtatat aacagcccct gagaathtag taactcagca gagaccagaa 50734849  
ggtcagagaa atgaccactg agtaththtgg aaactcttht gthttcttcc 50734899  
aaathgtgat tcttagggct cctgagaggc agatggaaca atcattaaca 50734949  
ttccactthta taaatcggga agttgagacc aaggaaagta gthttgaataa 50734999  
gctcacagta gthaatgagg gggccagtgct tggaccaath ggccagcact 50735049  
ggtcattgac thattcatcc atcattcatt tattcagcca gaathctatta 50735099  
ggtgcttcat acaththtgc thaaagthtgg ttgtgttcat agagctthtgc 50735149  
acacggtagg tactccataa acaththtgg atgaaataag tgagthtactg 50735199  
aathaatgat tgaathtaga tgacactgca gtgtthaaath gggctgggtht 50735249  
ggggaacath thagththtgg ththtgtctg ththtccaaa atgtatgtgt 50735299  
tgthtcacath agtctggata accctagath gagathgatg acathaaataa 50735349  
atthtgtctc aaggctgcac thaaagctggc tcacatggct aggtaththac 50735399  
agagcagaag tgggtgcagtc ctctctgath agthtgcagth acagaagaca 50735449  
ththctgtht tggactgacc thagththctc thataaththt thaggggath 50735499  
tgaathcagcc cathctgagaa gthtacaagath tgtgtcttgt cathththaa 50735549  
agthtcagcaa tgtgatgtgg tacagatggth ctgaggggtht tgggagaaggt 50735599  
agcctagath cctagggccc agagaagaca ggatgtgaac agaggaagth 50735649  
cathggathgg tgaagaaaag aathgggata actcathggth caaagaagaa 50735699  
athcathgatg aathcagaaa athathcagaa ccathacaata atgagaathat 50735749  
ththththcaa aathctathgg atgcagctaa agcaggacath aggggggaaath 50735799

ttacaacctt	aggtgcctag	attaggaaag	aaggaaggca	tttgtttatt	50735849
tatttgttta	tttatttatt	tgagatgggg	gtctcactgt	gtcaccagg	50735899
ctgctggagt	gcagtagcac	gatcataaat	cactgaagtc	tcgaacttct	50735949
gggctgaagt	gatcctcccg	cctcagcctt	ccaagtaggt	gggacacagg	50735999
ctagcaccac	cataccaggc	taattttttt	tttgtagaca	cagggctctg	50736049
ctatgttgag	gtctcaaact	cctgggctca	agtaatcctc	ctccctcggc	50736099
ttcccaaagt	gctgggatta	caggcatgag	ccactgcgcc	catctaaggc	50736149
tgaattttaa	tgagctaaga	attcatctta	agaaagggct	aaatagacag	50736199
caaaagcaaa	cattgaaggt	tgggactgag	ctgagtggtt	agcagggatg	50736249
ggagacaaca	gatctgagga	gagcaggaga	ttttgaaagg	attgcaactgc	50736299
ctgaggttta	agcctttaga	atccagctct	ctctgagctc	cctttgagct	50736349
ctgacattct	gtgactctga	tttgggtggc	ttcccttagt	ggccttactg	50736399
atctcatttg	gatgggtgctt	gtggtatata	caaccaacat	gtcttcccaa	50736449
atggcctttt	aatttcctat	aaagaagtag	ttgtcattga	ttgcaggtta	50736499
gggacagaaa	atgctgtgga	atgaaacaaa	atgcaagtta	aagaactaaa	50736549
ttccaaaaat	accatttgct	actattgact	gagtgaaatc	ctactgtgtg	50736599
ccagacactg	taccagctcc	attccctgta	ttgttttatt	taagcctcac	50736649
aagggtatag	tgtgactaca	ctgtttctta	acaatgaaga	aactgcccaa	50736699
atcgcccatc	tgggaagcgg	cccagctaga	atgtgaatcc	aggcctgttt	50736749
tcctccagag	cttgtgctat	tctctgtctg	tcataaaatg	tgggggcttt	50736799
gtgtggtaaa	cttgctcagt	tgggcatagc	agttgttagg	aaacctgagg	50736849
ctggtaacac	cagctgtaat	accagctgtc	cgtctgactc	atgcaactgt	50736899
taaagttgat	agggctgagg	tgtcagactg	agctctgaat	tgcctgattc	50736949
ctataacaat	attaacttaa	acatttttta	aattgggaaa	tgcaccatgc	50736999
atacagaaga	gtgtgtatat	ttcatatgta	tagtgtaaac	tgttcccatc	50737049
accagggtta	aaaaacagga	tgttgccagt	acctggggcc	ttctttaact	50737099
gcaactgcta	gaggtaaaaca	ctggcttgac	ttttgtgtaa	atcatctctt	50737149
tgcctttctt	taatgtttta	gcatctttta	aaataaatcc	caaataatg	50737199
tattgttcta	ttttgaaaaa	ctgagtagca	agccaaaaat	agctgtgtaa	50737249
agaaagggtca	cttaaattag	gctgggtgca	gtggctcaag	cctttaatcc	50737299
cagtactttg	ggaggctgag	gcaggtggat	cacaagggtca	ggagatcgag	50737349
accatcctgg	ccaacatgga	gaaaccccg	ctctactaaa	aatacaaaaa	50737399
attagccaag	aatagtggca	tgtgcctgta	gtcccagcta	ctcgggaggc	50737449
tgaggcagga	gaatcgcttg	aaccggggag	gcagatgttg	cagtgagccg	50737499
agatcgcact	gcttgaacct	gggaggcaga	ggttgcaagt	agccaagatc	50737549
gcaccactgc	actctagcct	gggtcacaga	gcaagactct	gtctcaaaaa	50737599
aaaaaaaaaa	aaaaagaaag	gttactattg	ccttttctta	gatgaagggt	50737649
cccaaggcag	ggaaagctaa	gtggagtctc	agggacttgg	tctggctttt	50737699
ccttcctggg	gaatttataa	ggacctcttc	tgggaagtca	gtcggcaatg	50737749

ccatgaatga	gtctggggaa	atattgggct	cattgcaact	ggagggctctg	50737799
gtaggactga	tgtgaattag	gtgctgtgtc	cggaggaaaa	tggccagagg	50737849
aagtgggctg	ctttgtacag	tcagtggtaa	agttgccaaa	ggctattata	50737899
gctcacagga	atgggccaag	gctaaacact	cctgtggagt	gaaatgaatg	50737949
tcctcagctg	actgaggcag	cgggagttga	aaagaaacga	tattagttca	50737999
tggggaagac	aagtcaaata	tagataaagg	ttagggtcag	gcttgccctgg	50738049
acatctagga	gataactgcc	ctcaacttgt	ttgaatcttg	agtcactgct	50738099
ccatdddgtt	tgaactggg	gccatctact	tatagtatac	agccatcaac	50738149
ctgagattdc	cctacatgg	cttcctgcct	tggctcctctg	tatcctgaat	50738199
cctatggcct	cttcttccct	ggtttactac	atdddgtctag	accgtatcct	50738249
ccagtcaatt	ccttagaatg	aatgtatgaa	agttaaaatt	tctgaggctct	50738299
cacatgtctt	aaagttdcct	catactggat	tgatagtttg	gctgggtata	50738349
aaattctggg	ctggccatca	tttctctca	gaatdddgtat	tgcattattdc	50738399
cattatcctc	tctdddcaat	attdcttcta	agaattdcaa	aacctdddtd	50738449
tttddddtd	tttgagacag	tgtctcactc	tgtcaccctag	gctggaatgc	50738499
agtagtgtga	tctcagctca	ctgcaacctc	cacctcctgg	gttdtaagtga	50738549
ttcttcttdc	tcagcctcct	gagcagctgg	gattacaggc	accaccacc	50738599
acacccttda	gtagagatgg	ggtdtdtctca	tgttdggccag	gctggctcttg	50738649
aaattdctgac	tttaggtgat	ctgcctactt	cggcctccca	aagtgctggg	50738699
attaaaggcg	tgagccacca	caccagcct	ccaaaacct	tttdaaactc	50738749
tttdctggaag	cttdtdaaaat	tttdcttdtag	tcccagaat	tttdaaaattd	50738799
caattatgtg	ccttdggtgtt	cttdcattat	gttagtcacc	caagaggctac	50738849
tttdcaatctg	gaaacttdctc	tatgttdtdtg	gaaatgttdct	tgattdagtdt	50738899
acaggtgatt	tcttdctctc	catttdtatct	cttdctcttd	catgaaacta	50738949
ctattaattdc	aatgttdtagaa	ttccttdgact	gatcatttdaa	tttdcttdcta	50738999
tttdtccatct	ctgtgtcttd	ttgtctact	tttdctatgat	agtcacagct	50739049
ctatcttdtdaa	actcttdgagt	tttdcatttd	tgatgtctatg	attdtdtaattd	50739099
gcaaggggta	ggtdtdgactg	attdcttdtdtd	gtagtdatctt	actcttdgtdt	50739149
tatggatgca	acatcttdctt	tgacttdaagg	atcataagat	aggtgggttdc	50739199
tttdgttdgtt	tgtdtdgactg	tttdtdcacc	tatgtdaaact	tttdcttdcaa	50739249
gttdtdcttdtdc	ccttdccccc	tttdtdggctt	ctatcttdcca	cattagatgc	50739299
tttdctctggg	ctcatgatac	tcttdtdgtdt	tcttdtdctcaa	gattgacag	50739349
taggacttdta	aaacttdgttdg	agcatgctggg	tgaaacttdgt	ctacctgaa	50739399
tttdcactgta	gatattdtdtg	agattdgacag	tgttdtatatc	tttdagatctc	50739449
gcctcctggg	ttgatcaagt	tatctgagta	caccacagac	cttdtdgctg	50739499
gggataaacc	agaaatctgt	ttcagaaacc	acttdtgattdc	agtdcttdcctt	50739549
gttdtdtagtdca	tttdccttdcag	ttcggagggt	ccctcatgct	gatcatttdca	50739599
gagcccttdta	cagatcctag	ggtdacacact	gcatggttdtd	caacttdtdctt	50739649
gttdtdgggg	taagattdtdg	cttdtdcaggag	tctcctcagt	ccgttdactat	50739699

tcattcaatc	agcaagtcct	tgagcacctg	atgtgtgcca	gacattcttc	50739749
taggtgttag	ggatacctca	gtgaacaaaa	cagacaaaaa	tctttgtctt	50739799
ggaaatacac	acactccagt	caggggagag	ggacaataag	ccaaaggaag	50739849
gaaattacag	cgtgtgctag	aaggtgataa	gtgctgtaga	aagtaagtaa	50739899
agtgggtttg	ggagttgaga	gtttgggaag	gggataaatg	atggcaattg	50739949
taaatagagt	agtcagagtt	ctcacttaga	aggtgaaatt	caagtaaaga	50739999
cttgaaggag	gacaggggat	tagccacatg	gatggctagg	ggaaggcttc	50740049
caagctgaga	ggacagccag	agccaaggcc	cagaggcagg	agcatacctg	50740099
gtagttttag	gaaacaggag	gccaggatgc	tgagtggagt	aagagggggc	50740149
atgaaaggag	aaacttgggt	ccacgtgggt	ctagacaggt	atTTTTgtct	50740199
gttttgggcc	ctgaaggtta	ctattggact	tggactotta	ctctgaggaa	50740249
atagggacgc	tattgggacg	tttgtacagg	agcaatgtga	cctgagtttt	50740299
gtttgtaaaag	gattagactc	tggctgtggc	attaaggcta	ggctgtgggg	50740349
gcaggaacag	aagcaggggg	accagttttg	cagcctgtgc	agctttccag	50740399
ataagcaggg	attgtggctt	ggaggaggat	ggtatagagg	aggtgacaag	50740449
aatgactct	atgtctggta	tgtagatatt	ggccacagat	ggcatttgag	50740499
cactagagac	ctggctggtc	cacatggagt	ttccataagc	acataataca	50740549
catcagattt	caaagactta	atatgaaaga	aagaatgaaa	cgtaccttgc	50740599
tatttctttc	tttttttttt	ttttttgaga	cccagtcttg	ctctgtcacc	50740649
caggctggag	tgcagtggtg	tgatctcggc	tcactgcaac	ctccgcctcc	50740699
caggttcaag	tgattctcct	gcctcagcct	cctgagtacc	tgggactaca	50740749
ggcacctgcc	accacgcctg	gctaattttt	tgtattttta	gtagtgatgg	50740799
ggtttcacca	tgttgtccag	gctggtctgg	aactccggac	cttaggggat	50740849
ctaccgcct	tggcctccca	aattgctggg	attacaggca	tgagccacca	50740899
tgctcagcca	tatcttgcta	ttttctacat	ggattacatg	ttgaaatggt	50740949
aatgttttgg	ctattgtgga	ttaaatagaa	tatatgatta	aagttgattt	50740999
catctatttc	ttttaacttt	aaaaaatatg	tctgttagag	gatttgaaat	50741049
tccacatgcg	gcttgcattt	gtgacctgca	tttcatttct	gtggaacagt	50741099
gccctttttg	ggacatgctt	tgaagggtgga	gtcaacagga	tttggcagat	50741149
tacagacgag	aggcttcaag	ggtgactcca	agacttcggg	gcagagcacc	50741199
tggaagaaag	gggttaatat	tagccaagat	gaggaaggct	gtcggtttgg	50741249
caggtgcatg	ggcagggttag	gagtttagtt	ttgaatatgt	tggagggtgtt	50741299
tatgaaactt	ttaagtggag	atggaaaata	ggcagttgga	tgtgcaagtc	50741349
cagggttcag	ggagacagtt	caggctggag	atgaagatgt	gggagtctga	50741399
ggagagattg	tattcaataa	ttcaatccat	gagacttgat	gaaatcactt	50741449
ctcttccaaa	tgatttacag	cctgcagaat	cattttccct	atctttgtag	50741499
gtttatgtct	tcattttggt	tcatttattt	ttcagttatt	cactgtttta	50741549
gtgagttttg	agtaggagcc	agattggatg	catgcttca	attcaccatc	50741599
caacactgta	ttaactactt	gaaactcatg	tggttgttcg	gttgtttttt	50741649

tgacctttta	ttctggatgg	aagagagatg	cttatgaagt	tgcagtaatc	50741699	
agtaagcctt	cccacattgc	tccatcagcc	ttcctggaag	aataatgtct	50741749	
tctgcctttc	ctgtagGCAA	GAAGGCTGCT	TGATCTTGCC	ACGGTGAAAG	50741799	<u>T189M</u> <u>T189T</u>
CGAATGGATT	GGCTGCCTTC	CTTCTACAAC	ATGTTTCAGGA	ATTACCAGTC	50741849	<u>F198L</u>
CCATTGGCC	TGCCTTTGGA	AGgtaggtgt	atgtttctcag	ttaatcagaa	50741899	<u>A211A</u>
agggaagggc	agtcagtgca	gatccatggt	taagagcaga	acacacctcg	50741949	
gttaacatcc	catatgctgg	cagtatagcc	tccctatgac	tcaatttcct	50741999	
tgttttaagg	ctagcaccac	cccgtctcat	tgggattttg	ggagcattaa	50742049	
aaggacaaaa	gcggtgtaatg	ttagctatta	gctttcatta	tctcccacac	50742099	
agtatactga	caattgggct	accatatatt	gagggctaac	taaaggtggt	50742149	
acttaccatc	caaaactctca	ttatctgtac	cgaaaagata	tggacacatg	50742199	
ttttgagtta	gggctggtat	ctcttgatct	ctgaaattta	gcagctcaca	50742249	
atgggaaact	caagaaccaa	gtggatctag	agactctggt	atccctcagt	50742299	
gcccagggtc	accacccaaa	ctcaggaaca	ggaggggctt	ggaccgcacc	50742349	
acttgaacat	accaggcatc	ctgccagggtg	ctttatggac	aatgtctacc	50742399	
ctttgcaaca	accctgagaa	gtaggtgggtg	tttttttcca	ccttatagat	50742449	
gtggaaactg	ggcagggagg	ttaagtgacg	agggagggga	agatgggtct	50742499	
gattgtaaat	tgtccccacc	tacactttct	cttttcttgg	gagaagaaat	50742549	
gtcagttgta	aagagagagt	gcaagcctgg	cactcttttag	ggcttgttcc	50742599	
tacaccactg	tagggaaagc	tcattggcac	tgaagcccc	tgagctgtgt	50742649	
gtgggtgctg	cagatgggtc	tatcacctctg	ggctgtgtcc	tctgggcagc	50742699	
aagcaagcct	gtgggcgggg	tggctggaag	tctgtgcctg	gcactcgcga	50742749	
gtgcaccgtc	tcattgaaga	acaggatcta	aacatcagtg	cgccacagca	50742799	
gggtgcgcgg	cacggagtgc	aggccctggt	ttggcccttg	gttgaggttt	50742849	
gctgttgaca	tcatcaagca	cagctagtca	ctgtaagacc	aggccaggggt	50742899	
gcaagattcc	ccacacttct	aaaggtgaca	attgggtgtgt	ttatttctct	50742949	
ataaaatgac	atTTTTTTTT	tctggagaat	tttagtatca	ttgggtgatga	50742999	
ctggaaaacc	tgcatcagaa	atcaggctcgg	aagaggaaga	tatatatctg	50743049	
atatgtactg	gagaggaaga	tatctatctt	atggtctaag	ttcagggatc	50743099	
ctggtatatt	cagagggcag	aaagctcagc	aataatcatc	aactctggga	50743149	
acagaggtga	cataaacaca	gggcgtcccc	tttgtgtgac	tgcagatagt	50743199	
catcagtgag	ctcagagctc	tatgaaaatt	acttgctagt	ttttgggttg	50743249	
aaaatagtgg	gccagtgttt	ggttggggggc	agtgaggctg	tgatggcggg	50743299	
ggaccatgcc	aagctoctac	cagcctggga	cgctaaacca	gcacttcccc	50743349	
atctcctgaa	aggggaacta	aactctgaca	caggaaatgg	tttgcttgca	50743399	
ttactttcag	gatgagaaag	gaagagcact	ggccttccaa	acacacccccg	50743449	
tgcatgaaaa	ctctccctgc	atgggggtgca	tggggaggat	ggggaagtgg	50743499	
aggcaggatc	acagactctt	gttcgagtg	tcagctgggg	caccccgggtg	50743549	
accccagggc	cttcccttgc	taggtccacc	cagatcaatc	aggatcatct	50743599	

ccccatctcg	aagtttaact	ttatcacatc	tcagagttcc	ttttgccacg	50743649	
taaggtaaca	tattcacagg	ttctgagaat	ccggacatgg	acatctttga	50743699	
gggtctattg	ttgtgcctac	tatatccatg	aataataatg	ataataagca	50743749	
ccatTTTTTg	agagtttgcc	atgtcagata	ttcttttaaa	ctgtatttta	50743799	
tctcgctgcc	tctgaaaaa	atccttccag	gtgtatattg	tccccatttt	50743849	
tacagatgag	agaactgagg	cccagaaagg	ctaaatggct	tgcccaagtg	50743899	
tatggtggac	ccaggttttc	aaactcaggt	gtgtctggct	tcagagactg	50743949	
ggctcctgag	cccttaagcc	ctttgttccc	ctttagaaaa	agtcacctga	50743999	
ggctgagtg	tgaagggatt	tatccaaagc	cacccggcca	ctatggcagg	50744049	
acagatatca	gaatacaggt	cttccgatcc	cagcccagag	ccccttcccg	50744099	
tcatctagaa	ctcctcctgg	tgctcagtaat	gataacggca	gtcactgatg	50744149	
tcttttgagc	acttactttg	tgttgagcac	ttacactgtg	ctaagcactt	50744199	
gacataggtc	atcttagttg	atccgtgtaa	aactctgtga	ggtagtgacc	50744249	
aacattttctc	ccaccttaca	gaggtggaaa	ctgaggggta	ggaagtttcc	50744299	
ttgactgtcc	tcaaagtgca	cagcttgtga	atggaggagc	caggatgggc	50744349	
gcccgtggc	tctcctatcc	cttcagttat	gtcagcgtcc	cccgcagcag	50744399	
cccattgtct	ggttaggctc	cgtcttcacc	atggtgccac	cttcatctgc	50744449	
<u>ctcttctct</u>	gccttccagC	TGCCACATGC	AAGAAGTATA	TGGCCA <u>AGCT</u>	50744499	<u>c.647-18_16 delTCT</u> <u>K225M</u>
GAGGACCACG	GTGTCTGCTC	AGTCTCGCTT	CCTCAGTACC	TATGATGGAG	50744549	<u>Q233X</u> <u>R235C</u>
CAGAGACGCT	CTGCCTGGAG	GACATATACA	CAGAGAATGT	CCTGGAGGTC	50744599	<u>T245M</u> <u>L248R</u>
TGGGCAGATG	TGGGCATGGC	TGGACCCCCG	CAGAAGAGCC	CAGCCACCCT	50744649	<u>P268S/SNP5</u>
GGGCTGGAG	GAGCTCTTCA	GCACCCCTGG	CCACCTCAAT	GACGATGCGG	50744699	<u>H287Y</u> <u>N289S</u> <u>D291N</u> <u>A292V</u>
ACACTGTGCT	GGTGGTGGGT	GAGGCGGGCA	GTGGCAAGAG	CACGCTCCTG	50744749	<u>T294S</u> <u>V298V</u> <u>A301V</u>
CAGCGGCTGC	ACTTGCTGTG	GGCTGCAGGG	CAAGACTTCC	AGGAATTTCT	50744799	<u>R311W</u>
CTTTGTCTTC	CCATTCAGCT	GC <u>CGG</u> CAGCT	GCAGTGCATG	GCCAAACCAC	50744849	<u>R334W</u> <u>R334Q</u>
TCTCTGTGCG	GACTCTACTC	TTTGAGCACT	GCTGTTGGCC	TGATGTTGGT	50744899	<u>L348V</u> <u>L349F</u> <u>H352R</u> <u>W355X</u> <u>D357A</u>
CAAGAAGACA	TCTTCCAGTT	ACTCCTTGAC	CACCCTGACC	GTGTCCTGTT	50744949	<u>I363F</u> <u>R373C</u>
AACCTTTGAT	GGCTTTGACG	AGTTCAAGTT	CAGGTTACAG	GATCGTGAAC	50744999	<u>D382N</u> <u>D382E</u> <u>E383K</u> <u>E383G</u> <u>D390V</u> <u>R391C</u> <u>R393H</u>
GCCACTGCTC	CCCGACCGAC	CCCACCTCTG	TCCAGACCCT	GCTCTTCAAC	50745049	
CTTCTGCAGG	GCAACCTGCT	GAAGAATGCC	CGCAAGGTGG	TGACCAGCCG	50745099	<u>N414S</u> <u>R426H</u>
TCCGGCCGCT	GTGTCCGGCT	TCCTCAGGAA	GTACATCCGC	ACCGAGTTCA	50745149	<u>P427S</u> <u>P427P</u> <u>S431L</u> <u>A432V</u> <u>E441K</u>
ACCTCAAGGG	CTTCTCTGAA	CAGGGCATCG	AGCTGTACCT	GAGGAAGCGC	50745199	<u>L456L</u> <u>R459R/SNP6</u>
CATCATGAGC	CCGGGGTGGC	GGACCGCCTC	ATCCGCCTGC	TCCAAGAGAC	50745249	<u>P463A</u> <u>G464W</u> <u>L469F</u>
CTCAGCCCTG	CACGGTTTGT	GCCACCTGCC	TGTCTTCTCA	TGGATGGTGT	50745299	<u>H480R</u> <u>G481D</u> <u>c.1447T&gt;C</u> <u>W490L</u>
CCAAATGCCA	CCAGGAAGCTG	TTGCTGCAGG	AGGGGGGGTC	CCCAAAGACC	50745349	<u>C495Y</u> <u>H496L</u> <u>E498</u> <u>L500delinsV</u> <u>L501P</u> <u>E503E</u> <u>P507S</u>
ACTACAGATA	TGTACCTGCT	GATTCTGCAG	CATTTTCTGC	TGCATGCCAC	50745399	<u>T510I</u> <u>D512H</u> <u>D512Y</u> <u>M513T</u> <u>M513R</u> <u>H520Y</u>
CCCCCAGAC	TCAGCTTCCC	AAGGTCTGGG	ACCCAGTCTT	CTTCGGGGCC	50745449	<u>P527P</u>
GCCTCCCCAC	CCTCCTGCAC	CTGGGCAGAC	TGGCTCTGTG	GGGCCTGGGC	50745499	<u>L550V</u> <u>S58DELLG</u>
ATGTGCTGCT	ACGTGTTCTC	AGCCCAGCAG	CTCCAGGCAG	CACAGGTCAG	50745549	<u>Y563H</u>



CCCTGATGAC	ATTTCTCTTG	GCTTCCTGGT	<u>GCGT</u> GCCAAA	GGTGTCTGTC	50745599	<u>R587C</u>	<u>R587R/SNP7</u>
CAGGGAGTAC	<u>GGCG</u> CCCCTG	<u>GAATTC</u> CCTTC	<u>ACATCA</u> CTTT	CCAGTGCCTC	50745649	<u>T596T</u>	<u>E600K</u> <u>E600A</u> <u>H603R</u> <u>T605P</u> <u>T605N</u>
TTTGC <u>CGCGT</u>	TCTACCTGGC	ACTCAGTGT	GATGTGCCAC	CAGCTTTGCT	50745699	<u>A611A</u>	<u>A612T</u> <u>A612V</u>
CAGACACCTC	TTCAATTGTG	GCAGGCCAGG	CAACTCACCA	ATGGCCAGGC	50745749		
TCCTGCCCCA	GATGTGCATC	CAGGCCTCGG	AGGGAAAGGA	CAGCAGCGTG	50745799		
GCAGCTTTGC	TGCAGAAGGC	<u>CGAGC</u> GCAC	<u>AACTTC</u> CAGA	TCACAGCAGC	50745849	<u>E667K</u>	<u>P668L</u> <u>N670K</u>
CTT <u>C</u> TGGCA	GGGCTGTT <u>G</u> T	<u>CCCG</u> GGAGCA	CTGGGGCCTG	CTGGCTGAGT	50745899	<u>F677L</u>	<u>L682F</u> <u>R684W</u> <u>R684Q</u>
GCCAGACATC	TGAGAAGGCC	CTGCTC <u>CGG</u> C	GCCAGGCCTG	TGCCCCTGG	50745949	<u>R702W/SNP8</u>	<u>R703C</u>
TGTCTGGCC <u>C</u>	<u>G</u> CAGCCTCCG	CAAGCACTTC	CACTCCATCC	CGCCAG <u>C</u> TGC	50745999	<u>R713C</u>	<u>R713H</u> <u>A725G</u>
<u>AC</u> <u>CGGG</u> TGAG	<u>GCCA</u> AGAGC <u>G</u>	TGCATGCCAT	GCCCGGGTTT	<u>AT</u> <u>C</u> TGGCTCA	50746049	<u>P727L</u>	<u>V733L</u> <u>I740I</u>
TCCGGAGCCT	GTACGAGATG	CAGGAGGAGC	GGCTGG <u>C</u> TCG	<u>GA</u> AGG <u>C</u> TGCA	50746099	<u>A755V</u>	<u>A758V</u> <u>R760C</u>
<u>CGT</u> GGCCTGA	ATGTTGGGCA	CCTCAAGTTG	ACATTTTGA	GTGTGGGCC	50746149		
CACT <u>G</u> AGTGT	GCTGCCCTGG	CCTTTGTGCT	GCAGCACCTC	<u>CGG</u> <u>CG</u> CCCCG	50746199	<u>E778K</u>	<u>R790W</u> <u>R791W</u> <u>R791Q</u> <u>V793M</u>
TGGCCCTGCA	GCTGGACTAC	AACTCTGT <u>G</u>	GTGACATTGG	CGTGGAG <u>C</u> AG	50746249	<u>V802V</u>	<u>Q809K</u>
CTGCTGCCTT	GCCTTGGT <u>G</u> T	CTGCAAGGCT	CTGTAgtgag	tgtt <u>a</u> ctggg	50746299	<u>V816I</u>	<u>c.2462+10</u> <u>A&gt;C</u>
cattgctggt	caggatggt	ggagcaccat	caaggctaag	tgtgggagca	50746349		
ccgagctggg	ctctagaagt	ctgggccag	cttcgcctct	gccaccctgc	50746399		
tttgcaacac	tgcccagatc	ccttcocctc	tgggccttaa	tttcaatatg	50746449		
tgatgatgac	agccacactt	tattgactgg	cctatgtgct	gggtctggtg	50746499		
ctatgctttc	cggaatgacc	tcatctaate	tctacaacca	ccctggcggg	50746549		
taggcaggaa	tgttattatc	tccattatcc	ttgacttgag	gctcagagaa	50746599		
gtgaagtaac	ttgtccagga	aatggcagag	ctggggttca	caaattgcat	50746649		
cattctgatt	acaggttttc	tgccctccac	cagtctatgg	atacacttca	50746699		
gaggctccct	gaaaaccttg	aggtcacttg	cagaaagttt	tgtgtagtat	50746749		
gtgtccgtat	caggaacaac	accaaactag	aggtgacttg	tgccccatca	50746799		
gagactttaa	cacccaaccc	agatgggaat	ttcaggaccc	aagaaataga	50746849		
aagtggctgc	agggttataa	ctactgttgg	attcctgagg	tagcacagtg	50746899		
tccaaacagg	atttcagcac	taccogtatt	gcttagagcc	ccagccaaag	50746949		
atgtgagggt	ttgccctttg	gagaatctgt	gcccctgaac	tcgggggct	50746999		
ctttccacat	cttgggggca	ggcaagggca	gagggtgtgc	ctaggcctgc	50747049		
ggatcagcat	gcgacagatt	ccccaacatc	cttcagctt	gaaaggggat	50747099		
tgccctgctt	ctatttagaa	cctataggaa	agcagaagtt	ctagattgaa	50747149		
gttaaaattg	attcccagcc	tccaggggct	ttgggctaca	cctggatgac	50747199		
cttaattgac	cctaagcatg	ggacaaacca	cttcctgaga	gtattaggat	50747249		
ggtatacatc	ttctctgggg	gcaaagcaac	aagatttatt	tttcatcatg	50747299		
gaccaaacac	atggataccc	actagaaact	gtgtagtgaa	ttttgttaac	50747349		
cctgacatag	ggaccatggt	ctttaggtta	aagcataata	acaacataat	50747399		
acataacata	tatagcgaat	atatatatgt	attatatgca	atgaatgtaa	50747449		
atatgattat	accatcatg	gtcttgagg	aaacagatga	cacacttaaa	50747499		

atgggtgttt	tgaggagagt	ttgaaaaaca	gattgtttac	aagccatggg	50747549
caggagttag	gaagagtgag	agggttgggtg	caggggcctg	gggttagtaa	50747599
cagctggggg	agggtagact	tgaaggggga	aggggagggg	gactaattag	50747649
ctggggggaa	ggtatggaga	cggtgcctg	agcttctgca	aagtgggaaga	50747699
ataccgcttg	gccctaactc	ctcaccocaa	ctcttgctcc	tggccagcgc	50747749
cttccaccag	ctggacccat	cagggaggcc	gagtgggctg	tctgctggag	50747799
tagtccccag	gcatcagcct	cccaggagcc	agggacgggt	agagaagggg	50747849
gagagtggat	ctggccaggc	aaatggaaaa	cagccagcac	caaactctat	50747899
ttccctagga	gggaggatca	tgatactttg	agtgggaatt	tggaaacctg	50747949
tctgttggag	caatttccct	gatagaaata	agaatgtgca	ttttcctggg	50747999
tagtagactc	agtttttacc	ccaagaggcc	agggcatcact	ggcctgtgtg	50748049
atcctcatag	gccagtccat	ctctggaatt	cttgaatgga	tcatccatcc	50748099
ttgattaggg	atgtccccgt	gattaccagg	gtgtgcagaa	gggctctggg	50748149
aaacctgtgg	gtctgtctct	gtgttcagag	aaagggtgagg	gtggcctggg	50748199
tctagctcat	ggtgctcaga	ctgtgggtgtg	taaaggcact	cgtggcaatg	50748249
cagattcctg	ggcctgcctc	tagtgattcc	cattcagtag	gtttgggggtg	50748299
gggcccagga	aatctatatt	tttcacagac	accctgggtg	attctgatac	50748349
aagtggctctc	gccctgggag	aactactggt	ctgcagcaac	cagcttgggt	50748399
ttccattagc	aattactgtc	cttgagcgag	ttttactgct	cttcacctta	50748449
cacacactaa	aactgccaa	gccgtagggg	aggggaagca	accatgaggt	50748499
tgctgtgagt	gcaactgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	50748549
tgtgtatgag	agagagagag	agattgagaa	agagaggaag	ggaggaaggg	50748599
ggagggcaca	ggctcctctc	ccacagtgcc	aacctgcctc	tctcccactt	50748649
gaagtgtttc	catgccaaact	gaaatcctca	gcctctagga	aaccctatat	50748699
acacagtgcc	cctatatagg	tttctttaga	ctctggctct	ctcagactct	50748749
agagtgatgg	ctttaaaagt	tttttgaatg	ttaccacaaa	tgattgagaa	50748799
agagagagag	agagcacgca	ccaccatgta	aacatggaac	ctaagtttca	50748849
caaaatgact	tcgctttatg	aactctgaga	cactctgctc	tcttctgttc	50748899
tgttctattt	ccattttaga	aatgctgctc	aggaccttca	aaatgatttg	50748949
catgacctgc	aacctgcagt	ctgaaaaatc	actgcactac	agaagtggcc	50748999
ataagaggcc	ctgagggaga	agctgcacaa	tgtcatgggt	aagagtgggg	50749049
tttggagcca	agccgcctag	gctcaaagcc	tttatgtgcc	gtacaacctt	50749099
ggcaaagtca	cttcgcttgt	ctgtgcctca	gtttctttct	cacgaatgct	50749149
cataataatg	gttcccattt	cactggcttg	ttgtgaggat	gaaatagtgt	50749199
tattattgag	aagtggtaag	ggtagtgate	agtgctagcg	atcatgatcc	50749249
taggtgactt	ttactgtgta	ccgggtgctc	acaaggcttt	atgtgcacag	50749299
cctggtgagg	ctgataatac	tattgttccc	tctttttttt	tttttgagac	50749349
ggagtctcgt	tctgttgccc	aggcaggggg	tacagtggca	caatctcggc	50749399
tcatgcaagc	tctgcctccc	gggttcacgc	cattctcctg	cctcagcctc	50749449

ccaagtagct	gggactacag	gcgccctgcc	ccacgcccgg	ctaatttttt	50749499		
tgtatttttg	gtagcgacag	ggtttcactg	tgttaaccag	gatggctctg	50749549		
atctcctgac	ctcgtgatcc	gcccgcctcg	gcctcccaaa	gtgctgggat	50749599		
tacaggcgtg	agccaccgtg	cccggcctgt	tccctctttt	atagatgaag	50749649		
agaccagcaa	ataactagta	agtcgctgat	caggatcaca	atatccagct	50749699		
gaggcactcc	agagcctgag	ctgttaacca	ttcagtcagg	gcctcccaag	50749749		
tttgcctaaa	gataaagaat	catgtgcaca	gttgttaaaa	tatacagatt	50749799		
cctgggcccc	accccgcaga	tacttgattg	ccagctccag	ggtatgggcc	50749849		
tgagaatctg	tcttttaggg	aagctttcag	atgatgttgt	gatcagggtga	50749899		
gttttgggaa	tgggtgcccc	agaggagtgg	cagacagggc	ttgctcggca	50749949		
gggactagcc	tgttgaggag	gtgccattgg	ggttaaggac	tgggcagcag	50749999		
ggcctcacta	accacagcct	atatgcctgt	ttctgaagtt	ttggccactc	50750049		
tcatccagct	ggtctactgt	ctgctgacct	agatgatggg	aaattgtccc	50750099		
caggggtagc	ctgtctagtt	caggctgcac	ctttcgcata	tatcagctcc	50750149		
tttccaccat	catccccttt	gtgaggctgc	tgtgattatc	atgttccttt	50750199		
tgcagagatg	gaaacattgc	ctcaaattag	ctctgtcatt	tcctaaggat	50750249		
tccagggttc	tttagtaggg	ggtctggatc	ctacgtcctg	ggccatcccc	50750299		
atcatagtgc	accacgtcac	ctccctggcc	agggaccgtg	gggtctccac	50750349		
ttttttgggg	tgctccatct	atgcaggggt	tcctggaagc	acagatgctg	50750399		
gcacttcagg	gatgaatgaa	agtctttttg	ggggatttgt	agattttttt	50750449		
cttgtcttac	tagctccatt	ttcaaattgta	tttattttgt	ctcttttagTT	50750499		
<b>TGCGCGATAA</b>	<b>CAATATCTCA</b>	<b>GACCGAGGCA</b>	<b>TCTGCAAGCT</b>	<b>CATTGAATGT</b>	50750549	<a href="#">D824N</a> <a href="#">N825K</a> <a href="#">I836T</a>	
<b>GCTCTTCACT</b>	<b>GCGAGCAATT</b>	<b>GCAGAAGTTA</b>	<b>GCgt</b>	<b>aaagtca</b>	gcctgggctg	50750599	<a href="#">E843K</a> <a href="#">A849V</a> <a href="#">c.2546+2dup</a>
tggacaatgg	gctccaagtg	ccctgggtctc	accccaggtc	gtgcagcctg	50750649		
ggaagctgtg	agtgatgggc	tggggcaggg	gctgtttgca	tgatgggggg	50750699		
tgcaggtgat	tcctgcccag	aggggaaggg	caaccctggg	atgttggtgct	50750749		
cactgtccaa	tgtgctttgc	ttctgtgtct	cctctctctc	ggaactgaac	50750799	<a href="#">c.2547-11G&gt;T</a>	
ag <b>TCTATTCA</b>	<b>ACAA</b>	<b>CAAATT</b>	<b>GACTGACGGC</b>	<b>TGTGCACACT</b>	<b>CCATGGCTAA</b>	50750849	<a href="#">N852S</a> <a href="#">N853S</a> <a href="#">M863V</a>
<b>GCTCCTTGCA</b>	<b>TGCAGGCAGA</b>	<b>ACTTCTTGGC</b>	<b>ATTGAG</b>	<b>gtga</b>	gcccagggtt	50750899	<a href="#">F873F</a>
tccttattcc	ctggaaacta	ttttttgccc	cattcctgag	tcagtctgat	50750949	<a href="#">c.2630+35 T&gt;A</a>	
ctggctcttg	cctggcactg	cccacactgg	ctcctgacct	cctgattgaa	50750999		
tgcagggaca	gtgtctcatt	ttaagcaggg	gttctctaat	gctgtgatct	50751049		
ccccagtaaa	ctctggacta	gctctgctga	ggacttcctg	tcttttgacc	50751099		
tttagcccgt	agggcaagaa	agcttttcta	ggcccctttc	cttttctgtg	50751149		
tctaagagtg	tcacagcttt	ctgggtttac	tgagttccac	gatgcatggt	50751199		
gagctcgtcc	tgggtggggga	ggcatacaca	gttacttgcc	accccagctg	50751249		
tggcagcgag	ttgctgcaac	actcccagga	ggtcctttca	ccactcagag	50751299		
catgcaaggt	ttgcagtcca	tctggttctg	catttctgct	actccagtg	50751349		
ctcccagttt	caacaggagt	ctctctctct	cctacctgat	gcctttaaat	50751399		

tgccccctcta	gctggccgct	gggttggcct	ggcttctctc	tccttctctc	50751449
tctctcagat	attcttgcct	cctgtgattt	gtgaggcagt	aaaaaaagac	50751499
aaagtaaaga	attgcttcca	tctattcttt	tacctcttgg	gctggggttg	50751549
tggatgggag	ccgccattht	aaaatggcgg	gccacatagc	tcagtctcgg	50751599
caagggctac	tgagatcaga	accacaggtg	ccaatttgta	caaaggactc	50751649
agtctcgcta	ccactgcctg	atccctcaga	ctcacaagcc	tggaataggc	50751699
tgtggccaga	cctggctggc	ccatccctga	gaagggtgct	agtttcagaa	50751749
atggaggctg	agtttgtggc	caacacagta	gtcctccggg	atgtgcagga	50751799
gagatgttct	aagaccccag	tggatgcctg	aaacatgga	gagtatcaag	50751849
ccctacacat	accatgcttt	tcccaatacc	tacacacctg	caataaagtg	50751899
tagtttataa	attaggcaca	gtaagagagt	aatagcaact	cataataaaa	50751949
tagaacaatt	ataacaatca	atgtactata	ataacactat	gtgaatgtgg	50751999
actctctcca	tctccctcaa	aatatcttct	tgtactgtac	tcacccttct	50752049
tcttgggaag	atgtgtggg	gtaaaatgcc	tgtgtgatgg	gaggaagtga	50752099
ggtggatgac	gcatgcagca	ctgtgctcta	gcgctgggct	gctggtgacc	50752149
tgaccacact	tcaggaggag	aatcatctgc	tcccagagat	ccctaactct	50752199
tgagcaacaa	tgaggtcggc	agctggatgt	caggagcaga	cgatcttgat	50752249
gattaccaa	tgggagcgt	tagagcgtgg	atgcgctgga	cggggggctg	50752299
attcacgtcc	tgggtgggat	ggagctggat	ggcacgtgat	cagaatagca	50752349
tgcaatthaa	aatgtatgaa	ttgtttatct	ctagaattht	ccatthtaata	50752399
tttttgact	gcagttgatt	tcagataact	gaaacatag	aaggcgaagc	50752449
tgcggataag	cagggggcag	ggattaccgt	atatcattgt	aatagagagc	50752499
acaggctctg	gagccagact	gcccgagggt	tgaaccctca	ttagctgcgt	50752549
gacctcaggt	cagcccaatg	tctgtgtgcc	tccgtttccc	cttctgtaga	50752599
atggaggtaa	taaccctggc	tacctcacag	gctgtagtga	tgagcaagca	50752649
agttaatcca	catgaagggc	tgcaccgtct	ggcaggggct	ttatatagta	50752699
agcgagtggc	tgaaagatga	tgggtaaatc	acacaagcac	tcagcttggt	50752749
tctccttatg	tgagtccggg	cctccaagca	gggattcaat	gtgccaccca	50752799
tttattgggg	aaaagtccca	aaaggggaag	tggggaaggg	agctggggga	50752849
ggctgggagg	tgtgtccctg	agtgaaggag	agaggggaag	aaggaagggt	50752899
gagactgggc	accttgact	tcagtgcagt	cctaagacat	cttggcaagg	50752949
ctgatgagga	gttcttgaac	caaattcacc	aggcagggga	gcctgatgtc	50752999
tcaggcaggg	gctggcaagt	gcagatgcga	ggatgttaga	ttttggagca	50753049
cagcagctgg	ggcccttggc	tacctccaag	gagctgaggc	tggagacctg	50753099
aaaggcgagt	tctcctagct	gccacacccc	ttctccaagg	atacaataat	50753149
atctgcctta	taggattggt	gtgagctgag	tggcttgacg	ttccttgaaa	50753199
gaatgaaagc	gtatagttat	cccaggaagc	ctagggttgc	aggtgagagc	50753249
tctggggctt	ctccgaagct	ctccgagggtg	tctggattca	gttgacagcag	50753299
gagccttct	tgctgggatc	ttccccacc	cctagccttg	gccctcctc	50753349

tctccttccct	ttctggaagg	ctcagtgggc	cccacccctc	cctccagcca	50753399	
cctggacctg	cccagcgctc	ttgtgcaaca	ggtaaagcct	acctgtagca	50753449	
acaacagatc	tgggaaggct	gcagagggca	cgatggggtc	tggatcgagg	50753499	
gcggctgaga	ccagagggaa	aggtgtgacc	ctgagtcacc	ctcgctgtcc	50753549	
cggggaaacc	acctcccagg	acagctgcct	actgtggctc	ctgcctggaa	50753599	
ttgtcacact	gctgtgcaaa	cagcgtcccg	ctgccccctt	ccctttgctg	50753649	
ggggaaaatg	aagttgtggg	agccgctgag	taaactagac	ctagcagcga	50753699	
gggcacctga	tgtggctgct	gcctcccggg	caggtcttca	atgctttctt	50753749	
cctgtgtttc	cctggccagg	gcacagacgg	ccctcctttt	ctgcctgccg	50753799	
ctgtgtttctc	tcagcctcct	ctgtcttccc	<u>t</u> ccagGCTG	GGGAATAACT	50753849	<u>c.2631-5 T&gt;C</u>
<u>ACATCACTGC</u>	<u>CGCGGGAGCC</u>	<u>CAAGTGCTGG</u>	<u>CCGAGGGGCT</u>	<u>CCGAGGCAAC</u>	50753899	<u>A885T A885P A886T R896X</u>
<u>ACCTCCTTGC</u>	<u>AGTTCTCTGGG</u>	gtaggttggg	ttccaggaag	agggacctgc	50753949	<u>Q902K</u>
atggagggggc	ttgggacttt	tgaggattta	ggggcagggtg	aaactcttca	50753999	
gccaggaggc	cccagaggca	gccagctcc	agtggggagg	acaagccagg	50754049	
gagagagtgg	gcggcccttg	actgccacct	tcatacttgg	tctatgcctg	50754099	
acaacacagga	agtttgggat	gttggggcta	ggggaggaca	gtgcccacga	50754149	
gctggtgaca	ggaagccctc	tgatcctcag	ggggcgctag	ggctgtactt	50754199	
tagctgcata	ttaaaaccac	ctggaagctt	ctaaacacta	ttgccaggcc	50754249	
tcccacccca	gactgatgaa	atgcaaatat	ctaggtgcaa	ggcccaggta	50754299	
tcaggagttt	taaaaagctt	cccaggggat	gtacagccag	gggtgaggac	50754349	
ccctgaccta	agaaagagaa	ggaaatgggg	aaggatagga	aggcaccag	50754399	
gataagaggg	gctgtgctag	gtcccctcgg	gctcttgctc	cctgtaggac	50754449	
catgctaggg	cctgccaggg	aggggagtac	cccaacctgc	agccccaggg	50754499	
tgggcttcc	ctgtttgcta	ggcaccaggg	cttgcaacctg	tgctgtttcc	50754549	
agcagcctct	ctcctatcct	gtcatgccct	agtgtgaact	ggagtccatt	50754599	
tgacaagaac	tgggagtttt	agaacctggg	actgtaggaa	gagagaataa	50754649	
ccttagggcc	taggtgttcc	agcccatttc	acagggaggc	aagttgcccc	50754699	
caagctcagt	tttttgttt	gttttgttt	gtttgagatg	tagtctcact	50754749	
ctgttgccca	ggctagagtg	cagtggcacg	atcttggtc	actgcaacct	50754799	
ccgcctcctt	ggttcaagcg	attcacctgc	ctcagcttct	caagtagctg	50754849	
ggattatagg	caccaccac	cacgcccagc	taatttttgt	atttttagta	50754899	
gagacagggt	ttcaccatgt	tggcccggct	ggtcttgaa	tcctgatctc	50754949	
agatgatccg	cccgcctcgg	cctcccaaag	tgctgggatt	acaggtgtga	50754999	
gccaccgcac	ccggcccca	agctcagttt	gagccacaaa	tgggactatg	50755049	
ttgctctaga	aatcaacatc	ttttccacac	tgcattagta	gcaacagagt	50755099	
ctagaacaaa	ggaggccaca	gccccactga	actctcttct	gcttgaggtc	50755149	
acatctgcca	catcaggggt	atttacctct	ttcaacacat	atttattagg	50755199	
gcacctgtct	gggcccaggc	ttgtgctaaa	acccccaaac	gctgtcatat	50755249	
gatacaaagt	gttctgtaac	ttgcttgggt	tttttttttg	tttgtttggt	50755299	

tgTTTTgTtt	tgTTTTgtt	gttgtTTTT	tttgcttgc	catatattat	50755349	
aggaattttt	ttaggtcatt	atgacctctt	tatttactta	attatctatt	50755399	
tatttatttt	actaatattt	acagaaaggg	tctcactctg	tcaccagggc	50755449	
tggagtgcag	tggttgcaat	catagctcat	tgtagccttg	aactcctgag	50755499	
ctcaagtgat	cttctacct	cggcctcctg	agtagctggg	actacaggca	50755549	
caagccacca	tgctggccg	atatttttat	gtttttaga	gacggggtct	50755599	
cactatgttg	cccaggctgg	tctcaaactc	ctgggctcag	gtgatcctcc	50755649	
ctcctttgcc	tcccaaagta	ttgggattac	acaagtgagc	caccttgctc	50755699	
agcctgacct	catttttcaa	agagctgcag	agtgttacat	aatgtattta	50755749	
actggtcact	ttttgatgac	tattaagttg	ttttcaggtt	ttttgttatt	50755799	
acagtgtcat	atccctgggg	cacagagcag	tgctggcaca	tagccagagc	50755849	
tcaatcgata	cataccta	gaatgaaagt	acagtggaca	tcctaattca	50755899	
gccattcttt	gctaacttgt	gtacatacct	gtccagggta	ggcccttaga	50755949	
atacagtcaa	taagtcagaa	gggtgtgagtt	gggatctacc	ttttggaaag	50755999	
ggatgttttc	aaactacagt	gagtcagagg	aggatggccc	agaagctggg	50756049	
ggagttaga	ctgatggcgt	gaaggaatta	ggggtgtag	gaagaagcag	50756099	
gagataaaga	gctagcttgc	agaagaagtg	ttagacttgt	tatgggcagg	50756149	
tactggaggg	tagctaagga	cttgtgggtg	gcagttacca	ggaagcgtat	50756199	
ctgaactaag	tgtcagaaaa	agtgtcaca	ctgtaaatta	ctcttgtcag	50756249	
tgagttcctg	tccttaaggg	ttagggctgg	gtagccctct	actattctct	50756299	
aagtctgtaa	tgtaaagcca	ctgaaaactc	ttgggttaag	tttggccatc	50756349	
ccacccaaaa	gatggaggca	gggccacttt	gctgggacca	ggagccccag	50756399	
tgaggccact	ctgggattga	gtggctcctgc	ccctctggct	gggactgcag	50756449	
agggaggagg	actgttagtt	catgtctaga	acacatatca	ggtactcact	50756499	<a href="#">c.2715-81 G&gt;A</a> <a href="#">c.2715-75 G&gt;A</a>
gacactgtct	gttgactctt	ttggcctttt	cag <b>ATTCTGG</b>	<b>GGCAACAGAG</b>	50756549	<a href="#">W907R</a> <a href="#">G908R/SNP12</a> <a href="#">G908C</a>
<b>TGGGTGACGA</b>	<b>GGGGCCCCAG</b>	<b>GCCCTGGCTG</b>	<b>AAGCCTTGGG</b>	<b>TGATCACCAG</b>	50756599	<a href="#">D913D</a> <a href="#">E914K</a> <a href="#">A918D</a> <a href="#">G924D</a>
<b>AGCTTGAGGT</b>	<b>GGCTCAG</b>	gta	agcttcagag	tctatcctgc	agttttcttg	50756649
gggagatcag	gtgaagaggg	aggagctggg	gccagttctg	aaggctcttg	50756699	
aactttattt	ctacccaca	atgttaggca	atggagtaag	gaaaaagac	50756749	
cattggattt	caagagagga	cactcgagtc	tttctgggtg	acttggaat	50756799	<a href="#">JWI</a>
gtcccttgtc	ctctcaggg	tttgatacag	tatctgtaa	ttgaagatat	50756849	
tgggctggat	caggtacatt	ttatcttaag	gaccaattcc	aatccattgg	50756899	
tagtgggtgc	ccagtgcacc	acattaaaa	gaattctaag	gctgcacctg	50756949	
ggcttaaaga	agagcactat	aatcaattag	tgatgtctaa	aaaagctaaa	50756999	
aaaaaaaaaa	aaagagcact	gcattcaatt	agtgatgtct	aaaaagggta	50757049	
gaaaaaaaaa	aaaaagaaa	aaagaaagag	caccgcaatc	aattagtgat	50757099	
gtctgaaatg	gagcagacca	ggagagcacc	acgaattttg	ccctccatag	50757149	
gttagctcat	ctctgaggtc	ttccctgct	ctgacatact	tttgttccat	50757199	
gattacctcc	ag <b>CCTGGTGG</b>	<b>GGAACAACAT</b>	<b>TGGCAGTGTG</b>	<b>GGTGCCCAAG</b>	50757249	<a href="#">I939V</a> <a href="#">I939I</a>

CCTTGGCACT GATGCTGGCA AAGAACGTCA TGCTAGAAGA ACTCTGgtga 50757299 [V955I](#)  
gtttggggga ttctctgctc tggggaagtg gatcacaatc tctgttgatc 50757349  
ccctggcctc atccatagga gcggttgtgt ggacagacaa aggtggatga 50757399  
ttgagtgatt gactgattga ttgattgtgt ttgtctttat atgtactgag 50757449  
tggatgaag cttatagagc ctggtatgta catgctaatt tttttattta 50757499  
ataaaatata tgggtttgct ggtttggtga ctgcctccac atggcataag 50757549  
tgtaagagc acagactctg taatcaagca ggccgtgatc ttaggcaagt 50757599  
taaataacaa tttcagaatc tcaagtttca tgtctgtaaa atgagggtaa 50757649  
gaatacttcc aaccataaag gatttttgca agaattagat aaagtagtgc 50757699  
ctgtgaagac cttaatatag tgcctggcat atttgtaagt gctccataaa 50757749  
tgtaaaatta gaataatggc agggttacta ctactattac tgctgctgct 50757799  
gctgctgctg ctgctacaac tactatagta ctgtgactac tactactaat 50757849  
aaagttttgt tattttaaag tgattttgag ttcttaggag cactgggtat 50757899  
tcaagtctta ggtcattttg gaagggtgaa tggagttttg atagttgaaa 50757949  
gaggaacct gaatcatgct tatactgttg acctgaagca gattctaagt 50757999  
ttctcatcct ttagatgcca ctagtatagt tttctgacat gttctgggca 50758049  
gcttcagatt atgtcaggga gataaaatac tgaatgtttg attttcccg 50758099  
gaagcagaaa ggcactgcaa catatgggca ttgccataaa cagattttat 50758149  
ggatggacct tggctgttgc agggcttact agctctactc aagtatgatt 50758199  
gattctatcc tgactggatt ttgccacttg gaatttctta gtagaggaga 50758249  
acctgtttat gagagcatca gttatgatta ctgttaaaag aaaaacttta 50758299  
ggcaaattaa atttagcaga actggtttga acatacagca atttatgaat 50758349  
tgggcagcat tcagaactgg gagtgctcca cccagcaagg taggcaagca 50758399  
gtatctatag acaggaaaag gaagtgatgt acaaaacagc ttgattggtt 50758449  
gcagctgggc atttgcctta tatgggcatg gtgtgatgag gcattttctt 50758499  
tatatggata tagactgatc agctggtaga ctgtgactga ctgaagcctg 50758549  
gctgctgtga ttggctaaga cttagctggt tgttataagg atatgttggt 50758599  
aggttgcagt ttgctacata ggaactcaaa gtacagaggc agtctcaggc 50758649  
caaatttagt ttaactatat gttaagctgc aggtgacaga atacctccat 50758699  
ctatagagggt ttaaacaagg aaagggttta tttttctctg tataggcagc 50758749  
tggatgtagg cagtgtaggg tttgtacagt ggctacaaga ggccaggagg 50758799  
ggtctcagct ctgtctcatt ctcttctgt tccatcattc ttagcctgtg 50758849  
acttcattca catggttggt tgtctcatga tcacaggatg gctgctccag 50758899  
gtgcagcact acttctgtat tcccggattc gatctatata cccaggaaag 50758949  
ccatctgggt tctctccttt aaaaagcatt cctggaagcc ccacctgtcg 50758999  
acttcccctt atgtatcaac catgtgtatg tcacttgacc aaccacttg 50759049  
tatgttgttt gaccagcctt ggctgcaatg gagagtggga aatacagttt 50759099  
tttcaccaag tgcatggctg tccaaatgaa atgagacttc cattaataag 50759149  
gaagaaagga aagatggaga tcaggaagct gggggatcag ggaacttatt 50759199

acattgagag	cccttggagt	gaattctctt	gcaaatatgt	ccctggaatt	50759249	
gagaatcccc	acaacgtact	ttatctgttc	tttctttatc	catgagtttg	50759299	
ggttttcaga	tgttggattt	cctatatggg	gggcatgtga	gttcatcatc	50759349	
ttccataatc	aatgttgat	caactggatt	ttctctcttc	ttctcaccag	50759399 <a href="#">2883-2A&gt;G</a>	
<a href="#">CCTGGAGGAG</a>	<a href="#">AACCATCTCC</a>	<a href="#">AGGATGAAGG</a>	<a href="#">TGTATGTTCT</a>	<a href="#">CTCGCAGAAG</a>	50759449 <a href="#">E970G</a> <a href="#">V972I</a> <a href="#">L975L</a> <a href="#">G978E</a>	
<a href="#">GACTGAAGAA</a>	<a href="#">AAATTCAAGT</a>	<a href="#">TTGAAAATCC</a>	<a href="#">TGAA</a>	gtaagg	aacccataag	50759499
caggaaacag	gacaataatt	gctggccttt	ggaaggggca	tttctgaata	50759549	
agatctgggc	cgctctccgc	tgggctaact	catgtgaggt	ggcctggtag	50759599	
aacagcttgc	cttgggtctag	gtggacaagg	attccagtgc	aagttgttta	50759649	
tctgggaggt	ggtcccagta	aatgctgata	ggagagtggg	gaagtgagat	50759699	
ggggaagtga	aggtaaccaa	taaaggggag	ttatcaagcc	agttatcaat	50759749	
gagggaaatt	ggagctcagt	actctggggc	actcctggag	ccagtgcaga	50759799	
acacacatgg	tcacctacc	aaccaatggg	caagaaagcc	atggcattta	50759849	
tccaccaacc	ctctgtcctt	cctatgttga	tgtgcgctca	tggggcactg	50759899	
attctccagc	acttccagct	caccctcacc	cagctgaaca	tgcttctggg	50759949	
gtcaggagaa	tggcctcagg	cagagagtgg	aaggtcttct	ctgcaagcag	50759999	
tggctgggga	ggtgatgtga	tggggagtac	tgtggcctcc	tccagtggct	50760049	
gactcagtgg	cttgggactt	gtgccacaaa	gagatggaca	gctcaggtga	50760099	
acatgaaccc	acctagtgac	catcatgggt	ttgtcagggg	gctctctgag	50760149	
gctgatgcca	aaattcttat	ttcaagtaga	cctcaggaac	cccatcagat	50760199	
ggctcctttt	gctggaggaa	agtggcatct	gcctaggcaa	atgtggctct	50760249	
aggaaaacgc	ttgccttttag	agacagacag	acagacagct	gcctctgtga	50760299	
gtgccagctt	tgctgccagg	ctgctaccca	ctctggcgac	actcatttgt	50760349	
gttgctttca	caagctagga	agtttccaaa	tatttggaga	aaacacttcc	50760399	
actaattatt	tgggtggaaa	tgggctggga	agttgggggtg	aagcccggat	50760449	
gtgtctgagc	cagatgccag	ctttgcactg	agggtcggcc	tttgggaata	50760499	
ccaagcccat	tatcaaccag	gtgtggatat	ggcaggtttg	tcttccctcc	50760549	
ttgtcacagc	cttactccac	ttgactccca	tggatgccag	gcaatgaggc	50760599	
tggggttggg	cccatgccac	cctgtcatca	gccttatttt	tcagcatcct	50760649	
aaactatata	atccccaca	aaaattgaac	ttctgatata	tcttttataa	50760699	
aaaagagaaa	tgcttacatc	tttcttttcc	aggcttagtt	tctgccaaga	50760749	
gttggttgag	agcccaggct	tgctgggtgc	agtggctcac	acctgtaatc	50760799	
ccagcacttt	gggaggctga	ggcgggtgga	tcacctgaag	tggggagttc	50760849	
cataaccagcc	tgaccaacat	ggagaaaccc	catctctact	aaaaatacaa	50760899	
aattagccgg	gcgtggtggc	atacacctgt	aatcccatct	actcaggaag	50760949	
ctgaggcagg	agaatcactt	gaacctggga	ggtggaggtt	gccatgagcc	50760999	
aagatcacac	cattgcaccc	tagactggac	aagagagaaa	cttccatctc	50761049	
aaaaaaaaaa	aaaaaaagga	tgagaaaaat	aataatttaa	aaaaaagagt	50761099	
ccaggctctg	gaaccagaca	gcctgggtct	taccctgct	ccaccattac	50761149	



cagccagttc	ttcttggatg	agtgcctcag	ttgcctcaag	tgtaaatagga	50761199
gataatggct	ggaccttcat	tataggccat	gagcattcac	tgagagaatg	50761249
tagctaaca	aagtggattg	taggttggag	caaaagtaat	tgtggtttca	50761299
gaccatgaac	tttaattat	tataactagg	ctaaaataca	tctttattaa	50761349
tcaaaatagg	aaccattaaa	atcaacacat	ttttgccaat	aagaaataag	50761399
tttgtttatt	cctgtagcat	aaaaattcat	gcttcgggat	tcaacaaact	50761449
cttggaaagc	atcttctgca	tcctcctggt	tgtggaagca	tttttcctgc	50761499
agaaagttgt	caagattcct	gaagaaatgg	tagtcagttg	gctagaggtc	50761549
aggtaaatat	ggcggatgag	gcaaaaacttc	atagtccaat	tcattcaact	50761599
tttgaagctt	tggttgtgtg	acatgcagtc	gggtgttgtc	gtggagaatt	50761649
ggaccctttc	tgttgacgaa	tgccggctgc	agggtttgca	gttttcagtg	50761699
catctcattg	acttgccgag	catacttctc	atatgtaatg	gtttcgcagg	50761749
gattcagaaa	gctgtagggg	atcagactag	cagcagacca	ccagtgacca	50761799
tgaccttttt	tttttgggtc	gaatttgcc	ttgggaagtg	ctttggagct	50761849
tcttctcggg	ccaaccactg	agctagtcat	tgccagttgt	ataaaatcca	50761899
cttttcatcg	cacgtcacia	tcagatcaag	aaatggttcg	ctgttgttgt	50761949
gtagaataag	agaagatgac	acttcaaaat	gacgattttc	ttggttttca	50761999
ctcagctcat	gaggcacaca	cttatcgagg	tttttcacct	ttccaatttg	50762049
cttcaaatgc	tgaatgacca	tggaaatggc	gatgttgagt	tctcaagtag	50762099
ttgtaagaaa	atcagctttg	atgattgctc	tcaattggtc	attgtcagct	50762149
tctgatggcc	tgccagtaca	ctcctcatct	tcaaggctct	tatctccttc	50762199
gcaaaaacttc	ttgaaccacc	actgcactat	acgttagtta	gcagttcctg	50762249
ggccaaatgc	attgctgatg	ttgtgagttg	tctccgctgc	tttacaaccc	50762299
atthttgaatt	caaataagaa	aattgcttga	atthttgctttt	tgtctaacat	50762349
cattttcata	gtctaaaata	aatataaaat	aaacagaaaag	tattaagtca	50762399
ttagcaaaaa	atcataaagt	gagaattgtg	cattaaaatg	atgtatagca	50762449
taaccacatt	tatttaagaa	tgtattccaa	tatcaaatgg	caaatttcaa	50762499
caatgcaaaa	actgcaatta	cttttgcacc	aatctaatag	aagttcaata	50762549
aaactaggca	attacaattg	gcattgcctt	agggtcaact	tgtaagacat	50762599
tcctgaaatt	gtgggaaagg	gggaggacct	ggagtggaca	ttattggaag	50762649
gcaaaagctgt	aaccaaaga	gcaacctggg	aaacacatga	ctcctctggt	50762699
gctgtccctg	gccctatcct	gtctcccctc	cctgttgtca	gctacctcat	50762749
atgttctcta	atctctgtct	ctgtgccctc	aaagaccccc	ctgaaaatag	50762799
aaatattact	gctcattggg	tattttctat	caattaagta	ctgtattagt	50762849
ccgttttcat	gctgatgata	aagatatacc	caagactggg	cactttatga	50762899
aagaaagagt	tttattgaac	ttacagttcc	acgtggctgg	ggaggctca	50762949
caatcatggc	tgaaggtgaa	aggcacatct	cacatggcag	cagacaggag	50762999
aagagggctt	gttcagggaa	actccccttt	ttaaaacat	cagatatcat	50763049
gaaacttatt	tactgtaatg	agaacaggat	gggattcaat	taccttccac	50763099

tgggtcgctc	ccacaacacg	tgggaattca	agagatttgg	gtggggacac	50763149
agccaaacca	tatcaagtac	tgtgcaagtg	ttttaggcat	gcagagagtg	50763199
gtgggtcttc	ccagcaagca	gagtgtgggg	aggtaatggg	ggactggtgg	50763249
ctgacttaat	ggcccaggac	ccatgccaca	aggagatgga	tgggtggatgt	50763299
gaataggagc	ctgcttacac	ccatcacaat	ttagattctt	atgctcgatg	50763349
gcacgggtac	tcttttaggc	ccattttacc	aatgaggaga	ttgggactaa	50763399
tttgctcgag	atcaaaaaag	aagtgggtgta	ggtgggattt	aaaccagga	50763449
tgtctagcac	taaaatgcag	gtacttaacc	actatcctaa	gggagtggct	50763499
acttaatttg	ataaactcat	ctagtgaatg	gaagagagac	ggttacattt	50763549
cactgatggg	actgagcctt	tgttgatgag	ctcattggga	atctcagaca	50763599
tgagcaggat	gtgtctaagg	gacaggtggg	cttcagtaga	ctggctaact	50763649
cctgcagtct	ctttaactgg	acagtttcaa	gaggaaaacc	aagaatcctt	50763699
gaagctcacc	attgtatctt	cttttccagG	<a href="#">TTGTCCAATA</a>	<a href="#">ACTGCATCAC</a>	50763749
<a href="#">CTACCTAGGG</a>	<a href="#">G_CAGAAGCCC</a>	<a href="#">TCCTGCAGGC</a>	<a href="#">C_CTTGAAAGG</a>	<a href="#">AATGACACCA</a>	50763799 <a href="#">c.2998G&gt;A</a> <a href="#">1007FS/SNP13</a>
<a href="#">TCCTGGAAGT</a>	<a href="#">CTG</a> gtaaggc	ccctgggcag	gcctgtttta	gctctccgaa	50763849
cctcagtttt	tctatctgta	aaatgggggtg	acgggagaga	ggaatggcag	50763899
aattttgagg	atcccttctg	attctgacat	tcagtgagaa	tgattctgca	50763949
tgtgaaggat	ctgattctct	gtctaagaaa	gaagtcttta	cctctttaag	50763999
tagggagcaa	tgatttcatt	tttaaacctt	gactatttat	tcagcaactt	50764049
ctctgctcta	tgagatagtg	taggaatggg	gatgtggttg	aagaatgaaa	50764099
agaaaagtca	gctcccgcc	tctagaaat	tgcactctgcc	ttcacaggtc	50764149
aaggatattg	gatcagacct	tctgcggttc	tgaatggaga	ttacacaggt	50764199
taggagcagg	ttgcacagtg	tttccaattc	tctataatta	aagccataga	50764249
ctttcatgta	ttgaaaaaag	caagaattgc	attcttgaca	gattctttca	50764299
ttgccttaaa	aagaatgact	agccttggga	gtctgggcag	ctgggtccag	50764349
tgttgtagac	tttctctctg	ctgagccaca	gcttcaaaga	tttgtccttc	50764399
ttgtttccag	ggatctatth	ctcagacaat	aagtaaaggc	tttccctggc	50764449
ctaatgtgct	gtaagtgaat	gctactatat	atgttccagg	cactgggcta	50764499
gagactaata	tttaaaagcc	aggaaatttc	ctatagaaaa	tctatatctc	50764549
agggttttct	caaaagagct	gggaactctg	gatgccatt	catgattcca	50764599
gtagttaacc	agagtacaag	aagggctgag	tcttctcaga	tgggcaaacc	50764649
cactctggct	gactgcagat	ccaccaagcc	tattgtotta	gaccaggacc	50764699
ctttggcaac	tcattcccat	aagcctgtga	cccttgcttt	aaatatgcag	50764749
gccttgtctt	ctctcaaaaa	gcacatcaag	gctgcagcga	atgcagatat	50764799
caaatgatga	agttaaaaaac	aaaagctttg	ctgggcgtgg	cagctcacac	50764849
ctgtaatcct	agcactttgg	gaggctgagg	caggaggatc	actttaggcc	50764899
agaggttcaa	caccagacct	tgtctctcaa	aaaataaaaa	attcagctgg	50764949
gtgcgggtgta	gttccctagcc	acttgggagg	ctgggatgga	aggatccctt	50764999
gaaccagga	gttcaaggct	gcagtgggcc	atgattgcat	cactgcacag	50765049

gcgacagaat	tagatcccat	ctcttaaaaa	aataaaaaat	ttaaaagtga	50765099	
cttcaaaaat	ctatgctgtg	atggagagat	ttttccttct	gtatgattgt	50765149	
gatagctctg	tggcctatga	cgtcatcagg	ttctgggcaa	agtgtaggtt	50765199	
ttctgtttct	ttgtttttga	aaccattgca	cagtcctaag	aaacatcaca	50765249	
ttctgggtcc	tgggcaccag	ccaacatgag	gttgatattt	taaggggtct	50765299	
gatgttattt	gctgcctggt	gatggaactt	gggagggcac	cagggtttgc	50765349	
tcattgcatt	cttgacagat	tctcttattg	ccttaaaaag	aatcactggc	50765399	
cttggggagt	ctgtggctgg	ctgggtgcag	tgttgtggac	tctctctgca	50765449	
gagtcatgga	gccttgttca	gaatgcttcc	tgagctgccc	tggttggcca	50765499	
agggtaaaaa	cagccctgac	ttccctgcaa	gaaacactgc	agctgggcca	50765549	
gagagt_cagc	ccatcccagg	catgggttta	aaaagtggag	gcttttgttt	50765599	<a href="#">c.3051-102 C&gt;G</a>
gaaagccctg	ctctaatttt	gtcctcactc	aaacctctgt	tcacttgatc	50765649	
tgcttttagGC	<a href="#">TC_CGAGGGAA</a>	<a href="#">CACTTTCTCT</a>	<a href="#">CTAGAGGAGG</a>	<a href="#">TTGACAAGCT</a>	50765699	<a href="#">R1019X</a> <a href="#">R1019G</a> <a href="#">R1019L</a>
<a href="#">CGGCTGCAGG</a>	<a href="#">GACACCAGAC</a>	<a href="#">TCTTGCTTTG</a>	<a href="#">AAGTCTCCGG</a>	<a href="#">GAGGATGTTC</a>	50765749	<a href="#">c.*9G&gt;A</a>
GTCTCAGTTT	GTTTGTGAGC	AGGCTGTGAG	TTTGGGCCCC	AGAGGCTGGG	50765799	
TGACATGTGT	TGGCAGCCTC	TTCAAATGA	GCCCTGTCCT	GCCTAAGGCT	50765849	
GAACTTGTTT	TCTGGGAACA	CCATAGGTCA	CCTTTATTCT	GGCAGAGGAG	50765899	
GGAGCATCAG	TGCCCTCCAG	GATAGACTTT	TCCCAAGCCT	ACTTTTGCCA	50765949	
TTGACTTCTT	CCCAAGATTC	AATCCCAGGA	TGTACAAGGA	CAGCCCCTCC	50765999	
TCCATAGTAT	GGGACTGGCC	TCTGCTGATC	CTCCCAGGCT	TCCGTGTGGG	50766049	
TCAGTGGGGC	CCATGGATGT	GCTTGTTAAC	TGAGTGCCTT	TTGGTGGAGA	50766099	
GGCCC_GCCT	CTCACAAAAG	ACCCCTTACC	ACTGCTCTGA	TGAAGAGGAG	50766149	<a href="#">c.3498G&gt;A</a>
TACACAGAAC	ACATAATTCA	GGAAGCAGCT	TTCCCCATGT	CTCGACTCAT	50766199	
CCATCCAGGC	CATTCCCCGT	CTCTGGTTCC	TCCCCTCCTC	CTGGACTCCT	50766249	
GCACACGCTC	CTTCCTCTGA	GGCTGAAATT	CAGAATATTA	GTGACCTCAG	50766299	
CTTTGATATT	TCACTTACAG	CACCCCCAAC	CCTGGCACCC	AGGGTGGGAA	50766349	
GGGCTACACC	TTAGCCTGCC	CTCCTTTCCG	GTGTTTAAGA	CATTTTTGGA	50766399	
AGGGGACACG	TGACAGCCGT	TTGTTCCCCA	AGACATTCTA	GGTTTGCAAG	50766449	
AAAAATATGA	CCACACTCCA	GCTGGGATCA	CATGTGGACT	TTTATTTCCA	50766499	
GTGAAATCAG	TTACTCTTCA	GTAAAGCCTT	TGGAAACAGC	TCGACTTTAA	50766549	
AAAGCTCCAA	ATGCAGCTTT	AAAAAATTAA	TCTGGGCCAG	AATTTCAAAC	50766599	
GGC_CTACTA	GGCTTCTGGT	TGATGCCTGT	GAAGTGAAGT	CTGACAACAG	50766649	<a href="#">*873C&gt;T</a>
ACTTCTGAAA	TAGACCCACA	AGAGGCAGTT	CCATTTTATT	TGTGCCAGAA	50766699	
TGCTTTAGGA	TG_TACAGTTA	TGGATTGAAA	GTTTACAGGA	AAAAAAATTA	50766749	<a href="#">c.3505C&gt;T</a>
GGCCGTTCTT	<a href="#">TCAAAGCAAA</a>	TGTCTTCTTG	GATTATTCAA	AATGATGTAT	50766799	<a href="#">*1030T&gt;C</a>
GTTGAAGCCT	TTGTAAATTG	TCAGATGCTG	TGCAAATGTT	ATTATTTTAA	50766849	
ACATTATGAT	GTGTGAAAAC	TGGTTAATAT	TTATAGGTCA	CTTTGTTTTA	50766899	
CTGTCTTAAAG	TTTATACTCT	TATAGACAAC	<a href="#">A</a> TGGCCGTGA	ACTTTTATGCT	50766949	<a href="#">c.4323A&gt;G</a>
GTAATAATC	AGAGGGGAAT	AAACTGTTGA	GTCAAAAACag	ccatcttct	50766999	

tgtgacaaa catttaaaaa tattctggct gggcacagtg gctcacgcct 50767049  
gtaatccag cactttggga ggccgaggtg ggcagatcac ctgaggttgg 50767099  
gggtttgaga ccaacctgac caacatggag aaacctgtc tctactaaaa 50767149  
atagtggagg ttgcagtgag ccaagatcac accgttgtcc tccagcctgg 50767199  
gcaacaagag tggaaactoca tctcaaataa ataaagaaaa taaaaataa 50767249  
aaatattact aaaacttgtc aaattttaaa gcacaatttt ctacttgaag 50767299  
cggaggaaaa tgatgttttc aaccogataa tgtatagctt aaggcaaaag 50767349  
caattcttag aaaatagcca ggcaatcaaa acacttttgg cttcagttta 50767399  
gaaaagttta accccgtgaa gttttcagct gtgcaggagc ctccccgtac 50767449  
ccagcctaaa aggctgcaac acatgtgaaa aggccccttg gccccctcg 50767499  
attccctcaa agtggctcca ggagtcttta acagaaggat ggagaaggtt 50767549  
tacttatggc tggctctcca cagcgagcag cctctcatgc aggccttgtg 50767599  
ttaaaatagt gcttagctgc gtttaataag caagggatca ggtggtcacc 50767649  
cagcaaggta aaatcctact tccttgaaaag gttttgcgtc tggctgactc 50767699  
ggtgggtgtg catctccctg gaccctgcat gggagtgtgt ctatggggtt 50767749  
tctttgtgat tggtgccctg ttctgcccag accattgttt ctgatacagc 50767799  
agatcaggag gaaggtggtg ttgagtctcc tttcgctgag gagtacacac 50767849  
agcagcccat ttgcatagca ctgtattggg ttgtcagttt gtcactttta 50767899  
aattcattca gcaatgaggc caggcatggt ggctcatgcc tgtaatctca 50767949  
gcactttggg aggctgaggc agctggatca cttgaggtc

**Infervers - NOD2 (NC\_000016.9, GRCh37) - gDNA - 2019-06-20**