

Infevers - NLRC4 (NC\_000002.12, GRCh37) - gDNA - 2023-02-09

gttcccaggg	attaggattt	gggatatttg	ggtagccact	attcagccta	32491763
ctacaacocat	atctctacat	tttccctttt	tattctatat	tacatcattt	32491713
attagtacaa	aagtaatagg	tgtttgctat	gaagaattag	aatatacagg	32491663
ttgggcatgg	tggctcccgc	ctgtaatccc	attacttttag	gaggacaaca	32491613
caggtggatc	actggagacc	aagagctcaa	gaccagcttg	gccaacatag	32491563
caaaacccctg	tctctactaa	aaatacaaaa	aattagccat	ggtggtggcc	32491513
cacacctgaa	atcccagcta	cttgagaggc	tgaggcacaa	gaattgcttg	32491463
agcctgggag	gcagaggttg	cagtgagcca	agattgagcc	actgcactcc	32491413
actccagcct	gggcaacaga	acgagactct	gtctcaaata	aataaataaa	32491363
taaataaata	aacaaataaa	ataaaaaata	aataagttga	taaataaaat	32491313
tagaatatac	agataagcca	aagacagaaa	tttaaaattg	cttataattg	32491263
tattccccag	caataagcat	cattaactatt	ttggtggctg	tctttgcagt	32491213
tttttctctt	gaacatatgt	ttatatatag	gtttcattac	aatttaaaaa	32491163
tctagctgat	agtgtagccc	tcaatctcac	ttcagagaaa	cccacctcac	32491113
aagttgggaa	acactgacac	tgatgcccc	ttagaaaacc	caggatgtag	32491063
acatttattt	gocgggaaac	tttggtatcc	ctctatggca	gataggctac	32491013
tgtcagaatg	ctctttttga	aataagaagt	tatgtaacac	aaagacatgt	32490963
tcttggtagt	ttatgcaaag	acagaggaaa	gagtatgcaa	gaatgtcatc	32490913
ctcaagggaa	gtgcagagag	atctcttcag	tcctcagctg	agtataagct	32490863
ggcctcctgg	agtctgtgaa	cacaaacgtc	caatgtgagt	gtgcctgtgc	32490813
<b>AAGCCCCTGG</b>	<b>CTGTTTATAC</b>	<b>TCCGGAGGGT</b>	<b>GTCCCCGTGC</b>	<b>GTCATCGGTG</b>	32490763
<b>GAGTGGACCA</b>	<b>AAACTGGTGA</b>	<b>TCTGTTTGCC</b>	<b>CTGTGTGACC</b>	<b>TTGCCAGAA</b>	32490713
<b>CCCTGCTGAC</b>	<b>TGAGAGAACA</b>	<b>CATCTGCTGG</b>	<b>AAGTCCTCTG</b>	<b>GGATTCAAGG</b>	32490663
<b>TACAGGG</b> gta	agcatgacct	tgaatgcagt	agcaatgtgc	tttagccaac	32490613
taagctggct	catttcattt	accgctctat	ctcccatggt	taagcattaa	32490563
aaatacatgt	tgtggctggg	catggtggct	cacgcctgta	atcccagcac	32490513
tttgggaggc	tgaggctggc	agattgcctg	aggtcaggag	ttcgagacca	32490463
gcctggccaa	catggtgaaa	ttctgtctct	actaaaaata	caaaaattag	32490413
ccgggcatgg	tgggtgcacgc	ctgtagtctt	agctactggg	aggactgagg	32490363
cgggaggaac	gcttgaaccc	gggaggcaga	ggttgcagtg	agctgagatt	32490313
gtgccactgc	cctccagctt	gggtgacaga	acaagactct	gtctcaaaaa	32490263
aaagaaaaaa	gaaagaaaaa	gaaaaaaaat	atatgttgga	tgttcagaag	32490213
actttgtttc	atthtaaggt	atagaataag	taactcaaca	gcaatgaatt	32490163
catatgttgt	gaacaaacag	gaaacaaatg	agtaattcct	ttcttgacgg	32490113
aattttctagc	tcttgcatct	tttactctga	agttctactt	cttccccggc	32490063
tactcctgcc	tacaccatc	ttccctttct	gaactggtag	tacttgtgtc	32490013
caaaccactc	ttactgtgct	ttgaaaaaaa	aaaaaggaac	tgctcagcag	32489963

ttcccctctc	tgtacactgt	cctctcacag	aacaagaagg	tatctggtct	32489913
acaagaactc	gaggcctcac	tgaaacggaa	agcaaataca	aagaaacttt	32489863
attttaaaaa	catgtcttgg	tctcccaaga	agagggcaat	tggattgctc	32489813
agccagggtac	tgtgggtaga	gagaatggga	tttttaaggt	ctggggccca	32489763
aatattaana	tctgggttta	cattcattta	aagcttgtgt	ctgggatgta	32489713
caaaagcctt	aacattgacg	agtgtgattt	gcatgcctgg	ctggatttgc	32489663
ctgccgagaa	acctttaggg	gtggttaatc	gggtctgctg	gggcttcatc	32489613
aggttcaagg	ggtacatgta	ccccttggac	tactgtgaga	tggaaaggac	32489563
tttggaaaca	ctttttggca	ttacagaaag	gaaactcact	cttttttttt	32489513
tttttttttt	gagacagagt	cttgcctctgt	caccaggct	ggactgcagt	32489463
ggcgtgatct	cggctcactg	caacctctgc	ctcctgggtt	caagcaattc	32489413
tctgcctca	gcctcccaag	tagctgggat	tacaggcacc	cggcaccgcg	32489363
cccagctaa	tttttgtatt	tttagtagag	acagggtttc	accatgttgg	32489313
ccagactggt	ctcaactcct	gacctcgtga	tctgcccacc	tcagcctccc	32489263
aaagtgcctg	gattacaggt	gtgagccaac	gtgcccgcc	aggaaactca	32489213
ctcttgttgc	taagactggt	gttagaatca	cagatgatca	aagctgaaag	32489163
gaacgaggtg	gactacttag	tccatccaat	ctcccaagtt	actgatgaga	32489113
aacctgatat	ttggagacag	aagtgaagga	aatcaccctt	tacgggacac	32489063
ctatctcgtg	ataggtctt	tatgtacatt	atctcagtag	atccttgcag	32489013
cctggctttg	agaggtggaa	aatgtggtag	agaggagtta	aatgtcctgc	32488963
cctacatcac	actgctaatt	gtctacaaaa	ctaggataga	acctggtcag	32488913
cacacttctt	aactgttcac	acacttttat	aatattagtc	gtattaatgt	32488863
gtttaaaata	ccatagactg	ggtggcttaa	acaacagaaa	tttatattcc	32488813
cacagttctg	gaggctgcaa	gtccaagacc	aaggtgtcag	cagggttggc	32488763
ttctccccac	gcctccctcc	ttggcctttt	ctctctgtat	gcacattcct	32488713
ggtatctccc	tttgtgtgtc	ccgatttctt	cttctcataa	cagcctcatt	32488663
tgagcttaat	gacctcttta	aaggctctgt	ctgcaaatac	agtcacattc	32488613
tgaggttcag	ggcttcaaca	tatggatttg	ggggaagccc	agttcagcac	32488563
ataaactaa	tattaacatg	tgagattgct	gaagcctatt	aaagacctaa	32488513
gaacattcta	gtctagagcc	tttttactag	aaaggaagac	agataatacc	32488463
cactgaccat	ctttgtcaca	actactttca	tgtttaatct	tcacaatagt	32488413
ccagggagggt	gaatattatg	catgatttgg	aaagcaagat	tcggaaaggc	32488363
taagtaacat	gtctagggat	acttacctca	taaggtgcag	agtgaggatt	32488313
tgaattcaga	tctgcaatgc	caaagcccac	acacattttc	catttctgtg	32488263
tgcttctctg	ctgctcctaa	ttatatgtac	tctttccctt	atthttatctg	32488213
tgagggtgtgg	gaatgacccc	atagacgtgg	gttatatggg	tccagagaaa	32488163
cttcagttct	ctgaggagct	catgtaacct	tttttaagaa	aatgccaatt	32488113
ttagaattag	tactaaatat	tatthttccag	ctgggcatgg	tggcttatgc	32488063
ctgtaatccc	agcactttgg	gaggccgagg	caggcagatt	gcctatatat	32488013

atataatata	tattattata	ttatntttcca	atgtacaaat	gtgggggaag	32487963
gacttcttcc	acccaattca	gttattcact	ggacagcttg	cggggagggg	32487913
ttgcagggcc	atagctacat	tccaagagag	tacactggtc	tcagtcctat	32487863
tctttttttt	ttttgtctga	gacagagtct	ctctctgtca	cccaggctgg	32487813
agtgcaatgg	tgctatcttg	gctcactgaa	acctccacct	cctgggttca	32487763
agaaactctc	ctgtcccagc	ttcccagta	gctgggatta	cagggtgtgca	32487713
cctccacgcc	tggctaattt	cttgtacttt	tagcagagat	ggggtttcac	32487663
catgttggcc	aggctggctc	caaactcctg	acttcagggtg	atccaccctc	32487613
ctcagtctcc	ccaagcactg	ggattacaag	cgtgaaccac	cacgcctggg	32487563
ccacagccct	attctttatg	ccagtgggta	actgagaaaa	attacatgat	32487513
cttcagtata	tggattgatt	ttgttcttga	gagcaattaa	aaactttata	32487463
catcttagct	ccttctctca	tcttcttctc	ctttttctac	tctgacttaa	32487413
actttgacct	agtcagggat	ggtgtgattc	ttcccaaacc	caccctttt	32487363
tggggaagta	gaaagggaga	gaagaatcta	cagttgccgc	cattcactga	32487313
gtccttctctg	tgtgccagtc	attaccctt	gattgaggac	tcttagtgtg	32487263
tcagtggtag	agctgtagtt	tgaacgcaat	cctgacacca	aaatgtgcc	32487213
ttgcttaagc	tcctgagctg	ccccaatctc	ttttcttttc	tttctttctt	32487163
ttttctttt	ttttgacca	gagtctcctc	ctgtcaccag	gctggagtgc	32487113
agtggcgcaa	tctcggctca	ctgcaacctc	cgctccctg	gttcaagtga	32487063
ttctcctgcc	tcagcctccc	gagtagctgg	gagtacaggc	gcctgccacc	32487013
acgcctggct	aattcttgta	tttttagtag	agacgggggt	tcaccatggt	32486963
ggccaggatg	gtctcgatct	cttgacctcg	tgatccacct	gcctcagcct	32486913
cccaaagtgc	taggattaca	ggcgtgagcc	accgcgcctg	gctgctccaa	32486863
tttcaatgac	aattttttat	attgttaatg	aatcagtttt	aacataaaag	32486813
ggaaacttta	ttttctgaaa	atagatatgc	ttttgaagca	gcatcattgg	32486763
ggtaaatacc	tgatgttctg	tgtctcacgc	caaaggaatc	gaggacacag	32486713
acacacaaga	agtgagtttg	agagtggagt	tttagggcgg	gcatgggtggc	32486663
tcacgcctgt	aatcccagca	ctttgggagg	ccgaggcagg	cagatcacia	32486613
gatcaggagg	ttgagaccat	cctggccaac	atggtgaaac	cccatctcta	32486563
ctaaaaatac	aaaaattagc	tgggtgagga	ggcatgcacc	tgtaatccca	32486513
gctactcggg	aggctgaggc	aggagaatcg	cttgaacca	gatggcagag	32486463
gttgcagtga	gctgaggctg	caccactgca	ctccagcctg	gctacagagc	32486413
gaggctccat	ctcaaaaaaa	aacaaaaggg	gggaggctta	ataggcgaaa	32486363
gaaagagaaa	agagaatagc	tctctctcct	gcagagagag	aggggaacct	32486313
gagtgagtgg	ttttgtggtg	aaatacatgg	tgttggtggt	gttggtggtt	32486263
tcagatggag	tctcgtctcg	tcgcccaggc	tggagtgcag	tgctgcgatc	32486213
tcggctcact	gcaagctccg	ccccccgggt	tcacgccatt	ctcctgcctc	32486163
agcctcccga	ttagctggga	ctacaggcgc	ccaccaccac	gcctggctaa	32486113
atTTTTgaat	TTTTtagtag	agacaggggt	tcaccttggt	agccaggatg	32486063

gtctcgatct	cctgactttg	tgatccgcct	gcctcagcct	cccaaagtgc	32486013
tgggattaca	ggcgtgagcc	actgcaccca	gccaatgcat	ggggttttat	32485963
agatgaactt	gagaaggtgg	tgtctgatat	acatagggac	tgagagattg	32485913
gtcagaaccg	gtataacggt	tgcatagcgc	acgaagaagc	cggccattcc	32485863
acccttatgt	tttattatgc	agatggggtc	tctatctggc	cggcactatg	32485813
ttgtctgttc	ctactgtaca	catggttgaa	aaagaaaagg	gaagatggat	32485763
ccgccatggt	gaatatgcct	ggccccagg	tggctttttt	ctatgggcac	32485713
agctactggc	atttaccaat	gcaagctttt	agcttatcta	tacttgcagc	32485663
ttgatttttc	aggctgcttt	ttattagaaa	agatatgatt	tgggggcttt	32485613
ttgaatgaaa	ggaaacttta	tctaggactt	tcttatcctc	acttatcact	32485563
ctcacaacag	caacattcac	agcaaacctg	ccatggctgt	gagcatctag	32485513
tttaagctga	ggagatcctt	attcaaagag	cttgtgaaat	tagaaagatc	32485463
agagtcaaag	taagctattc	ttagagaagt	ttttgtgggg	aaggaccccc	32485413
ttgtacaaaa	gtattcattg	ttctgtattt	atgatagccc	caatctgaaa	32485363
acaacccaat	ccatcaacag	gagaatagat	aaataaactc	tagttttttt	32485313
tttttctgtg	tttttttttt	tttttttttt	gtcgttgccc	aggctggagt	32485263
gtggtggcac	gatcttggct	cactgcaacc	tccgcttcct	gggttcaagt	32485213
gattctcctg	cctcagcctc	ccaagtagct	ggaattacag	gcatgagcca	32485163
ccatgcccgg	gtaatttttg	tatttttagt	agagacaggg	tttcgccatg	32485113
ttggccaggc	tggctctgaa	ctcctgacct	caggtgatcc	gcccacctcg	32485063
gcctcccaat	atgctgggat	tacaggcgtg	agccaccgtg	cccggccaat	32485013
acactctagt	attttataca	gtacaatact	actaagcaat	gaaatgttac	32484963
aaactactta	tactgcaagc	aacagcatga	gtgacttaca	cagacattgt	32484913
gtggaatgaa	aggagtagca	catactgtat	gattccgttt	atgtgaagtt	32484863
cttcaacagg	ctaatttacg	gtttaaaaaa	atcagaagag	tgattttctt	32484813
tgaggggtgtg	gcagagatgg	aatttgactg	ggaaggggca	taggatacta	32484763
aggagagggg	aatgttttct	gtcttgatag	gtgtttgagg	tagaagcatt	32484713
tttcagctca	tcaaagggta	cagttaagat	ctctgctttc	actgtagggtg	32484663
aatttttctt	aagaaagaat	aataaaccaa	tattgaattc	tagttaatta	32484613
tatgaacata	gaagtgtact	aacgtctgca	acttacattg	aatatgcaag	32484563
aaaataagta	aaatagattg	ataaatgaat	agagggatgg	attttctcta	32484513
tgtttgaaaa	tgttcataat	aaaatgtag	ggtaatggcc	agacgcgggtg	32484463
gctcattctt	gtgatctcag	cattttggga	gactgaggca	gacagatcac	32484413
tttagcccag	gagtttgaga	ccagcctggg	caacacggca	aaactctgtc	32484363
tctaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	attagccagg	catggtggca	32484313
cacacctgcg	gtcccagtta	ctcaggaggc	tgaggtggga	agatcacctg	32484263
agcccagaag	gttaaggatg	ccgtgagcca	tgatggggcc	actgcactcc	32484213
aacctgggtg	acagagtgag	accctgtctc	aaaaaaagag	ttttaatggt	32484163
aggataacat	gagttcccat	gccaacccca	tccacatgag	ttcccaagcc	32484113

aactccattc	acataccaca	atcacactca	catagctccc	atdddgtttc	32484063
tctccaccca	gtgattctag	ttctcttccc	cacttcctgt	ctgccctctc	32484013
atgctgtcct	taattcagac	tttgcatcct	catcctgatg	cagggggctc	32483963
tgtatgtgtg	tatgaggagc	cggggtagat	catctaactt	ggtttgggaa	32483913
tgcacacaga	gcagtctcag	aggcttctgg	gcccctgctt	ttcagagtgt	32483863
gtggaggagg	aaggggagaaa	ggaagtgtct	tttaaagcaa	ctaggaggat	32483813
gaaatgacag	gaccatacca	ggaaattgaa	atccgtttct	tatcttaaaa	32483763
catcacttta	aacatactcc	ttataccata	atctctccca	gttgctcata	32483713
ggataaagaa	caaatgcctc	atcttggcgt	acaaggcttt	ccatagcttt	32483663
tcccctttgt	accctggaag	cataactcct	tttttctgtc	tcctcaatta	32483613
ctcatattga	tagggaaggg	gggaagggaa	gtgctgggaa	gagaagggcg	32483563
cgtccctggc	aagggtcca	ccccaggcc	tgtgcccacg	gacctaggtg	32483513
aggacaggca	ctcctgcctt	ggcgccaaa	tgttgcatth	cccaaggcca	32483463
ccctggcctg	ccacaccgtc	atcctatgct	tataaaaatc	ccagagacct	32483413
ttgcaggcag	acacacaagc	ggctggacgt	cgagaggaac	acatcggcgg	32483363
aagaacatac	aagcagctgg	acgtccagag	gacgttgaag	ggagaatgct	32483313
ggcggaagag	cacacaacag	acatcggcac	gccagcaggc	catccaccag	32483263
aggaacgact	cggagtttgg	cctggagggt	tggagaagag	ttggtggcgg	32483213
tcttactccg	gggaaaaacc	atctcccctc	tggctacccc	atctgctgag	32483163
agcttcttcc	actcaatgaa	accttgccgt	cattctccaa	gaccacgtgt	32483113
gatccaattc	ctccggtaca	ccaaggcaag	aaccccggaa	tacagaaagc	32483063
cctctgtcct	tgcaataagg	caggggtccc	attgagctaa	tacaagacgc	32483013
ctacggacag	ctgaactaaa	agagcaccct	gtaacacaca	cccactgggg	32482963
cttcaggagc	tgtaaacatt	caccactaga	cactgccgtg	ggattggaac	32482913
cccacagccc	gcccattctgt	atgatcccct	agaggctctga	gcagcgggca	32482863
ctgaagaagt	gagccacacc	cccacgcaa	gcccctgcgaa	ggggacaaga	32482813
gaacttttcc	cctttccata	ctcccctgatc	tcatoctctc	acctgcaagg	32482763
cgtttttacat	cctcatctcc	acctccacc	cagcccact	acctggcctc	32482713
atcttactta	tccttttttt	tttttttttt	tccttttgag	gcagagtctc	32482663
gctctgtctg	ccaggctggg	atgcagtggc	acgatctcgg	ctcactgcaa	32482613
cctccgtctc	ccgggctcaa	gtgactctcc	tgcctcagcc	tcgggaacag	32482563
ctgggactac	aggcgtgtgc	caccacgccc	cgctaatttt	tgtattttta	32482513
atagagacag	gattcaccat	gttggtcagg	ctggctcoga	actccttacc	32482463
tcacgtgatc	cgctgcctc	ggcctcccaa	agtgttggga	ttacaggcgt	32482413
gagccaccgc	gcccagccct	acttatcctt	taagacctgg	ttcatgtgct	32482363
gtctcctcca	tgaaaacttc	ctcccctggat	gattccagtc	catatactct	32482313
ttcctggaaa	tactggagag	aacgtaccct	ctgcaccatt	catgttgaca	32482263
cttataccgt	cttttgacat	ttaattccat	gttgccctct	tggctctgaa	32482213
cagcagaaat	gagaagaaac	tttgaagaga	agggcaaagt	tccagctgaa	32482163

catagtttag	agctctaggc	aaggagtcca	gccgcctggg	ttctcttttag	32482113
ggcctggcca	tgaatagcca	ggggctttga	gcgagttttt	ttctggtttg	32482063
ggtcaccatt	ttctcatcta	tgaaaagcgg	ggcattacct	agataattgc	32482013
atcagcccct	ccacctgata	gtctctgggt	ctgttttggt	tgttttacag	32481963
AATGAAGAGT	AGTTTTACAG	AAAAAAGAGG	ACAATATTGG	GATCACCTTT	32481913
GACCTTTCCA	TTTGAAAATA	ATATTTTCTA	TTGTGTTATA	GAAAGGTGGG	32481863
AAGCTTTCAT	CCAGAACA	ag taagtatatg	agaaataaca	tctgcctggg	32481813
tatacagtct	gctaccaa	actggtgatt	ttaaattggaa	aatcagttca	32481763
tggtcttctc	tgaccagtca	tatgtggaat	taccaataaa	tattcttctg	32481713
ttgttttagg	aattcagtta	caaatatggg	aacctgtgat	aaaaggcaga	32481663
accacagata	ggataggact	tacacaaaga	gtgaccagg	gtatgtttta	32481613
aactgttagt	tctcatcacc	tgttcagcca	gacagcagag	agctatacat	32481563
gtcaagctca	ttgtgaagaa	acatggtata	gatctaagtg	gcaacaaaa	32481513
tgtagctcct	tccactttaa	atggctgggt	gtagacctgc	actatctagt	32481463
atattaatag	tagccactag	ccctctgtag	ctatttaaag	gtgaatttaa	32481413
ataaaataaa	atgtaaactt	cagttgcaca	gtcactgtag	ccagatttca	32481363
agcactcagt	agtcacatgt	ggctaatagac	taccatattg	tataatgcag	32481313
atatagaaca	tgttcattat	cacagaaagt	tctattgaaa	agcattggtc	32481263
tagacaaaga	gatattctga	aaagaatgaa	taattaatga	ataaatgagc	32481213
agcatttttt	ccacctaat	acttgataag	gaaggagtat	gatggctctac	32481163
atacaaggag	atataacata	gtaaaataat	atcttactgt	ttatatatat	32481113
atTTTTTTTT	gtaaattttt	TTTTTTgtgt	gagatggagt	ctcgcctctgt	32481063
agcccaggct	ggagtgcagt	ggtgtgatct	tggctcactg	caacctccac	32481013
ctcctggggt	caagcgatgc	ttctgcctca	gcctcctgag	tagctgggac	32480963
cacaggcgcg	tgccaccatg	cccagctaat	TTTTTgtatt	tttagtagag	32480913
acgaggtttc	accatattag	ccaggatgat	ctcgatctcc	tgacctcgtg	32480863
atccccccgc	ctcggcctcc	caaaatgctg	ggattacagg	tgtgagccac	32480813
cacgcctagc	cacttttcca	atTTTaaagac	atTTTTgggt	atgagagtta	32480763
tgtgacttat	tcaatataat	gagtctttta	aataattaga	gtattttaaa	32480713
taacgtgtct	tcattttata	ggtgaagaaa	ggtagtctca	ggaaggctag	32480663
gctgtgaact	tgtgtgtgtg	tgggtctcta	agcctttctg	aggctgtatt	32480613
tcttattttt	TTTTTTTTTT	tttgagacgg	agttttgctc	ttgttgccca	32480563
ggctggagtg	caatggcgcc	atctgggctc	accgcaacct	ctgcttccca	32480513
ggttcaagtg	attcgctgc	ctcagcctcc	cgagtagctg	ggattacagg	32480463
catgtgccac	cacgactggc	taattttgta	TTTTtagtag	agacaggggt	32480413
tctccatggt	ggtcaggcta	gtctcgaact	cccgaacctca	gataatccgc	32480363
ccacctcagc	cttccaaagt	gctgggatta	caggtgtgag	ccactgcgcc	32480313
cgggtgaggc	tgtatttctt	tagctctaaa	ctgaagatca	caatgggaca	32480263
cagacttaga	ggttacttcc	atagggatga	tgtggaagct	agagaacaga	32480213

tgagaccca	gaaggagaga	gatgggactc	ttgcaggaca	tgtagacagg	32480163
gaatattcta	gctgaggtca	gcagcagagc	tctgcaatgg	tgagaaagga	32480113
cggctggggg	ggggtcctgg	tgcttgaggt	gattgatggg	gcatttcagg	32480063
ccagagaggt	tctgggggtct	ttgagaggag	tgcatccct	ctctgatcag	32480013
tcaacacagg	tttgaaagcc	aggagcggcc	aggtgcgggtg	gctcatgcct	32479963
gtaatcctag	cactttggga	agctgagacg	ggcagatcac	ctgaggtcgg	32479913
gagttcgaga	ccagcctgac	caacatagag	aaatctcatc	tctactaaaa	32479863
atacaaaatt	agctgggtgt	ggtggcgcac	gcctgtaatc	ccagctgctt	32479813
gggaggccga	ggcaggggaa	ttgcttgaac	ctggcaggca	gaggttgtgg	32479763
tgagctgaga	tcgcgccatt	gcactccagc	ctgggcagca	acagtgaaac	32479713
ttcgtctgaa	aaaaaaaaaa	aaaaaaaaaa	ccaggagcag	cctagcccag	32479663
gaagaaatct	agtgcagacg	gtgtctgaga	gttaaaaacc	aggaagacat	32479613
ttctccaagc	tgtcacaaac	atagcgtggg	tacagtgcct	gggtacgggtg	32479563
tggtctacgt	ttcagaatta	gaccttgacg	agtcagacac	aaaaaggaca	32479513
cagctaccct	caagacctgg	cgagagagct	tacattggat	aaaaaccagt	32479463
gttttgatgt	gatactcttc	agaaaagacc	aaagtctgtg	gagatacaat	32479413
gtgctctttg	tctggtgaca	cctgaataaa	ggctaaaaat	agtagctaac	32479363
atatattgag	ttattacttt	gtatgagata	ctatacatga	attattgtaa	32479313
caacttccta	agttaaataa	tgctcttgac	accattgtac	agatgaggaa	32479263
tccccagtg	gctggagctg	gttgttactg	tgatgtgaaa	cctgattatt	32479213
gaattttcag	gatttttggt	agccagttaa	catacgtctg	tagcttgaaa	32479163
taggccaatg	taggaatatt	tataccttgg	ggattgggtg	atgctacaaa	32479113
ttagggcctt	tactcccaga	gggccagggc	cagtttgtga	aacatttagc	32479063
agcacgtact	tttttttttt	tttttttttg	agacagagtt	ttgctcttgt	32479013
tgcccaggct	ggagtgcaat	ggcaccatct	cggctcaccg	caacctccac	32478963
ctcccagggt	caagcgattc	tctgcctca	gcctcctgag	tagctgccac	32478913
tacaggcatg	caccaccaca	cctggctaata	tttgcatttt	tagtagagac	32478863
aaggtttctc	catgttggtc	aggctggtct	cgaactcccg	acctctggtg	32478813
atccgcccgc	cttggcctcc	caaagtgctg	gggttacagg	tgtgagccac	32478763
cgcacccggc	cagcagcacg	taattgaaat	agactcaaag	aggcttagtg	32478713
acttgccaag	gtcacataga	tggtagcaag	tggcagatcc	taggccaattg	32478663
ccattattct	aaagccaacg	gtcttacaac	tacaacctca	ctggggactg	32478613
ctttatatca	gagggacaag	ataactcacc	ttacttcttc	accaaagcaa	32478563
aacatcttgc	tcatcaataa	ctctgggggt	agaaatgctt	tgcagaggcc	32478513
gggcacgggtg	gctcacgcct	gtaatcccag	cactttggga	agccaaggca	32478463
ggtggatcac	aaggtcagga	gttcgagacc	agtctgacca	aaatgggtgaa	32478413
accccgctctc	tacaaataat	agaaaaatta	gctgagtgtg	gtgggtgcgtg	32478363
cctgtaatcc	cagctactca	ggaggcggag	gcaggagaat	tgcttgaacc	32478313
caggaggcag	agcttgcagt	gagccgagat	cgcgtcactg	cactccagcc	32478263

tgggtgacac	agcaagactc	cgctctcagaa	aaaaaatgct	tggcagagca	32478213	
tttcttgaag	gcctggaatt	caggcatttg	gcatctccat	aactcaggag	32478163	
atgctcacag	gaaaaaatg	catggcccta	atgctctgga	gacagatgct	32478113	
gatatgcata	tttaattttt	tttttttaga	cggagtctcg	ctctttcgcc	32478063	
caggccggag	tgcagtggcg	ctatctcagc	tcactgcaag	ctccgcctcc	32478013	
tgggttcacg	ccattctcct	gcctcagcct	cccaagtagc	tgggactaca	32477963	
ggcgcccgcc	accacgcccg	gctaattttt	tgtattttta	gtagagacag	32477913	
ggtttcactg	tgtagccag	gatggtctcg	atctcctgac	ctcgtgatct	32477863	
gcccgcctcg	gcctcccaa	gtgctgggat	tacaggcgtg	agccaccgtg	32477813	
cccagccgga	tatgcacatt	ttatataagt	aaataaatat	gtatatttct	32477763	
ccccatctcc	tcagTGAATT	TCATAAAGGA	CAATAGCCGA	GCCCTTATTC	32477713	
AAAGAATGGG	AATGACTGTT	ATAAAGCAA	TCACAGATGA	CCTATTTGTA	32477663	
TGGAATG TTC	TGAATCGCGA	AGAAGTAAAC	ATCATTGCT	GCGAGAAGGT	32477613	
GGAGCAGGAT	GCTGCTAGAG	GGATCATTCA	CATGATTTTG	AAAAAGGGTT	32477563	<u>E64Rfs*4</u>
CAGAGTCCTG	TAACCTCTTT	CTTAAATCCC	TTAAGGAGTG	GAACTATCCT	32477513	<u>L70F</u>
CTATTT CAGG	ACTTGAATGG	ACAAA gtaag	tatcagttag	ttttgcatct	32477463	
gtttctgcaa	gtagaataga	ccacaacaaa	gatccatctt	ccccatggca	32477413	
gagcctctgc	ttttccttct	cttcatatca	cctggcagtg	gcctttgata	32477363	
cctgctaagg	aaaagcttag	atgattttag	gaaaaactca	tagtagatca	32477313	
attgatgggtg	aagccaaaca	aataacccca	aggccaggaa	ataaatgatt	32477263	
gagtattgtc	tcactgcaag	ataaaaactgg	agaataagtg	cactagttaa	32477213	
gcttccagtg	cagcagtggt	tctcagcatt	ccctggttgg	atgagatcta	32477163	
cctatgggag	agaggcccag	ctgactacct	actccatgtc	caggcctcct	32477113	
ggtaaagaca	gcctgactga	cacagaacca	tgattctatg	tttcataaaa	32477063	
tattgttttt	atTTTTTTaa	ttagtaaata	aggctatgac	agattttact	32477013	
cagagtgaag	gcctactatg	atgacaatta	tcctaacca	tctttctctg	32476963	
ccaaattctt	tactttcctt	aaccccaaaa	caagctcctc	ccttttccaa	32476913	
ccagctgcta	taagatttgg	ttgtggaaag	gaggaaacag	aaagcaaaaa	32476863	
ggggagtggg	gtaaaggatg	ctggggaaag	ggggagcaga	cagaaccctt	32476813	
tgtgccagct	cagaactggg	aaaggacatt	acattcacca	atggcagatt	32476763	
ctcagcctca	cccccccggt	catcctcctg	aactctaggt	tttgaggaga	32476713	
cacagaattg	ggtcttcttt	aacatcacct	cttctcta	at agGTCTTTTT	32476663	
CATCAGACAT	CAG AAGGAGA	CTTGGACGAT	TTGGCTCAGG	ATTTAAAGGA	32476613	<u>E95*</u>
CTTGTACCAT	ACCCCATCTT	TTCTGAACTT	TTATCCCCTT	GGTGAAGATA	32476563	<u>I124T</u>
TTGACATTAT	TTTTAACTTG	AAAAGCACCT	TCACAGAACC	TGTCCTGTGG	32476513	
AGGAAGGACC	AACACCATCA	CCGCGTGGAG	CAGCTGACCC	TGAATGGCCT	32476463	
CCTGCAGGCT	CTTCAGAGCC	CCTGCATCAT	TGAAGGGGAA	TCTGGCAAAG	32476413	<u>A160T</u> <u>C165R</u> <u>S171F</u> <u>G172S</u>
GCAAGTCCAC	TCTGCTGCAG	CGAATTGCCA	TGCTCTGGGG	CTCCGGAAAG	32476363	<u>T177A</u> <u>T177S</u> <u>R181X</u>
TGCAAGGCTC	TGACCAAGTT	CAAATTCGTC	TTCTTCCTCC	GTCCTCAGCAG	32476313	<u>R204H</u> <u>R207K</u>



GGCCCAGGGT	GGACTTTTTG	AAACCCTCTG	TGATCAACTC	CTGGATATAC	32476263	
CTGGCACAAT	CAGGAAGCAG	ACATTCATGG	CCATGCTGCT	GAAGCTGCGG	32476213	
CAGAGGGTTC	TTTTCTTCT	TGATGGCTAC	AATGAATTCA	AGCCCCAGAA	32476163	
CTGCCCAGAA	ATCGAAGCCC	TGATAAAGGA	AAACCACCGC	TTCAAGAACA	32476113	
TGGTCATCGT	CACCACTACC	ACTGAGTGCC	TGAGGCACAT	ACGGCAGTTT	32476063	<a href="#">C283G</a> <a href="#">I287T</a> <a href="#">G291S</a>
<a href="#">GGTGCCTGA</a>	CTGCTGAGGT	GGGGGATATG	ACAGAAGACA	GCGCCAGGC	32476013	
TCTCATC <u>C</u> GA	GAAGTGCTGA	TCAAGGAGCT	TGCTGAAGGC	TTGTTGCTCC	32475963	<a href="#">R310*</a>
AAATTCAGAA	ATCCAGGTGC	TTGAGGAATC	TCATGAAG <u>AC</u>	CCCTC <u>T</u> CTTT	32475913	<a href="#">T337S</a> <a href="#">T337N</a> <a href="#">L339P</a> <a href="#">V341L</a>
<a href="#">GTGGTCATCA</a>	CTTGTGCAAT	CCAGATGGGT	GAAAGTGAGT	TCCACTCTCA	32475863	<a href="#">V341A</a>
CACACAAACA	ACGCTGTTCC	ATACCTTCTA	TGATCTGTTG	ATACAGAAAA	32475813	
ACAAACACAA	ACATAAAGGT	GTGGCTGCAA	GTGACTTCA <u>T</u>	TCGGAGCCTG	32475763	<a href="#">I387T</a>
GAC <u>C</u> ACTGTG	GAGACCTAGC	TCTGGAGGGT	GTGTTCTCCC	ACAAGTTTGA	32475713	<a href="#">H392del</a>
TTTCGAACTG	CAGGATGTGT	CCAGCGTGAA	TGAGGATGTC	CTGCTGACAA	32475663	
CTGGGCTCCT	CTGTAAATAT	ACAGCTCAAA	GGTTCAAGCC	AAAGTATAAA	32475613	
TTCTTT <u>CA</u> CA	AG <u>T</u> CATTCCA	GGAGTACACA	GCAGGACGAA	GACTCAGCAG	32475563	<a href="#">H443P</a> <a href="#">H443Q</a> <a href="#">S445P</a>
TTTATTGACG	TCTCATGAGC	CAGAGGAGGT	GACCAAGGGG	AATGGTTACT	32475513	
TGCAGAAAAAT	GGTTTCCATT	TCGGACATTA	CATCCACTTA	TAGCAGCCTG	32475463	
CTCCGGTACA	CCTGTGGGTC	ATCTGTGGAA	GCCACCAGGG	CTGTTATGAA	32475413	
GCACCTCGCA	GCAGTGTATC	AACACGGCTG	CCTTCTCGGA	CTTTCCATCG	32475363	
CCAAGAGGCC	TCTCTGGAGA	CAGGAATCTT	TGCAAAGTGT	GAAAAACACC	32475313	
ACTGAGCAAG	AAATTCTGAA	AGCCATAAAC	ATCAATTCTT	TTGTAGAGTG	32475263	
TGGCATCCAT	TTATATCAAG	AGAGTACATC	CAAATCAGCC	CTGAGCCAAG	32475213	
AATTTGAAGC	TTTCTTTCAA	GGTAAAAGCT	TATATATCAA	CTCAGGGAAC	32475163	
ATCCCCGATT	ACTTATTTGA	CTTCTTTGAA	CATTTGCCCA	ATTGTGCAAG	32475113	
TGCCCTGGAC	TTCATTAAAC	TGGACTTTTA	TGGGGGAGCT	ATGGCTTCAT	32475063	
GGGAAAAGGC	TGCAGAAGAC	ACAGGTGGAA	TCCACATGGA	AGAGGCCCCA	32475013	
GAAACCTACA	TTCCAGCAG	GGCTGTATCT	TTGTTCTTCA	ACTG <u>G</u> AAGC <u>A</u>	32474963	<a href="#">W655C</a> <a href="#">Q657L</a>
GGAATTCAGG	ACTCTGGAGG	TCACACTCCG	GGATTTGAGC	AAGTTGAATA	32474913	
AGCAAGATAT	CAGATATCTG	GGGAAAATAT	TCAGCTCTGC	CACAAGCCTC	32474863	
AGGCTGCAAA	TAAAGAGATG	TGCTGGTGTG	GCTGGAAGCC	TCAGTTTGGT	32474813	
CCTCAGCACC	TGTAAGAACA	TTTATTCTCT	CATGGTGGAA	GCCAGTCCCC	32474763	
TCACCATAGA	AGATGAGAGG	CACATCACAT	CTGTAACAAA	CCTGAAAACC	32474713	
TTGAGTATTC	ATGACCTACA	GAATCAACGG	CTGC <u>C</u> GGgta	ttgtaaatat	32474663	<a href="#">P752L</a>
cagtggtttg	tgctttgttc	acttaaaaaa	aaataacagt	gtataaat	32474613	
ggaaaaggag	agaggagact	ttatctcttc	taaagggtta	cagcctgcaa	32474563	
ggtggccatc	ccacaggctg	agaaacatgc	ctccaaccaa	gaccagagac	32474513	
aggcacctcg	aaggaggggt	tggggtagac	actttatggt	gaatggggtg	32474463	
gctaaacata	catattcaac	agattacagg	aggagctatg	aatattcatg	32474413	
aaggtggtct	tgatacatgc	atattgaata	aacatgcatg	taacatacaa	32474363	

cccatgttca	ctttggggtg	gagatttagc	attaaatcaa	gcttatccaa	32474313
cctgcagtcc	gtgggctgca	catagcccaa	gacggctttg	aatgtggccc	32474263
agcacaaatt	cattttttgtg	tagcccaaga	caattcttcc	aatgtggccc	32474213
agggaaacca	aaagattgta	caccoccttta	aatgatttaa	atgtattaca	32474163
attaggccta	tacttcagaa	gttcttttca	gagcacaaag	gtaagcaggt	32474113
acgcaatctc	tgtaaaccag	ccagaaccag	tctgtggttg	gtggctctct	32474063
gatcaggaga	aagtactga	aatcactctc	ttctccaatc	aaagctgtag	32474013
ttatggcaga	tggaacaggg	attgttagca	tttgtgagct	ggatgagttg	32473963
cgaattgttt	aatattcaca	actatcaata	ttgcttatct	tgagaccaat	32473913
gcttgttttag	ctaccaaaga	agaaaaatct	gtggcagtta	cgacagagtt	32473863
tattctttttt	aaattttttt	tttttttcga	ggttgggtct	tgctctgtca	32473813
cccaggtggg	agtgcagtgg	tgcgatcaca	gctcattgca	gcctcaacct	32473763
cctgggctca	gttgatcctc	attgtttgat	tttttatggg	gagatgaggt	32473713
ctcactatgt	ttcccaggct	ggtcttgaac	tcctgggatc	aagcagttct	32473663
actgcctcca	ccttccaaac	tgttgggatt	acaggcgtga	gccaccacgc	32473613
ccagcctagg	acagtttatt	ctttaagcgt	agagctgaat	gacttagcct	32473563
ttgcctggca	tggctctatg	tcctctttat	aacttggtaa	tttattgcca	32473513
caaaaagtct	gttctgttag	tcttatgata	tctatgtcaa	cagtaatgct	32473463
gatgagttgt	gttcaaacca	tacaagagag	ggagtataat	gatgtgtgtt	32473413
tgacctccca	tcctgtcatg	gccaggaact	gagtttaagg	ttttttctg	32473363
gggtctcctt	agcccagagg	ggatgcattc	agttgggtgg	gggcttagga	32473313
tttttagttt	acagctataa	tcaagactgg	ctggaaatat	tagccaggaa	32473263
tactgtgaaa	atgttagata	tatagttttg	ctttattatt	tattatttat	32473213
ttttatagat	atagggggta	caagtgcagt	tttgttatat	cgatatattt	32473163
cgtggtgggtg	aaatctgagc	tttttagtgta	accaccatta	tcagattatt	32473113
tctcatccct	tgccctccctg	tcacgctccc	acctttccaa	gtctccatgt	32473063
ctattctgct	ttctatctcc	atgtgtacac	attatttagc	tcccacttgt	32473013
aagtgagtat	atatggtatt	tgattttctg	tttctgagtt	atttcaccta	32472963
agataatggc	ctccggttcc	atcaatgttg	ctgcaaaaga	catgatttca	32472913
tttttattag	ttttgtttta	aattttctag	tagtttctac	cagggtgtcag	32472863
gacttgaaag	gaaggtagaa	gggctgtgga	gagaggtcta	tggtggggga	32472813
aagctgttag	attgggagcc	ataggggaaga	ttcccagagc	tgtagtctga	32472763
ttggaaagat	atatatacac	atacatacat	agatacatat	atgtatgtgt	32472713
ttaaatatat	taaaactatt	tttattaaaa	atgtaaatat	actaaaaata	32472663
tttttattaa	aaaatatatt	ggaaggctga	ggcaggtggg	tcacctgagg	32472613
ttgggagttc	aagaccagcc	tgaccaacat	ggagaaaccc	catctctact	32472563
aaaaatacaa	aattagccgg	gcgtgggtggc	acatgcctgt	agtcccagct	32472513
actcgggagg	ctgaggcagg	agaatcactt	gaacctggga	ggtggaggtt	32472463
gcgggtgggcc	gagatcacgc	cattgcactc	cagcctgggc	aacaagagtg	32472413

aaactctgtc	taaaaaaaaa	aaaaaaaaatt	aaaaaaaaata	aatatatacg	32472363
caggttaagc	ttgtcttcag	caaatccttc	tcctgcgagc	acccccatct	32472313
ctaccaata	cccagtcctt	ccctgccaa	tggcacccctg	ccctacttca	32472263
agtcttggag	gaaatccaac	ctgtaaatta	atcacctgca	ggagctagga	32472213
gctaattgtg	ttacaagatt	ctcatctggg	aaattgtaga	agatactcag	32472163
ctccgttccc	accctaactg	ttgtttactt	ggttggggcc	aggccaggtg	32472113
actcacacct	gtaattccaa	cactttggga	ggccaaggca	ggaggattac	32472063
ttgagatcag	cctggacaca	ataggaagac	cctgtctcca	acaaaaatta	32472013
atcatctggg	cgtgatggtg	catgcctgta	atcccagata	ctccagagggc	32471963
tgagggtggga	ggatcacttg	agcccaggaa	ttttcaggct	gcagcaagat	32471913
atgatcatat	ctgtgcctgg	gcaacacagc	aagaccctat	ctccaaaaag	32471863
aaaagaaaaa	gaagaatgaa	tgacagaaga	tttggggaat	attgtctaac	32471813
atgatgaaat	ttcagatfff	agacttcaga	cacagatatg	cgagggcaat	32471763
ctttctgggt	aacggggata	cttcccaaaa	ttccaaataa	cactaaagga	32471713
gaatgtctgc	cctacctgtg	tagaccagcc	tggttgcccc	gagcaggaac	32471663
tgctatgtgg	tgtgaagcca	tgggaagcag	gaatcttgct	gtacttaact	32471613
gtagcagtct	ggggtagtt	ttcaaacgct	agcaatttcc	caccagctc	32471563
tgccctgctt	gtcacccctac	agagaaatff	cctatcattt	taagattcta	32471513
gaatfffftg	tacagataat	ctttgaaacc	tcctccctaa	tgaggggaatc	32471463
ccttctgtaa	gattctgggt	gtcacgaaga	ctgtattaga	ctaccttctg	32471413
tgtcaggaag	ctcaccatct	actcatgaca	actattcttt	tatactgatc	32471363
ctgtaaagtg	atcacctatg	tgctgaatff	ggcctatatg	gtgtttataa	32471313
ttatffffta	atgtttgcca	tttaaaaaaa	gtatffactt	tatfftaatta	32471263
ttatfffftt	gagacagggg	ctcactctgt	caccagggct	ggagtgcagt	32471213
ggcacaaatct	tggctcactg	caacctccac	ctcccggatt	caagcaagtc	32471163
tcgggcctca	gaatcccaag	tagctgggat	tacagggcatg	caccaccaca	32471113
cctggctaata	ttttgtatff	ttagtacaga	cggggtttca	ccatgttggc	32471063
caggctgggt	tcaaactccc	aacctcaggt	gatccacccg	cctcggcctc	32471013
ccaaagggct	gggattacag	gtgtgagcca	ccacacctgg	ccccaacctg	32470963
ttgattffff	aaaggatatac	ataacgatag	ccaacattat	tgaacacata	32470913
caggatattat	tgaagcaaat	ttcgtgtatc	aactcattta	gatgtcttaa	32470863
ccctataagg	taaatfffft	ctatfffftca	tttttgtgga	tacatagtag	32470813
gtatatatat	ttatggggta	catgagatgc	tttgatccag	gcatgcaatg	32470763
tgtaataatc	acatcatgga	aaatggagta	tccatccctt	caaccattta	32470713
tgttttgtgt	taagaacaat	ccagttgtac	tgttagttat	tttaaatata	32470663
cagttaaactt	atffffgactt	agatactatg	ttgtgctatc	aaatactaga	32470613
tcttatttat	cccttctaag	tatffffttg	tatccattaa	ccatffccac	32470563
ctcctcccta	ctaccttcc	cagcctctgg	taaccatcct	tctactctcc	32470513
gtgagttcaa	ttgttttgat	ttttagatcc	tacaaataag	taagaacacg	32470463

tgatgtctgt	ctttctgtgc	ctggcttatt	tcacttacca	taatgacctc	32470413
tattcatctg	tttttttttt	tttttttttt	tttgagaagg	agtctcactc	32470363
tgctgcccag	gctgggggtgc	agtgggtgtga	tctcggctta	ctgcaacctc	32470313
tgccctcccag	gttcaagtga	ttctcttacc	tcagcctcct	gagtagctgg	32470263
gattacagggc	gcccataaac	acgcctggct	aatTTTTgta	ttttttaata	32470213
gagacagggg	ttcaccatgt	tgaccaggct	ggccttgaac	tccagacctc	32470163
aagtgatcca	cccacctcgg	ctacccaaat	tgctgggatt	acaggcatga	32470113
gccaccgtgc	ccggtctata	atcccatttt	ctacataatg	ctcagcctcc	32470063
taagtctgctg	ggaccactga	catgtgccac	cacacctcgc	tacctcacta	32470013
atTTTTtctc	ttctcattct	cctcctcttc	ctcctccttc	tcctcctcct	32469963
cctccttctt	cctctccctt	ccccctcct	tccccctccc	cctctctccc	32469913
tctcctcctc	ctcctcctcc	ttctTTTTtg	tagagaggag	gtctctctat	32469863
gttgccaagg	ccagtcttga	actcctgggc	tcaagtgatc	ctccccatca	32469813
gtctcgc aaa	ctgctaggat	tatatgtatg	agccactgca	cccagccagt	32469763
tttagaaggg	ttttttttgt	ggggtttgca	gaaggggggtg	ttgtagattc	32469713
cttgacattt	ttatcataga	caatcatggt	atcttcgaaa	agaatgattt	32469663
taaattcttc	ccttccaatc	tgtattcctt	ttatttattt	tttttttttg	32469613
ccttatttca	ctaactagga	cttgtagtac	aatgttgaat	agtgacatga	32469563
attaacatct	tgccctgttc	ctgaccttag	ggagaaaagca	ttcagacttt	32469513
cacctttaag	tataatgtta	aatgtagttt	tctttaggtt	gtctttttatc	32469463
aagttgctga	gaattttttt	tttttggcca	tgaatagggtg	ttggattgtg	32469413
ctaaagatgt	tttctgtatc	catttatatg	atcatgtcat	tttacetgga	32469363
tggatgttgg	attgttttta	ttaaattatt	tttagattat	ttttgaggca	32469313
gggtcttgtt	ctgtcacc ca	ggctggagtg	cagtggcgtg	atcatagctc	32469263
actgtagcct	tgacttctctg	ggctcaacag	atccaccac	ctcagcctcc	32469213
tgactagctg	ggaccataag	tgtgaactat	cacatctggt	taatttttaa	32469163
atTTTTtgta	gagacgagtt	ctcgtatgt	tgcccaggct	ggtcttggac	32469113
tcctgtgctc	aagagatttt	ccgcctggg	cctcccgaag	tgctgggatt	32469063
acaggcgtga	gccacctagc	ctggatgttg	gattatgtca	catgtgtttt	32469013
ctgcatcaat	ttatgggata	acgtagtttt	acttttagac	tgccaatata	32468963
atgaattata	tggattgatt	tccacatatt	gagcatcctg	cattccctat	32468913
atgaagccca	tttggagggtg	gtgtaataat	cttttttttt	ttttttttga	32468863
gatggaatct	tgctgtgtca	ccaggctgag	tgcaatgatg	cgatctcggc	32468813
tcactgcaac	cgccgcctcc	tgggttcaag	caattctcct	gcctcagcct	32468763
cccaagtagc	tgggactaca	ggcgcgccac	cacgcccagc	taatttttgt	32468713
atTTTTtagta	gagacagggg	ttcaccatgt	tggccaggct	ggtctcaaac	32468663
tcctgacctt	gtgatccacc	tgccctggcc	tcccaaagtg	ctgggattac	32468613
aagtgtgagc	caccacgcct	gccgtaatat	tcttttatgc	atgactgaat	32468563
tccattttct	atTTTgttga	agatTTTTga	ttctgtattc	atgaatgata	32468513

ttggtctaaa	gtttaatttt	ctttctttct	tttcgagatg	gggtctcact	32468463
ctgtcaccag	ggctggagtg	cagtgggtgcg	atctcagctc	actgcaacct	32468413
ctgcctcctg	ggttcaagcg	attctcctgc	ctcagcctct	ggactagctg	32468363
ggattacagg	cgctgccac	tacaccocagc	tgattttttg	tatttttagt	32468313
agagacggag	tttcaccatg	ttggccaggc	tgggtgtcaaa	ctcctgacct	32468263
cgtgatttgc	ctgcctcgcc	ctcccaaagt	gctgggatta	cagggtgtgag	32468213
ccacctcgcc	cagcctcaat	tttctttctt	ttcttttccg	tccttccctc	32468163
cctcctttct	ttctctatct	tctctctctc	tctctttctt	tcattaaaga	32468113
cattgtctca	ttctgtcacc	aaggctggag	tgcaagtggg	tcatcacact	32468063
tcattgcaat	cttgaactcc	tgggctcaag	cgattctctt	gcctcagcct	32468013
cctgagtagc	caggactact	cacacctgcc	accacacctg	ggtaatttaa	32467963
aaaatatttt	gtagggatag	ggctctggata	tattgccccag	gctgggtctca	32467913
aactcctggc	ctcaagtgat	cctcctacct	ctgcccccca	aagcacgggg	32467863
attataggag	tgagccactg	tgccctggcct	aaaagttttt	cttctacgtc	32467813
ttttctctgg	tttcatatca	agttaatgat	ggcttcataa	aatgagttgg	32467763
gaattattct	ttgtacttct	atthttctgga	agtgactgtg	tagaattggg	32467713
gttattttct	ctttaaatgt	gtggtagata	tgaagacagt	tgatagaagg	32467663
aaaaaatga	aatgtgtg	cagaatttgc	aagtgaacat	atctgtgcct	32467613
acagatgtct	tttccgggaa	atthttagata	acaaattcaa	tttctttaat	32467563
agctataagg	ttattccggg	tacctactcc	gtatcacatg	agtgttggtg	32467513
gtttgtgggt	ttcaaaaaat	tgggtcaattt	catatatggt	gtcaaattta	32467463
tgtgcataga	tttgtttata	ttattctcta	attgtccttt	taatctctgc	32467413
agtgtgtgta	gtgatatccc	cttttttggt	tctgatattg	gtaatttttg	32467363
tcttcttttt	ctttgtcagt	cttggtagaa	atthtttaa	tttattgatc	32467313
ttttcaaaga	tccaactttt	agcttcattg	atthttttct	attgtttacc	32467263
tgtttataat	tttgatttct	gggctgggca	tgggtggctca	cgctgtaat	32467213
cctagcactt	tgggaggctg	aggccaaagg	atcaactgtg	ctcaggagtc	32467163
cgagaccagc	ctgggcaaca	tagtgagacc	ttgcctctgt	ttttaatttg	32467113
tataataaag	gcataataac	tttgatttgc	acccttatct	ttattatttt	32467063
ctttcttctt	tcatttattt	tgctctcttt	tctgtaattt	cttaagtagt	32467013
atgcctagg	tgttgatttg	aggcctttcc	tcatttctaa	tataagtatg	32466963
caatactgta	aatgtccctg	taagcactgt	gttagctgca	gatttttttt	32466913
tcttttcacc	cctttgtgag	gagagagctg	cagattttga	agttttggtt	32466863
ttatttttat	atthttcaaa	atattatcaa	agtttccatg	agacttcttc	32466813
tttaatgcat	gattatttaa	aaatgtgttg	tttaatttcc	aagtgtttag	32466763
aaatttccct	gttatcggcc	aggcgcagtg	gctcacgcct	gtaatcccag	32466713
cacttcggga	ggccgaggca	ggcggatcac	gagggtcagga	gattgagacc	32466663
atcctggcta	acatggtgaa	accccgctctc	tactaaaaat	acaaaaaaa	32466613
ttagccgggc	gtggtggcag	gtgcctgtag	tcccagctac	ttgggaggct	32466563

gaggcaggag	aatggtgtga	accocgggagg	tggagctggc	agtgagctga	32466513	
gattgcgcca	ctgcactcta	gcctgggcca	cagagcaaga	ctctgtctca	32466463	
aaaaaaaaa	aaaaaaaaa	aaaaggaaat	ttttttccct	gttatctggg	32466413	
aaattggtat	ctagtctatt	atgtgcagaa	catgcttaca	gtgaagtata	32466363	
atgcccattct	cttataaaaa	gtatattttt	atgtctattt	catgagcatt	32466313	
tttggctcat	gatgatcatt	aaaatctttt	gattggtaac	aaaaatgaca	32466263	
gtaatatgtaa	atgacatagt	aaatagcaaa	tatctgctga	aagagtccaa	32466213	
tcttttttct	tttgacagGT	<u>GGTCTGACTG</u>	<u>ACAGCTTGGG</u>	<u>TAACCTGAAG</u>	32466163	<a href="#">delexon5</a>
<u>AACCTTACAA</u>	<u>AGCTCATAAT</u>	<u>GGATAACATA</u>	<u>AAGATGAATG</u>	<u>AAGAAGATGC</u>	32466113	<a href="#">M775I</a>
<u>TATAAAACTA</u>	Ggtcagat	ctgttctcat	atgtgtatca	atgtaagttt	32466063	
gataataaga	ggagttaact	tcaggctctg	acattggctg	tgtctgcaca	32466013	
aggcaaggat	gtttttatgt	acttgtggct	acattggttt	ccccagacat	32465963	
tttccctact	gccattaaaa	tccttcagca	tcattttatt	caaattgtac	32465913	
aacaccagat	ggtaaccctt	ttgggaagag	agcccctgac	gtgtttttaa	32465863	
cttccgtctc	cctggctcat	tggctatggt	tttatttaat	gcatagaaac	32465813	
aatattttta	agtttatagt	atagtttcat	agttgcatag	aaacaatatt	32465763	
ttaaagttta	tactatgggt	tcatagttaa	aaaaattcat	aaatgaaata	32465713	
ggacacagga	aacaatgtga	atcaagaaaa	ctttggggga	agcatgcttt	32465663	
cattctacac	tgcaggttgt	gtttcccca	tcaaaaaaat	gaaaaggaaa	32465613	
aggaaacttc	aggaacacaa	gcagaacaca	tggcttacca	cagggaaacca	32465563	
ggccctgcag	gccagggagg	attcctgtta	aagctgcttt	ccttgaatgt	32465513	
ccctgttttc	tcgtgtgttg	gatttttttt	tttttttttt	ttggctcttt	32465463	
ttttccctac	ttgagtcctc	actaaaatac	tcctctcttc	ccttcatctt	32465413	
gttctttctt	attctgcttc	ctgccgaaag	acaactctag	cctataagcc	32465363	
aaacatggct	gaagcctggg	catggtggat	cacacctgta	attccagcac	32465313	
tctgggaggc	cgaggcagat	ggatcacctg	agttcaggag	ttcgagacca	32465263	
gcctggccaa	catggtgaaa	ccctgtctct	actaaaaata	caaaaattag	32465213	
ctgggcatgg	tggatgcac	ctgtaatgcc	agctacttgg	gaggctgagg	32465163	
aaggataatc	acttgaactc	aggaggagga	ggttgtagtg	agccgagatt	32465113	
gctccactgc	actccagcct	cggtgacaga	gatagactcc	atcttgaac	32465063	
aaaaacaaaa	acaaaagcaa	aacatggctg	acttcttttc	cttatatgtc	32465013	
ctacgtgaga	ataatcaaat	taattcagtg	ttcaataaac	atattattgca	32464963	
tgtgtataaa	ttacacagaa	aatcagagct	ggaaggggat	tgagagcatc	32464913	
taattcaact	cattcatttc	acagaaaact	ccactagaac	ctaaaatagc	32464863	
ttattgactt	gctcaagatc	ttaccaactg	gtagaaagag	gtcaaaaagt	32464813	
acctctctag	gatagcctgc	ttctgctatt	aaggaatcaa	aatgtgaact	32464763	
tgactaaacc	agtctaatta	tatcagtaat	aatttactct	ttattaaaga	32464713	
gttactctgc	tatagattag	acactagcct	cggcagtttt	atatacctca	32464663	
ttccattgaa	tccccacaac	agtccctagta	catagatata	atgatcccta	32464613	

acgcttcagc	taaaagattg	aataacttgc	ccaagtttat	aattattaag	32464563
taggggatcc	aggaactgac	tgcaaagctc	atgctcacia	cctttaaccg	32464513
gtatatactc	ccatgacaac	aatgaacatt	tatggagcac	ttactatgtg	32464463
ccaggcacca	cattaatat	gttaacgtac	attatctgca	accttcccga	32464413
aagctctgca	agactgatat	tattagaatc	atatatttta	tttcttttct	32464363
tttcttttct	ttgagatggg	agtctcgtc	tgtcgtccag	gctggagtgc	32464313
agtggtgaga	tgttggtca	ctgcaacctc	tgcctcctgg	gttcaagcga	32464263
ttctaagcc	tcaacctccg	aagtagctga	gattacaggt	gtgcaccatc	32464213
acgcccagct	aatTTTTgta	TTTTtagtag	agatgggggt	ccgccatggt	32464163
ggacaggctg	gtcttgaact	cctgacctca	ggtgattcgc	ctatcactgc	32464113
ctcccatagt	gctgggatta	cagggtgtgag	ccaccatgcc	tggtcattaa	32464063
aatcatatat	ttctttcccg	taggctacag	taccatcaag	ataagacagt	32464013
attttaatga	cacaaagtga	ggcctaacca	atcctaaact	gcacattagc	32463963
tttagactta	agaacggggg	atattttaga	atgtttccaa	ttatactggt	32463913
gatataaggt	aaatctttct	tctggttaaa	catgctgcag	tggatgtggt	32463863
cttcattcta	aagcttcagg	caggcccat	atcatgagtc	caggcaaggc	32463813
ttttgaggct	gtagacagtt	gcactagaag	cactccaagg	agccaagtcc	32463763
tcactacct	ccctgaactc	agcccccccg	ctgtttaaga	tttttgagaa	32463713
gattgaaagg	agagtgtctc	agaagacttc	attcatgtaa	agaattacgg	32463663
taagagtata	cattgatgcc	cattaaaaag	actacaaatt	tactacagtg	32463613
tttctcatgc	tactaagaga	ataacctcca	tataagtgat	tttttgtgtg	32463563
gtccaagaga	ctggaaagtg	agaattgaaa	gaaaaaaagc	tctcgttgat	32463513
tctttgtaac	ttaaagtcgc	tgcaggaaga	acatggcaag	gtctctgcac	32463463
aattattctt	tgctttcttt	tcagttcatt	aatctatgct	taaatcgaat	32463413
taacttggta	tcctaattgca	ttcctttcta	tcatttttca	<b>gCTGAAGGCC</b>	32463363 <a href="#">g786v</a>
<b>TGAAAAACCT</b>	<b>GAAGAAGATG</b>	<b>TGTTTATTTT</b>	<b>ATTTGACCCA</b>	<b>CTTGTCTGAC</b>	32463313
<b>ATTGGAGAGG</b>	<b>GAATGGATTA</b>	<b>CATAGTCAAG</b>	<b>TCTCTGTCAA</b>	<b>GTGAACCCTG</b>	32463263
<b>TGACCTTGAA</b>	<b>GAAATTCAAT</b>	<b>TAGTCTCCTG</b>	<b>CTGCTTGTCT</b>	<b>GCAAATGCAG</b>	32463213
<b>TGAAAATCCT</b>	<b>AG</b> gtaactgt	tgcttccatt	aactgaatga	ggacagtata	32463163
acagaacatg	tgatactatt	atactaattc	acactaaatg	tctcaaatgg	32463113
aaatttaatt	ttaaggaaaa	ctggaaaata	aaaacttctc	gataataagc	32463063
agattgtttt	taatgatatt	tctccatatt	agaattaaat	caactattga	32463013
tggataatag	gggagaattt	cagaataatt	gaagatgtaa	tttttagaga	32462963
aagtgaaaag	gaagaaaata	agaaataggt	gcttgaaact	tgccacacia	32462913
ccggtcatat	aatttactgc	ctaataaaca	tttaaatgaa	tggataaatg	32462863
attgagaagt	gagagataaa	gattttctta	aatgatctca	ggcttctaata	32462813
tcctacccat	tgccctgtta	agatgaagtt	aatgtgcatg	atatgataat	32462763
tgagccttct	gagttcccaa	agggatgcat	atcaactacg	gggaaactaa	32462713
ctgcatattt	ctggataaac	tatacatgtg	taattcagac	atattttaaa	32462663

atttagattt	tggaaaacag	tggataaatc	tttttaaagt	taaactatat	32462613
aactgctggg	agtctctaaa	gataactaag	gaagccattt	gtataactaat	32462563
ataaagttac	agctagagaa	accacagtt	gaaaaaggct	ggataagtac	32462513
tgggaatatg	agaacaatga	gcacatgcct	ttatttctct	acttactgat	32462463
ggggagagac	aggcttagaa	ctgcaaatag	caaacgtact	cttttaaaga	32462413
gaagttcagc	aggtttttta	ttgtagagca	caaaaaccag	aagatacttt	32462363
aagaaaaggg	ctcatatgat	tgattaaaaa	taataatagc	caatattata	32462313
acaagagtac	atattcatga	aaaacttgtc	tgattttttt	aaaaaggaga	32462263
tttttctagc	cctgacagaa	aaaacttcag	ctagattaag	caagagtgat	32462213
aatatgtgaa	gaaaagcact	aagcaattct	tagctagact	ggtactatta	32462163
tataattaat	gtttgcatgc	aaaatagttt	tccattacct	caacatattt	32462113
gtgtctttgt	cattcaaaaa	cgtctttttg	acacagcata	aaactgggtc	32462063
ttgctttaaa	aaaagttctg	aatatctgat	tatctctgcc	ttttaattgg	32462013
agtgttttagt	ccattaagat	ttaatgtaat	tgttgatatg	gataaatttg	32461963
aatctgccat	tttgctattt	gttttttttc	tcatccattt	tttactatgt	32461913
ttttattatt	aatatctcaa	ctattatgtc	aataaaatca	tctaagttga	32461863
ggtacacaaa	accagctcat	ttcatttttg	ttggtggtgt	tgttcctggt	32461813
tctcctgcat	gattaacggc	attttataat	tgaagcaact	ttacatttta	32461763
tctggtccaa	ctacctcatt	ctatagagga	agacattgag	gcttagagag	32461713
accaagtgat	ttttccatga	tgacataaca	actacatccc	atgctgcttt	32461663
aggttctacg	tgacctggaa	ttcattaatc	agaacctagg	accaatgact	32461613
atgtgcccat	ttggtcataa	ccatgggatt	tgggggttac	acctacacca	32461563
gagcctttgg	aaataattaa	aataaccaag	gcaagttatg	gtttgcacta	32461513
ccattagcag	agaagataaa	actcagaatt	attctaagga	tacttcaaaa	32461463
tacatttata	tttacctgaa	aatcttttta	ttttggatta	ctttttttcc	32461413
ccagCTCAGA	ATCTTCACAA	TTTGGTCAAA	CTGAGCATT	TTGATTTATC	32461363
AGAAAATTAC	CTGGAAAAAG	ATGGAAATGA	AGCTCTTCAT	GAAGTGA	32461313
agaatgacaa	ttcagccaaa	attagatact	tgaatatgta	tactgggtag	32461263
tcgaaataca	tagcctgggt	cctgaggtct	tttataccca	tgtgtgcctt	32461213
actagatgca	ccctccttag	gaaaatcatt	taggcctttc	ttaaactgcc	32461163
cttaaggaac	acaggcccat	gtcttttaag	tcaccagttt	acatatgctc	32461113
actgcacttt	gaggcgggt	cccacctgct	ttcctccttt	gaagaggcaa	32461063
ctgtcaagag	tagccgatgt	gcaagacaaa	tttgcttaag	gaattgggtga	32461013
tatgattttt	taggtgtgat	agtgatatgt	gattatgggt	aaaagaaaaa	32460963
aaaggaaaga	actgattcat	attgtccatg	atgtgcttta	gaataataca	32460913
ggaggaatta	ggtcaggatt	aagcaagatt	gcccatgatt	taatgttttt	32460863
gaaggtgtct	tattagtata	tatagtttca	ttatattcct	ctgcataatg	32460813
tttgtatatg	cttgaatact	ttccaaaaaa	aaacaaaaaa	ttaagtagat	32460763
tctcattaca	gattgagtag	gctgcagagc	caccaaaccat	aaagatcatt	32460713



cctcccctaa	caccctttg	ttcttctca	gttttgagac	catccagtcc	32460663	
ctgaactgct	ctttgtttct	tccagTCGAC	AGGATGAACG	TGCTAGAA <u>CA</u>	32460613	<u>Q880E</u>
GCTCACCGCA	CTGATGCTGC	CCTGGGGC <u>T</u> G	TGACGTGCAA	GGCAGCCTGA	32460563	<u>C890R</u>
GCAGCCTGTT	GAAACATTTG	GAGGAGGTCC	CACAACTCGT	CAAGCTTGGG	32460513	
TTGAAAAACT	GGAGACTCAC	AGATACAGAG	ATTAGAATTT	TAGgtaggta	32460463	
cacacataca	gagccaagat	aactggattt	ggcccttaa	aaattcttaa	32460413	
gttggctttg	cttattttgc	ccccttattt	tattttgctt	cctctttttt	32460363	
ttaaaatata	aatatgtcta	atgaattcat	tcacgttaga	gtaagaagac	32460313	
ttaaaacact	ggccttctct	cagattctat	ttcctttacc	tacagaatta	32460263	
aatgaaaagc	attcacagta	tccaacaaga	tgtattatat	tagtcatagc	32460213	
tcttactagc	cttaactttc	tgaaattcag	caatgcccct	ccctccaata	32460163	
tcaggaaata	ttttcaagtt	acttactggg	tattcaaaac	atataaaggc	32460113	
gaatgtagct	gtatctaaat	agagccacaa	aatatcttta	aatagctgta	32460063	
atattatcca	gaaacaaata	gatctatata	aatgactgaa	gacaccacca	32460013	
acctcaggca	gttgatgaaa	gaagccttca	tactatctgt	attagttttc	32459963	
aattcctgta	taacatatgg	cctcaaaaca	taatggctta	aaacaataac	32459913	
cattatctca	cagtttctgt	ggttcaggaa	tttaggagtt	tagcaggtta	32459863	
gctctggctt	gacctctctc	atgagagggg	ctgctggagg	atctccttcc	32459813	
aaggtagctt	ctcacatggg	tggcaagtta	acactggctg	ttggctggag	32459763	
gcctcacttc	ctcatcatta	gacctcttca	caggctgtga	gtgtcctcac	32459713	
aacatggcag	cccactcatt	tctggtcact	tctgacatat	cccactggtt	32459663	
gcacaagtta	ttccaatcca	gcgtatggaa	acattaatac	aaggagggtca	32459613	
ggctcatcag	gttcaacttg	gaagctatca	tactaaagcc	aaggacttgt	32459563	
gaaaacagcc	tcgattgcct	tcatttctct	tacagattgt	ctaaaatgtg	32459513	
tttagtttac	gtaacgtaca	atattattaa	ctgtttttgt	tctttgtttt	32459463	
ttgttttttt	tttagacaga	gtcttgcctc	gtcgcccagg	ctggagtgca	32459413	
gttgcgcaat	cttagctcac	tgcacactcc	acctccctag	ttcatgccat	32459363	
tctcctgcct	cagcctcccg	aggagctggg	accacaggcg	ccagccacca	32459313	
cgcctaattt	ttttttttgt	attttttagta	gagatggagt	ttcaccgtgt	32459263	
tagccagaat	ggtcttgaac	tcttgacctc	gtgatccgcc	tgccctggcc	32459213	
tcccaaagtg	ctgggattaa	aggcttgagc	caccgcaccc	ggccctattt	32459163	
aaactgtttt	taagtgtaaa	agctttgtgg	cattaagtac	attcatatta	32459113	
ttgtgccact	atcacacat	ccatctccag	agcttcttca	tcttcccata	32459063	
tatacacaca	catatatatg	tccccaacac	tggagaacct	agatatataa	32459013	
agcaaatatt	gttagagcta	aagagagaga	tagaacccaa	tacaacaata	32458963	
gctggagact	cgacacccca	tttacagcat	tggacagatc	tcccagacag	32458913	
agaatcaaca	aagaaacatc	agacttaatc	tgcactatac	accaaagga	32458863	
cctatatatta	tagagcattt	catccaacag	ctgcagaata	cacattcttc	32458813	
tcctcagcac	atggattatt	ctcaaggata	gaccacatgt	taggccacaa	32458763	

aataagtctt	aaaaaatccc	ccaaaattga	aatctgattc	aagtatcttc	32458713
tctgaccata	atagaataga	ataaaaactag	aaaccaataa	ccagaggaac	32458663
tttgaaaact	atacaaacat	atggaaatta	aacaacatgc	tctggaatga	32458613
caagtgtgcc	aatgaagaaa	ttcagaagga	aactgaaaaa	tttcttgaaa	32458563
taggctgggt	gtggtagctg	atgactataa	tcccagcact	ttgagaggcc	32458513
aagggtgggag	gactgcttga	gcccagaagt	ttgaaaccag	cctgggcaat	32458463
atggtaacat	gtcgtctcta	caattaaana	aaaaaaaaaa	aaaatatata	32458413
tatatatata	tatatatata	tatttaaaat	ttcttaagac	aaatgaaaat	32458363
ggaaacacaa	catactgaaa	cctatgggat	acagtgaaag	cagtatgtcc	32458313
cctcccctcc	ttccctccct	cccttccttc	ttcctttccc	tcctccctt	32458263
ccttccttcc	ttccttcctt	ccttccttcc	ttccttcctt	ccttccttcc	32458213
ttccttcctc	cctccccccac	ccctctcttt	ctctttgaga	caggggtctcc	32458163
ctgttgccca	ggctggagtg	cagggatgtg	atcacagctc	actaaccttg	32458113
aacttctggg	ctcaagggat	cctccttcc	caactacca	agtagctggg	32458063
actagaggcc	actatgctcc	gctaattggac	cttcctcttc	aacgaccttc	32458013
ccttccactc	tccttcatcc	attcattcta	tgagcatgca	atgactagat	32457963
tatgacaagc	cacttaaaat	tgttctacct	gcaaaaataat	aaatgcagat	32457913
atcccattct	caaaccacaa	cctcctgtat	ttctatctac	tcctaatac	32457863
cagttctttt	acttccactgg	gacttccagt	ccgtcgatcc	cgctaccttc	32457813
tacctatfff	tcaggccctt	tctatfffga	cttgcccttc	tacctagfff	32457763
caactccatc	ttccatccct	gcaaacattc	ttgtctttaa	tagctgaaat	32457713
tctcatggcc	cacagtagca	tgagtcaatt	caggcaatga	ctttgagtga	32457663
tggatgtgtg	tgatagatgc	aatggtgaaa	tgaagagtgt	aatgagagat	32457613
ggagtctcta	attaaagaaa	gactacctaa	tgagatgcag	gcagaacatg	32457563
agatgtggaa	tgagagggat	gaaatgaaat	atagtagatg	gggtgtactt	32457513
tctgacaaa	accccaggcc	tggattgtcc	ttaaatttcc	ctttttaaaa	32457463
ttttgtaact	acacttagga	tactggggaa	aaactgcaaa	atftggggaga	32457413
taaatacaag	ttcatactga	caaatttcaa	cgaaaatatt	tagaagtgaa	32457363
tggtaaagaaa	acgctgtata	tcaaaaacttg	tagcatgcag	caaaaggcag	32457313
caaaaaagag	taactttaca	gtggagaaaag	ctggtgacac	taccttggtc	32457263
aggtgaacaa	ggtcaacatt	aacagtgggtg	attcatggtg	atagtatgta	32457213
cctagatatg	acatgacgaa	aatagtactt	tacctctatg	atattcctcc	32457163
ccaaagatcc	atatccccca	tctaattgatg	agaaaaacat	caaacaatcc	32457113
taactgaggg	acttctacac	aaaactgacc	agtattcctt	gaaactgtca	32457063
aggaaataaa	aaacaagggtg	attgtgagaa	atcgtcataa	gcatgaggaa	32457013
cctaaagaga	catgacaatg	aaatgtaatg	tcctatcctg	gatgagttcc	32456963
tgcaacagaa	aaaaagacat	ttgggtcaaaa	ctaaggctgg	gtgtgggtggc	32456913
tcacgcctgt	aatcccagca	ctctggggagg	ccgaagtggg	cagattgctt	32456863
gagcccagga	gtccgagccc	agtctgagca	acatggcaaa	actcaatctc	32456813

caaaaaatta	gctgggtgtg	gcagcgtacg	cctgtagtcc	cagctacctg	32456763
ggaggctgag	gtgggaggat	ggcttgagct	caggaagttg	aggctgcagt	32456713
gagctgtgat	catgccactg	cattgcagct	tgggtgacag	agtgcacccc	32456663
agtccccac	cccccccca	caaaaaaaaa	tagaaaaaga	aagaaagtga	32456613
aaatacaacc	tacagaatgt	gaaaaaaaaa	ttgcagatca	cattatctaa	32456563
taaaggactt	ccatcttgaa	tatataaaaa	aactcttatg	gccgggcgtg	32456513
gtggctgaca	cctgtaatcc	cagcactttg	ggaggttgag	gcagggtggat	32456463
cacaaggcca	ggagttcgag	accagcctgg	ccaatatggt	gaaatcccat	32456413
ctctactaaa	aatacaaaaa	aattagccgg	gcgtggtggc	acatacctgt	32456363
aatcccagct	actctggagg	ctgaggcaga	agaattgctt	gaatcctgga	32456313
ggcagagggt	gcagtgagcc	gagattgcgc	cactgcactc	cagcctgggt	32456263
gacagagtga	gactccatgt	caaaaaaaca	aacaaaaaaa	ctcttacaac	32456213
tcactgataa	aaaatgcaaa	taaccaatt	tgtaaaatgg	gcaagaatct	32456163
gaacagacat	ttcaccaagg	aagatatgta	aatcgcaaaa	taaatagcag	32456113
aaaacataat	caatatcatt	agccatcagg	gtaataatgt	aaacccaaac	32456063
tacaatgaga	taccacctga	gacctactag	ggatggttat	tattttttat	32456013
taaaagacat	acaataaaca	gtgttggtgg	caaggatacg	gagaaattca	32455963
tatgctggta	gttagaatgt	aaaatgatgc	agctgctgag	gaaaacattc	32455913
tggcaagttg	ttcaaaatgt	taaacataga	gttgtcatat	gacctagcaa	32455863
ctctcttct	aggctactca	gataaatgaa	aaccaatata	cacataaaaa	32455813
cttgtatatt	aatgtttata	atagcatggt	tagtagctca	aaagtggaaa	32455763
caactcaaat	gtccatcaaa	taatgaatgg	attaaaaaat	gtagtatgaa	32455713
aaaaattagc	tgtgtgtggt	ggcacatgcc	tgtaatccca	gctacttggg	32455663
aggctgaggc	aggagactct	cttgaaccga	gaagggtggag	gctgcagtga	32455613
gccaaagatcg	cgccactgaa	ctccagcctg	ggtgggagag	tgagactcta	32455563
cctcaaaaaa	aaaaaaaaaa	aatagcgggg	gctgggcca	gtggctcacg	32455513
tttgtaatcc	cagcagtttg	agaggccaag	gctgggtgggt	cacctgagggt	32455463
caggatggca	ccactgcact	ccggcctggg	agacaaaaca	aacaaacaaa	32455413
caaaaaacag	tgaataaaca	caatctctct	taatatttcc	tggcaatctt	32455363
actgtgtttc	tgtattcaac	actgtatgta	aactatttca	cacttttttc	32455313
ttctcaatca	gtactcagcg	tctctatatt	cacagaggat	gtgactgtta	32455263
tttttttctc	tccttctcct	tagagcttat	aggtttctct	tctctacct	32455213
aagggcagtc	tctttagcag	tgcttgagat	gccagcctca	ccctcactcc	32455163
agttcagggg	catcatttta	ttgactgtgc	ctcttgttac	tgactccctc	32455113
ctgtcagttt	ttaaagttgc	tcaaatctct	tccattttaa	ataaaaactct	32455063
ccctgagtcc	tatcttctct	ctttggttat	cattctatct	ctcctctcct	32455013
tcaaggtaaa	agctctaaaa	caaattttat	gtacccttat	gacatctcca	32454963
tttctgacc	atctgctact	ttctactcat	tgcatctgac	tctccacacc	32454913
cctccatgtg	gctgaatttc	aatagacact	ttcagaagtg	tttaatttat	32454863

ttgattcctc	cgcaggagtt	gacactgagc	attcccttct	tttcaaaaca	32454813
ttctcttgac	ctccatgcc	ccttggtac	ttctcagtct	tcttttcaat	32454763
ggtgattcct	ctaccagat	attaaatggt	tctagttttc	cttaaagctt	32454713
ggtctagact	atctgctggt	cttctcaga	gattgcattt	gatctccaag	32454663
ctttgccatg	ttttgcttga	ctccaaaat	tttgtttctt	acccatcagc	32454613
aatctgagac	tacaacataa	aaatcattgc	tagctcaggt	atctatttca	32454563
cctgtttttt	tgtttgtttt	gttccaggct	gcagtgcagt	ggtgcgatct	32454513
tggctcactg	caacctcgc	ttcctgggat	tctctgttct	ctattcgctt	32454463
ctctgaatct	caagtgattc	tctgcctca	gcctccccag	tagctgggat	32454413
taccggtcca	tgccgccact	ataagtatgt	gccattataa	gtgtgtgcac	32454363
tatgcccagc	taatttttgt	attttttagta	gagacgaggt	ttcatcatgt	32454313
tggccaggct	ggtctcaaac	tcccgacctc	aagtgatctg	cctgcttcag	32454263
cctcccaaag	tgctgggctt	acaggcatga	gccaccatgc	ctgaccaatt	32454213
tcacctgctc	taacaaaacc	ctttgttaa	tggtatcttt	caacttggat	32454163
gtttgaagct	gaactctgct	atccagcctg	ttctcaaaga	gagctcatgc	32454113
ctgtaatccc	agcacttctg	gaggccaagg	tgggtgtatc	acttgaggtc	32454063
aggagttaa	aaccagcctg	gccaacatgg	tgaaccctg	tctctactaa	32454013
aaatacaaaa	attagctggg	cgtagtgcac	atacttataa	tcccagctat	32453963
acgggaagct	gagttggcag	gatcacttac	ttgagccagt	ggggcagatt	32453913
gcagtgcact	gagattgcac	cactgcactc	ctgggcaaca	gagccagaac	32453863
ctgtctcaaa	aaaagaaaaa	aaaaaagcca	tgcagaccc	tattcatggt	32453813
ctagaagctc	tgtgttaa	cctgggcca	atcattctgc	tgtatagatc	32453763
ccgctatcat	attttatttt	ccaaaagctc	tttcttagca	tcttattggt	32453713
gctgagtaga	tgcagtctac	tgaaaaactt	aggatctctg	aaaaacttag	32453663
gtctttggag	tttgattttt	cttgttttct	acagtgcctg	atctctttgg	32453613
gagttgtttt	ggcttttagt	ctcagtcttc	cttgtgggag	gctgttgtca	32453563
aatgtctgat	aatcctgcac	tgtcctcttc	acattttaga	gggagacaca	32453513
agttgatagg	gagttctgtg	tgtctaaggg	aggcggtgaa	tttttgacag	32453463
gctaactcca	ctagggggtg	attgggcaag	caaaatggcc	ccttctttgt	32453413
agggcctttt	cccggggggc	agttccattt	ctcctaagaa	tctccagtc	32453363
ttcctcctgg	agcatataag	cccaattgca	agtgttctgg	gaacaaagtg	32453313
gagtgaggaaa	gcctattgct	tttgtgtgct	cccagggtac	cctgacctac	32453263
catagcacc	accaccatc	taattacttt	ataatgcatg	tcttcacact	32453213
atthttgtaag	cccatttaga	cagggaccat	gtctgtcgtt	tacacatctc	32453163
cccagcacc	agcataatcc	gcagcacata	gtagcactaa	agatgttgct	32453113
gaatgaataa	acagtgcag	ctctgggtact	cgttcagggtg	aactacagga	32453063
caacacaaat	gaagagttgt	gtttgggata	caggaacccc	caagaatcag	32453013
aaccttcta	cccagggcct	ctgagatttt	tcctggaatt	ccaatcaagc	32452963
catttgcact	ctccacagcc	cacatacagc	ctatggctct	aaatgtcatg	32452913

gattctgttt	ctcttggatc	tagtctgctc	ctcataacat	aagcactgca	32452863
gattaaatga	acaaaaggca	tgcccttggc	ttatgacaaa	tgttgtttgt	32452813
tcttggttcc	tgcaactagca	cacattccaa	taattatcta	agaaactctc	32452763
ttaaattgat	gataagatcc	ttatacctta	gtagataacc	actataaatt	32452713
gctcacccctg	tgaggggtgga	atgggcttta	aattcttctt	aaattccttt	32452663
taggtggtga	aaatatgttc	tgctagctga	gaaggagaaa	aaaagttgat	32452613
ctttggggaa	agagccttaa	atagacacac	aactggcaac	cagcatttgg	32452563
actgagtgca	tgccatgctg	ggaagcatat	ggagaagggg	caaaggcaga	32452513
aaggacatga	acatgagatg	gaagagagag	cagggagaaa	gccatcctcc	32452463
aaggaacaga	ggaggtgga	ggcaggggaa	agtaaggacc	taggtactat	32452413
ttgggctggg	cataggctac	gctgtgataa	cagagaccca	actataccat	32452363
ggcttacaga	aggcagaact	tgattctcta	tcagtgaaca	gtccagaaat	32452313
gagcagtcca	ggcaggtggg	gtggttttcc	tctgtgcagt	ctttcaggcc	32452263
cagaccccta	cttttttttt	ttactcctct	attccttaag	agtgttattt	32452213
ttgactttat	ggccatagct	aggtcactgc	cctgtgatca	tttcaaccta	32452163
gtagaagagg	ggaaaagcgg	aaaagtgaca	tgggaagttgc	acacatcact	32452113
tctgcctata	cttccttggc	aaaaatttag	ccacacctaa	tagcaagggg	32452063
ggttgggata	tgagtggcca	tatgccgaaa	taaaactcta	ttaactatgg	32452013
aataaggaga	gacagttttg	ggaacaacta	gcagtctgtc	tcacttttct	32451963
tctctttttt	tttttgaaat	ggagtttcac	tcgttaccca	ggctggagtg	32451913
caatgggtgtg	atctctgctc	accgcaacct	ctgcctcctg	ggttcaagtg	32451863
atcctcctgc	ctcagcctcc	cgaatagctg	ggattacagg	catgcaccac	32451813
cacgcctggc	taattctgta	tttttactag	agacgggggt	tctccatggt	32451763
ggtcaggctg	gtctcaaaact	cctgacctca	ggtgatctgc	ccgccttggc	32451713
ctcccaaagt	gctgggatta	taggcatgag	ccaccgcacc	cggcctctgt	32451663
ctcacttttc	aaattaataa	aagtggcaaa	gaaggcccaa	agatggtgtc	32451613
agtgacactg	accatgggta	agagacatga	aggcagaacc	ctgtgaaatca	32451563
tctccttacc	tggctttgcc	cacttttagcc	gctagcatct	tgaccacggt	32451513
caggcagggc	caatcacttt	agggtgtctgt	aaagaagaac	ctgaagacct	32451463
ttcgaaactc	aagaccttat	gatggtgata	aaagcattgg	ctgacattga	32451413
ctaaggacac	actctagaat	gtacttagtt	gcactgaaca	aactacacaa	32451363
ggccatgcag	tgacatcaga	caccaaattc	acagatctcc	tctcactacg	32451313
gagctggtaa	acacctttac	tgaaagtggg	taagggata	gtttcagtg	32451263
ataactaggt	tgacctcacc	cacgtaagct	ggtcggacaa	gactgtccat	32451213
ttctgtcatt	aagccctcat	tactggtagc	agataccttt	tagtctttgc	32451163
ttgctaacct	taaggttgta	cagcacccgaa	tctttccttc	tttaacttga	32451113
actcttttagt	ggtctttctca	ctgagacaat	ggaaaggaac	ttttaaaacc	32451063
tcttttctcta	cttggaatcc	aaactgaatc	atggaccttc	atttcataa	32451013
gggtcagttt	ctggaacatt	atctaataatt	acacatctcc	caagaaacac	32450963

aagtttaata	tacaacaaat	taaccctcca	aagttgggtg	aggtaacacta	32450913
agactaagat	gagctcggat	gagccgagta	atgtggattg	ataaaccagg	32450863
catacatctt	ctgcattttg	tgtgtgatac	tctggagtat	aaacatgtaa	32450813
gtaagagttc	ccatgtccag	tctgcctgtc	tgtccactct	gtacttcaag	32450763
gtgaacttag	tcattccagaa	agggccagg	agggtgggtag	ggctaacgct	32450713
ttgcacaatt	taatattgtg	aattaacaca	gagctagttt	tgtgaaatcc	32450663
taatgttgta	tactggccaa	tctgtatgat	ggtaaataac	ctgaaagaaa	32450613
ggatattttt	cttattgcaa	gactcacttg	ggttccagta	ccacctaaac	32450563
tggtaacatg	ggataaagaa	tgaacactaa	actatattgtg	tatgtataca	32450513
cacacacaca	cacacacaca	cacacacaca	cacatccttt	gtatgtatgt	32450463
gtgtgtgtgt	gcattctttg	tgtatcagaa	agacaggata	ttccacctacc	32450413
ctatgttagga	aatacttttag	gtgccctatt	ctgtaaggaa	tggaggaact	32450363
tcttgaagag	gctcgggagg	gttatacata	aacaggtaaa	caaaaacacc	32450313
caaactcttta	gatactgaag	gaggctcact	tactcaagtt	tacagttagg	32450263
aacataccca	tagaaacaac	agtttaggtgg	tgtttacttt	ttcagaagag	32450213
gaaacgactt	aatattgcca	aagattgact	ccagttttga	aaacaagtac	32450163
tgaatattta	attaaagcaa	ccttccattt	cctaggagta	aggaaaaggg	32450113
gaaaaaaaaag	taattcattt	acatattggt	gctacctcac	tacgaatcac	32450063
tatttatcag	attcccttat	actctaggaa	aatataatag	accatattca	32450013
caatcactgc	cctagctata	gagaattata	ttaataattt	ctttctgagg	32449963
caaagcactg	gttcaaacat	ggccatttca	gagtgaaaaa	aaagtatgta	32449913
aaataaatgt	agaacctatt	tctctttttt	tttaaaaaaa	atthttcttc	32449863
caactaatat	acttatttct	ttaccagGT	<u>G</u> CATTTTTTTG	GAAAGAACCC	32449813 <u>A929S</u>
<u>TCTGAAAAAC</u>	<u>TTCCAGCAGT</u>	<u>TGAATTTGGC</u>	<u>GGGAAATCGT</u>	<u>GTGAGCAGTG</u>	32449763
<u>ATGGATGGCT</u>	<u>TGCCTTCATG</u>	<u>GGTGTATTTG</u>	<u>AGAATCTTAA</u>	<u>GCAATTAGTG</u>	32449713
<u>TTTTTTGACT</u>	<u>TTAGTACTAA</u>	<u>AGAATTTCTA</u>	<u>CCTGATCCAG</u>	<u>CATTAGTCAG</u>	32449663
<u>AAAACCTTAGC</u>	<u>CAAGTGTTAT</u>	<u>CCAAGTTAAC</u>	<u>TTTTCTGCAA</u>	<u>GAAGCTAGGC</u>	32449613
<u>TTGTTGGGTG</u>	<u>GCAATTTGAT</u>	<u>GATGATGATC</u>	<u>TCAGTGTTAT</u>	<u>TACAGGTGCT</u>	32449563
<u>TTTAAACTAG</u>	<u>TAACTGCTTA</u>	<u>AATAAAGTGT</u>	<u>ACTCGAAGCC</u>	<u>AGTAAgtgct</u>	32449513
ctggggacctc	attatthttaa	gcctggtagt	taaaaaaaat	cttgcaaaag	32449463
gatgccaag	aagataagga	cgtggaaaga	agtttaattt	gatgattaaa	32449413
aacatgcaac	agttttgtgt	cttagctctc	ctactaggat	tatcggcgcc	32449363
ttgaaggaat	tctcattcoat	ctttgtgtta	cctttggtct	gggtcacacc	32449313
aactggtata	ctgaatgcat	attaacttag	tatagtgoct	ggcatgtaag	32449263
agattctcaa	caatattctc	aataaatatt	cgctgaatat	gagataaatt	32449213
attaatagct	actgaataaa	gaaagattat	ttaaaaccag	agaggaaact	32449163
ccatataatgt	tctthtaatcc	aaacagttta	attcaagcaa	tctggaatat	32449113
aaaaagcact	ttctgatatt	agaaggagat	cagactocca	aaaaagatca	32449063
gcattcttta	gtcaagcaaa	acttggaggt	ttacaaacag	ctaaatcaga	32449013

agcttgaaat tcaggtcctc tccagtaoct gctacattat atgtaattcc 32448963  
aaacatgact tcagagatta aagaagaaag ggaagatggt tcccattctt 32448913  
ttgtacccta tataaactaa gggtaacctg cctaatactt tttccaaca 32448863  
cttccccaaa taaccttcc ttacaaagaa agaagtctaa gagaactctc 32448813  
tcatctaaat atatttaagt agaggcaagc ctgaaaaaaaa cacaaaaacc 32448763  
taaatggtgt taggctgtgg ttcaoctatt ctcatggcac ctcaaattaa 32448713  
tggcttgggt gttggtgtag gtaacgcttg gcctgtatgt tgaggtagtc 32448663  
actagataaa attctgggca caacatcogt ttagcaattg ggcatacatt 32448613  
ctacagattt agccataacg ttttgaagct gattatttta cagatcaact 32448563  
aattaattcc tctcctaac tttacagatg agaaagctca gatga

**Infevers - NLRC4 (NC\_000002.12, GRCh37) - gDNA - 2023-02-09**