

ADL\_0311WP\_Sequence\_Listing  
SEQUENCE LISTING

<110> Almac Diagnostics Limited  
Harkin, Denis Paul  
Proutski, Vitali  
Black, Julie  
Kerr, Peter  
Kennedy, Richard  
Winter, Andreas  
Davison, Timothy  
Bylesjo, Max  
Farztdinov, Vadim  
Wilson, Claire  
Holt, Robert James

<120> Colon Cancer Gene Expression Signatures and Methods of Use

<130> ADL-0311WP

<150> US 61/435,922  
<151> 2011-01-25

<160> 636

<170> PatentIn version 3.5

<210> 1  
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gcccagccca ctctta 76

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tgaggccttt ccatagctcc acagctt 87

<210> 3  
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<212> DNA  
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ggctttgatg atgga 75

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<212> DNA  
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cagtgttaaa atgcttctcc ctgaaaaaga gaaaaaaaaa aggaaaaaaaaa gaaaagaaaaa 120

# ADL\_0311WP\_Sequence\_Listing

gtgaaaagaa aaactcttat tggcctaagt tctaaataat agctaggtta ccactgagtt 180  
ttaactatat gtatatgagc ttcaaataag caccttttta 220

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tgtgagatgc tgcatttcta tgttgtgttt gctctgatgc agcagtaagt tttttgattc 120  
acttagacca gcacatta 138

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<400> 6  
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tacttacctg gtgtttaaca gcttacagat tgtgtaaagt catgaaacgg ataagaacct 180  
taaaagagag aaaagggaat agaggttacc aaatgaattg cagtttccaa attgcagag 239

<210> 7  
<211> 253  
<212> DNA  
<213> Homo sapiens

<400> 7  
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aaaccagat tcctgtgtac agatgctatt tagagggaat cagaaaaatg ccaagccttt 180  
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cttcctttta cta 253

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<212> DNA  
<213> Homo sapiens

<400> 8  
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<210> 9  
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<220>  
<221> misc\_feature

# ADL\_0311WP\_Sequence\_Listing

<222> (258)..(258)

<223> n is a, c, g, or t

<400> 9

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| gcatggtggc tcacgcctga aatcccagca cttggggagg ccgaggcaag tggatcacia | 120 |
| ggtcaggaga tgagaccatc ttagccaaca tggtgaaacc ccgtctctac taaaatacaa | 180 |
| aaaaattagc caggcgtggg ggtgcgtgcc tataatccca gctacttggg aggctgaggc | 240 |
| aggggaatcg cttgaacncg ggaggcagag gtcacgccat ggactccag             | 289 |

<210> 10

<211> 293

<212> DNA

<213> Homo sapiens

<400> 10

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|-------------------------------------------------------------------|-----|
| ctttctaaaa gttgcatgtt atgtgagtca gcttatagga agtaccaaga acagtcaaac | 60  |
| ccatggagac agaaagtaga atagtgggtt ccaatgtctc agggagggtt aaataggaga | 120 |
| tgaccactaa ttgatagaac gtttctttgt gtcgtgatga aaactttcta aatttcagta | 180 |
| atggtgatgg ttgtaacttt gcgaatatac taaacatcat tgatttttaa tcattttaag | 240 |
| tgcatgaaat gtatgctttg tacatgacac ttcaataaag ctatccagaa aaa        | 293 |

<210> 11

<211> 64

<212> DNA

<213> Homo sapiens

<400> 11

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| agcaagctta ctaaaaactg cacttcacac ttagcttaat gtttgaggga attaacttca | 60 |
| taaa                                                              | 64 |

<210> 12

<211> 113

<212> DNA

<213> Homo sapiens

<400> 12

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| accatggcaa cgaggtagtc tggtctatct ttggagtatg aaagtagtgc cttcttaa | 60  |
| ctaataataa atgagagttc cagaaaacca gtgcttcaaa caaatttgat tta      | 113 |

<210> 13

<211> 227

<212> DNA

<213> Homo sapiens

<400> 13

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|-------------------------------------------------------------------|-----|
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| aaaatgtaag aaaagttttc acattttttt accagttttt ctcacccatg accaccctgt | 120 |
| ctcaaaatga ttatgcaaca gccagagatc cccattcca aaattctttg caaagagcaa  | 180 |
| gatttccttc gctatttctg aattcatcca cacctctatt tctctct               | 227 |

## ADL\_0311WP\_Sequence\_Listing

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 atccttatct accttccccca gtgcatccca gaaaaacatc tgtcccttcc 170

<210> 15  
 <211> 78  
 <212> DNA  
 <213> Homo sapiens

<400> 15  
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 acctcgaccc aggtaaat 78

<210> 16  
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 <212> DNA  
 <213> Homo sapiens

<400> 16  
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 gtggctcacc cctgtaaccc caacactttg ggaggctgag gcgggcagat cacctgaggt 120  
 caggaattca agaccagcct ggccaacatg gtgaaacccc atctctacta aaagtacaaa 180  
 aattagccag gcggtagtgg tgtgtgccta t 211

<210> 17  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 17  
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 atgaaattat actctaaact tcgccagtct tctcccaacc aactgccaaa tctcatgaca 120  
 tggttttaag cctctctctc ttaacttctc agctttccac aagtagacaa gtcttcttct 180  
 ggaaactctc cacgcatgtc ctctatactc tcactactgt ctccctcttc ttccttctcc 240  
 acctgcccc atctcctggc atttctactc tcttt 275

<210> 18  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 18  
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 aggcaggaag ataggccctg ccctggcagg atgggttggg gtcacttgac ccctgctccc 120  
 cctttgaggg gaaaggggtg gaactaagat gggtttataa ctggaacctc caatgaccag 180

# ADL\_0311WP\_Sequence\_Listing

atgtatatag agatttacaa agatTTTTat attaatttaa taaaacaaat tcttaaatag 240  
aacaaaataa acacctaatag agccacttat atat 274

<210> 19  
<211> 83  
<212> DNA  
<213> Homo sapiens

<400> 19  
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ttttgttctg ggggtgcatca caa 83

<210> 20  
<211> 95  
<212> DNA  
<213> Homo sapiens

<400> 20  
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ttaaataaaa gcatgtggca tgttcacgtg ataac 95

<210> 21  
<211> 223  
<212> DNA  
<213> Homo sapiens

<400> 21  
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gagaaccaat gaattaattt agaaagagct tctctgggat tagaatgaaa ataaatcact 180  
ggctgggtgc acacctgtaa ttctagctat tcaggcagga gga 223

<210> 22  
<211> 138  
<212> DNA  
<213> Homo sapiens

<400> 22  
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gtgtatctga aattcaaatt aaactgggtg tctttttctt ttcacatctggc aaccctacta 120  
agatcataaa cccttgga 138

<210> 23  
<211> 226  
<212> DNA  
<213> Homo sapiens

<400> 23  
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gtctcaaatt tcttcatttg gaaatgataa tgtaggccac acgtattact ggagaaaaat 120  
gtgctcccga gactttccag agcagcagag ctgggactag gcagggtgagg cagctacgtg 180

caagtgtagc cctgagaatg agcacctctt taaagaatgt accttg 226

<210> 24  
 <211> 66  
 <212> DNA  
 <213> Homo sapiens

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 tcacac 66

<210> 25  
 <211> 107  
 <212> DNA  
 <213> Homo sapiens

<400> 25  
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 aatatgtcat tttatgtaag ggacttgagt atacttggat ttttggg 107

<210> 26  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<400> 26  
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 ggtggactca cggctgctgg gccccacgtc aaagggtcaag tgagacgtag gtcaagtcct 120  
 acgtcggggc ccagacatcc tggggtcctg gtctgtcaga caggctgccc tagagcccca 180  
 cccagtccgg ggggactggg agcagttcca agaccacccc accccttttt gtaaattctg 240  
 ttcattgtaa atcaaataca gcgtcttttt c 271

<210> 27  
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 <212> DNA  
 <213> Homo sapiens

<400> 27  
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<210> 28  
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<220>  
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 aaaccaaagc cctcaaattg tagtctctgt cggcttctgc agaattctgg aaaatgccag 120  
 ttttcctccc ccgcccttgt tttccataaa acatatttat atattgtgat gaggagtact 180

# ADL\_0311WP\_Sequence\_Listing

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<211> 189  
<212> DNA  
<213> Homo sapiens

<400> 29  
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acaatcttca ttctacagat gaactcattg aaacaattta ggggaatgag gggcaaaagg 120  
ggagaaatac tgctaaagaa catgagcata aaaacgcgtg cgtttcagtg ttaagaagg 180  
cttgataaa 189

<210> 30  
<211> 241  
<212> DNA  
<213> Homo sapiens

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ctctgcctgc ctttccctc ctttctccca tccccttttc cctatctggt gtctgtactt 180  
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t 241

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<213> Homo sapiens

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taacaaagcc gcacacgtac gccctcaagc taaaacaaaa gtggaccggg agccgaggtg 180  
ggggatcatg agggtcagga gtttgagacc agcctggcag ataacggtga aaccccgctc 240  
ctactaaaat accaaaaaag gttagccgac atggtgcagg tccttt 286

<210> 32  
<211> 75  
<212> DNA  
<213> Homo sapiens

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<210> 33  
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# ADL\_0311WP\_Sequence\_Listing

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<212> DNA
<213> Homo sapiens

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caggcgggtgt gggaacacca gcggacactc agcccagttc ctctgcagct ggacaggctg      180
ggcaatatct ggagaccgtg gctgcagccc tgctgtggcc cgttccccct ctgctggtgc      240
cttagggaag atgaccacaca ataaatgtct gcagtgaag                               278

<210> 34
<211> 194
<212> DNA
<213> Homo sapiens

<400> 34
tcttctgtga agacaggacc tatgcaacgc acagacactt ttggagaccg taaaacaaca      60
gcgccccctc ccttccagtc ctgagccggg aaccatctcc caggaccttg ccctgctcac      120
cctatgtggt cccacctatc ctcttgggcc tttttcaagt gctttggctg tgactttcat      180
actctgctct tagt                                                         194

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<211> 158
<212> DNA
<213> Homo sapiens

<400> 35
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ctggggccctt gaatatttaa tataatttag aagtctgtaa cgatgaagta gttagcagaa      120
gaaacttgag gagagaccag tgaggtgggt agcaaac                               158

<210> 36
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<212> DNA
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nagagggagc ctgtgggttc tcagagagat atcacaatth gagtcccaaa gaagaggcca      120
gatacccacc caccttcccc caaatcttaa gcacctgcgc cagtacagtc aagaagagg      179

<210> 37
<211> 222
<212> DNA
<213> Homo sapiens

<400> 37

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ADL\_0311WP\_Sequence\_Listing

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| ctcaacctcc | ctctgacctc   | ataacctaata | ggccttggac | accagattct | taccattct   | 120 |
| gtccatgaat | catcttcccc   | acacacaatc  | attcatactt | actcacctaa | cagcaaacact | 180 |
| ggggagagcc | tggagcatcc   | ggacttgccc  | tatgggagag | gg         |             | 222 |
|            |              |             |            |            |             |     |
| <210>      | 38           |             |            |            |             |     |
| <211>      | 239          |             |            |            |             |     |
| <212>      | DNA          |             |            |            |             |     |
| <213>      | Homo sapiens |             |            |            |             |     |
|            |              |             |            |            |             |     |
| <400>      | 38           |             |            |            |             |     |
| ggaagagctc | ggtgagcatg   | atcatggctc  | aggttctcca | tccacatgcc | taagacaggg  | 60  |
| gtgagtgtga | agatgggaac   | tgactcagaa  | ttactgtgt  | gatcatgggc | aagttgcaa   | 120 |
| gttaaccctc | atatctaaat   | tcaggatatcc | ttgaacaaac | atagacagat | actgatgatc  | 180 |
| cgccatgttt | actataacca   | taaactcttt  | gtgaattaaa | aatggcctct | caacctgga   | 239 |
|            |              |             |            |            |             |     |
| <210>      | 39           |             |            |            |             |     |
| <211>      | 35           |             |            |            |             |     |
| <212>      | DNA          |             |            |            |             |     |
| <213>      | Homo sapiens |             |            |            |             |     |
|            |              |             |            |            |             |     |
| <400>      | 39           |             |            |            |             |     |
| cagggccata | caggggtgtg   | acatcacaga  | taggg      |            |             | 35  |
|            |              |             |            |            |             |     |
| <210>      | 40           |             |            |            |             |     |
| <211>      | 270          |             |            |            |             |     |
| <212>      | DNA          |             |            |            |             |     |
| <213>      | Homo sapiens |             |            |            |             |     |
|            |              |             |            |            |             |     |
| <400>      | 40           |             |            |            |             |     |
| gtactctcaa | gaacagtaga   | gggaaaagaa  | aaaagaaaaa | gaacagtgga | ggttgtggtg  | 60  |
| aaggacattt | gagaagagat   | tcatgaaaca  | ggccaaatgg | taggtttgct | agttcgcagg  | 120 |
| gggagaacca | atgaattaat   | ttagaaagag  | cttctctggg | attagaatga | aaataaatca  | 180 |
| ctggctgggt | gcacacctgt   | aattctagct  | attcaggcag | gaggatggct | cgagcctagg  | 240 |
| agttggaggt | cagcataggc   | aacataggga  |            |            |             | 270 |
|            |              |             |            |            |             |     |
| <210>      | 41           |             |            |            |             |     |
| <211>      | 125          |             |            |            |             |     |
| <212>      | DNA          |             |            |            |             |     |
| <213>      | Homo sapiens |             |            |            |             |     |
|            |              |             |            |            |             |     |
| <400>      | 41           |             |            |            |             |     |
| caagaccggc | ccttggtgtg   | tgttacagag  | atgttgggca | gagctatgca | ggtgtttcat  | 60  |
| tgtgaactct | agctttgatc   | atggtaaaaa  | gttaaccttt | tctatttttt | aatggatgtt  | 120 |
| atacc      |              |             |            |            |             | 125 |
|            |              |             |            |            |             |     |
| <210>      | 42           |             |            |            |             |     |
| <211>      | 79           |             |            |            |             |     |
| <212>      | DNA          |             |            |            |             |     |
| <213>      | Homo sapiens |             |            |            |             |     |

# ADL\_0311WP\_Sequence\_Listing

<400> 42  
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aggggcccaag gacgagcca 79

<210> 43  
<211> 241  
<212> DNA  
<213> Homo sapiens

<400> 43  
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atgccagtga tgccagtggg gaggaggggg gcagagtctc cgaggccaag aagaacgcgc 180  
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a 241

<210> 44  
<211> 201  
<212> DNA  
<213> Homo sapiens

<400> 44  
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tgcagatggc catcttctct ccataggcta acatggcctc tactttgtgt gtgggagagt 120  
cagagataga gcaagccctc ttgtgtctct tcatataagc ctactaatcc ccatcagacc 180  
aggtccctta tgatcttaaa c 201

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<212> DNA  
<213> Homo sapiens

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gccggc 126

<210> 46  
<211> 95  
<212> DNA  
<213> Homo sapiens

<400> 46  
caggtgttgg gacagtccca cctccctgc tatttatatc cctctgccta tttattgaat 60  
cgaacttcgc ctctgtctcc atctgtaa atgtg 95

<210> 47  
<211> 145  
<212> DNA  
<213> Homo sapiens

<400> 47

# ADL\_0311WP\_Sequence\_Listing

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 tatcagggtt attggttgta catat 145

<210> 48  
 <211> 245  
 <212> DNA  
 <213> Homo sapiens

<400> 48  
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 atggcagaag tgcctgtgct agagttccaa ctgtggatgc atccgtcccg tttgagtcaa 180  
 agtcttactt ccctgctctc acctactcac agacggggat gctaagccgt gcacctgctg 240  
 tgggt 245

<210> 49  
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 <212> DNA  
 <213> Homo sapiens

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 ggggagtgga taccatttc tccatgatgt gcttattgca tactgcatgc ctggaccaa 180  
 atatgtaccc cat 193

<210> 50  
 <211> 36  
 <212> DNA  
 <213> Homo sapiens

<400> 50  
 atttactacc ttattatgaa gtgtgccctc caaaat 36

<210> 51  
 <211> 43  
 <212> DNA  
 <213> Homo sapiens

<400> 51  
 cttttctggg tcacagaggc caaatgtgag agcattgaat aaa 43

<210> 52  
 <211> 213  
 <212> DNA  
 <213> Homo sapiens

<400> 52  
 gaccttttca tcaatagatc gcccttaaag acccattgta aggtcataaa aaacctcggc 60  
 caactgcaca aagatgggtgc ctactgcaa caagaaacct taagggtgtct taccgacgaa 120  
 ataaaaaaca taaatgattg ttctccaagg cctgaggggca agactcatga tgggcaagtc 180

# ADL\_0311WP\_Sequence\_Listing

aacccaatc tgaacaatg tccctcctct tag 213

<210> 53  
<211> 122  
<212> DNA  
<213> Homo sapiens

<400> 53  
gattatgttt tccatggaag gacaagtctg actgttcata ggctgatttt cttaagagg 60  
attattctgt ttacaattt caattctaga tcacatttta tatatgctgc atgccaaaaa 120  
aa 122

<210> 54  
<211> 96  
<212> DNA  
<213> Homo sapiens

<400> 54  
acctgtccct gtcctacctt aactgatcaa tcgaccttgt gacagtcttc ttctggacaa 60  
tgggtcttat catctcccca ccatgtacct tgtgac 96

<210> 55  
<211> 203  
<212> DNA  
<213> Homo sapiens

<400> 55  
tagacagtat gagtcaatgt gcagtgtagc ccacacttga gaggatgaat gtatgtgcac 60  
tgtcactttg ctctgggtgg aagtacgtta ttgttgactt attttctctg tgtttgttcc 120  
tacagcccct ttttcatatg ttgctcagtc tccctttccc ttcttggtgc ttacacatct 180  
cagacccttt agccaaaccc ttg 203

<210> 56  
<211> 223  
<212> DNA  
<213> Homo sapiens

<400> 56  
aagacctact atctgatagc cccacatggt gactatagta aataataact taattgcaca 60  
tttaaaaata acttaaacag tgtaattggg ttgtttgtaa ttgaaaggat aaatgcttgg 120  
gggagtggat accccattct ccatgatgtg cttattgcat actgcatgcc tggaccaaaa 180  
tatgtacccc ataaatatat acacctacta tgtgcccccg aaa 223

<210> 57  
<211> 240  
<212> DNA  
<213> Homo sapiens

<400> 57  
gaatttgggt ttgatctccc tattgagaga ctggtgtaca gtatttgtct atccctgcac 60  
aaattattaa agcaagtttt gccattctgt tacccttct catgaatatc ttgattactt 120

ADL\_0311WP\_Sequence\_Listing

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| ttggccctaa ctcacgaagt tccacagaaa tccaattgg aatcttagtt aaaattgtgt   | 180 |
| tgtctatgga ccagttgaag aaaactgaca catttataat actgactctg ttccataaag  | 240 |
| <br>                                                               |     |
| <210> 58                                                           |     |
| <211> 211                                                          |     |
| <212> DNA                                                          |     |
| <213> Homo sapiens                                                 |     |
| <br>                                                               |     |
| <220>                                                              |     |
| <221> misc_feature                                                 |     |
| <222> (123)..(131)                                                 |     |
| <223> n is a, c, g, or t                                           |     |
| <br>                                                               |     |
| <400> 58                                                           |     |
| ccagcttttaa aggtgagatt gtagagatgc tgtcaaaggg ataaggaaat agcaagattt | 60  |
| ttaagtagtg tgtttgtgaa gactgatccc cattttacaa ctgcctgttc tttctccagt  | 120 |
| ccnnnnnnnn ncagccagct tgactattag aaaagtatga aactggttgg ggtttattta  | 180 |
| atatttttaa tatattgaga agcatgggtct g                                | 211 |
| <br>                                                               |     |
| <210> 59                                                           |     |
| <211> 56                                                           |     |
| <212> DNA                                                          |     |
| <213> Homo sapiens                                                 |     |
| <br>                                                               |     |
| <400> 59                                                           |     |
| aaattcaata tggaacttga ggccaaaaaa acagaagggtt actctcaatg ccatcc     | 56  |
| <br>                                                               |     |
| <210> 60                                                           |     |
| <211> 73                                                           |     |
| <212> DNA                                                          |     |
| <213> Homo sapiens                                                 |     |
| <br>                                                               |     |
| <400> 60                                                           |     |
| tatgtgccaa atctactaga cattggagaa acagtaggaa caacacatgg taccggcaca  | 60  |
| tggatctttc agg                                                     | 73  |
| <br>                                                               |     |
| <210> 61                                                           |     |
| <211> 266                                                          |     |
| <212> DNA                                                          |     |
| <213> Homo sapiens                                                 |     |
| <br>                                                               |     |
| <400> 61                                                           |     |
| agtctgggtc taatcttctg agctgccttt ggaaggaagt tatgaggtag aagattctac  | 60  |
| tgacttttag taaggtggac aatgagagaa aagaaaaagc aggtgcctca tctacagatc  | 120 |
| cttctgggat ttatttgcca tgtacaattt aatgcataaa aaggcctctc tccataaaac  | 180 |
| tcagcacttt acagatgtag aatatataag catgccaaat ttacttatct gtcacataca  | 240 |
| aagcatcatt ccaggtgcta gtgagg                                       | 266 |
| <br>                                                               |     |
| <210> 62                                                           |     |
| <211> 243                                                          |     |
| <212> DNA                                                          |     |
| <213> Homo sapiens                                                 |     |

# ADL\_0311WP\_Sequence\_Listing

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<220>
<221> misc_feature
<222> (128)..(218)
<223> n is a, c, g, or t

<400> 62
gtaggacagt aggacagtac acagtagaac agtctaggac agttcagagt acacagtagg      60
acagttcaca gtaagacagt tcacggtacc cagtaggaca gtacacagta gaacagttca      120
cagtgcannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnat aggacagttc acagtaagac      240
agt                                                                243

<210> 63
<211> 228
<212> DNA
<213> Homo sapiens

<400> 63
gaagctgccca gagggtaatt gggtttccca gaagttctta aatttgggag ctgtcttgcc      60
gcaagccatt gagactggaa attcttggag ttggtattgt ttttgtaaata tgactaatag      120
agagttaggga aagcctggag acttggtggg ggtgagttct ctaaatgggt ttaggcttgt      180
ctgtgtactt ttgcaacgag attgtctaata tctatgggcc tctgaggt              228

<210> 64
<211> 158
<212> DNA
<213> Homo sapiens

<400> 64
ttcttgtgca ttattacatt tactcataacc tccaggacaa tggtgaagag aaatgatgta      60
ttagtccatt ttcacactgc tataaagaac tgcctgtatt agcctagcat ggtggcggac      120
acctgtaatc ccagctatgc aagaggctga gacgagaa                          158

<210> 65
<211> 183
<212> DNA
<213> Homo sapiens

<400> 65
aaccacaacct taaagctgaa gacagtcccc gctaaatcct catactgaat tgagaacctg      60
tcttcccatt tgggtgtgctt tcctccgatt gatcccaacc cttcacctat tttacgtata      120
cctgcccttt cctaattggg ttttacctg ctgtgcccac cttttgagtg gtgcctttgc      180
ata                                                                183

<210> 66
<211> 37
<212> DNA
<213> Homo sapiens

<400> 66
tggtgaaatt ttgtacccc gatgcagttg gcactttt                          37

```

# ADL\_0311WP\_Sequence\_Listing

<210> 67  
 <211> 138  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 67  
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 ggggtcccagt tggttgtgca ggcaggagtg tcttctatca gttataacct accaaatggt 120  
 caaacaacta ggtatgga 138  
  
 <210> 68  
 <211> 39  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 68  
 ttggagataa ggcttttagg aagtcattaa agtgagatg 39  
  
 <210> 69  
 <211> 177  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 69  
 caggttgttt tgttctagtt ctaatttctt aaaaaccact acatggttac aaaattggaa 60  
 taacatttgg ggacaactgg gttactaca aagaggagga ttttaagagg agatgtgttg 120  
 tattgactca ttttgtatta tttttggctt acagttccca tagctgtag agtctgg 177  
  
 <210> 70  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 70  
 ggccaatgag aaccagcct tcaaataaac aagcttctca ttgtaaacac agggttcaaa 60  
 ggcagggagg ttggaggtgt ttgcaggg atccagaatt ctgatcgctg aatactttag 120  
 ggcaaagagt aagatttccc acacctcccc ctaaatctta caattccctg atgaggcagg 180  
 aacatgggaa aaaaaagata caggttaaat tacaagcag aaaaatatgc ccagctagaa 240  
 gctaaagacc tgggtctcaa acactgaacc gaggagcact gatt 284  
  
 <210> 71  
 <211> 254  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 71  
 ccctggcctg agaggttgct ttttaagtctt ccaccccttg ttccatctgc ctgccaaccc 60  
 atcggaaagg aatccacatc atattggaga tgaccccatc aacccaggg ctccagcact 120  
 accaagttgg aattccacgc ccgggagtg ggtagaggaa gacgagacag gacgaggcag 180  
 aaaagcacat tttaaaaacc agacaagatg gctaggccat caccaaccaa cggacttacc 240

## ADL\_0311WP\_Sequence\_Listing

ttacatcttt gtag 254

<210> 72  
 <211> 70  
 <212> DNA  
 <213> Homo sapiens

<400> 72  
 ttttttctat ccctgccatt cagtctccat tagcactcta ttctctctca tttattccac 60  
 cccgtcttcc 70

<210> 73  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 73  
 gaaacacgtg tattatggga acaactgaaa ggtcagcctg aagacttttg ccctgttgct 60  
 ttctgagagt gctggatatg agtccctgtc tctgaaactt ctaaaaaatat gcacccttaa 120  
 ccagctttcc acggaggggat aagcctttgt caatacaaat ggtacagtga gcagcaga 178

<210> 74  
 <211> 176  
 <212> DNA  
 <213> Homo sapiens

<400> 74  
 agtctggccc catagtgact ttgccccat gattctgctt cactgttgga atcctctttg 60  
 aagttccccc tctctttgct aaagcagtga aggaagagaa cagagacaaa ctctttggac 120  
 tgtgaaagag aaggtagaga attccaggca acagtctgac caagggtgta aaccag 176

<210> 75  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 75  
 gggaggggga gatacacata tataatatta aaaaaatgtc atcttccaca gaaaacactg 60  
 actctgcctt ccaaaagtca caagtacaga tggagtccaa gttcaggagt ggtgccccaa 120  
 cccagatact caaaccaaac tgcagaaaca ttcaggaaaa aacaagccaa agccattatt 180  
 ttagaaacac aacgcaaaac aataagataa aattaagtaa aagggaagta acagatggaa 240  
 taaaaaccaa gatatcacat tccataaagg gcaa 274

<210> 76  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 76  
 gtggtgggta tcgacaggaa tctgtcagag agcataccca tggagcattt ataattggga 60  
 gccattccag aattctgggt tgcatacaac tctttaaaaa gccagctacc ctgaaatgta 120  
 cactatctga gctctgcctt tgcctgtgat gagtgatgtt ggtcctgcct cttagttctg 180

# ADL\_0311WP\_Sequence\_Listing

ctctcagtct ccaccatcgg cttctcagat tttccttcca ggaccagcag gcaggtgggt 240  
gtgggtgactt tgtggcagac actgtggcag attaaagggtg gttgcaaatt 290

<210> 77  
<211> 242  
<212> DNA  
<213> Homo sapiens

<400> 77  
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tttcacccct ggaaaacaat gtgaagccaa ggaagctgcg gaaggatgga agtcaaagaa 120  
ttgaaaccct ccaaaccacg tcatctgatt gtaagcacia tatgagttgt gcccacatgc 180  
tcgttaacag ctgctgtaac tagtctggcc tacaatagtg tgattcatgt aggacttctt 240  
tc 242

<210> 78  
<211> 89  
<212> DNA  
<213> Homo sapiens

<400> 78  
cttgtagctg acatttggca aaagcgtcac tgaaaggcaa gctaaatgta gttattttat 60  
cctgtggccc tgaagcacia aataaaaat 89

<210> 79  
<211> 284  
<212> DNA  
<213> Homo sapiens

<400> 79  
gtttaccgaa ggcaccagtt cagccaggag tgaaatccgg agaggagcaa cgccagcctg 60  
ggtcacagtc catcaaacc catgagcccg accactctcg ctcttcctta cattcccacg 120  
tcccccttct ctccaaccc ctcatatcag caagggaaat taattaatga gatttgataa 180  
atcagtagat agaatgaggt cccccctttg aaatatttag cagactggaa cccccccgca 240  
agcctctgta ggggggtggat ggagacactt ctaactttaa taaa 284

<210> 80  
<211> 46  
<212> DNA  
<213> Homo sapiens

<400> 80  
ctggaggagt gagtccctat gctgacccca atacttgtag aggtga 46

<210> 81  
<211> 230  
<212> DNA  
<213> Homo sapiens

<400> 81  
gcattcacac atgtgcatgc tcacacagag acggttctgg agttgtggag ggaagcctgc 60

# ADL\_0311WP\_Sequence\_Listing

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ccgccttcc ggccccactc cctgaacctc cagctctctc catggcccc ctcacctgct 120
cgggctgggc cggggccttag ggcgagaggc aggggcaggg actttcaggg atccggcagt 180
ctcagtgatg agagcacacc agctggggag aaaggccaaa tccctgggca 230

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<210> 82
<211> 298
<212> DNA
<213> Homo sapiens

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<400> 82
aggattcctt cttgtgttta agcaggagca ggcagaaaag cctaacaacc cccgtctttc 60
ccatcggcag cccacgccc atcatcacac aaggcccaa ggatgggaaa gagaaaagct 120
agaaggaccc aggggcctcg ggactacagg aagagtggaa agttacagac tgtaaataga 180
gtcgggtagg cttgtgccct tccttatttg tccggttctt tcatttgctg cttctgttta 240
agctcaaggg tcagtcacca tgaaatgaat ttgcacctcg gtttctcttt aggctcca 298

```

```

<210> 83
<211> 278
<212> DNA
<213> Homo sapiens

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```

<400> 83
ctcagagaag gaaaggttgg ccaaagacac atccaggagg ggaacagaag gaggggacag 60
aagcaagtct gcagatcaga ggaaagaaga aagagcagag gagggagatt ggaagtagaa 120
atgctgaatg cagaggcaaa aaaggaaaat gaaggacagg aggattaaac agacagaggc 180
aaggatgatg agagaggagc agacagcaag aatgaaaagc agaaaataca atagaggaaa 240
tgaagaaaag taggcctgct ggagctagat gatgatgt 278

```

```

<210> 84
<211> 218
<212> DNA
<213> Homo sapiens

```

```

<400> 84
gggcccattg attaacgccc tcatcccaag gtccgtccca tgacataaca ctccacaccc 60
gcccagcca acttcatggg tcactttttc tgaaaaataa tgatctgtac agacaggaca 120
gaatgaaact cctgcggctc tttggcctga aagttgggaa tggttgggga gagaaggcag 180
cagcttattg gtggctcttt caccattggc agaaacag 218

```

```

<210> 85
<211> 179
<212> DNA
<213> Homo sapiens

```

```

<400> 85
gggaaactct gtcactactg aaaatacaaa agtacaaaaa aaaaaaaaaa attagctggg 60
catggtggtg caagcctata ctcccagcta ctcaggaggc tgaatttgga ggatcccttg 120
agcccagggg ggttgaggct gcattgaggt ataattttgc cactgtattt cagcctggg 179

```

## ADL\_0311WP\_Sequence\_Listing

<210> 86  
 <211> 146  
 <212> DNA  
 <213> Homo sapiens

<400> 86  
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 ctgaggatga gctggaagga gtgagagggg acaaaaccca ccttggttga gcctgcaggg 120  
 tggtgctggg actgagccag tcccag 146

<210> 87  
 <211> 166  
 <212> DNA  
 <213> Homo sapiens

<400> 87  
 gggcctcggg actacaggaa gagtggaaag ttacagactg taaatagagt cgggtaggct 60  
 tgtgcccttc cttatttgct cggttccttc atttgctgct tctgtttaag ctcaagggtc 120  
 agtcaccatg aaatgaattt gcacctcggg ttctctttag gctcca 166

<210> 88  
 <211> 217  
 <212> DNA  
 <213> Homo sapiens

<400> 88  
 gagagctctg cctagtctgg tttggcgagg gcccttgatc accttgcccc tcctccctgt 60  
 cttctctgat tcttttcctt caaaatagtc ctgagaacta attgtcacag acattggaat 120  
 atttgactg ctctcgtgcc atttgagagg ctgctgcccc aggcaggcca gccctactc 180  
 ctcttggtta cactcatggt gctcagacta tattttca 217

<210> 89  
 <211> 211  
 <212> DNA  
 <213> Homo sapiens

<400> 89  
 ctgggaactg gcactgggtc gcttttggga ttacctgcgc tgggtgcaga cactgtctga 60  
 gcagggtgcag gaggagctgc tcagctccca ggtcaccag gaactgaggg cgctgatgga 120  
 cgagaccatg aaggagttga aggcctacaa atcggaactg gaggaacaac tgaccccggt 180  
 ggcggaggag acgcgggcac ggctgtccaa g 211

<210> 90  
 <211> 94  
 <212> DNA  
 <213> Homo sapiens

<400> 90  
 gatgaagagg gctgattgta tctaacttag ggtcttgcag gcagctggca cttaatgcat 60  
 tttattgact gtttttagcta acattcaatg gaca 94

# ADL\_0311WP\_Sequence\_Listing

<210> 91  
 <211> 197  
 <212> DNA  
 <213> Homo sapiens

<400> 91  
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 gaagagagga agaaaacaaa gggcatgtgt gaggggaagct gcttgggtgg gtgttagggc 120  
 tatgaaatct tggatttggg gctgaggggt gggagggagg gcagagctct gcacactcaa 180  
 aggctaaact ggtgtca 197

<210> 92  
 <211> 39  
 <212> DNA  
 <213> Homo sapiens

<400> 92  
 aagctgagaa actacctgag gtgtctaaag aaatgtatt 39

<210> 93  
 <211> 212  
 <212> DNA  
 <213> Homo sapiens

<400> 93  
 ggaattaagg ctattactct gaagaaagt ggggggccag ggctcctatt tttttgctga 60  
 ggagatggaa gatcagggct tgtattcaat aagaatggga ggggccaggg gatgcctggc 120  
 aaaagccttg cactgtgagg tgcaggtaga ggcttttatt ctggtgagag gacatggact 180  
 ctctctctcc cctcaggtaa ctgtgccctg ta 212

<210> 94  
 <211> 104  
 <212> DNA  
 <213> Homo sapiens

<400> 94  
 actccgcagg ggctgtgaat cccactggga gggcggcggg cctgcagccc gaggaaggct 60  
 tgtgtgtcct cagttaaaac tgtgcatatc gaaatatatt ttgt 104

<210> 95  
 <211> 251  
 <212> DNA  
 <213> Homo sapiens

<400> 95  
 ggagttctac gggatctgag agaaaaacca tgaggaaagt tttcaggatc cttaaacaat 60  
 ttttgagcgt tgtgatgtgg gggactggaa aagatgtgga gtatgtaaaa gggattttgg 120  
 aagaagcttt tggaatatga tgctgagagt cctctggaga tttcaggcaa ttgctggaga 180  
 tttttagaat gagtgggggt ggggaagggg atcccgggtga agatcactgg gctacatgag 240  
 ggtgatctct a 251

<210> 96

# ADL\_0311WP\_Sequence\_Listing

<211> 155  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 96  
 ggagcggcgc aaggagagac aggaagccct ggaggctaaa cttgaggaaa aaaggaaaaa 60  
 ggaagaagag aaacggttaa gagaagaaga gaagcgcatt aaagcagaga aggccgaaat 120  
 cacgaggttc ttccagaaac caaagactcc acagg 155  
  
 <210> 97  
 <211> 220  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 97  
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 aggaacaac cactggccca gggtagagat gcctacaggg tggttgcttg ttggatacaa 120  
 tacaaggaac actgctcaga acccacgtct tcagcagcat ttgaaacact ggcagcaatg 180  
 cacaagagca agatggtgtc aggaaccatg tcaaaccctc 220  
  
 <210> 98  
 <211> 119  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 98  
 taagctttta agcatcatga agaacaattt atgttcacat taagatacgt tctaaagggg 60  
 gatggccaag ggggtgacatc ttaattccta aactacctta gctgcatagt ggaagagga 119  
  
 <210> 99  
 <211> 103  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 99  
 gcctggagcg tgagcccaga cccaactcca gccccagccc cagccccggc caggcctctg 60  
 agaccccgcga cccacgaccc tcataataaa cacgtcgatt ctg 103  
  
 <210> 100  
 <211> 122  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 100  
 tatgtgccaa atctactaga cattggagaa acagtaggaa caacacatgg taccggcaca 60  
 tggatctttc aggaaaacga agtaggtaat aaacaggaaa aagcccgagt ctgatgctaa 120  
 ga 122  
  
 <210> 101  
 <211> 93  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 101

# ADL\_0311WP\_Sequence\_Listing

ctgcctgtat cctcattggt gggagcccag ccatggccct aattgtgcct gagcttgact 60  
ttcagtcagg gccacagtga gcattaaatt att 93

<210> 102  
<211> 70  
<212> DNA  
<213> Homo sapiens

<400> 102  
ggagttaaat gtagtgcttt ccaggatagt tccttccata ctccttctgt tcctttcatt 60  
gtgcccctct 70

<210> 103  
<211> 238  
<212> DNA  
<213> Homo sapiens

<400> 103  
cagccgtttc cctgcagaat cagctctgtc tcatgtggaa gtggagaatc agccttgccct 60  
ggccttttagg aacttttgtg gggaagagag ctttgaagag aggaggggga ctttagagag 120  
ggatgaaaat gagccctggg agggaggaag ggacgaggag gggtggtctg atgttaccgt 180  
cccctacctc tccccacgtg gaggggtggag cagttatgag ggaggaagtc aactgctg 238

<210> 104  
<211> 269  
<212> DNA  
<213> Homo sapiens

<400> 104  
caggcattcc tttctatcga taattactct ttcaaccaat tgccaatcag aaaattgtta 60  
tatctaccta taatctagaa gccccacat caagttgttt tgcctttctg gacaggacca 120  
atgtatatct taaatgtatt tgattgatct ctcattgtct cctaaaatgt ataaaaccac 180  
gctgttcccc gaccacctgg agcacatgtt ctcaggggtct cctgagggct gtgtcacagg 240  
ccatgttcac ttacatttgg ctccagaata 269

<210> 105  
<211> 291  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (258)..(258)  
<223> n is a, c, g, or t

<400> 105  
gggtcagaaa gatgccttca gttttggtca gtgtctaaaa gttaagtctg tttaggccaa 60  
gcatggtggc tcacgcctga aatcccagca cttggggagg ccgaggcaag tggatcacia 120  
ggtcaggaga tgagaccatc ttagccaaca tggtgaaacc ccgtctctac taaaatacaa 180  
aaaaattagc caggcgtggg ggtgcgtgcc tataatccca gctacttggg aggctgaggc 240

ADL\_0311WP\_Sequence\_Listing  
 aggggaatcg cttgaacncg ggaggcagag gtcacgccat ggactccagc c 291

<210> 106  
 <211> 36  
 <212> DNA  
 <213> Homo sapiens

<400> 106  
 cgcaccattg cactagtgat aagatcgaaa ctccat 36

<210> 107  
 <211> 243  
 <212> DNA  
 <213> Homo sapiens

<400> 107  
 tttgaaatca ccatgtctga taaaaacatg caattgcttt ggtgaatttg tttgttttat 60  
 tgttggtgct ttgagtgaat gcttcagttt gctctagatt ttactttggt tgtaaaaaat 120  
 taccatgttt taacccccga aaacatttaa tgtttttgaa atgatttttt cataacaatc 180  
 ttatgagtct attatataat aggaagtatt ttggaaattt aatggtgata tttctttgga 240  
 aaa 243

<210> 108  
 <211> 220  
 <212> DNA  
 <213> Homo sapiens

<400> 108  
 tgtgcacagg agactcagga cagtgggggg aaaagtcact tctccacata agaggctcaa 60  
 atcccaacgc caccctccgt cagaccctt tggccccagc tccgaccctt ccagggttta 120  
 ccaagttggg ctttcacagc atgtctgagc aaacacgcag cgacctttta cataattgca 180  
 acctcctcca gagaggagag aggccacatt ctctcggccc 220

<210> 109  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (116)..(116)  
 <223> n is a, c, g, or t

<400> 109  
 taacggagtg tcactttcaa ccggcctccc ctacccttgc tggccgggga tggagacatg 60  
 tcatttgtaa aagcagaaaa aggttgcatt tgttcacttt tgtaaatattg tcctgngcct 120  
 gtgttggggt gttgggggaa gctgggcatc agtggccaca tgggcatcag gggctggccc 180  
 cacagagacc ccacagggca gtgagctctg tcttccccca cctgcctagc ccatcatcta 240  
 tctaaccggt ccttgattta ata 263

<210> 110

## ADL\_0311WP\_Sequence\_Listing

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<211> 278
<212> DNA
<213> Homo sapiens

<400> 110
catgcacaga tggccacatt ctgcctccat ccactcaatg ccaacaggca cgattcctcc      60
accgacaacg ctcaaggcca caggggccac ccacacagcg ccaacaatga cgctgaccac      120
cagcggggacc agccaagccc tgagctcatt aaacacagcc aaaacctcta catccctaca      180
ttcacacact tcctccacac accatgctga agccacctca acttctacca ccaacatcac      240
ccccaacccc accagtacag gaacccccacc aatgacag                                278

<210> 111
<211> 107
<212> DNA
<213> Homo sapiens

<400> 111
ccccattatg tcatgacctc acttaagtgg aacactatat cataaccag agattcgtcc      60
cagccccaga gtccgacaga ctgtctgggc cctattccta atgaggg                                107

<210> 112
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (65)..(99)
<223> n is a, c, g, or t

<400> 112
cacatctggc ctgacgttct cgttgcatca agccatcatc caccggggcgc ccctggacgc      60
gcgtnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna atgctgaccc actcagtaga      120
gcagggggcca gccagagggg gacgaagtca ccaatccagg caccaccttc ccacatgtcc      180
ctgcaacttc tctctttcca gtgtgctgaa gaagggaggt gccacccctc ctccagataa      240
atggccccag aaaacgatcc aaaaaaatac ccagggagcg attccttatg ta                                292

<210> 113
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<400> 113
gatgatcaac tctgctagga agcgggggtgg gaagaaggga ggggatgggg ttgggagagg      60

```

# ADL\_0311WP\_Sequence\_Listing

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| tganggcang | attaagatcc | ccactgtcaa | tgggggattg | tctcagcccc | tcttcccttc | 120 |
| ccctcacctg | gaagcttctt | caaccaatcc | cttcaca    |            |            | 157 |

<210> 114  
 <211> 236  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 114  |            |            |            |            |            |     |
| gcagtctcag | acaccaagga | ggggagagtg | actagaaaga | aaaccttctt | gcagagacat | 60  |
| aggggatggg | gaagaactgc | agactgaact | ggggcaaagg | actgtaggac | ttaaccagag | 120 |
| agatttgagg | gagagatgag | gctgagagcc | aggggatcct | gccatgtccc | agcataaaaa | 180 |
| cagtacctga | cacagatagg | tgcttgggaa | gctgttgctg | gatgaatgag | tggaca     | 236 |

<210> 115  
 <211> 137  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 115  |            |            |            |            |            |     |
| aagctggcaa | ctggtgagag | tatagcagtc | aaaaaaagaa | aatgctcact | cttagatacc | 60  |
| taagaattca | aagcgtttca | acctagagca | accactaaaa | aacctgcaca | gagatgacag | 120 |
| tcaatattac | aatagag    |            |            |            |            | 137 |

<210> 116  
 <211> 65  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |          |            |            |    |
|------------|------------|------------|----------|------------|------------|----|
| <400> 116  |            |            |          |            |            |    |
| agcccagcag | atcctacaca | cattttcaca | aactaacc | agaacaggct | gcaaacctat | 60 |
| accaa      |            |            |          |            |            | 65 |

<210> 117  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

|            |            |            |            |            |            |     |
|------------|------------|------------|------------|------------|------------|-----|
| <400> 117  |            |            |            |            |            |     |
| tcactttcct | ggattgtcac | tgtgagtgt  | attccggttg | gctggaaccg | cttttgga   | 60  |
| ggattgggag | agatgaaaca | gcagtttgt  | gtcctgttat | agacacaatt | gattggaata | 120 |
| cttttgaatt | ctatatgcag | ataggggagc | ccatgattgg | tgggtttgac | tggcgtttag | 180 |
| catttcagtg | gcattctgtc | cccaaacagg | aaagggacag | gcggatatca | agaattgacc | 240 |
| ccatcagatc | acctaccatg | gctggagga  |            |            |            | 269 |

<210> 118  
 <211> 225  
 <212> DNA  
 <213> Homo sapiens

<400> 118

# ADL\_0311WP\_Sequence\_Listing

|                                                                     |     |
|---------------------------------------------------------------------|-----|
| tagtgttttg ccctaaatct aaggatgggtg cctagtgggtg gccctgtgtt ctgaggacag | 60  |
| agagagctgg aggggtggag gggaatgcat cggcactcat ttggtgtaac caagaagagg   | 120 |
| gggaaagatg tcttgataga atcaaagttg ccaaaaacaa agaagagtct atcaagcaga   | 180 |
| tttctaacat ttagctagaa actacttcat agctctcatt tttag                   | 225 |

<210> 119  
 <211> 61  
 <212> DNA  
 <213> Homo sapiens

|                                                                   |    |
|-------------------------------------------------------------------|----|
| <400> 119                                                         |    |
| cactaccgcc ccgcgctggc ttgccctcct gttctccaga gcaataaagt tggacgagac | 60 |
| t                                                                 | 61 |

<210> 120  
 <211> 36  
 <212> DNA  
 <213> Homo sapiens

|                                          |    |
|------------------------------------------|----|
| <400> 120                                |    |
| gagagccacc acaagactaa gttaaagaccg agttga | 36 |

<210> 121  
 <211> 35  
 <212> DNA  
 <213> Homo sapiens

|                                        |    |
|----------------------------------------|----|
| <400> 121                              |    |
| gaataaatgg gggtgggcat atcaaactaa agatg | 35 |

<210> 122  
 <211> 260  
 <212> DNA  
 <213> Homo sapiens

|                                                                     |     |
|---------------------------------------------------------------------|-----|
| <400> 122                                                           |     |
| ttctctgcat cggtcagggt agtgatatta acagcgaaaa gagatttttg tttaggggaa   | 60  |
| agtaattaag ttaacactgt ggatcacctt cggccaaggg acacgactgg agattaaacg   | 120 |
| taagtaattt ttcactattg tcttctgaaa tttgggtctg atggccagta ttgactttta   | 180 |
| gaggcttaaa taggagtttg gttaaagattg gttaaagagg gcattttaaga tttgccatgg | 240 |
| gttgcaaaaag ttaaactcag                                              | 260 |

<210> 123  
 <211> 285  
 <212> DNA  
 <213> Homo sapiens

|                                                                     |     |
|---------------------------------------------------------------------|-----|
| <400> 123                                                           |     |
| caaataataca aaatgcctcc aagctcaaata agctataact gtaccaaaga catggaagaa | 60  |
| accaaagat cggacccgaa ccaactgaaga gatgttagag gcagaattgg agcttaaagc   | 120 |
| tgaagaggag ctttccattg acaaagtact tgaatctgaa caagataaaa tgagccaggg   | 180 |
| gtttcatcct gaaagagacc cctctgacct aaaaaaagtg aaagctgtgg aagaaaatgg   | 240 |

## ADL\_0311WP\_Sequence\_Listing

agaagaagct gagccagtac gtaatggtgc tgagagtgtt tctga 285

<210> 124  
 <211> 39  
 <212> DNA  
 <213> Homo sapiens

<400> 124  
 ccgcaggcag gtgtcaggac cggcctaata aacatgtgt 39

<210> 125  
 <211> 266  
 <212> DNA  
 <213> Homo sapiens

<400> 125  
 aaatgtgact gctttgtaaa actccagagt caaggactca taggcaggag gatgtcataa 60  
 attaacagga aaggatgaga aatctccact ccactccctc ctccctccct tgatcactca 120  
 ttccctctct tccattcatt aaccacccac tacatgccat gccctaagga agcagctatc 180  
 taagaagtcc ctgcctgcag gggctttaca gaccaggagg aaggcaacc atagagccag 240  
 gatcctgata accactgctg actgcc 266

<210> 126  
 <211> 159  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (42)..(42)  
 <223> n is a, c, g, or t

<220>  
 <221> misc\_feature  
 <222> (56)..(56)  
 <223> n is a, c, g, or t

<220>  
 <221> misc\_feature  
 <222> (90)..(90)  
 <223> n is a, c, g, or t

<220>  
 <221> misc\_feature  
 <222> (93)..(93)  
 <223> n is a, c, g, or t

<220>  
 <221> misc\_feature  
 <222> (98)..(98)  
 <223> n is a, c, g, or t

<220>  
 <221> misc\_feature  
 <222> (100)..(100)  
 <223> n is a, c, g, or t

<400> 126  
 aaaccctgga agaatctttc acttgaactc aacttgactg gngttcagtc aaccantctc 60

# ADL\_0311WP\_Sequence\_Listing

aggggaaggg ggggaagcact atctccacan cancactnan tctgggcctc ccgccccatc 120  
tccccagacc cctctcagca actaggccag gcttcagct 159

<210> 127  
<211> 262  
<212> DNA  
<213> Homo sapiens

<400> 127  
gcagggctgc cggagcgtcg aggagttcca gtgcctgaac aggatcgagg agggcaccta 60  
tggagtgggtc tacagagcaa aagacaagaa aacagatgaa attgtggctc taaagcggct 120  
gaagatggag aaggagaagg agggcttccc gatcacgtcg ctgagggaga tcaacaccat 180  
cctcaaggcc cagcatccca acatcgtcac cgttagagag attgtgggtg gcacacatta 240  
tggaggcgca gtcgcctacg ca 262

<210> 128  
<211> 59  
<212> DNA  
<213> Homo sapiens

<400> 128  
aggagtcagg agaacaagtc agggattagg agacagcggg ttgggtttatt gttatccag 59

<210> 129  
<211> 267  
<212> DNA  
<213> Homo sapiens

<400> 129  
aataattctc aatttcttag tctcttaatt cttaaattta aaaaggttgt ttcttacctt 60  
ttaaaatttt taaaaataat tatgtcaagt aatttttgaa tatagtaacc tgattctaca 120  
tttctcatgg gataaattct aaggtaaaaa aaattgcaaa taaatcttaa actttattta 180  
gtaggtttat tattagcagc agatgtctag ccagggtaga ttacttttat cagaccaacc 240  
tctaccaaac aactactaga agagcta 267

<210> 130  
<211> 129  
<212> DNA  
<213> Homo sapiens

<400> 130  
ctgggaaatc cagtgtttgt atgtaaaaat aaaaggtaag ttaattctag attgaggggc 60  
agaggctatt tcttaatctc caatctcctt ggggaaggga agtattagga ggcagtaatg 120  
gagtagaaa 129

<210> 131  
<211> 276  
<212> DNA  
<213> Homo sapiens

<400> 131

ADL\_0311WP\_Sequence\_Listing

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| ggtacactgg gcacgcaatg cgctgtgtag tagccaaata gtaaaagggc cgtatttcaa  | 60  |
| cagcgactcc aagacaactg gcgttgccca ttctcagtct ccggcctatc ctacacatct  | 120 |
| aatacccggc tacaatataa agctatagta aagggttcacg gggctctttc gtcccgttgc | 180 |
| gggtaatcgg catcttcacc gatactacaa tttcaccgag ctcgcggttg agacagtgcc  | 240 |
| cagatcgta caccattcgt gtatggacgg gctctg                             | 276 |

<210> 132  
 <211> 71  
 <212> DNA  
 <213> Homo sapiens

|                                                                  |    |
|------------------------------------------------------------------|----|
| <400> 132                                                        |    |
| ggacagcagc cactcagttc ttctccacc tccacccagt gatcccaata aacgaattct | 60 |
| gtctccccgt g                                                     | 71 |

<210> 133  
 <211> 279  
 <212> DNA  
 <213> Homo sapiens

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| <400> 133                                                         |     |
| acagatggcc acattctgcc tccatccact caatgccaac aggcacgatt cctccaccga | 60  |
| caacgctcaa ggccacaggg tccaccaca cagcgccaac aatgacgctg accaccagcg  | 120 |
| ggaccagcca agccctgagc tcattaaaca cagccaaaac ctctacatcc ctacattcac | 180 |
| acatttctc cacacaccat gctgaagcca cctcaacttc taccaccaac atcaccccca  | 240 |
| aaccaccag tacaggaacc ccaccaatga cagtgacca                         | 279 |

<210> 134  
 <211> 237  
 <212> DNA  
 <213> Homo sapiens

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| <400> 134                                                         |     |
| tagtacctgc ctcatcagc taacgtgagg atctagagca gcatttgcatt aaatgacgcg | 60  |
| tggggcacag agcagactca acacagagca gcttacgtta tgaggcttgg caggctggga | 120 |
| gctcctgtcg gcctctctcc tcagctctgt gccactgag ctcggcaca gggttggccc   | 180 |
| atgacaggtg ttattatgt ggaaataaat gagagggaca agacatttgc tgatttc     | 237 |

<210> 135  
 <211> 170  
 <212> DNA  
 <213> Homo sapiens

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| <400> 135                                                         |     |
| gcctcatcag ggaattgtaa gatttagggg gaggtgtggg aaatcttact ctttgccta  | 60  |
| aagtattcag cgatcagaat tctggatacc ctgcaaaaca cctccaacct ccctgccttt | 120 |
| gaaccctgtg ttaacaatga gaagcttggt tatttgaagg ctgggttctc            | 170 |

<210> 136

## ADL\_0311WP\_Sequence\_Listing

<211> 292  
 <212> DNA  
 <213> Homo sapiens

<400> 136  
 ggacagatga agactcttaa gatgacagaa ggtgattttt ctggtgatcg aggacttccg 60  
 gggtaatgac agtgatgaaa tgcaggggac ctggttgccc ccaagtttcc tggcagtgtg 120  
 tgatactgag gaggtgagct tgtttctgga gctgtgcttt aagattcatg ttacatgtaa 180  
 agctgtcctc atttgtgact atggacctat ggagttggga caatctctat gggaagcaga 240  
 aggcaaggac cccggtcatt ttaggtagaa acaacagcat gctaatagcaa aa 292

<210> 137  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 137  
 aagagagaag cttctgcacg ccagaggcac ccagtccac aggcgctac ctgccccgga 60  
 taagaggttc cctgccattt ctctagtctc ccccttcaa cagcacacca aataagccca 120  
 agaagatgac aggaaccgtc cccgccaaact tcacacgagt gctaaggcga agacagccat 180  
 cttgggcctt cgga 194

<210> 138  
 <211> 202  
 <212> DNA  
 <213> Homo sapiens

<400> 138  
 tgcctgatgc ctcaggtgac agaaggcagg acgttccatg ccgaggctgc cccctcacc 60  
 agaagtctga gcccagcctc aggaggggccc aagaaccagg gggccatcaa aagcatcggg 120  
 atttggcatt ggttccagat gagcttttaa agcaaacata gcagttgttt gccatttctt 180  
 gcactcagac ctgtgtaata ta 202

<210> 139  
 <211> 86  
 <212> DNA  
 <213> Homo sapiens

<400> 139  
 gccccaacct gggattgctg agcaggggaag ctttgcattg tgctctaagg tacattttta 60  
 aagagttgtt ttttggccgg gcgcag 86

<210> 140  
 <211> 199  
 <212> DNA  
 <213> Homo sapiens

<400> 140  
 accaaagtgt gcagcctata cctcaataaa acagggatat tttaaatac atacctgcag 60  
 acaaactgga gcaatgttat ttttaaaggg tttttttcac ctccttattc ttagattatt 120  
 aatgtattag ggaagaatga gacaattttg tgtaggcttt ttctaaagtc cagtactttg 180

## ADL\_0311WP\_Sequence\_Listing

tccagatttt agatttctca 199

<210> 141  
 <211> 297  
 <212> DNA  
 <213> Homo sapiens

<400> 141  
 attgattcct gaccatagca gtgagaggcc attttttgtg caggaaatgt gcttaggact 60  
 cagtcttgtt ttcgattatc caccacagaa accctgagac acagagcagc ttagaagtct 120  
 ctaccagggc gtaaataagag ctccctactc cagaccacct gccacccacc tccaagtgtg 180  
 agaacacaag ctccagctgg gctggagagt caggcttggg gcagggtgac ttggcggaag 240  
 tttgtcaga tccataaagc aaactggaat ttgagctttc acttacccta gtatacg 297

<210> 142  
 <211> 110  
 <212> DNA  
 <213> Homo sapiens

<400> 142  
 ttctttccac agaagctcca ggtagagggt gtgtaagtag ataggccatg ggcactgtgg 60  
 gtagacacac atgaagtcca agcatttaga tgtatagggt gatggtggta 110

<210> 143  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (92)..(115)  
 <223> n is a, c, g, or t

<220>  
 <221> misc\_feature  
 <222> (118)..(118)  
 <223> n is a, c, g, or t

<400> 143  
 tgagttgttt gttcaccagt gatgctatgt tatgcatttg tttacatctc ataacatgtg 60  
 gtaaataattt atgcaagatg gctagccaga cnnnnnnnnnn nnnnnnnnnnn nnnnnncancc 120  
 gtgaaataga gaatgcaggg tgacccatgt aaacaggcta gagatacatt tgaaaaagat 180  
 gaggggttaa gagtgtgtac atgttggcag gtaaagagat agcatcctct agggaggata 240  
 ttatcaggag tcagagtaat cttggtaaa 269

<210> 144  
 <211> 106  
 <212> DNA  
 <213> Homo sapiens

<400> 144  
 aatcattgat tgacttgtct gtgaacttgc aggaactgtt tcatagtttc attacacaga 60

gtaaactggtt tgccatgcaa gggtattttg catctgcatt taagtg 106

<210> 145  
 <211> 184  
 <212> DNA  
 <213> Homo sapiens

<400> 145  
 gacattaact cattagactg gaacttgaac tgattcacat ctcatttttc cgtaaaaatg 60  
 atttcagtag cacaagttat ttaaactctgt ttttctaact gggggaaaag attccccacc 120  
 aattcaaaac attgtgccat gtcaaacaaa tagtctatca accccagaca ctgggttgaa 180  
 gaat 184

<210> 146  
 <211> 247  
 <212> DNA  
 <213> Homo sapiens

<400> 146  
 gtatgtgaaa gtctctatatt gtgtatttct ctcctaaagt tgtgtctctt tgggaattgg 60  
 atttgatttt tattatttaa tacctcactt tggcccgtcc cccctccaa cacttctgta 120  
 tcctcgccct gccgccccag cctggacgct ctgctgtgaa gtgctgtgtt gtagcagctc 180  
 gggcctcatc tcagcgtctg gatccctcct gctgccagaa tccactggcc tctgtctcat 240  
 tcttggg 247

<210> 147  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 147  
 tccctcagga agcagtcccc tcgtctccct ttctgggcag cttccttgag gacagaaact 60  
 tgaaaacaaa cacaaccaa agtttctggc catctgtggc tggaggggtc tgaatgtcct 120  
 ctctccatgt caggcagagg gtcagcccc atgcttctgc ctcaggcccc accccacccc 180  
 accccaggcc tgccccctac ctcagggccca taccacagc gccctgatgg aggaaccaga 240  
 ccgcaggctg tgccaccatt aaacaagagc ggctgtg 277

<210> 148  
 <211> 32  
 <212> DNA  
 <213> Homo sapiens

<400> 148  
 aaggaggcag atgagatttc atatcaaaaa ga 32

<210> 149  
 <211> 174  
 <212> DNA  
 <213> Homo sapiens

<400> 149  
 tgacttctac ctcccatggt tgctctccca actcattagc tcctgggcag catcctcctg 60

# ADL\_0311WP\_Sequence\_Listing

agccacatgt gcaggtactg gaaaacctcc atcttggtc ccagagctct aggaactctt 120  
catcacaact agatttgctt cttctaagt tctatgagct tgcaccatat ttaa 174

<210> 150  
<211> 37  
<212> DNA  
<213> Homo sapiens

<400> 150  
ccaccgtaaa gtactgcgcg acaatatcca gggcatc 37

<210> 151  
<211> 248  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (223)..(223)  
<223> n is a, c, g, or t

<400> 151  
gtggaataag ttctcctagc tcagaaggat ctcaacctct tgcaagttac ttttcacttt 60  
taagggccct taaagaagca ttgcttagc tctgtatcca ggccatctct ccctccccga 120  
agagcaacag accagcaact gacattaagg tcacatgggt ggggtggggag tagaattgctg 180  
ggggtgacag ttccagccaa tccagacacg aatcatgttt ganggacccg agcctcaagg 240  
gtgattcc 248

<210> 152  
<211> 39  
<212> DNA  
<213> Homo sapiens

<400> 152  
agacatatga caatgttcag caggtcatct ttaatgcag 39

<210> 153  
<211> 53  
<212> DNA  
<213> Homo sapiens

<400> 153  
acgaaagcgc aagaaatccc ggtataagtc ctggagcgtt ccctgtgggc ctt 53

<210> 154  
<211> 215  
<212> DNA  
<213> Homo sapiens

<400> 154  
cctcgtggat catcaaggac gacgcggagg tggagcggct gacctgtgag gaggaggagg 60  
agaagatgtt cggccgtggc tcccgccacc gcaaggaggt ggactacagc gactcactga 120  
cggagaagca gtggctcaag gccatcgagg agggcacgct ggaggagatc gaagaggagg 180

tccggcagaa gaaatcatca cggaagcgca agcga 215

<210> 155  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 155  
 tagggtttct ctccactatg aatgatctga tgtatagtaa gggtcgaaga ccacttaaaa 60  
 attttgccac aatctttgca ttgttagggg ttgtctccag tatgaactat gttatgttga 120  
 gtaaggcctg aggaatagta aaaagctttg ccacattctt cacatttata gggtttctct 180  
 caagtatgaa ttcttttatg ttctttcagt tttaggagatt ttctaaaggc tttgccacat 240  
 tcatcacatt tgtaggggtt ctctcccata tgaataa 277

<210> 156  
 <211> 125  
 <212> DNA  
 <213> Homo sapiens

<400> 156  
 actggagggg ctccgggcac actctggccc ttcccagaaa gggggtcgtt tttctcgaat 60  
 cttcaaccag ttgtgtattg gaaactaggg cgcatTTTtac tattgatcac agtcattata 120  
 ttgtt 125

<210> 157  
 <211> 151  
 <212> DNA  
 <213> Homo sapiens

<400> 157  
 ttcggaataa gggaagactg tctctgaaga aggaggaagt gtagcttatg ggaggctgag 60  
 gagtttggag tttctccttg tgggaagggt ggagccatgg aggctgaaga cagttgtcca 120  
 actcagggca tacaattga tgaggaactc a 151

<210> 158  
 <211> 233  
 <212> DNA  
 <213> Homo sapiens

<400> 158  
 aggacctcag agatgtaagc attttagcag ccacacaaaa tctctggcta tgaaagggac 60  
 ttcatgacca tccagtccaa tataacactt gcagacagag aaactgaggt cttccatgac 120  
 ttgcctagtc tcccagctag tttagaggcaa aactggattc ccactctggt attctttctt 180  
 ctttttacat cttttccct cttttaaaat gtcctgagag accagaactc aca 233

<210> 159  
 <211> 169  
 <212> DNA  
 <213> Homo sapiens

<400> 159  
 actaaagaca ttaagcattt gcacttaatt gggacttctg ggaaagaagt gtgtagggtg 60

# ADL\_0311WP\_Sequence\_Listing

gcattaaagg tacttcttac actgcatggt ctgtaaggac agcaaaatac atctatatag 120  
gttcactggt aaattctcga ggactaatgg atccgcatgt gaaaagtaa 169

<210> 160  
<211> 123  
<212> DNA  
<213> Homo sapiens

<400> 160  
tgagccccgt gcctggcctg gtcatttctc ttgctgtgcc caacctgcca ttaatcccat 60  
ccatcctgag cccgacgtgg tcatttctct caccacccag cataccgccc aacgtggtcc 120  
ttt 123

<210> 161  
<211> 274  
<212> DNA  
<213> Homo sapiens

<400> 161  
taagtactta agtcctgtct ccttggccaa gccagactag gccaacacc ctcaattcac 60  
cctggctcca aagagggcaa aagcaactct ctttctctaa ggccagggaa gtatctacca 120  
caatctctga aacctgtgaa cttttctgtg ggcctgtagt ttcaagtccc accttaactg 180  
tccttaaaaa aaaaaccaa caatgaccta cctaattccat ctaatttctc aactaactgc 240  
caccatctct actatatcca cctgcatcct attt 274

<210> 162  
<211> 53  
<212> DNA  
<213> Homo sapiens

<400> 162  
taggcttagc ttgatttctg ggcccactgt ctgtgttctt aagatgcaa cct 53

<210> 163  
<211> 169  
<212> DNA  
<213> Homo sapiens

<400> 163  
tatgatgcac agttcgtgtc aacaggaaat gatggatgtc aagcaattca ttggtaaact 60  
cctacctcca attgattgac gtcactaaga ggccttgtgt agaagtacac cagcatcatt 120  
gtagtagagt gttaaaccctt tcccatgccc agtcttcaaa tttctaattg 169

<210> 164  
<211> 260  
<212> DNA  
<213> Homo sapiens

<400> 164  
cagctgggcc ctggctgatg tcatgagcca actcaagaag aagagggcag ccactacatt 60  
agatgagaag attgagaaag ttcgaaagaa aaggaaaaca gaggataaag aagccaagtc 120

ADL\_0311WP\_Sequence\_Listing

|                                                                     |     |
|---------------------------------------------------------------------|-----|
| tggaagttg gaaaaggtag aaagaagcaa aggaaggctc tgaaccaaag gagcaggaag    | 180 |
| accttcaaga gaatgatgag gaaggctcag aagatgaagc ctcggagact gactactcat   | 240 |
| cagctgatga gaacatcctc                                               | 260 |
| <br>                                                                |     |
| <210> 165                                                           |     |
| <211> 239                                                           |     |
| <212> DNA                                                           |     |
| <213> Homo sapiens                                                  |     |
| <br>                                                                |     |
| <400> 165                                                           |     |
| aaccactcc aattaggcat tgctccact cctccccatc agtgctctca caaggtcacc     | 60  |
| agtggcttct acattgccaa tctagcgatc aaatctcagt aagtgtcatt tgatataact   | 120 |
| gatctttcac ttctcttttg aaacccccatc atgtgggtttc caggaccaca cactccctcc | 180 |
| ctctcctcct gccatgggtg tcagtctcca gggctctccc taacctccat gtgtaagaa    | 239 |
| <br>                                                                |     |
| <210> 166                                                           |     |
| <211> 278                                                           |     |
| <212> DNA                                                           |     |
| <213> Homo sapiens                                                  |     |
| <br>                                                                |     |
| <400> 166                                                           |     |
| tgcccattct ccaaaaagca cgtgcccagc cccaatccc ctctatatct cagctgaagc    | 60  |
| atcacctcca ttaatgaagc ctagtccttt cctgcctcgt gtgttgcttt gttgctgctc   | 120 |
| acaccttttag acaagacttg ctgccactga ctcccaccag tccctgttcc ctggaagaaa  | 180 |
| tcaaggaagc ccaccttgat ctcatcttgag ctctaattt tacagaaata gggacaaagg   | 240 |
| ttcaaaggga gcctcacagg tcgcatgggtg aaccaagc                          | 278 |
| <br>                                                                |     |
| <210> 167                                                           |     |
| <211> 214                                                           |     |
| <212> DNA                                                           |     |
| <213> Homo sapiens                                                  |     |
| <br>                                                                |     |
| <400> 167                                                           |     |
| agcatctgaa actatatcca gaatgacact ggattttcat aaaagtgttg atcctcacac   | 60  |
| ctcttttatag tcttgcacct agcacagtgg agtgaaacac tttaaatagc acttgttcct  | 120 |
| tgagtatata tggaaaaaag tgaagtattg ataagtgctc agctaatatg agcagcatct   | 180 |
| caggagtctc caattcttga attaccaggg agta                               | 214 |
| <br>                                                                |     |
| <210> 168                                                           |     |
| <211> 193                                                           |     |
| <212> DNA                                                           |     |
| <213> Homo sapiens                                                  |     |
| <br>                                                                |     |
| <400> 168                                                           |     |
| ggagttggag cccactctgg ggaaaacatg ttgagatctt gcctctgcaa aaataaagta   | 60  |
| aaataaaatt taaaaaaagt aaaaaataa aatcagctga gcatgggtgac atgcacctgt   | 120 |
| ggtaccagct actttggagg ctaagttgag aggcactgat gggaggatca tttgacggcc   | 180 |
| cagaggttga ggc                                                      | 193 |

## ADL\_0311WP\_Sequence\_Listing

<210> 169  
 <211> 240  
 <212> DNA  
 <213> Homo sapiens

<400> 169  
 ggcagctggc ggtcatttac atccccccgc tgcagagggg cttccagacg gagaacctgg 60  
 gagcgcttga tttgctgttt ttaactggat tggcctcatc cgtcttcatt ttgtcagagc 120  
 tcctcaaact atgtgaaaaa tactgttgca gcccgaagag agtccagatg caccctgaag 180  
 atgtgtagtg gaccgcactc cgcggcacct tccctaataca tctcgatctg gttgtgactg 240

<210> 170  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (213)..(213)  
 <223> n is a, c, g, or t

<400> 170  
 atagtgttgg gcactgtctg accatgttgc atttgggaagg ctaaattgggg ccatgaagaa 60  
 ggctggaagg gacaggtggg gatggcagcc tacctgggtg cccctacccc acctgttctc 120  
 ggagaaccaa gttgctacac aggaagtctt ccaagggtcca gtttcctttc tcccaccagt 180  
 tgggtggaggc ttcaggggaag accagagtcc tgnacagaga gggtaacagg aggagtcggg 240  
 gataaacatc aaacatcaat cgtgtgtcct gatttggggag tgat 284

<210> 171  
 <211> 245  
 <212> DNA  
 <213> Homo sapiens

<400> 171  
 gggccttccg tgctggcaga acaaagaaat gaatggatgc atggacagat agagagacta 60  
 atgcagcttg ttgagacagg ggctacagct tcaactgatgt aagaacaact ccaccctcat 120  
 gccccagcct ttttcttggg gcagggggcac atgataacct ttctcccaca ctaaaccttg 180  
 ctactacca gactagtagg ccttaaaactc tgggagcaag aatgggaactc cttcctatct 240  
 caaca 245

<210> 172  
 <211> 142  
 <212> DNA  
 <213> Homo sapiens

<400> 172  
 ctccactatg aatgatctga tgtatagtaa gggtcgaaga ccacttaaaa attttggcac 60  
 aatctttgca tttgtagggg ttgtctccag tatgaactat gttatgttga gtaaggcctg 120  
 aggaatagta aaaagctttg cc 142

# ADL\_0311WP\_Sequence\_Listing

```

<210> 173
<211> 256
<212> DNA
<213> Homo sapiens

<400> 173
aactagtggc tagcatcggc ttgacctgcc tcattcccct cgaataactg aagatcctgt      60
acaacaatgg agactctcgg aacatttatc cacagtgcaa ttacagaaaag cagttcgtga      120
tttctctaga aataataaat atggctcact ggtgaccatt cccctcacgt gtcctctgtg      180
gtgcccacac gtgcgccggg atgtgcaggc gtggacgcag agacgcccct gtggaaagca      240
cacatgcggt gcacac                                     256

<210> 174
<211> 99
<212> DNA
<213> Homo sapiens

<400> 174
tggaggtgcc acaaaaatca tctggtaaat tgtttaaagt aatcccaaat gcaactcaaa      60
tctacagaat ccaggtgaa gctcagtaat ctgtatttt                                     99

<210> 175
<211> 227
<212> DNA
<213> Homo sapiens

<400> 175
tgtctcctcg tgtccgcatt gctggagctc cacctccctc ttggtttctc cgcacccgcc      60
cattttcctt ctgtctttac ctgcttcgta tcctttccct gctgatgtgg ctgaccctc      120
tccacccctt ccctgcaggc ggctggccag gtgggcaggc gccagccgga gctgtaaata      180
gagcgctgcg cttttgtgct ggtttgtgcg tgtgctgtat ttctgtg                                     227

<210> 176
<211> 41
<212> DNA
<213> Homo sapiens

<400> 176
ccatgggcca caaatctcta caagtcctg ctatccctct c                                     41

<210> 177
<211> 270
<212> DNA
<213> Homo sapiens

<400> 177
gtatctgctc aagtagaagc ttccgtctct cttgtaacag gtcagtgtt cagttaccac      60
tgccattgaa ttaccctctc gctatcactt gcctcttatt tccataaaaa aagaaacgga      120
ggaaaaaact gtttaagttt taccttgttt aaaagtaaca cgagtgttt tgttattctg      180
taaactaaat acataaatga aggcaaagga aggaaactga gggaagggaa caaaatgtga      240
gtgatgaaaa cacggagttc attaaatgaa                                     270

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## ADL\_0311WP\_Sequence\_Listing

<210> 178  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (109)..(126)  
 <223> n is a, c, g, or t

<400> 178  
 gcagggtcaaa aacctgccct cctgtgactt attccctgag acttttcagg agagccagcc 60  
 cacagatgat gaagaaatga tggaagttca tttggagagt caaatggggn nnnnnnnnnn 120  
 nnnnnnctgc ctttgataca ggcaattcag tggactataa taatagtgga gggttgagat 180  
 gtagagtttt t 191

<210> 179  
 <211> 211  
 <212> DNA  
 <213> Homo sapiens

<400> 179  
 gtgctatggg aaccagggtgc cagggtgaggc cagggtgaaga cagggtgaggc cagggtgaaga 60  
 taggtgaggc cagggtgaaga cagatgttac gggaaccagc aggtagaaag ctaagtgctg 120  
 tggagaaaga gcgggaagaa atggaggagg tgtctgggac aacagaactt gaaaagaacc 180  
 tgctttctcag tagccccaag tcctgtgtgt g 211

<210> 180  
 <211> 205  
 <212> DNA  
 <213> Homo sapiens

<400> 180  
 tgaagagcct tctgggtacc tagagggtgct gggaaggagt ttggatttaa tcttggctgt 60  
 cctgtgacag ggattcggag gccatggggg aggggttgagc agggagacag gagacaggca 120  
 agaggcgctg tgagaagcgt gggctgagtg acctgctcct tggtagtgga gaagtcctag 180  
 aactgagcac catggcatgc acctg 205

<210> 181  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (235)..(248)  
 <223> n is a, c, g, or t

<400> 181  
 atccttccac agtctgcaaa ccagttcctt ctgcagtgtt ttcctctggg agtgtcttgg 60  
 gctaagccac agcgggtgtca cccaccaca cacactgccc tgcaaaaagga ctgccaatac 120

# ADL\_0311WP\_Sequence\_Listing

```
ccccagccca ttccccagcc tcacatataa ataaggactt gcgacccaga atcacatcca      180
gaaggggaagt ttcatatggc ttggaatcct ttaaaaaagg acagcaaacc aaatnnnnnn      240
nnnnnnnncc ctccctaccc acaacatcca gcctgatccc gggaatt                      287
```

```
<210> 182
<211> 294
<212> DNA
<213> Homo sapiens
```

```
<400> 182
cgacagccct gtttcgggtca ccagactctg aacatgctac atcctgcca agactgcacc      60
tctggaggtg cagggcaccc ttgagaagcc cctcacccct aggccgcctc caggtgctac      120
ccaggagtcc cctccatgta cacacacaca actcagggaa ggaggtcctg ggactccaag      180
ttcagcgctc caggtctggg acagggcctg catgcagtca ggctggcagt ggcgcggtac      240
agggagggaa ctggtgcata ttttagcctc aggaataaag atttgtctgc tcaa           294
```

```
<210> 183
<211> 193
<212> DNA
<213> Homo sapiens
```

```
<400> 183
atgagtactg agacctgacc actgcgttaa gcaacataga ggtcagtgtc catgacatgc      60
tggaaccaga gcttgattgc agttggttct agaaaaaaat gggggaggca atgtttgaga      120
gcatatatag acaactcttt tcaagggatt tgctataggg agaaaaaaaag cgatgggaca      180
aaactagagg gac                                                         193
```

```
<210> 184
<211> 168
<212> DNA
<213> Homo sapiens
```

```
<400> 184
gaccagttta ggcaacatag tggaaccctg tgtctacaaa aaataaaaaa atttagctgg      60
gcattttggc atatgcctat agtcccagct acttgggagg ctgaggaggg aggatcactt      120
gagcccagga ggtcaagttt gcagtgaact acgattgcac cattgcat                    168
```

```
<210> 185
<211> 156
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t
```

```
<400> 185
gggcactcgc atttgggtcat tctcttgaga gctaggaggg gtcagcctga ggccggagag      60
gaagggtctt tgctgggggt gagaggggtga gagacttgac ctgaaagcag ctctgcccc      120
```

## ADL\_0311WP\_Sequence\_Listing

tgaggtgcaa nccagagtcc tgtgtgcgga cagaga 156

<210> 186  
 <211> 109  
 <212> DNA  
 <213> Homo sapiens

<400> 186  
 aatttttact attggtcatt tgcagaacag taaattctgt gtgttggtac agagtgtctt 60  
 gtaccagtgc tcatcatccc ttcttcatac caacgggtccc tagttatag 109

<210> 187  
 <211> 106  
 <212> DNA  
 <213> Homo sapiens

<400> 187  
 tagagatggg ttctttctggt tgatacagac tatgcattgc gtctagcaga tggggtaaac 60  
 tggcctaaaa caagtctttg cagaatacat gccaatattcc aaaaaa 106

<210> 188  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<400> 188  
 tctccctgcc tcacaggatt gtgactcccc agccccctgcc ctcaaagctt cagacccctc 60  
 aggttagcagc aggaccttgt gatcttggcc ccttggatct gagatggttt tgcattcttc 120  
 caggagagcc tcacattctt cttccagggt gtatcacccc cgagttagca tatcccaggc 180  
 tcgcagac 188

<210> 189  
 <211> 148  
 <212> DNA  
 <213> Homo sapiens

<400> 189  
 ggtagccatt ggttcttggg tctgtgtag aatgagtgtt ttcccttcct actgatgtga 60  
 ttgtggatta ggaattcgtg accgagtgat ttttggccag tggttgggtt taaaattcta 120  
 ttaaaatttg tagtttgggc tgggtgct 148

<210> 190  
 <211> 184  
 <212> DNA  
 <213> Homo sapiens

<400> 190  
 gaaggtttgg acgattatct gactcgcttg atagaagaaa gggatacttt gatgagaacg 60  
 ggtgtgtata atcacgagga tcgaataata agtgaactcg accgacagat cagagagatt 120  
 ttggcaaaaa gcaatgccag taattaataa catttggaaa agctttatag agactctaag 180  
 tcta 184

## ADL\_0311WP\_Sequence\_Listing

<210> 191  
 <211> 123  
 <212> DNA  
 <213> Homo sapiens

<400> 191  
 ttgccaggca cggcggctca tgcctgtagt cgcaacactt tgggagacca aggcaggagg 60  
 atcacttgag tccaggagtt tgagaccagc ctgggcaaca tacagatgtc tacaaaaata 120  
 aaa 123

<210> 192  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (65)..(76)  
 <223> n is a, c, g, or t

<400> 192  
 tcatacaaca aatcccatct ctgtcccctg aaattcccct agtttcattc attagaaggg 60  
 gattnnnnnn nnnnnngact taaagagcac ttacagcag cattcagctt tcctatgaaa 120  
 tactcagcat cttaaattatt atatacaact ctttttttag taagctagac actggcttca 180  
 gagttcgtgg gagtggggga aatcaaccca ttcaaaacta ctctagaaat tgtcttttgg 240  
 cagaatagca ggtatccaag tta 263

<210> 193  
 <211> 45  
 <212> DNA  
 <213> Homo sapiens

<400> 193  
 agttctaggg gatatttgtg caataaatac acatgtcaac ttgaa 45

<210> 194  
 <211> 125  
 <212> DNA  
 <213> Homo sapiens

<400> 194  
 aaagcaggta gttagttacc atttgagag ggattccgga acctagagag agatgaggct 60  
 gaagaggcgg gaagaaacca gatggcaagg actttgtctc atgcgcaaag catataattt 120  
 ataga 125

<210> 195  
 <211> 233  
 <212> DNA  
 <213> Homo sapiens

<400> 195  
 agaggtaata tccttcctat tcttccttca cttctgcccc tcctcccacc tcttcccagc 60  
 ctccctcacc tgacctattt aggggggtgat gggatgaaaa gaagagagtg aaggatatgt 120

# ADL\_0311WP\_Sequence\_Listing

aatcaagtgc aaaatactgt ggtaagtaca gagaatgaat aaggtggaaa ggaaagtgaa 180  
aagtgtggga tggttagggg ctttaaggac ttcccaggaa aataggattc tgg 233

<210> 196  
<211> 197  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (142)..(142)  
<223> n is a, c, g, or t

<400> 196  
gaccagggcc tctcctgtgg gatctttggt ttgtgtttaa ccataatggt tgtgtactga 60  
accacttcat atttgttata tataatatat atatatataa tctccttaag actcagcctc 120  
ctggtttacc cccccggcct gngcatctga cctccccac cccagtgtga tttaacatcc 180  
aggaactgag gcctgaa 197

<210> 197  
<211> 289  
<212> DNA  
<213> Homo sapiens

<400> 197  
taagagctgt ggaggactga aaactggata aaaaggggggt ccttttcctt gcccctgtct 60  
ctcactcaga tgcgcttctt tttcgccact gtttgcaaaa gttttctgtt aagccccctt 120  
ccccctgccc cagtctcca ggtgcgttac tatttctggg atcatgggggt cagttttagg 180  
acacttgaac acttcttttc ccccttccc ttcacagtaa ctggggcagg ggcctacggg 240  
gaggggcttg tactgaacta tctagtgatc acgttaacac ctaactctc 289

<210> 198  
<211> 195  
<212> DNA  
<213> Homo sapiens

<400> 198  
ggactgcagc taagtgtcca ctccccaaag tcttcctatt cctaactcca tgacagctcc 60  
tcagtagagc tttcctcctc agaagcaact agaacaatgc agttaacatt atttggtccc 120  
aacggcgttt actgtgtatt ttggctgaga tctttagaag cccgaggcct aaacaattaa 180  
ctgaggaaca tctaa 195

<210> 199  
<211> 213  
<212> DNA  
<213> Homo sapiens

<400> 199  
ttactgaact acagcctggg ttgtagactt cctgtttcta cactgctgct cttcaccatt 60  
ggaattcact gtggatttta tattactggc ttcagtccga gccacaggta ataaaaggat 120

# ADL\_0311WP\_Sequence\_Listing

atcatctgta tttctcaacc atatcatggg gtatagatgc tgttattcag gcgaacttgc 180  
tcatgggtgg actaacacct ggtttggtac aga 213

<210> 200  
<211> 221  
<212> DNA  
<213> Homo sapiens

<400> 200  
gagccatgat tgtgttactg ctttccagcc tgggcaacag agtgagactc catctcaaaa 60  
aaaaaaaaa gaaagaaaga aaatcagact ctgaggctgc aggcggtggc tcactcttgt 120  
aatcccagca ctttgagagg ctgaggcagg aagattgctt gagcccagga gtttgagacc 180  
aacttgagca acacagtggc accctatctc tacctaaaaa a 221

<210> 201  
<211> 278  
<212> DNA  
<213> Homo sapiens

<400> 201  
ggagccgcca cggaattgcg aaagcccagc tacgcagaga tttgtcagag aacgagtaaa 60  
gagcctcctt cttccccatt gcaaccccaa aaagaacaaa agccaaacac tgttggttgt 120  
gggaaggagg aaaagaagct ggcagagccc gcagagagat accgggagcc cccagccctc 180  
aagtccacac ctggagcccc cagagaccag aggcggccgg cggggggccg gccctcgccc 240  
tcggccatgg ggaagcgtct cagccgagag cagagcac 278

<210> 202  
<211> 198  
<212> DNA  
<213> Homo sapiens

<400> 202  
cgtgctacca tcacagctga atgcaatgaa aggcggtcct ctgagaggag caggggtggag 60  
atgctaaagt ggaggccccg tccattgct gatagatcct catctggcat gcgctccacc 120  
ctccccattc tctgctcca cgtatcgtag ccccatcaca gaagatgcga catggaaaaa 180  
cgcactgtgt ccacccta 198

<210> 203  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 203  
gctgtgcca acctgccatt aatcccatcc atcctgagcc cgacgtggtc 50

<210> 204  
<211> 217  
<212> DNA  
<213> Homo sapiens

<400> 204

ADL\_0311WP\_Sequence\_Listing

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| ttttagcaac cagccagaga gggcgtgggt tcatgaaaaa cggttacgag agtataaagg | 60  |
| tcataaacag tatgaagaat tactggctga ggcaaccaa caagccagca atcactctga  | 120 |
| gaaacaaaag attcggaac cccgacctca gagagaacgt gctcagtggg atattggcat  | 180 |
| tgcccatgca gagaaagcat tgaaaatgac tcgagaa                          | 217 |

<210> 205  
 <211> 175  
 <212> DNA  
 <213> Homo sapiens

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| <400> 205                                                         |     |
| cctcgtgggc acgtggagaa gggcccacgt gtctccacac gccagccaca ggggagccct | 60  |
| ggccaggcgc ccagccaggg gagcgtgtgc ctgggatggg tcacagaacc agcgggcacc | 120 |
| tgtgaggctg gccagcaccg tggggctgtg ggaatcgctc ttatttatat ttaaa      | 175 |

<210> 206  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| <400> 206                                                          |     |
| ttccaagtgc gacctcaaat gacaactttc tcagggtggtg cctggatagg aaaggcaccg | 60  |
| gaacagaatc tgtagaaaac caaacctatc atgatcagca ttcctacccg acgttaacct  | 120 |
| cctagactag ctgaccttat ttattttgaa agcaaatcaa gtgtatacag tctcttttta  | 180 |
| aaaaactgtg taaacgttgt aaagttttta ggggctgttt ataacttgaa gatttataaa  | 240 |
| aaattactgg acttgttagg actat                                        | 265 |

<210> 207  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (115)..(132)  
 <223> n is a, c, g, or t

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| <400> 207                                                         |     |
| tgagatgadc agacaccgga gttcaacgtc ccagcagtct tggtaaaagg agggagccta | 60  |
| ctgagccagg agggagaaaa gaagattgac cagcttgcta gaaaaatact tagcnnnnnn | 120 |
| nnnnnnnnnn nngtggaggg gggacggaga ggaacaagga tggggaggta ggaatgaggt | 180 |
| atagaaaaga gatagcatct tctttggcac aagactagtg gct                   | 223 |

<210> 208  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

|                                                                 |    |
|-----------------------------------------------------------------|----|
| <400> 208                                                       |    |
| cccaggatgc gtcagtctgt tcagtgggtc gcaggcccc cccccccgc cgactgcctt | 60 |

ADL\_0311WP\_Sequence\_Listing

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| cgccatcgtg gtcagacccc cctcccaaca caacacgctg ctggtctgtg tcagcctttg | 120 |
| taacgtggga ggctctgccg tgtcttcccg gtgaactgta tttggattgc gcgcattgtc | 180 |
| acggtccg                                                          | 188 |

<210> 209  
 <211> 254  
 <212> DNA  
 <213> Homo sapiens

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| <400> 209                                                          |     |
| ataggtagca aagctaaggc ccagaaaggc taagtaattt tcccaaagtc acacagcttt  | 60  |
| gatatacagc aaaactcata tccctgagct ttctactcac tgttcttccg gttattatcc  | 120 |
| ctgaggtcat aaatctccac ccgcaaacc aatagcacca gtacaagaaa tctggactgg   | 180 |
| agatacttta tccacaccta ccaactgcccc aaaaagtaaa atctgactct gtgattctaa | 240 |
| tgtaccaatg gtac                                                    | 254 |

<210> 210  
 <211> 158  
 <212> DNA  
 <213> Homo sapiens

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| <400> 210                                                         |     |
| atTTTTattg cagtaggagg aaatatattt aaaatatTTg tagatttata gcaaatagag | 60  |
| actcgTtatt taaaggTtaa ataacaattt gTtctTttgt tGtTtttgcc agTttagggc | 120 |
| agtagctgct tttgtcataa atatcttcct accacatc                         | 158 |

<210> 211  
 <211> 135  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (94)..(94)  
 <223> n is a, c, g, or t

|                                                                  |     |
|------------------------------------------------------------------|-----|
| <400> 211                                                        |     |
| cttgagtaaa gacattttgc ttaatttctt ttttcttatt cccacttgt atatccccta | 60  |
| ccagtaccgg gatctgcaca catctttttg cagntacctc ttcataGCCa tgaacaaaa | 120 |
| cgTtctatga ggagc                                                 | 135 |

<210> 212  
 <211> 248  
 <212> DNA  
 <213> Homo sapiens

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| <400> 212                                                         |     |
| ccttcctgat tgTttacagt cattggaata aggcattggc cagatcgGCC acagggcggt | 60  |
| acTtTgtGCC cagggTtttg ccccaagtcc tcatttaaaa gcataaggcc ggacgcattc | 120 |
| caaaacagag ggctgcattc gaagaaacc ttgctgcttt agtcccGata gggTatttga  | 180 |

# ADL\_0311WP\_Sequence\_Listing

ccccgatata ttttagcatt ttaattctct ccccctatit attgactttg acaattactc 240  
aggtttga 248

<210> 213  
<211> 259  
<212> DNA  
<213> Homo sapiens

<400> 213  
tcctgtcctt gcaggtaaga cctgctccgg ggtccccgcc ccgccgccgc aactccccgc 60  
ggcgtcttgg gctgtcacta ggagatccgt agcccagacg gtgactttcg tatgagctat 120  
ttaactttat tttcttcaga atctgctgta gattgagctg tgcgtgaaat tgctagtaag 180  
ttctgacatg ttaatgcgtc tgtctttaaa tctgaattgt taccataaac gtgtttaatg 240  
gaacttgctg gtctgtgga 259

<210> 214  
<211> 262  
<212> DNA  
<213> Homo sapiens

<400> 214  
acctcatccc cgaataataa ctaagcacta gagtgatgct ggggatgctg gggcttggtt 60  
taggtggctg ggaagttat cttggagggtg agactccagt ggactctgcg gatgggtaag 120  
gtctcagaga gggtggggaa gttatcttgg aggtgagact ccagtggact ctgcggattg 180  
gtaagggtctc agagagggtt aggttaagaa gagagcattc cagaccattc caaaatcagc 240  
acataacaca catggcttga aa 262

<210> 215  
<211> 161  
<212> DNA  
<213> Homo sapiens

<400> 215  
gtttctacag ttcacttgtc tgcatagagg tcgtgctgtg cctggcagta atctccactg 60  
cccttcagaa actccataaa tgtgtgacca agaaccaccac agaattgagg aatatgttta 120  
ctcattgaag attgtggcct aatcatacag ccggtccccg g 161

<210> 216  
<211> 135  
<212> DNA  
<213> Homo sapiens

<400> 216  
atgcaagtag gcagccagcc cgtctgttcc ctctccgccc cgccccgccc cgccccgctc 60  
actgcgcttc tggtatacca tctttgcctg actctctacg gcttctccat tgaatggcta 120  
atgtgtatgt gaaat 135

<210> 217  
<211> 278  
<212> DNA

## ADL\_0311WP\_Sequence\_Listing

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (177)..(247)

&lt;223&gt; n is a, c, g, or t

&lt;400&gt; 217

tacacaaact ttattacagg cacaaaatta tcaaaaatac ggtataaaat taccttaagg 60

ctatgtatat aagggatgtg tgtatgtgtg tatacacaca aaaataaatt ttgtgtttcc 120

acttgatcc cctccctaag ataactcatt gtgtacatgc aaatattaga aaatgcnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnncta ttttatcacc attttcatgc tgtattaa 278

&lt;210&gt; 218

&lt;211&gt; 242

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 218

aactgcatga tgcacctgct ccgctccctg cccgacccca acctcatcac cttcctcttc 60

ctgctggaac acttgaaaag ggttgccgag aaggagccca tcaacaaaat gtcacttcac 120

aacctggcta ccgtgttttg acccacgtaa ctgagaccct cagaagtgga gagcaaagca 180

caactcacct cggctgcgga catctggccc catgacgtca tggcgcaggt ccaggtcctc 240

ct 242

&lt;210&gt; 219

&lt;211&gt; 205

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 219

gctcataaca aatataccag cattcatgat agcatttcag cattttccaa ggtaccaagt 60

gtacttattt tgttggtgtt gttgttggtg tatttttagaa ggaattcagc tctgatgttt 120

ttaaagaaaa ccagcatctc tgatgttgca acatacgtgt aaaatgggtg ttacatctat 180

cctgccattt aacccacag ttaat 205

&lt;210&gt; 220

&lt;211&gt; 94

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 220

tatccaacgg tatagatcac aaggggggga tgtaaagtgt taatctaaaa tatagctaaa 60

aaaagatttt gacataaaag agccttgatt ttaa 94

&lt;210&gt; 221

&lt;211&gt; 273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

# ADL\_0311WP\_Sequence\_Listing

<400> 221  
gacaaagctc taggatgatg gctgaggggt agaagaagg gcaagggaga cagaggtctt 60  
ggagatgacg cccatatctc tggcatgagc aaccagatg gcagggggtg gggcctggtt 120  
tgtgggaagg ggtgtccac tagcagatgt gtaccagtg gaggtgcagc tcagattgga 180  
gctggccatg ggtatttgaa aatcatgtgc gcacaggtag ccactgaagc catgggagtg 240  
aaagagaaca cttggaaagt gaactctggg aaa 273

<210> 222  
<211> 168  
<212> DNA  
<213> Homo sapiens

<400> 222  
tggaaccgtcc aagaaggagc tacatcagag gttttggtag atgctgctgt agacctcata 60  
tccgatgaat ggggaagctgc taatgccata cccagcagag agaaggaagc aggatgcagc 120  
cccgtttgag gccgccagcg tgccttctgc agactgtgag cagagcaa 168

<210> 223  
<211> 277  
<212> DNA  
<213> Homo sapiens

<400> 223  
agctttgcag ttataggctc taacctggac atgtcagaag ccaactacaa actgatggaa 60  
cttaatctgg aaataagaga gtctctacgc atggtgcaat cataccaact tctagcacag 120  
gccaaaccaa tgggaaatat ggtgagcact ggattctgag acacttcagg ccttttagga 180  
aagaaactaa actgaagatg atgaagaata ttaaccaagc accttttaat ggacccttgc 240  
ttcactgata actttctggc agcatctact ttttagt 277

<210> 224  
<211> 290  
<212> DNA  
<213> Homo sapiens

<400> 224  
aggcttagga gatgcctgag cctccactga cctctgtgca tgtggccac cagtggccac 60  
tctgtccttt tggaaactgt cctctggctt tctaggaacc ccatgttttt ggtcttctcc 120  
tctggccctt ccttctcagt ctctcagca ggactctatt cctgtacca ttcctaaaat 180  
gtcacgaact cgtttctggc cttgtccttc tttgagtga tctctgggtc ttcattatc 240  
cctgttgaga tgctcaccct tctttggtga gctcccaacc ggtacaggtg 290

<210> 225  
<211> 68  
<212> DNA  
<213> Homo sapiens

<400> 225  
aattgtgcct acctcagata gacagtgcc gaattaagt agtcaagcca agtaaagccc 60  
agagaaga 68

# ADL\_0311WP\_Sequence\_Listing

```

<210> 226
<211> 105
<212> DNA
<213> Homo sapiens

<400> 226
tcttcacaca gacaattcga tcagtccttc aggtcttaag tcacttctca agaatgccgt      60
acttgcc tag gctagattag atcctactgt tacatgctcc ctta                          105

<210> 227
<211> 98
<212> DNA
<213> Homo sapiens

<400> 227
tttagtaggt acgtcatgac aactaccatt tttttaagat gttgagaatg ggaacagttt      60
ttttagggtt tattcttgac cacagatcct aagaaaat                                98

<210> 228
<211> 206
<212> DNA
<213> Homo sapiens

<400> 228
ggcggcgctcc ccagctgggt cgggctgtga cgggggtggcc agcagggacg cgccccaggt      60
gggcagctgt ggcagagcag cgacccgcgg cggggcgcca tccccagctg gttcgggccc      120
tgacggggcg gccagcaggg acgcgccccca ggtgggcagc tgtggcagag cagtcccgac      180
acctaaataa aagtcttgct gcagga                                              206

<210> 229
<211> 99
<212> DNA
<213> Homo sapiens

<400> 229
agataaattg ttgcctgctt ctgtgtctct gccagcctgt gatcatattg ggtagagtt      60
agaaatccgc tgtttgctt tcttactggg aggatcctt                                99

<210> 230
<211> 147
<212> DNA
<213> Homo sapiens

<400> 230
atcctcgcca ttcgaatttc agttctgtac atctgcctat attccttggt atagtgttt      60
gctttttcat agataagctt cctccttgcc tttcgaagca tcttttgggc aaatttcttt      120
ctcaggcgct tgatcttcag ctctgcg                                           147

<210> 231
<211> 57
<212> DNA
<213> Homo sapiens

```

# ADL\_0311WP\_Sequence\_Listing

<400> 231  
aaacgaactg taaaagacca tgcaagaggc aaaataaaac ttgaagtga tgcttaa 57

<210> 232  
<211> 269  
<212> DNA  
<213> Homo sapiens

<400> 232  
agcacgctac caaatctcaa aatatacctaa gactaacaca aggcagctgt gtctgagccc 60  
aacccttcta aacggtgacc tttagtcca acttcccctc taactggaca gcctcttctg 120  
tcccacagtc tccacgagag aaatcaggcc tgatgagggg gaattcctgg aacctggacc 180  
ccagccttgg tgggggagcc ctctggaatg catggggcgg gtcctagctg ttagggacat 240  
ttccaagctg ttagttgctg tttaaaata 269

<210> 233  
<211> 204  
<212> DNA  
<213> Homo sapiens

<400> 233  
catcatgttt ttgtgggcaa atacaagttg ttataattaa aaccctaata ttgaatattt 60  
ttgtttacaa gaaccaaggc aaatgtttta tttgttataa aacctgtttg tgaagtgctg 120  
tgttaaattg tgctgctggc taataggcct catttcaatt taataaatat ttattgagga 180  
ctggctttat gtctggccct gtgc 204

<210> 234  
<211> 155  
<212> DNA  
<213> Homo sapiens

<400> 234  
agtatctgat atgtgtgtgg aggcagccat cttttcctga aagtcctttt aggaatcatt 60  
atttctggtc ctctgaagtt tgccgctacc actcataaat atctatccac accccttaca 120  
agaagaataa ggaagatctt aagacctaga aggaa 155

<210> 235  
<211> 272  
<212> DNA  
<213> Homo sapiens

<400> 235  
acttgaccta ggcagtgacc attctctccc actttcacac atgttcactt gacttccagg 60  
ccatactctt agtttccatt ttacctact gcctcactcg ttatcatctt ccttgccctg 120  
ttcctcaact ctctatgcta gagtacttca gggatcagtc cttgatcctc tccttttctc 180  
tatacttact cctttgaggg tttatctagt ctacagatt taaatatctt tgatatgctg 240  
acaactctct aattatctaa ttcaccctgc cc 272

<210> 236  
<211> 277

## ADL\_0311WP\_Sequence\_Listing

<212> DNA  
 <213> Homo sapiens

<400> 236  
 aaaattttctc tttgctcttt cgtagaaata aaacttaaca gttggatagg ccctgatccc 60  
 agcttttctgg catgtctgag cataagcctg acagtctact tttccagctt tcacttttcc 120  
 tttaatcatc ctagccaaga gctcaaattc tggagcaaaa ttctggcaag gtccacacca 180  
 aggagcatag aaatcaatca cccaatgatt tttcccttgt agaacttttt cactgaaagt 240  
 ctgagggtgtt agatctgtgg atacttgatc ccgggaa 277

<210> 237  
 <211> 272  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (106)..(189)  
 <223> n is a, c, g, or t

<400> 237  
 ggcacaacat ttttgaggac aattaaatt ttatatctac atagtcttca ccccaactct 60  
 tccatttcta gatattctatg ctacaggaat acttgcccac taagcnnnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnt ggggtgaccc tctaagtcct aggaaggaaa gaaattatga agtgaaagaa 240  
 tatcatataa gtgataccat gaagtgaag aa 272

<210> 238  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (36)..(213)  
 <223> n is a, c, g, or t

<400> 238  
 ggagtagcca agactcctgt ttctctgcat ttttcnnnnn nnnnnnnnnn nnnnnnnnnn 60  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntggggtc cctgttgccc agcatgcctg 240  
 gaccctcaac acttaatagt gataataaca tatatccaac ccttggtaaa tgccaggact 300

<210> 239  
 <211> 229  
 <212> DNA  
 <213> Homo sapiens

<400> 239  
 ggcctttagt taacatccga gtgacgaagc cgggttcccc agtacagctg tcttttgggt 60

# ADL\_0311WP\_Sequence\_Listing

```
gcgggtcattg tgaggaaggg gatgagtga gttgggtgtg gctggaggag gagctagatg 120
ccgggtggaca gtgggcaggt ggatttgggg aggagaggat cagcagcagc agaagtactc 180
agtgataggg ggctggctgg gtcaggaatg gtgagatgaa catgcaagt 229
```

```
<210> 240
<211> 51
<212> DNA
<213> Homo sapiens
```

```
<400> 240
acttgaaccc cgaaggcagt gtttgtggtg agcagaaatt gcttcattgc a 51
```

```
<210> 241
<211> 300
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t
```

```
<400> 241
gggccatggc actgctgttc agctcaggca cagggggcaca gcagaggttt gggaagcggg 60
ctccccaccg gcactgggat tggcgggtcc aagcccagca accggcttcg ctccacaaca 120
cacaccacac ctgggactgt ttttaataca tagcaacaga ctgggttatt tatttaagat 180
gtgtattgtg tcatatgaag ttnaagagac ataaatggca ttttgttatt tattaagaca 240
aactccaatt gttctctggc tgtttttttc agttgtgtct agcaaatact tatctgcct 300
```

```
<210> 242
<211> 286
<212> DNA
<213> Homo sapiens
```

```
<400> 242
agactgactg ctaaactgta tgaatgatga ggggatttgc acgtataatc ttaactgtac 60
atcaaagtgt aattttttat tttatccact gtctttgaaa acctaactct tgactaagaa 120
ctgactttcc tgtacttggt gttgactcta agtaaaacttc caattccaca tagtccaaag 180
atgatgtgct gagaaatctc tcaaaggaaa aatgctaaga atacaggcag agttatgcgg 240
caaattttgc agaattaaca caattgcact tgtgagtatg aagcac 286
```

```
<210> 243
<211> 109
<212> DNA
<213> Homo sapiens
```

```
<400> 243
atggacagaa cggagactag gttccgtaag aggggacaga ttacgggaaa gatcacgacc 60
agccgtcaac cccaccccca gaatgagcag agtccccagc ggagcacct 109
```

## ADL\_0311WP\_Sequence\_Listing

<210> 244  
 <211> 37  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 244  
 tttgttacat atgcaataaa ctcacgactt tacattt 37  
  
 <210> 245  
 <211> 34  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 245  
 ggaagtggac gcaaagtgga tgcggcagca gaaa 34  
  
 <210> 246  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 246  
 tggccatgca tgatggctta cacctgtaat tccaacactt tgggagtctg aggtgggagg 60  
 attgcttggg tccaggagtt taagaccagc ctggccaaca tggtgaaacc ctgcctctac 120  
 aaaaaataca aaaattaggc aggcattgatg gtgtgcacct gtggtcccag ctactcagga 180  
 tgctgaggtg ggaggatcac ttgagcctgg gagatggagg ttgcagtga cctgatcat 240  
 gccattgcac tccagcctgg gtgacagggt aagaaactgt ctcaaaa 287  
  
 <210> 247  
 <211> 196  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 247  
 tggagtgcac aggtagcagt gcttctcccc caaggctggg gcgatggaat cagttagact 60  
 attgagggca tctggaagg catctgtgtc agggtagtc ctgagggtat ggtggccaat 120  
 gggtttcttt tggttgactg ttgacaatgc gtttgttgaa tggcagcctg cactaggtga 180  
 cgctgaagcc acagaa 196  
  
 <210> 248  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 248  
 ttcattccca caaaaacctg aggcagctct tttgccaga gcgttccctg tagccacccc 60  
 caccctactt gcccttggtt ctttagaagg agcacacaca tcccttgatt cctccctgat 120  
 gtggtaaact ggcacactcc aggggtctaa aacataaaac agttgtgttt agggacactt 180  
 aagtcatgc 189  
  
 <210> 249  
 <211> 35  
 <212> DNA

## ADL\_0311WP\_Sequence\_Listing

&lt;213&gt; Homo sapiens

&lt;400&gt; 249

acagaggctt cttcagatca gtgcttgagt ttggg

35

&lt;210&gt; 250

&lt;211&gt; 247

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 250

attctgcatg attcacggac taggagtccc tgggtcaaaaaa cttcaaaaac taagtgatgg 60

gtcccaagtt actcagtggc agaaacttga ttcagtaaca tgtcagcttg tgggcttgaa 120

aagtcttaag tgtctctact tcttctatcc ttgtgctttc ccgggacttt acacaatccc 180

acctccact ggacaattgt caaatcccag agagtatggg aagtctgttc atctctgac 240

accataa 247

&lt;210&gt; 251

&lt;211&gt; 282

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 251

gacgggtccgc cgtgcccag aggaacggga tgacattcaa ctgggacttg cctcaccttg 60

gcttggggga cctcgagagc ggtcccgtgg gggcagtgtt actcgtgggtg gtagaagtgg 120

agggcgtgtc cgggtacttg agttcatggg catctctccc gccgcctctc agcctatctg 180

caccatgtct cacacgttca gttgcagctc ttaccgtttt gaaggcgac gtgggcaaga 240

agtcctgggc agcacaagaa agtcaatcac gttgagacag ag 282

&lt;210&gt; 252

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 252

gactctagcc acagcctaac caaggattat caaaggaggt ggacactcaa ggaaggcca 60

cgccaggctg cgtttcctgc aaggactcag atgttcagta ccttatgata cagggaagat 120

agttttctta caagtagttt ggtaatatatt tttttcttaa gttgtacatt tgactcagct 180

gtcaaatttc tcacacttgt atatatctac acacaactaa gttaaa 226

&lt;210&gt; 253

&lt;211&gt; 188

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (135)..(144)

&lt;223&gt; n is a, c, g, or t

&lt;400&gt; 253

gggaacaggg aatgccgatt ttatatacat ggtacacaga gaggggtgtc acttcacaaa 60

# ADL\_0311WP\_Sequence\_Listing

atcttccagc atgttcttca gaatattaat ttatatgcga ggtgagggtg ggaatgaaaa 120  
 gaacagggtca gcacnnnnnn nnnncctata acatacaaaa gaacatgggtg gacttttcagg 180  
 gagtgcaa 188

<210> 254  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 254  
 gagatttttg tggtcggtgt attcgagaat tccttaaatg gtccattaag caaataacac 60  
 cacagcagca ggagaagagt ccagtaaaca ccaaatcgct tttcaagcga ctttatagcc 120  
 ttgcgcttca cccaatgct ttcaagaggc tgggagcatc acttgccttt aataatatct 180  
 acagggaatt cagggaagaa gagtctctgg tggaacagtt tgtgtttgaa gccttggtga 240  
 tatacatgga gagtctggcc ttagcacat 269

<210> 255  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 255  
 ttctttctga gtttgctggt ggtgcaggaa taagggaaag gcccaaggta tccaagcctg 60  
 gggaagggca ggccagccag cacctctgcc ttctcagga caagagtagt cctttaccac 120  
 cctcactctg cctgtccct ctcctactct acagcattaa agactgtggg accaggaccc 180  
 taagtctcct ttctttctgg gtggggagtt ctggggttct tgggtgtgtg gagaagtttt 240  
 ataattgctt ccaaacagct gggtttaaat ata 273

<210> 256  
 <211> 279  
 <212> DNA  
 <213> Homo sapiens

<400> 256  
 ttctggatgt atcttcagga gcattagcat tccctggtag gttgaagatg ggccagtaag 60  
 ggaaacagaa ggggtcaaagg tgatgccaaag atttttgccc aaagcacctg aaagatggag 120  
 ttgcccataga ctaagatggg gaagcacggg gtcagcaccg atttgggggg aagatcagga 180  
 tttcattctt ggatgtgctg agtttgaaac atctgagtca tatccaagtg aagagtttga 240  
 ataggccggt ggatatattt aggataaaag cctgggcta 279

<210> 257  
 <211> 174  
 <212> DNA  
 <213> Homo sapiens

<400> 257  
 accagcgcac cctcgagttc tttggcctga agaaggaaga gtgcccggcc gtgcgcctca 60  
 tcaccctgga ggaggagatg accaagtaca agcccgaatc ggaggagctg acggcagaga 120

# ADL\_0311WP\_Sequence\_Listing

ggatcacaga gttctgccac cgcttcctgg agggcaaaat caagccccac ctga 174

<210> 258  
<211> 109  
<212> DNA  
<213> Homo sapiens

<400> 258  
cgtgctacca tcacagctga atgcaatgaa aggcggctct ctgagaggag caggggtggag 60  
atgctaaagt ggaggccccg tcccattgct gatagatcct catctggca 109

<210> 259  
<211> 167  
<212> DNA  
<213> Homo sapiens

<400> 259  
tgatctagag gtcccccttc ggaaataggg aagactgtct ctgaagaagg aggaagtgtgta 60  
gcttatggga ggctgaggag tttggagttt ctccttgctg gaagggtggga gccatggagg 120  
ctgaagacag ttgtccaact cagggcatac aaattgatga ggaactc 167

<210> 260  
<211> 155  
<212> DNA  
<213> Homo sapiens

<400> 260  
ctgcccctcg agtgagactg ggacaagatg ctctgctgga cttgagcttt gcctacatgc 60  
ccccacctc cgaggccgcc tcatctctgg ctccgggtcc ccctcccttt gggctagagt 120  
ggcgacgcca gcacctgggt aagggacatc tgctc 155

<210> 261  
<211> 37  
<212> DNA  
<213> Homo sapiens

<400> 261  
gtgagccaag ttcgaactcc tgcattccaa ccagcct 37

<210> 262  
<211> 110  
<212> DNA  
<213> Homo sapiens

<400> 262  
gatgggataa tttgggaggc ttctcattct ggcttctatt tctatgtgag taccagcata 60  
tagagtgttt taaaaacaga tacatgtcat ataatttatc tgcacagact 110

<210> 263  
<211> 190  
<212> DNA  
<213> Homo sapiens

<400> 263  
accaaatacc acaggttctc agttgtgagt gggagctaaa tgatgagaac tcatgaacac 60

# ADL\_0311WP\_Sequence\_Listing

```
aatgaagggg acagacacta ggggtctactt gaggggtggaa gatggggaaga gggagaggag 120
cagaaaaagt acctattggt gatgaagtac tctgtacaac aaacccgtga caagagtttc 180
cctatataac 190
```

```
<210> 264
<211> 291
<212> DNA
<213> Homo sapiens
```

```
<400> 264
aacagctgct tttggtatca ataccctggt gggtattagt ttaaaatttt agtcaatgat 60
gcttttttggg tgggtgtgaa gggggaagaa aatcttgagc atgtaatgac ttaaattggt 120
tcccaaataca aattaaattc tgggccagta taagacctac acactcacat ttcacaagt 180
agggcatgga tgggggtagg ggcaggcagg gaaaggagaa aagaggacaa tcagcacccc 240
tgaggggctg aacatagggg gcatccaaaa cgtgcttgct gtgggaagaa t 291
```

```
<210> 265
<211> 263
<212> DNA
<213> Homo sapiens
```

```
<400> 265
catttttgat gacgacacga tcataaccac tctggagaac ctgaagagag aggctgcaga 60
ggtcaccagg aaagttgagg agacggacat tgtcatgcag gaggtggaga ccgtgtccca 120
gcagtacctc ccgctctcca ccgcctgcag cagcatctac ttcacatagg agtccctcaa 180
gcagatacac ttcttgtacc agtactccct ccagtttttc ctggacattt atcacaacgt 240
cctatacgag aacccgaacc tga 263
```

```
<210> 266
<211> 144
<212> DNA
<213> Homo sapiens
```

```
<400> 266
atgacatata gtgcatggct cacaatccca ggagatgagg gcagcacagc tgcaagacaa 60
cacagagtgg ggagaacatc caggatgcac attcaaccag caggtgggga gcaagacaga 120
cagggacctg tgggccaag cggt 144
```

```
<210> 267
<211> 248
<212> DNA
<213> Homo sapiens
```

```
<400> 267
taggcttagc ttgatttctg ggcccactgt ctgtgttctt aagatgccaa cctgttgctt 60
tttttttttt ttttcccca tttaaaagga tagtacctac tccctctaac cacctcacc 120
cattcttgaa tgacatttta tccttcggaa agaacaaggc tgtgatgtag tgactattgt 180
ctgtgtctcc tgtgtgtgtc tgttcttgct acaaattgtat ttggggacgt tggatgcatt 240
```

## ADL\_0311WP\_Sequence\_Listing

cattttct 248

<210> 268  
 <211> 45  
 <212> DNA  
 <213> Homo sapiens

<400> 268  
 gccccactgt cactaactgt aaactcaggc tcaggcttca actgc 45

<210> 269  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 269  
 aagattcttc tttgtatatg aggatggtca ggtgggcat gccaacatta atactcagga 60  
 cccaagata cagaaggaaa tcatgcgtgt gatcggaact caggtttaca caaactgagg 120  
 gggccccagc cctcgtacca cccctgttac ccaggatcc atctgccctc ataaaagtgt 180  
 tcaggtagag cagctgaggc tgccctgagg aatcaagggg ccattaccaa ggggcaggaa 240  
 aaggatatgt aagaggtggc cttca 265

<210> 270  
 <211> 33  
 <212> DNA  
 <213> Homo sapiens

<400> 270  
 ttgcagcgag tcaggatcgc agcactacac tcc 33

<210> 271  
 <211> 234  
 <212> DNA  
 <213> Homo sapiens

<400> 271  
 ttcacaggaa gtaggtaaac accgaaattt agtcagtgtc attattagag ttgtgctttc 60  
 ataaaaagaa tctctcaagt gtgacaaggc taaattagaa agaagagact ggaggtagag 120  
 gccagttagg agatccttgt aataatccac agttgatgga atgaggatct atagtagcca 180  
 ggctggagggt aacaaagagg gacaggaggg caggagtact ctactttaaa gtag 234

<210> 272  
 <211> 61  
 <212> DNA  
 <213> Homo sapiens

<400> 272  
 agttgttaag tgtatcagat gtgttgggca tgtgaatctc caagtgcctg tgtaataaat 60  
 a 61

<210> 273  
 <211> 157  
 <212> DNA

## ADL\_0311WP\_Sequence\_Listing

&lt;213&gt; Homo sapiens

&lt;400&gt; 273

gtggtttgtca tgtgatgggt cccctccagg ttactaaagg gtgcatgtcc cctgcttgaa 60  
 cactgaaggg caggtggtgg gccatggcca tgggtccccag ctgaggagca ggtgtccctg 120  
 agaacccaaa cttcccagag agtatgtgag aaccaac 157

&lt;210&gt; 274

&lt;211&gt; 293

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 274

ggagacatcg atctcttttg caaattccct cacagcctca ttagggctct cataagtga 60  
 ggggtcgatg tagaccttag taccatgtcc gatgagatac tgtccgtgtt tgtccgaata 120  
 ttctgcttct ctcccattgc tctgcttcct gaggcagaga actgcgacca caatgaccac 180  
 caggaccagg accacacca cgactgccgt gcccgcaatc agggccagct gctcccgcca 240  
 gccctcgctc tcatccagtt ggggccggct gtgatgttcc tggccgaagg gcc 293

&lt;210&gt; 275

&lt;211&gt; 253

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 275

ggagttttgtg actagatggg caatatagta agatgtcatc ttttaaaaat gaaaaatta 60  
 gctggccact gtggcacacg cctgtagtcc cagctacttg ggaagctgag gtaggaggat 120  
 tgcttgagcc caggagttca aggctgcagt gagctatgat tgtgcttatg aatagccact 180  
 gcactccagt ctgggcaata gtgagtcggc caaattccat ttccccctcc gcccataacc 240  
 tcttcaaatag ttt 253

&lt;210&gt; 276

&lt;211&gt; 195

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 276

actgcatcag gtctcagtgt ccctatctgt aagatcaaca agaaacacgg ttaagggagg 60  
 tcgtcactgg ggtgggagaa gaggggctgg tagaccgaag ccttgatgcat aaggattttt 120  
 tcccaggaaa agatagactt tataaacagt gggagcccat gaacaaacat ataaaagtag 180  
 caacagataa tgacc 195

&lt;210&gt; 277

&lt;211&gt; 195

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 277

tattgtaact cttccgccct tttcaggcgc agacaacaga acaaagtata gaggaacaac 60  
 aaaatatata attagccctc cttccccccc ataaagcaat tcacggatac agaatacatt 120

# ADL\_0311WP\_Sequence\_Listing

ctcttcacag taaacctaa aacacttgta acaattgccc acagcgcgca tgctaactaa 180  
agtaacctct tttga 195

<210> 278  
<211> 297  
<212> DNA  
<213> Homo sapiens

<400> 278  
tactgcttgc atataccttc ctcagctaac cgtcctcctg ggcccttctg cttctgaccc 60  
cctcaggacc ttaggacata atcactccct gcttctatct tcagtatctc ctcattacaa 120  
ataaagcatt tgctgcagct catttaactc ttgtgtccac agtgagtctc ttccattact 180  
taatcacact taattctctg tcctgactcc tgtccccagc cttttctttc actttgcccg 240  
tctgtcaggc tctcatgctt ctccatttgg caacttcagg aaggtagcgc agctccc 297

<210> 279  
<211> 256  
<212> DNA  
<213> Homo sapiens

<400> 279  
gccagtcacc ctgcggatcg agagaggggg tagagtcttc ttcaaatggc agttttactt 60  
caaatggcag atttcacaag agttgggtat tttttacaat ggtttaggtt gttaagtctc 120  
ctttgtatgt aaggtagttt tttcaacatc taaaattttt gtttttagcct tcaaaaccaa 180  
cttaccaacc tcagtccagc tgggaaggca gcgttgatta tggtagtttg tcaagaatat 240  
atggacctgg aaacac 256

<210> 280  
<211> 223  
<212> DNA  
<213> Homo sapiens

<400> 280  
cactgctcag ggttggaggc tcagtccctt tgccctgtct gttccagctc tggagctaac 60  
tcagggatcc ctgatcaggg ttacataggt ttggtaaaat gagtgctgga aattaacttt 120  
ctcccagtag tcttaggtca tgctcagtga acttaaaactt tatccagata tggttttcct 180  
tcagcctttc tattcccttt ctagccagtg aaagacccgc tgc 223

<210> 281  
<211> 140  
<212> DNA  
<213> Homo sapiens

<400> 281  
cgagagtata tcagttaaag ggtaagaaat gtagacccca tattttaatt cagtagcacc 60  
agttcaaadc cagttattca gaattaacaa agcaactggt gctcaaaaaa atgccaataa 120  
actcccagac caactgagat 140

## ADL\_0311WP\_Sequence\_Listing

```

<210> 282
<211> 112
<212> DNA
<213> Homo sapiens

<400> 282
accaaggagc tggtcagacg gccctttcta atcctacatg ttgagcttat gtaaaaaatg      60
ttgtttcctc ctgttttttg ttcctttcctt acccacaaac cattactact tg                112

<210> 283
<211> 34
<212> DNA
<213> Homo sapiens

<400> 283
caacagagtg agacttaatc ttgaaaaata aata                                     34

<210> 284
<211> 166
<212> DNA
<213> Homo sapiens

<400> 284
agtagagggc cctcaaccca cacactggct gaaactgccca ccaactgccca cgatgaaccc      60
aactgctggt tatgccccca ttttcctttt tttgtatcta caccacacag attcccaatg      120
ttggatatatt ctacatgaat aaagcaagga tcagtgcctc ttatgt                    166

<210> 285
<211> 288
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (78)..(157)
<223> n is a, c, g, or t

<400> 285
agggcaaaac aggagatgag gaaatgttaa aggataaagg aaagccagag agtgagggag      60
aggcaaaaga aggaaagnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnntga aggagagcca gggagtgaaa      180
caagggctgc aggaaagcgc ccagctgagg atgatgtacc caggaaagcc aaaagaaaaa      240
ctaataaggg gctggctcat tacctcaagg agtataaaga ggccatac                    288

<210> 286
<211> 276
<212> DNA
<213> Homo sapiens

<400> 286
tgtggggtga cagttttaca tttacttttt cttcttaatg cagctggatc taagtaaaat      60
gttttgaaagt ttatcagaaa ctaaattgtac ttttaaaacg tataggggtca gggttggggg      120
aaaaatacag gtatagtaag taagaaaagt gacccatgaa gaaagcatcg tgaggttgta      180

```

ADL\_0311WP\_Sequence\_Listing

|                                                                     |     |
|---------------------------------------------------------------------|-----|
| tgtttggttga ctgtgattaa aatgcggggc tgggtgtaagt tgtaagtggg ggctgattgc | 240 |
| cgtgtactat gtacatgatt gttgggatgg ctgtcc                             | 276 |

<210> 287  
 <211> 183  
 <212> DNA  
 <213> Homo sapiens

|                                                                                 |     |
|---------------------------------------------------------------------------------|-----|
| <400> 287<br>gaaaacctat aacatgatga gtaagagttc tatggtagag aggtaggaga ggaaagggtga | 60  |
| aaactgccac aagccaaatg agactgcagc aaagtatgta aggagcctgt tctcagggtcc              | 120 |
| accacatcc agctatcacc ctctctgacc gcctttttccc atgagcctga aaggggtcaca              | 180 |
| gac                                                                             | 183 |

<210> 288  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

|                                                                                |     |
|--------------------------------------------------------------------------------|-----|
| <400> 288<br>gacgcacaac cttcaacact aattgccctt tactaagccg accagggcta gacactaagc | 60  |
| cagaaaagcc ttttccagag tttcctcttc cgcacaaaag ctttccttct gtcactccac              | 120 |
| ccaaccaccc agctcctccc ttaagtgttt gaaagataat tctaaaagtc tcctcccccg              | 180 |
| aaccgctgcy tttcttaagg ccacaccatt ttaaaaatac tgtattgctt ttgccaggct              | 240 |
| gttgggacct cttccatctc atttctatct aagagtgggt ggtacacacg aggac                   | 295 |

<210> 289  
 <211> 285  
 <212> DNA  
 <213> Homo sapiens

|                                                                                |     |
|--------------------------------------------------------------------------------|-----|
| <400> 289<br>aaagcagatg ggtgtgttca gacaagatct ggaagctgtg gcatggcaga caaagggaga | 60  |
| tgggaccctt ttggcactgg aggaagaggc ttgaatcttc ttggagcact aaaagttcca              | 120 |
| aaagacctaa gcagaaaatg cttccgaaga ggaggatctg tatggcaaga tgactgtaat              | 180 |
| caggctcata aaagtaagac cttacataaa tacaagttag ggggaagaca tttcatgtag              | 240 |
| gaggaatggc tcaagcaaaa ataccaaggc gggaaattgc gtggt                              | 285 |

<210> 290  
 <211> 129  
 <212> DNA  
 <213> Homo sapiens

|                                                                                |     |
|--------------------------------------------------------------------------------|-----|
| <400> 290<br>agaagttttg agaagcagtt ttgtttgggt caaggggtac tttcaaatta cacttatgag | 60  |
| tcagtatcta taaaaagttt cagaagtacc tacaatttag ccctctacat ccaagcagta              | 120 |
| gctttgcag                                                                      | 129 |

<210> 291

## ADL\_0311WP\_Sequence\_Listing

<211> 70  
 <212> DNA  
 <213> Homo sapiens

<400> 291  
 cagtgaagcta taatacaagg cttcattgca ctccagccta ggcattagag cgagaccgtg 60  
 tttattttaa 70

<210> 292  
 <211> 135  
 <212> DNA  
 <213> Homo sapiens

<400> 292  
 gcagatgcag gaaacaccta gagcagcccc agagtcacgg ggctgagggg gcgggagctg 60  
 cccctgtcat agggaggggg attcccagcg tctgtagtgc ttcctgtttg ctgaataaag 120  
 gtctctttct cacac 135

<210> 293  
 <211> 156  
 <212> DNA  
 <213> Homo sapiens

<400> 293  
 cagaaatggt agtgccgtgc tctaaccaag taagcttagt gttccccaca gtgatctgta 60  
 tctggcctga gtctcctcaa gcagcaaccc ccactgtcca gcatgtggaa ggtagatcct 120  
 tatgacaaca ccagacccat agttaccagg aaagaa 156

<210> 294  
 <211> 175  
 <212> DNA  
 <213> Homo sapiens

<400> 294  
 gtgtttaagg gcatttcaca gatgggaaat aaggtgcaga gggctagaga gatgggctca 60  
 aggctgtggt gccagtgaca ctggcttccc ctgtgttgtc ctttgctctt gaacatcacg 120  
 ccacgcagca gcagaacaaa gataaagaac caattccaaa accaggcgtg gtggc 175

<210> 295  
 <211> 112  
 <212> DNA  
 <213> Homo sapiens

<400> 295  
 ggccgagaag atgctgggca cccacccagc acccccatct accaacacca gcggctgggg 60  
 gcgggggcgg accttgtag gctcagttga cccgttactt gcaacctgaa aa 112

<210> 296  
 <211> 149  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

## ADL\_0311WP\_Sequence\_Listing

&lt;222&gt; (46)..(86)

&lt;223&gt; n is a, c, g, or t

&lt;400&gt; 296

caagaatctg gcattttctct tcagttatct tatatgtaca tataannnnn nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnggag atgaaggctc cagtctctta cccactgcac 120

tctagcccag gcggttaagag agactccat 149

&lt;210&gt; 297

&lt;211&gt; 239

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 297

cctctacgcc agagaagggg atggagaggt caggctggct agagagtggg gttgagtcgt 60

ccatgccctt gaatgccagg atgagggcta aagagtcaaa tggaatgggt gacttcatat 120

gcagaagttt ttacaagaga agagaactca gttgggccaa gagaagtggg gtcgtcatgt 180

gggtaatcac gtaacagtga tcgttcagtc atgcggaatg ctttcaaggt gttggacac 239

&lt;210&gt; 298

&lt;211&gt; 278

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 298

cctctacgag gtgtgctatt ctcatcctca tcttataggc aagttaactg aggtataagg 60

aggttggtta tgtaacttga ccaagtcac acaataaggg actgggagat ctgggatttg 120

agccctggca gatggactcc atccaaagtc ctactatcc tagcacctct ctatcccctc 180

cctttcctct ctctacctt cttctgtgct gctttcaaac agacagttat ctctaccctt 240

aaaaacacag ctgtgctgac tactctgctt agatgccc 278

&lt;210&gt; 299

&lt;211&gt; 145

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (79)..(112)

&lt;223&gt; n is a, c, g, or t

&lt;400&gt; 299

cctctgggac aagtaagtca atgtgggcag ttcagtcgtc tgggtttttt ccccttttct 60

gttcatttca tctggctcnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntgcttccc 120

ctcactgccc aggtcgatca agtgg 145

&lt;210&gt; 300

&lt;211&gt; 42

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 300

tggtcaagaa ggactatgac gcccttcgga agaggtagag tg 42

<210> 301  
 <211> 256  
 <212> DNA  
 <213> Homo sapiens

<400> 301  
 agaatagcaa ctggctcagt ccttttaggtg tctacactaa tatcaaagga acaggccagg 60  
 cccaaggaga gagaggggaat atgtttctgt gcctgatcct ttctctagat tttatctcag 120  
 ttgtatgaca ttgaagcacc tgactgagca attgagcatg atgtgttctc ctgaccatcc 180  
 ttctaaaacc attttccacc agtttctacc ttctgatggc gcttttagtca cctgcactta 240  
 caaacaggtg cccaaa 256

<210> 302  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 302  
 ggctctgatg atggaccctc agtgatggat gaaacaagca atgatgcctt tgattcttta 60  
 gaaaggaagt gtatggaaaa agaaaaatgt aaaaaaccct ctagtttaaa acctgaaaag 120  
 attccttcca agagcctaaa gtcagcccggt ccattgccc ctgccatccc cccacagcaa 180  
 atctacacct tccagacagc caccttcaca gcagcgagcc caggctcttc ctcaggcttg 240  
 accgccacag tggcacaagc catgcccac acgtc 274

<210> 303  
 <211> 78  
 <212> DNA  
 <213> Homo sapiens

<400> 303  
 ttttcatgca gattagttag aattcactgc caggtttctt ctgcccacca aaatgatcca 60  
 gtctggaata acattttg 78

<210> 304  
 <211> 137  
 <212> DNA  
 <213> Homo sapiens

<400> 304  
 gtaggctagg gatcatgggg gaatagttag taatgacagg gatagttgaa cttaaaaaaa 60  
 aagtttgtga ggctgacaaa gatgaaacgg acacatttcc tgatcttgga gggttcatag 120  
 ggtagaagat ggtagat 137

<210> 305  
 <211> 161  
 <212> DNA  
 <213> Homo sapiens

<400> 305  
 gatggtggga tatttgtgtc tgtgttctta taatatatta ttattcttcc ttggttctag 60

# ADL\_0311WP\_Sequence\_Listing

aaaaatagat aaatatatatt ttttcaggaa atagtgtggt gtttccagtt tgatgttgct 120  
gggtggttga gtgagtgaat tttcatgtgg ctgggtgggt t 161

<210> 306  
<211> 255  
<212> DNA  
<213> Homo sapiens

<400> 306  
gaaacagcat gggaccgtgt gattgggtcc aggctgggct gtcagggaa cgccctggtg 60  
tctccgactc atcaattctc gggctcttttt ttaaaagcca ggctcccaa agcactcttt 120  
gtctcgaat tttgaggagg ttgttccgac ctggaagcgt taaactgctg catgtcatct 180  
ggcgtcagct gtgaggctgc gctctgcgtg ttgtgcgttt gcaaaatgta ttggcgtgac 240  
tgtaaacaca tcgtt 255

<210> 307  
<211> 289  
<212> DNA  
<213> Homo sapiens

<400> 307  
gtcaagctca gttgaggggt aatgatgagg caggctgatg cgggttcttt gccagtccc 60  
agggttcaa gaagccttcc tgggagaggg ggcctgagtt gaatggtgca agatgaacaa 120  
gaaatggcaa gatagagaaa ggtggggagg gcttcccagg cagaagagag agcatggcta 180  
aagggctagg ggcataaagc agcaggggac ccccagccat gtagtatcac tggaggatga 240  
gaataagggg gagaaggagg gagggagaga aggtatactt ctgagggca 289

<210> 308  
<211> 181  
<212> DNA  
<213> Homo sapiens

<400> 308  
agttcagggc tatagtgcgc tatgttgatc tgggtgttcat gctaagttcc gcatcaatat 60  
ggtgacttct agggagtggg ggaccaccag gttgcctaag gaggggtgaa cctgcctacg 120  
ttggaaatag agctgggtcaa aactcctgtg ctcatcagta gtagaatagc acctgtgaat 180  
a 181

<210> 309  
<211> 253  
<212> DNA  
<213> Homo sapiens

<400> 309  
gacagcttgg aaggaaggat tgaccatggg ttgattccat ggaggtagag aagcaagaga 60  
gacctgatga ttacaatgat ggctaagtgt agtatgccca ttaggattga attgaattag 120  
gggaaattgt gtgaagtgtt tggaaggaag caatattgtg tgattagctc caaagctggc 180  
cactggtaga agttgtttca atggaagaac aaggatggaa ttgagtgggc cagagagccc 240

## ADL\_0311WP\_Sequence\_Listing

tagattaatg ggt 253

<210> 310  
 <211> 159  
 <212> DNA  
 <213> Homo sapiens

<400> 310  
 tattcagcga aacttacctg aaggggttgc catggaagta acaaagacac aattagaaca 60  
 gttaccagaa cacatcaagg agccaatctg ggaaaacact atcagaagaa aaagaagaaa 120  
 gctagtcata aagcctcagg gaggccattt ttgcctaaa 159

<210> 311  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 311  
 caaatgcbag atcttcagtt gcagtgtgaa gccaatgtcc gcgaactgca tcagctgcag 60  
 aatgaaaaat gccacttggt ggttgagcat gagactcaga aactgaagga gttagatgag 120  
 gaacatagcc aagaattaaa ggagtggaga gagaaattga gacctaggag aaaggcactg 180  
 gaagaagagt ttgccaggaa actacaggaa caggaagtat tatataaaat gactggggag 240  
 tctgaatgcc ttaacacatc aaccccgga 269

<210> 312  
 <211> 234  
 <212> DNA  
 <213> Homo sapiens

<400> 312  
 tttcagaaac tgtcaaagt accatatttg tattaagagt tggtgggaat tttgtacaa 60  
 tgaatttaca tttatttatg gtgacatatt tacgcttgat atcaaataat gatgttaa 120  
 tcttaaatca tttttgctat gcagctgaag atgatatttt gatttgtatt ttgggggtac 180  
 ctgtgttgag ttgataaaca tttccatctt cattaaaact gcttccaaac taaa 234

<210> 313  
 <211> 32  
 <212> DNA  
 <213> Homo sapiens

<400> 313  
 taaagcatgg atctcgcttt ggttgtaaaa aa 32

<210> 314  
 <211> 221  
 <212> DNA  
 <213> Homo sapiens

<400> 314  
 atgggtggggg tctctcacct tcttgaccct ctctccatca ttcagctgcc agcccaggct 60  
 tcacacccaa gctggctcag cagccgagcc tggcaccgag ggtccctgca ggctccctgg 120

ADL\_0311WP\_Sequence\_Listing

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| gcagggagag ggccaaggac aattgggagg gcagcaggca gcccgcagat ggtggccatg | 180 |
| tggcacgctg ctgagacgac actaccaata aaccaaactg c                     | 221 |

<210> 315  
 <211> 238  
 <212> DNA  
 <213> Homo sapiens

|                                                                                |     |
|--------------------------------------------------------------------------------|-----|
| <400> 315<br>ctgcccgtct gtaagttcca ggtggtgatt ccgaaatcct aagcctgcct cgcacctgct | 60  |
| gagccgcact gctgcccctg gcctcaccgg cctcaggaga cgggtggggcc gctgcatttc             | 120 |
| ggggtggtct tgggaatccc aggccctagg ggtcacatctt gctcaggaag tgggtatcaa             | 180 |
| attgaggtgg ggggtgtcaga ggaggcaaag ggggtcccagc tgcggtcagg actgtggt              | 238 |

<210> 316  
 <211> 36  
 <212> DNA  
 <213> Homo sapiens

|                                                      |    |
|------------------------------------------------------|----|
| <400> 316<br>cctgggtgac ggaataagac tcggtctcca aaagaa | 36 |
|------------------------------------------------------|----|

<210> 317  
 <211> 87  
 <212> DNA  
 <213> Homo sapiens

|                                                                              |    |
|------------------------------------------------------------------------------|----|
| <400> 317<br>aaggctgcta gggatgtag acctcggcca ggacccacca cattgcttcc taataccac | 60 |
| ccttcctcac gacctcattt ctgggca                                                | 87 |

<210> 318  
 <211> 59  
 <212> DNA  
 <213> Homo sapiens

|                                                                               |    |
|-------------------------------------------------------------------------------|----|
| <400> 318<br>tacctgttta tctgtaactg ttatccaaac aaattaaata ctgtggatgc ctttaaaaa | 59 |
|-------------------------------------------------------------------------------|----|

<210> 319  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

|                                                                                 |     |
|---------------------------------------------------------------------------------|-----|
| <400> 319<br>gacagtggat aactttcaaa gaggcattctt tgtgtggccc atgaactttg gttggagaac | 60  |
| aattcctcca gatgtcactg caaaaaaaca gaattaaaga aactgatata ataaggtgcc               | 120 |
| ctgtcatggc tgggtgattg ttttctactg acaaaagtta cttttttgaa cttggaacat               | 180 |
| acgaccctgg ccttgatgtt tgggggtgggg aaaatatgga gctctcattc aaggtgtgga              | 240 |
| tgtgtggtgg tgaaattgag atcattccct gctcccagat gggccatata ttcagaaat                | 299 |

<210> 320  
 <211> 260

## ADL\_0311WP\_Sequence\_Listing

<212> DNA  
 <213> Homo sapiens  
  
 <400> 320  
 atgagtatct cagctccttc aagggtggcac agtacgtcgt gcgggaagaa gacaagattg 60  
 aggaaattga gcgagagatc atcaagcagg aggagaaatgt ggaccctgac tactgggaga 120  
 agctgctgag gcatcactat gagcaacagc aggaagacct agcccggaat ctaggcaagg 180  
 gcaagcgggt tcgcaagcaa gttaactaca atgatgctgc tcaggaagac caagacaacc 240  
 agtcagagta ctcggtgggt 260  
  
 <210> 321  
 <211> 131  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 321  
 ctatggccgg ataactaagg atgtggtgct ccaatgggga gaaatgcca cgtctgtggc 60  
 ctacattcat tccaatcaga taatgggctg gggcgagaaa gctattgaga tccggtcagt 120  
 ggaaacagga c 131  
  
 <210> 322  
 <211> 137  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 322  
 ccaccattgc ggggtcccca ggaagccagg tgacccagg tgggaggctg tgtgtggagg 60  
 ccaccttga aggaagtta gacctgcca ggtgtggagc gaggggcaca ggggcacct 120  
 aacctcagaa actgaaa 137  
  
 <210> 323  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 323  
 agcaaagtgt attctccatc tggcctcaga gcagatgcca agcctaattg ggccaccaga 60  
 tccgtgaagg tggtttgctg ttttccagcc agctcaataa cttgtttggc agaatcagga 120  
 attaggacct gatcaatcaa atggatcaca ccattagttg gtcacaatat cttttgttgt 180  
 tcaccatttt gattccattt actgttatac tgtcaccgtc acatcctatc tcaattgtat 240  
 ttccttcag cgtctcaaga ctgctactcc cataata 277  
  
 <210> 324  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 324  
 gcttgcccca gaacttagtc tctttgcca gcctcaccac tcctgggtgct catcagactc 60  
 ttgccacccc tggctccac tccctgcttg cctctgggtg agctgcacag agctctggga 120

ADL\_0311WP\_Sequence\_Listing

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| agaggccctc ttcctccccg cactggggcg atggg'gcac ctcagactta cccactgctg | 180 |
| ctgccaccac caacccttg atccctcagt cctccacac agcttctgtc caccacaggt   | 240 |
| ttccctcacc ccacctttgc taagtcttcc t                                | 271 |

<210> 325  
 <211> 225  
 <212> DNA  
 <213> Homo sapiens

|                                                                                |     |
|--------------------------------------------------------------------------------|-----|
| <400> 325<br>gccctgctgc gaagtggagt ccgaggatcat gatgagtgc tatgagagcg gggacgacgg | 60  |
| tcacttcgaa gaggtgacga tcccgcccct ggattcccag cagcacacgg aagtctgact              | 120 |
| ctcaactccc cccaaagtgc ctgacttttag tgaacctaga ggtgatgtgc gtcacccgcg             | 180 |
| ctgttctttg cagcagtgc tccaagcttt tttgggtgag ccgaa                               | 225 |

<210> 326  
 <211> 68  
 <212> DNA  
 <213> Homo sapiens

|                                                                                |    |
|--------------------------------------------------------------------------------|----|
| <400> 326<br>agaagcaaca cgatgatggg cccccagtt tgaatttcag acagtggagg agggaaatatt | 60 |
| gctaggag                                                                       | 68 |

<210> 327  
 <211> 272  
 <212> DNA  
 <213> Homo sapiens

|                                                                               |     |
|-------------------------------------------------------------------------------|-----|
| <400> 327<br>tactctcagc agtcagaggc ttgcttgctc tgtgcagatt tttaattttc ttttttgcc | 60  |
| ctaggctggg tgggacctct acagcttcat tctttcacca ttaaatagtg gcctttttca             | 120 |
| gtattttccc tcttcccctt tataaattat gctaaagcca caaagcacat ttttggggat             | 180 |
| catagaaggt tgggggtcca gaaaggcatc tgtgtgatgg ttccattgat gtgggatttc             | 240 |
| cctacttgct gtattctcag tttctaataa aa                                           | 272 |

<210> 328  
 <211> 285  
 <212> DNA  
 <213> Homo sapiens

|                                                                               |     |
|-------------------------------------------------------------------------------|-----|
| <400> 328<br>aaggactgtc caagagccag ccagttcagg gctcaggcct caccattgc ccactcctgg | 60  |
| ggagaccatc acctggctca tcgtttccac caagagtgcc ccacaggagt gcccacaga              | 120 |
| cccgtggac cagcctgctg cgggtcctgg ccaggggtct ggctaacggg gagggctgac              | 180 |
| tctgaactgt ctctcagtct ccagaaagtg ttcaagcctg ttgtgttccc aaatctgatt             | 240 |
| cctcctattg tcttgtaaata caaactctaa gtgaaaactt cccat                            | 285 |

<210> 329

## ADL\_0311WP\_Sequence\_Listing

<211> 231  
 <212> DNA  
 <213> Homo sapiens

<400> 329  
 gaaggtcata acagtttcaa acaatagcca gggaagttag agtcacctag agacatcctt 60  
 aacacgtgcc cctgagctac ttttcagaaa cccagacccc caccaaatgg attcacacag 120  
 acgtcagata agggggaaca ccagggacta aactctgacc tccattcttt gctctcagtt 180  
 tcttcctgag gggcctggcc agaccttaat gttcctttct gcggacccca a 231

<210> 330  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 330  
 cacctgcact ctagtgaccc tgggtgccgc cagacccttc tcttctacaa agaccccagc 60  
 aggagtggga gggctctgcaa tggcatcgcc ctgtcctgcc ttggccagaa gcctggagct 120  
 ttggtttgag gaggtagaga tatgtgtatc cataggaaga gatctgtcag aacaggcagc 180  
 tgttgagctc ggggtgtctt cctcaaggca tgtggctcag cagcaagaaa ggcaagttgc 240  
 tcctgctggg gccctggact ctgccttagc tcc 273

<210> 331  
 <211> 133  
 <212> DNA  
 <213> Homo sapiens

<400> 331  
 tctctccagc ctctcttagg aggggtaatg gtggagttgg catcttgtaa ctctccttc 60  
 tcctttcttc ccctttctct gcccgcttt cccatcctgc tgtagacttc ttgattgtca 120  
 gtctgtgtca cat 133

<210> 332  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<400> 332  
 atccacggcc gcgtagaaa gagggtcgca cgctgccgcc gaggtagagg ggtccccgag 60  
 tcctggggcc tcgcaccca cagcccagat cccttccccg cggaaggagac tcgtggctgt 120  
 gggtagagac gcgcgcttg gcgcccagc cctgcaggca ggagctgagc ggcgcaggga 180  
 cacgggcagc tgggaggggc gcctggtgat ttactcactt ccctcctagc cagagaagtgc 240  
 cagcaattcc aaacagttct cataggagcg tccctgacaa cttcatgtta ta 292

<210> 333  
 <211> 211  
 <212> DNA  
 <213> Homo sapiens

<400> 333  
 gtaccacaaa cacactcaac ttgtctatga attagagAAC aagatactgc tgctgcttct 60

## ADL\_0311WP\_Sequence\_Listing

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| ttttgacttt tgaaatatac aatgttttgt aggctctgcc cttcaatgtg aaagcaggac | 120 |
| attaaatttg aaattatttg acaattaaat gtttaggacc atctaacttc aactgcaaaa | 180 |
| ctaaacagat ctaccttgct cttccttcaa a                                | 211 |

<210> 334  
 <211> 142  
 <212> DNA  
 <213> Homo sapiens

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| <400> 334                                                          |     |
| ggttcatttt agtttcagat agatggcttc accaaagaac tcttgaaaga atactgatta  | 60  |
| gggaggggca ggggaagtagg agcttatggg atattataag gctgggaaaa atctatgatg | 120 |
| caaacccttt ccacatagta ct                                           | 142 |

<210> 335  
 <211> 208  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (56)..(56)  
 <223> n is a, c, g, or t

<220>  
 <221> misc\_feature  
 <222> (65)..(65)  
 <223> n is a, c, g, or t

<220>  
 <221> misc\_feature  
 <222> (114)..(114)  
 <223> n is a, c, g, or t

<220>  
 <221> misc\_feature  
 <222> (142)..(142)  
 <223> n is a, c, g, or t

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| <400> 335                                                          |     |
| actcattctt aacctaatac cctaaaataa ttcttatcat ctattcttct tcaggnaaaa  | 60  |
| atgnggccct ggggtgttatt ttaacgactt gccatccttc ctgttttgag agtntctttg | 120 |
| ttaactgggg gcataccttc gngacccggg cctaccttcc tcattcagac ctgtgctgtt  | 180 |
| cattgctgta ttcccagctc cttaaaaa                                     | 208 |

<210> 336  
 <211> 227  
 <212> DNA  
 <213> Homo sapiens

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| <400> 336                                                          |     |
| atatctgaca gatgtgtaaa ccaagttacc agcatgggtgt ggaatcgtag ttccaagtca | 60  |
| tataatacca gacattcaag aaaactagtg ccctgttaac tgggggaagc aaatttatat  | 120 |
| ccttttgga gaaagtcacc ttattctgtg tatcagaaat ctctttcaaa taacctttca   | 180 |

# ADL\_0311WP\_Sequence\_Listing

gaactataga gcatcatata aagatgacca agcatacaag aaaacaa 227

<210> 337  
<211> 101  
<212> DNA  
<213> Homo sapiens

<400> 337  
aacatcaaag ctggattaga acatctgcca ccagctgaac aggccaaagg cagactacag 60  
ctggttcttg aagctgctgc aaaagctgat gaagcattga a 101

<210> 338  
<211> 212  
<212> DNA  
<213> Homo sapiens

<400> 338  
agccttagca aaaatgcctc ctcaccactc cccaggagaa tttttataaa aagcataatc 60  
actgattcct tctactgacat aatgtaggaa gcctctgagg agaaaaacaa agggagaaac 120  
atagagaacg gttgctactg gcagaagcat aagatctttg tacaatattg ctggccctgg 180  
ttcacctggt tactgttatc acaataatgc ta 212

<210> 339  
<211> 235  
<212> DNA  
<213> Homo sapiens

<400> 339  
acagagtcac ttgagctttc tccccctccg ctagtatctt tacaggagca gggaagagca 60  
gtagaggatg tataatcttg ggcgaagtta aattacaatt tatttgaggt tattcctaaa 120  
cctattttatt tgggtgtttg gaggagatca cacactaaga gaacgttgat tgcctcggct 180  
attgtgctgg ctggacactt tggtcacttt tgaagcatgt taataaatgt cactg 235

<210> 340  
<211> 271  
<212> DNA  
<213> Homo sapiens

<400> 340  
tccaaacacc ggcagaaaac ggagagtgtt tgggtggtgg gtgctggagg attttccagt 60  
tctgacacac gtattttatat ttggaaagag accagcaccg agctcggcac ctccccggcc 120  
tctctcttcc cagctgcaga tgccacacct gctccttctt gctttccccg ggggaggaag 180  
gggggtgtgg tcggggagct ggggtacagg tttggggagg gggaagagaa atttttatct 240  
ttgaaccctt gtgtcccttt tgcataagat t 271

<210> 341  
<211> 270  
<212> DNA  
<213> Homo sapiens

<400> 341

# ADL\_0311WP\_Sequence\_Listing

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| tgaggagcgg gaggggttccg ccactccagt tttctcctct gcttctttgc ctccctcaga | 60  |
| tagaaaacag ccccccactcc agtccactcc tgaccctctt cctcaaggga aggccttggg | 120 |
| tggccccctc tcctttctct agctctggag gtgctgctct agggcagggga attatgggag | 180 |
| aagtgggggc agcccaggcg gtttcacgcc ccacactttg tacagaccga gaggccagtt  | 240 |
| gatctgctct gttttatact agtgacaata                                   | 270 |

<210> 342  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| <400> 342                                                          |     |
| aaagactcat cataaggggc cttcctcttt tctatcctcc ctccatattc agttgctaag  | 60  |
| tctcaactac tttgctccca tcaagattct ctttactatt tcttctatcc agaccttcct  | 120 |
| ctttatttcct attgtcattg tcttatttta ggttctcatc atctttcact aagataacta | 180 |
| caacagcttc gtgaccagcg taggcaa                                      | 207 |

<210> 343  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| <400> 343                                                         |     |
| gctcaaatag ctataactgt accaaagaca tggaagaaac caaaagatcg gacccgaacc | 60  |
| actgaagaga tgtagaggc agaattggag cttaaagctg aagaggagct ttccattgac  | 120 |
| aaagtacttg aatctgaaca agataaaatg agccaggggt ttcacctga aagagacccc  | 180 |
| tctgacctta                                                        | 189 |

<210> 344  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| <400> 344                                                         |     |
| tgcgaatctt ctgcagctcc atcagcatcc atgtatcttg cttgtcattt tctctgttgg | 60  |
| ttacaattac tttattatgg ttgacatctt ggcagggtcc atgatgagtg atttcagtag | 120 |
| tggtcactgt ctggtgctgg ggatagccag ggagctgaat gaccaggggc tggtaatgct | 180 |
| tctgggcatc ggtgaactga gactgtattt tccgcttgct atcatctcca aacatctcta | 240 |
| agccttggct atttctgatg aactcttggc actgtaactc aaggctcggat at        | 292 |

<210> 345  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| <400> 345                                                          |     |
| caactatgcg gagcgggtcg gtgctggagc gccgggtgtac ctggcggcgg tgctggagta | 60  |
| cctgaccgcc gagatcctgg agctggctgg caacgcggcc cgcgacaaca agaagactcg  | 120 |

ADL\_0311WP\_Sequence\_Listing

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| catcatcccg cgtcacctcc agctggccat ccgcaacgat gaggagctca acaagcttct | 180 |
| gggcaaagtc accatcgcac aggggtggcgt cctgccaac atccaggccg tgctgctgcc | 240 |
| aaagaaaact gagagccacc acaagactaa gtaaagaccg agttga                | 286 |

<210> 346  
 <211> 247  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (80)..(131)  
 <223> n is a, c, g, or t

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| <400> 346                                                          |     |
| catatttcag cggatcatca actttttctc ctaccatact atcctcagac aaagaaacca  | 60  |
| ttgaaattat agacctagcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  | 120 |
| nnnnnnnnnn ngtggtggt aaagaggata atacagacac tgaccaagag aagaaagaag   | 180 |
| aaaaggggtgt ttcggaaaga gaaaacaatg aattagaagt ggaagaaagt caagaagtga | 240 |
| gtgatca                                                            | 247 |

<210> 347  
 <211> 55  
 <212> DNA  
 <213> Homo sapiens

|                                                              |    |
|--------------------------------------------------------------|----|
| <400> 347                                                    |    |
| tgctcttaaa cccaaagggg cttcactgaa gagcccactt ccaagtcaat aaaaa | 55 |

<210> 348  
 <211> 291  
 <212> DNA  
 <213> Homo sapiens

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| <400> 348                                                         |     |
| cttctcttgg gctgagatgc tgctgccagc tctaaaacag cactctgttc tcaaaacctc | 60  |
| atggcaggct cctggctcca atactcagct gccaaacatg atgctgattc ttcacgaatt | 120 |
| tgcaaccag ttctctcggg ttgacacacc cccactgtgg gccggggaac cgggtcccgg  | 180 |
| ccttcgcaga ctccaggctc tggcagatgt ggccctccat aacaacggga atgaaaaggt | 240 |
| cacaccttat gtgcgccagg cccttaagga gtcggaatat cccaatcctc c          | 291 |

<210> 349  
 <211> 47  
 <212> DNA  
 <213> Homo sapiens

|                                                     |    |
|-----------------------------------------------------|----|
| <400> 349                                           |    |
| tgctgtggta ctttgctgtg tactccgtgg catcatgtta ctgtgta | 47 |

<210> 350  
 <211> 255  
 <212> DNA

## ADL\_0311WP\_Sequence\_Listing

&lt;213&gt; Homo sapiens

<400> 350  
 ggagtttgtg actagatggg caatatagta agatgtcatc ttttaaaaat gaaaaaatta 60  
 gctggccact gtggcacacg cctgtagtcc cagctacttg ggaagctgag gtaggaggat 120  
 tgcttgagcc caggagttca aggctgcagt gagctatgat tgtgcttatg aatagccact 180  
 gcaactccagt ctgggcaata gtgagtcggg caaattccat ttccccctcc gcccataacc 240  
 tcttcaaagt tttaa 255

<210> 351  
 <211> 145  
 <212> DNA  
 <213> Homo sapiens

<400> 351  
 cacttcctga cggatgccag cttgggcact gctgtctact gacccaacc cttgatgata 60  
 tgtatttatt catttggtat tttaccagct atttattgag tgtcttttat gtaggctaaa 120  
 tgaacatagg tctctggcct cacgg 145

<210> 352  
 <211> 150  
 <212> DNA  
 <213> Homo sapiens

<400> 352  
 agcctaggca atgcagcgag gccttgctta gaaaatttaa aaaaaaaaaa aaaaattagc 60  
 tgggcgtggg ggcacgtacc tgtagttcca gctactcggg aggctgaggc ggcaggatct 120  
 cttgagctaa gtagttcgag gctgaagtga 150

<210> 353  
 <211> 173  
 <212> DNA  
 <213> Homo sapiens

<400> 353  
 ttagccaagt atggtggcac gcgcctgtaa tcccagcaac ttggaaggct gaggcaggag 60  
 aatcgcttga acctgggagg cagaggttgc agtgagccaa gatcagacca ctaccgcccc 120  
 gcgctggctt gccctcctgt tctccagagc aataaagttg gacgagacta ccc 173

<210> 354  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 354  
 cacagctctt cttggcgtat ttatactcac tgagtcttaa cttttcacca ggggtgctca 60  
 cctctgcccc tattgggaga ggtcataaaa tgtctcgagt cctaaggcct taggggtcat 120  
 gtatgatgag catacacaca ggtaattata aaccacatt cttaccattt cacacata 178

<210> 355  
 <211> 295

## ADL\_0311WP\_Sequence\_Listing

```

<212> DNA
<213> Homo sapiens

<400> 355
ggatggcacc atgtttgaga ggctacagag gagacccaga gccagtaagc aagacataga      60
gtttatagag aggacttaca gcatagtcca gtggcagcgg gctagacagg agaaccgcaa      120
tggcttgaaa aagcacgaag tataaagcgt tgagctcaac ggtttatact tcagagaaac      180
tcaacaatca actgaaggca ctaactgaga aaaacaaaga acttgaaatg gctcaggatc      240
gcaatatggc cattcagagc caatttaca gaccaaagga agcatcagaa gctga          295

<210> 356
<211> 255
<212> DNA
<213> Homo sapiens

<400> 356
atttcttttag ctgaccatag tgagtcttcc ttgagttcac gtttcttccc aatttcattt      60
tcttgagata ttttgctact ttctgggtact gcttcatcac tgaaagtgtc atttgtttct      120
atatccatcc ttggcctttt tctaacattg acatcttcct cctgtttttg aactttcaca      180
tcaatttcta actctgggtt tgtgtccttg aataactgtt ccaatacttc atcttctatg      240
gccacatcat ccatt          255

<210> 357
<211> 266
<212> DNA
<213> Homo sapiens

<400> 357
gtatcaaatt cacgccatgc aaaaagatta taaatgtaat aagcatgtat gtgtgtgagg      60
agattcagtc ataaccaaac gctcattcaa catcaaagaa tttataccta agagaactta      120
tttgggtgta gtaaattggc gatctttcaa taggagttta actagtcttt gtcatatcag      180
aatatccata gtagacaaga atttgatgta acgcaaattg aaaaactcga caccacattt      240
caggctttac ccaacatcga aataat          266

<210> 358
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<400> 358
cgttcagtag aaacatttat gcggtaggct cagatgttgt aatttgcact taggtaccag      60
gtgtcaggaa acagactaaa aagaattcca ccaggctgtt tggagatcct catcttggag      120
ctttttcaaa agcggngctt catctgcaaa gggccctttc atcttgaagt ttttcccctc      180
cgtctttccc ctcccctggc atggacacct tgtgttttagg atcatctctg caagtttcct      240

```

## ADL\_0311WP\_Sequence\_Listing

aggctctgaat ctgcgagtag atgaacctgc a 271

<210> 359  
 <211> 204  
 <212> DNA  
 <213> Homo sapiens

<400> 359  
 gtaccacaaa cacactcaac ttgtctatga attagagaac aagatactgc tgctgcttct 60  
 ttttgacttt tgaaatatac aatgttttgt aggctctgcc cttcaatgtg aaagcaggac 120  
 attaaatttg aaattatttg acaattaaat gtttaggacc atctaacttc aactgcaaaa 180  
 ctaaacagat ctaccttgtc cttc 204

<210> 360  
 <211> 185  
 <212> DNA  
 <213> Homo sapiens

<400> 360  
 attacagtta tagctctctc aagcaaaaaa acagcagaga aaaacttagt ttaccttagg 60  
 ggctatattat ttacttaggg atttgtaaa aggtcgaatg gggtcacaca gaatactaag 120  
 aagagctggt caccagggcc tactaagaa ctcttcttca ttcagtagct gtatagtaac 180  
 atgac 185

<210> 361  
 <211> 54  
 <212> DNA  
 <213> Homo sapiens

<400> 361  
 ctttagtagt ttctcgtcag tcccgcagcc accgcagccg ggtccccct cgtg 54

<210> 362  
 <211> 261  
 <212> DNA  
 <213> Homo sapiens

<400> 362  
 agagaggggg ctcacctctt atcctcggcg acccactgca caagcaggcc gctctcccag 60  
 acttaaaatg tatcaccact aacctgtgag ggggacccaa tctggactcc ttccccgcct 120  
 tgggacatcg caggccggga agcagtgtcc gccaggcctg ggccaggaga gctccaggaa 180  
 gggcactgag cgctgctggc gcgaggcctc ggacatccgc aggcaccagg gaaagtctcc 240  
 tggggcgatc tgtaaataaa c 261

<210> 363  
 <211> 236  
 <212> DNA  
 <213> Homo sapiens

<400> 363  
 ctgaatgggc agagctggat ttacagggt tgggattttg ccaggtagt aagatagagg 60

# ADL\_0311WP\_Sequence\_Listing

ggagaagtgg gaccaggaag ttccaggtct gtgaacgggc ctggctgagg agctggatca 120  
 tgaaatctcg agtcaagtaa gaaggaaatt gaggacacga gttgggtatt gcatagtgtt 180  
 actgtgttaa ggtcaggggt caaagactta ctggcatgga gtaaccagag taagtg 236

<210> 364  
 <211> 179  
 <212> DNA  
 <213> Homo sapiens

<400> 364  
 caggcaaaaa cgtccccgaa gccagcagtt gtagagactg ttacaacagc caagccacag 60  
 cagatacaag cgctgatgga tgaagtgaca aaacaaggaa acattgtccg aaaactgaaa 120  
 gcacaaaagg cagacaagaa cgaggttgct gcggaggtgg cgaaactctt ggatctaaa 179

<210> 365  
 <211> 167  
 <212> DNA  
 <213> Homo sapiens

<400> 365  
 cagagtcccg tgtgtcctaa aaatctccta aaaccagtct atgaactcag ggctttaaaa 60  
 catttttaaat ttatttggtc attcaattta cttgttttta atacatgatt ctctatgaaa 120  
 ttgatgggct caaactagct gtgaatcttc tgagagtgaag agcaaca 167

<210> 366  
 <211> 280  
 <212> DNA  
 <213> Homo sapiens

<400> 366  
 tataaagtaa ccctatgatg ctcccccttac gagaaaacaa aactgtacac atttataaac 60  
 aaacagtctc tcccatcagt taacacacag agccttctct acaccaaagt ctctttccgt 120  
 ttgccaccag aaagggtttt gtccctcgct cttcggatgc cgggctgtgt ctggtgtgtc 180  
 ttttaagctct tgctgtcctc tgccatctgc atgccagagc cacatctgta agcgttttca 240  
 tcaacttcta cctgagtaac actggaaact gtcctcgtgc 280

<210> 367  
 <211> 176  
 <212> DNA  
 <213> Homo sapiens

<400> 367  
 acagctcctt tgacctcagt gacaggcact cacctacctg acccccaaac tgaagcctca 60  
 cttttccag ccgtgtccac accctctggg ctacccatt accatgacaa gtattccctc 120  
 tgctccagga gaaaagccag gtcccagacc tgaccatta aaaccaatc attcca 176

<210> 368  
 <211> 69  
 <212> DNA  
 <213> Homo sapiens

## ADL\_0311WP\_Sequence\_Listing

<400> 368  
 gaccaggaag tcctataaag aattatattt ctatagaatt aaaaatgcag ttctgtcagc 60  
 ctggacaac 69

<210> 369  
 <211> 200  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (55)..(55)  
 <223> n is a, c, g, or t

<400> 369  
 ataagaactt atgggatttc ctacacggag acaaaaaaag atattccttt atgtngttta 60  
 aaagtggcag ctgctctttc tttattccat tttaatcaat gagtattgat tcaagttttc 120  
 ctttctattt ttccttatga taagtttctt acagtagctt atacaacaac aaatagcata 180  
 gaaaaactac tggattcaat 200

<210> 370  
 <211> 110  
 <212> DNA  
 <213> Homo sapiens

<400> 370  
 acaggtaacc ttctcactaa gtgggggtgt ctgaggccag ggagagctct actcattccc 60  
 ctgtgtgatc ccagcagtga gcatagagca ggtgccctgc aatgttaagc 110

<210> 371  
 <211> 156  
 <212> DNA  
 <213> Homo sapiens

<400> 371  
 agaaagaata aagcaggatc catagaaata attaggaaaa cgatgaacct gcaggaaagt 60  
 gaatgatggt ttgttgttct tctttcctaa attagtgatc ctttcaaagg ggctgatctg 120  
 gccaaagtat tcaataaaac gtaagatttc ttcatt 156

<210> 372  
 <211> 50  
 <212> DNA  
 <213> Homo sapiens

<400> 372  
 gattgctgag caggggaagct ttgcatgttg ctctaaggta catttttaaa 50

<210> 373  
 <211> 64  
 <212> DNA  
 <213> Homo sapiens

<400> 373  
 caccatgc actgtacaaa tactgcaaac actatagttg cattcatagg accattaaaa 60

aaaa

64

<210> 374  
 <211> 95  
 <212> DNA  
 <213> Homo sapiens

<400> 374  
 ttctgagggga ctgcttcttg agccggccct cttgtgtgat tgaattagtc agtgatgggt 60  
 ctcaggacta gattagattg ttactcttaa aataa 95

<210> 375  
 <211> 291  
 <212> DNA  
 <213> Homo sapiens

<400> 375  
 ggccgcttca gacaaccacc tgaaaaagcc aaagcacaga gacccagaga aagccaaatt 60  
 ggacaaaagc aagcaagggtc tggacagctt tgacacagga aaaggagcag gagacctgtt 120  
 gcccaaggta aaagagaagg gttctaaca cctaaagact ccagaaggga aagtcaaaac 180  
 taatttggat agaaagtcac tgggctccct ccctaaagtt gaggagacag atatggagga 240  
 tgaattcgag cagccaacca tgtcttttga atcctacctc agctatgacc a 291

<210> 376  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 376  
 acaactggaa ttaggatttt ctcctgatga aggaaaaaaa gacattaagt ctgcattata 60  
 tttttaaac catgaaaaga ctgaaaccaa ccaaacaataa gaaaaacttg acttggttatt 120  
 agaacagtca ttattatttt ttttcttctt caaaactgtt attttaccat gttgtatctt 180  
 cttcccaaag taatatgcag atgaagcaaa ataactcagc aaagtgtcat ggaccaagcc 240  
 ctttccatca tttctagcat taaagtga 269

<210> 377  
 <211> 291  
 <212> DNA  
 <213> Homo sapiens

<400> 377  
 tggatgtgtt gctgttggcc aagaagaatg agaaggagcg aatttgggca gtgggacctc 60  
 caggcagcct tacagttttc agttggggag tgagatgaga cctggaattt aggggtctgt 120  
 gtagttaaaa ccatgcggtg tacaagattg cccagattga gtatgtggaa ggtgtgatgg 180  
 ggaggagaga gagtgttagg aagtgtctgg gtcctgccat ctgagaacag gagcccagag 240  
 gcagcatatg cagcccgaag ggagagaatc catgctgagg gtcgtgaata c 291

<210> 378  
 <211> 43  
 <212> DNA

## ADL\_0311WP\_Sequence\_Listing

<213> Homo sapiens  
 <400> 378  
 gagaaacagc tgtcacctcc cgcagaccct aatcctctct cgc 43

<210> 379  
 <211> 44  
 <212> DNA  
 <213> Homo sapiens

<400> 379  
 aatattgttg ctgatttcag agggatattc actaataaat gtat 44

<210> 380  
 <211> 187  
 <212> DNA  
 <213> Homo sapiens

<400> 380  
 attctgaatc atcactggga gcaaaacaca gactcacaag aggaagggca agagaaggggt 60  
 aaagaacaag agagaccacc tgaggcagtg agcaagtttg caaagcggaa caatgaagaa 120  
 actgtaatgt cagctagaga caggtacttg gccaggcaga tggcgcggggt taatgcaaag 180  
 acctata 187

<210> 381  
 <211> 152  
 <212> DNA  
 <213> Homo sapiens

<400> 381  
 attgcttgaa ctgggtaact gatttgatgt aaatgccaaa ggagaaggag taaaaggaaa 60  
 atgacataga gtctgagcta gagtaacagg gacagtatta attaataatta accaaatatac 120  
 aaataagaac atttaagaga cgagccacca tg 152

<210> 382  
 <211> 272  
 <212> DNA  
 <213> Homo sapiens

<400> 382  
 ctgctgtggt gttatttgct taatggacca tttaaggaat tctcgaatac accgaccaca 60  
 aaaatctctt aaagtactgt caacagggtc cacaattcca tccaatatag cttctagtaa 120  
 ggcaacagta tcctgacttt caaatttctt gttgttagtg aaccagtga tccagctgcat 180  
 aactagtggc tcatacagtt gccttgtcac ctgatcaaca tcacacgcaa gtcgaagcag 240  
 cacaggaaac gtccgcttat agagctggta ca 272

<210> 383  
 <211> 184  
 <212> DNA  
 <213> Homo sapiens

<400> 383  
 ctgaatttgc ccatccacct gggtcacttt gagagtgttg caggggggct gggagcactg 60

# ADL\_0311WP\_Sequence\_Listing

gtgtttcacgt gggaccacag gctgcacccat aagacccact cacaataaaa aaataaaaagg 120  
ccgagccggg catggttgct cactcccgtataataaaaaat aaaagaacag gctgagccgg 180  
gaaa 184

<210> 384  
<211> 191  
<212> DNA  
<213> Homo sapiens

<400> 384  
ccagaaaaag caccatgc actgtacaaa tactgcaaac actatagttg cattcatagg 60  
accattaaaa aaaaagagcc aaattacaaa acaatctata ttttacaaac atttcagttg 120  
ggttcttaag ctaaagatat tactgtttac tttggtacga taactagaaa acacaaacat 180  
tatgctccag a 191

<210> 385  
<211> 278  
<212> DNA  
<213> Homo sapiens

<400> 385  
tctttgtcct ggtcgtcttg gtaaagtgt agtcgcgtat ctgagacata gattgtgctt 60  
tattcggtagc tgtggagagt agaaactagc agcagtagct ggaaaggggc cctgatctgc 120  
gggtgtggat gagtagagac tcttcagttg agatttagct ctagttaggg ttgggtgcaa 180  
caaatgtagg aaagagtga gagatgagca gctcatgtct gagtttattc tgtttctgtt 240  
actgtgtcac agaccagcct cagatcatag ttcatgat 278

<210> 386  
<211> 281  
<212> DNA  
<213> Homo sapiens

<400> 386  
gctcattgct gactgttttc cttaaaagct gggaaggctg tgggtcaatt cagctcgcca 60  
cctgtttctg tactgcccac aagctgagaa tgaattttgt acttttaaatt gggtgggggg 120  
aggggagaat attttctgac acaagatata tgacattcac acttgagtgt caaagttttt 180  
aggaacacag ccacgcccac ttgtttacac tttactcctt ccactttaca atgaagaggt 240  
atgaggagct gctacagaaa ctttctggct tgcaaagttt a 281

<210> 387  
<211> 94  
<212> DNA  
<213> Homo sapiens

<400> 387  
attttgagaga aaaatacgct agattttaaa tgtagagct gttcccggag acttattgca 60  
gaaatagatg agaagcaaat caagactact attc 94

<210> 388

## ADL\_0311WP\_Sequence\_Listing

<211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 388  
 gctgacagtg agtactgatg gcctggatgt aggggtgaga gaaagagagg gggctaggat 60  
 gaccctgagg tttgggcctg gacaccagct gaggggtgaa gatactgcat tgagggaccc 120  
 caggggtcggg gtttgcaggg agtggccaga aggccttggtg aagaatcaga gacgtggctg 180  
 agtctgttctg gtgctgggtg cccgtcagac agctgcgtga gatggcaagg agacagttgg 240  
 atacgcatac ctgaagttga gagag 265

<210> 389  
 <211> 261  
 <212> DNA  
 <213> Homo sapiens

<400> 389  
 actgcctggc agaacatacc actgaactag tatgtgctag aggagggcac aaacatccgc 60  
 tccttcccta ggcctgctgg ctctggtttt ctatgcagat gattcattgg attgggggtg 120  
 agtgttttgt ttttctgggg gcagtgtgag ctttgagggt tggaatattg ggaggcattc 180  
 cttagtttcc tcaactagcc tggaaagtta ggagtctagg gtaattaccc cccaatgagt 240  
 ctgcctact attcactgct t 261

<210> 390  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 390  
 aaagctgtgt ttatatggaa gaaagtaagg tgcttggagt ttacctggct tatttaatat 60  
 gcttataacc tagttaaaga aaggaaaaga aaacaaaaaa cgaatgaaaa taactgaatt 120  
 tggaggctgg agtaatcaga ttactgcttt aatcagaaac cctcattgtg tttctaccgg 180  
 agagagaatg tatt 194

<210> 391  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens

<400> 391  
 aaagaacttc tatccagaat gcataaagaa ttaccgctca gcaacaaaaa acaataaaat 60  
 tagaaatggg caaaaaagaa acttcactaa agataatggg tgtagccaat aagcacaaga 120  
 aaaagtgctt gacatcatta ttcacaggg aattgcaa atgtaaaactaca gtaagaagcc 180  
 acggcatacc caccagaatg gctaaaatta aaaagactga caccacaaa tgttgttaca 240  
 tatgtagaac aaccaattcc acacatag 268

<210> 392  
 <211> 262  
 <212> DNA

## ADL\_0311WP\_Sequence\_Listing

&lt;213&gt; Homo sapiens

&lt;400&gt; 392

```

ttttatagcg tgtagttgac ccttgaacaa tttgagtgcc aacctcctgt gcagctgaaa      60
ttcatgtata acttttgact ccccaaaaat ttaactacta atagcctatt gttgaccaga      120
agccttacct ataataataa cagttgattc acacatattt tgcattgttat atatatatta      180
tatacagtat tcttttttct ttgcacatta aaaaaagaca tttatttctgc atcatgatca      240
gacttacatt tagcaatcaa ca                                              262

```

&lt;210&gt; 393

&lt;211&gt; 203

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 393

```

gaggtgcatg atattgttag ccaaaaggga gaagacatac agacgggttaa tatcgatgcc      60
agaaaagaga tgaccccccg acaagaaggg actgacaatg aggatccagt cgtgtgcctg      120
gacaagaaac cagtgatcat ctttttcgat gagcccatgg acatccgggtc tgcctataag      180
agactttcaa ctatctttga gga                                              203

```

&lt;210&gt; 394

&lt;211&gt; 230

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 394

```

gaggagtcga acatgatctt gaggactcta ctcttgaggg cttaaaggaa tgtgttgtct      60
gtaattgtca caggggaatca ggaaggaaga gccagttagg gtcaagcgtt agaatatgtt      120
aagcttaata ggctttgaca ctcatagtgtg cccatcaagc agtttaggaat tggattatctt      180
tgtttggaag aggtcagaac tagtcaagag atttcatagt ccttggtaaa              230

```

&lt;210&gt; 395

&lt;211&gt; 235

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (66)..(98)

&lt;223&gt; n is a, c, g, or t

&lt;400&gt; 395

```

cagaattcta tgcttctctg gcaacaacaa taactattag aaaatcttaa cctcaccag      60
aagttnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnca gcttacttaa ataattgtgc      120
taaatagctt atcttcacaa tttaaaagta aaaacctttg aaaaagaagg acttcaccaa      180
aaacaaacac actctcccta tagccctgaa gatctggcca gaaaagctcc attaa              235

```

&lt;210&gt; 396

&lt;211&gt; 283

&lt;212&gt; DNA

## ADL\_0311WP\_Sequence\_Listing

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (124)..(124)

&lt;223&gt; n is a, c, g, or t

&lt;400&gt; 396

gataataacc tttaatgaac tcaatactcg ggaaaggctt cacatttctg ggactcagca 60

ttatccaaaa tatctattaa gagccataca ccattctagc tgcaattgat tatacaaaaa 120

aaangaccaa agtggttaca ataataaaat agaacacaga gaaagaagaa aactacatgt 180

gttacaattt ggtaagataa acaaacaaac aacaaaaatt aatcactttt tttggtcctg 240

tgacacacat gataatTTTT gtcttaattc tcctaacaaa tga 283

&lt;210&gt; 397

&lt;211&gt; 259

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 397

cggcaggggtc ctggatcacc aaggaccttg aaagcatgtg gaagactttg atcaatgggg 60

gaatcattaa ggggttttgc attccggaac tatcatcagc ttcagcgggg ggaggggggt 120

aggatagagg cagggaggca ggaagtcttc gcaggggtcca ggcaagagat ggtggagtgt 180

ggtcctgggg aagggggcag tggacggatc tgagggaggt tcagttagga tgggcaagga 240

ttgagatctg gctggatcc 259

&lt;210&gt; 398

&lt;211&gt; 202

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 398

gggacatccg aaagctacac cacagatgcc agtgggttcat gccttcttcc cgcaacttta 60

ggaaaattta tttatttatt gtttattagt tatgggggga gaggggagat ttaaaggacc 120

agggacatgg gaaccaagcc atagggatca gagggccttg tccttgaaca ctactgggggt 180

atattcaggc tcatccacgc ag 202

&lt;210&gt; 399

&lt;211&gt; 257

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (90)..(90)

&lt;223&gt; n is a, c, g, or t

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (164)..(164)

&lt;223&gt; n is a, c, g, or t

# ADL\_0311WP\_Sequence\_Listing

<400> 399  
caggcaagaa aagcgcagag aaatcgggtg ctgacgattt tggaaatgag aacaatctca 60  
aaaaaaaaa aaaaaaaaaa aaaaaaaaaan gaaaagagaa aaaaaagact agccagccag 120  
gaagatgaat cctagcttct tccattggaa aatttaagac aagntcaaca acaaaacatt 180  
tgctctgggg ggcagggaaa acacagatgt gttgcaaagg taggttgaag ggacctctct 240  
cttaccagta ccagaaa 257

<210> 400  
<211> 91  
<212> DNA  
<213> Homo sapiens

<400> 400  
agagcaggag agacggcaga gatatgttgc taggtgaata tatatttata taataaatcc 60  
gtaagttaat aaagtaaata gtaattctct g 91

<210> 401  
<211> 132  
<212> DNA  
<213> Homo sapiens

<400> 401  
gtatggactg agaggcattt aaattctggc aaggagggtg gaaatgctga caatgaggag 60  
gaagcttata gtgggtcaaa caaggagggtg tctagtgtgt tgtttaaaaa gaaggcttac 120  
aattagccag gc 132

<210> 402  
<211> 158  
<212> DNA  
<213> Homo sapiens

<400> 402  
tcccaagggc cgctagaaac tcgtcttcgc gttgccccct ttctggctct cagcgccgtc 60  
gccactcggg agaggctggg tgaggcccggt gtgaggactg accctggatt cctcgaaact 120  
gccattgtga tcattactct gctctttgga aatggctg 158

<210> 403  
<211> 271  
<212> DNA  
<213> Homo sapiens

<400> 403  
gttacatgaa atagtgccag ctggagggtt tttgccagca ccatgccaag tgaaataata 60  
tatttactct ctctattata caccagtgtg tgcctgcagc agcctccaca gccacgatgg 120  
gtttgtttct gttttcttgg gtggggagca gggacgggag gagggaggag agcaggtttc 180  
agatccttac ttgccgagcc gtttgtttag gtagagaaga caagtccaaa gagtgtgtgg 240  
gctttcctgt ttctaaactt tcgctactat a 271

<210> 404  
<211> 77

## ADL\_0311WP\_Sequence\_Listing

<212> DNA  
 <213> Homo sapiens  
  
 <400> 404  
 tgtctgtgcc tcatggaatt gccaatgaag atattgtctc tcaaaacccc ggagaactct 60  
 cttgtaagcg tggggat 77  
  
 <210> 405  
 <211> 131  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 405  
 ccctgtgctt ttgccgtcg ggccctctgca cctgggtcca tggggtctgc ggggtctgcg 60  
 ggggtctgcct ggccctgtggg ttctgccggt ggggcttcag gagtaataaa gtgtcacct 120  
 atccttgtaa a 131  
  
 <210> 406  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 406  
 ggccatccga aaatagcaac aaccagact ggctcctcac tcccttttcc atcactaaaa 60  
 atcacagagc agtcagaggg acccagtaag accaaaggag gggaggacag agcatgaaaa 120  
 ccaaaatcca tgcaaatgaa atgtaattgg cacgaccctc acccccaaat cttacatctc 180  
 aattcccatc ctaaaaagca ctcatcttt atgcatcccc gcagct 226  
  
 <210> 407  
 <211> 171  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 407  
 gatatttgtc tatgaacagt agcacagacc ctctaattcc atagggaaatc atttccatga 60  
 cttcccccaa ataccctact cttctctatc tctgtgacag tctctggccc tgctccctcc 120  
 taaactgctc aaaatcctta ccaaatggc ttacaaatct ctctcctccg g 171  
  
 <210> 408  
 <211> 266  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 408  
 ccctgtggat cccaaccagg aagttcctcc tgggccacct cggttccagc aagttcctac 60  
 ggatgccctg gccaacaagt tgtttggtgc tcctgagccc tccaccatcg cccgctctct 120  
 accaaccact gtcccagagt caccaaacta ccgcaacacc aggaccctc gcactccccg 180  
 gacaccacag ctcaaagact caagccagac atcacggttt taccagtggt tgaaagaagg 240  
 acggacactg gatgccaaga tgcctc 266  
  
 <210> 409

## ADL\_0311WP\_Sequence\_Listing

<211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 409  
 tatagttctg ttgtaggcta cacatgaaca gcaacaaaaa agaggaaaaa tcttctttgt 60  
 ccccatgctt tttccttgaa ttctgcactt ttcataataa cattagccct tgctttgtga 120  
 tttgcctttg ctttatttta ccctgtctta atcttaacct tcccaaatat ttccatacag 180  
 ggtgcacctc tcctagacaa cacacagcgg agagtgtgct tcccatgtat tcaatcttcg 240  
 tctcttgaaa ggagagggtgc cctcattaca cttcactgtg acacaggata cccttggttt 300

<210> 410  
 <211> 67  
 <212> DNA  
 <213> Homo sapiens

<400> 410  
 atggaaaaga acacgatgag aattagacac tggaaaatat gtatgtgtgg ttaataaagt 60  
 gctttaa 67

<210> 411  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 411  
 tcaggttgtg aggtttatta gtccccaagg caaacacaaa tattagatta ataatccaac 60  
 tttaatagta tacatttaaa agaaaaaaaa caaaagccct ggaagttgag gccaagcctg 120  
 ctgagtattg cagctgcatt tgcccaaagg gaatccagaa caagtccctc cctgtatttt 180  
 gttcttgaga ggggtcagtc tagaagctag atcctatcag gatgaggagc agcagcccag 240  
 ggcttgtctg gatcagcacc aacgatttta aaga 274

<210> 412  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 412  
 gtggtgttct tgatgtagtg agctcaagtc tgcggctgtt tctggggacg tgggtggaggc 60  
 tgcattgttct gttctctcca ggaagagcta gtggttttct accctgtgtg ttggtgagca 120  
 atgtgcagag gcagagccgc tgaagtatgg ttcctgaggg gtggcgaagc accgccctca 180  
 ctccagggtca cctcatcagc cctcgttttt ttttggggcc caccttgggg cttgccaaac 240  
 tgagaggcat tcaaaaccat ggcac 265

<210> 413  
 <211> 120  
 <212> DNA  
 <213> Homo sapiens

<400> 413  
 aggacgcggg ctctcgctgg cccgagctct acctctactc gagggctgac gaagtagtcc 60

# ADL\_0311WP\_Sequence\_Listing

tggccagaga catagaacgc atggtggagg cacgcctggc acgccgggtc ctggcgcgtt 120

<210> 414  
<211> 102  
<212> DNA  
<213> Homo sapiens

<400> 414  
gaagcatttg gaggaattcc tagacattgc gttttctgtg ttgccaaaat cccttccgac 60  
atttctcaga catctcccaa gttcccatca cgtcagattt gg 102

<210> 415  
<211> 281  
<212> DNA  
<213> Homo sapiens

<400> 415  
atgtctccag attccagggtg caggttctta gcacctccgc agccgctctc tcttgagtcc 60  
atcctcagtc tctcctaccc cttgaagtag ggggaccctg aatttgccca tccacctggg 120  
tcactttgag agttgtgcag gggggctggg agcactgggtg ttcacgtggg accacaggct 180  
gcaccataag acccactcac aataaaaaaaaa taaaaggccg agccgggcat ggttgctcac 240  
tcccgtaata aaaaaataaa agaacagggt gagccgggaa a 281

<210> 416  
<211> 265  
<212> DNA  
<213> Homo sapiens

<400> 416  
tgtgattgtc agcaatgacc atgctgggaa actgtgtggg gcctgtggaa actttgacgg 60  
ggaccagacc aatgattggc atgactccca ggagaagcca gcgatggaga aatggagagc 120  
gcaggacttc tccccatgtt atggctgatc agtcatccac caggaacgaa gatttcctga 180  
agaagacctg gtccctctgg aggttgcggt ggctgaagga tgcacatgt gtcctaccc 240  
tgctctaccg cttttctggg tcaca 265

<210> 417  
<211> 203  
<212> DNA  
<213> Homo sapiens

<400> 417  
acattggaaa gttaagagag ttcgagggaa gaattataaa gactaggagt cctagaaaga 60  
gaaaatttag agaataaaag gagaggcagt acttgaaaga taacacaatt ttacaaaatt 120  
tgttggaaaa acatgaattc ataaattcag gaagcacaat atatacccaa catatattta 180  
aataaaatcc aggcctagac tca 203

<210> 418  
<211> 274  
<212> DNA  
<213> Homo sapiens

# ADL\_0311WP\_Sequence\_Listing

```

<220>
<221> misc_feature
<222> (108)..(118)
<223> n is a, c, g, or t

<400> 418
ttcccccttt gaatgaggtc ttccatgttt gagggaaagt cttgcactat tgcatatatt      60
ttggggacac agattttcat agtttccatt tttggggggc ttaaggannn nnnnnnnnct      120
gtttgaaaca gttttatact ttctgatata gtacttgaaa ttcttaccag aaaattactt      180
tggagttttg aagcctttat taatactact tttaaagaag cagttgtttt attgtcaatg      240
ttttttttcc cccacgcata ttttcttgta tttc                                  274

<210> 419
<211> 71
<212> DNA
<213> Homo sapiens

<400> 419
tgagatggtt tgatggtttg ctgcattaaa ggtatttggg caaacaaaat tggagggcaa      60
gtgactgcag t                                                            71

<210> 420
<211> 269
<212> DNA
<213> Homo sapiens

<400> 420
tactaacttt cctgcactaa accaccaagt ctgtctcctc tgcaatgtgt agttcctgat      60
ggctccggtt tttcccccca cttttttatt ttgaagcctg acttgcagga gatacccctc      120
taactgtata gcttcctact ccattaaaga ttagtcagag atggtaatca acccacctga      180
gctctttcac tacctgctgc tgcaactatg gtcaggataa ggggagcaca ctcacacttc      240
aggccttcac gtctgttcca gttactttt                                  269

<210> 421
<211> 47
<212> DNA
<213> Homo sapiens

<400> 421
ctttgaacca ctttgaatt gtagattccc aacaataaaa ttgaaga                      47

<210> 422
<211> 149
<212> DNA
<213> Homo sapiens

<400> 422
ggactaggaa gggctatttc aggctcagcc ctgctcctgc agctttgccg ctgagtgtag      60
gaaaaacagg catgacagac cagggtgagg gttgtgccca gctgggccac ggccatgcgt      120
ggggtggccc aataaacacc gtggactcc                                  149

```

## ADL\_0311WP\_Sequence\_Listing

<210> 423  
 <211> 185  
 <212> DNA  
 <213> Homo sapiens

<400> 423  
 tttctctttc tgtccggtgt ccggactttc ctaattggag tttgaggccc ctaagctggc 60  
 atcaacccca ggccacgctc gctcttttct tccctcccct cccctctctgc cttttgtacg 120  
 ccagttctca gaaataaaga tcttttgtcc gtttttttaa cctcggattc tgtaattggc 180  
 tctta 185

<210> 424  
 <211> 105  
 <212> DNA  
 <213> Homo sapiens

<400> 424  
 ccacaggtaa ctttctcact aagtgggggt gtctgaggcc agggagagct ctactcattc 60  
 ccctgtgtga tcccagcagt gagcatagag caggtgccct gcaat 105

<210> 425  
 <211> 122  
 <212> DNA  
 <213> Homo sapiens

<400> 425  
 ccccatgcc ctgtggagat ggaggtgtgt gctgatccct cgtgcccctg tggagataga 60  
 ggtgtgtact gatccccctgt tcccctatct agatgaaggt gtgtactgct gatccccctg 120  
 cc 122

<210> 426  
 <211> 255  
 <212> DNA  
 <213> Homo sapiens

<400> 426  
 tttttgacag tgttgaaaat gttcagaagg ttgctctaga ttgagagaag agacaaacac 60  
 ctcccaggag acagttcaag aaagcttcaa actgcatgat tcatgccaat tagcaattga 120  
 ctgtcactgt tccttgtcac tggtagacca aaataaaacc agctctactg gtcttgtgga 180  
 attgggagct tgggaatgga tcctggagga tgcccaatta gggcctagcc ttaatcagtc 240  
 ctcagagatt tcttc 255

<210> 427  
 <211> 236  
 <212> DNA  
 <213> Homo sapiens

<400> 427  
 cccactctgt gtagtcttaa cttatttctt ctaaactcac cattaaccta aataatagtc 60  
 aaatttaggg gggctgtatt tgtcttactc gagtcttcta ccatagttga aactgtcgta 120  
 cccaaacgag ttacagagaa atgccacact ttgagacgaa ttcaggagtc ctttattagc 180

## ADL\_0311WP\_Sequence\_Listing

tggtgactga gagacggcta acacaggaaa tactctcggc cctaaagaat gggcta 236

<210> 428  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 428  
 gaagacgccca atgatggctg aagagttttt cccagattta caagccactg gagaccctt 60  
 ttttctgata caatgcacga ttctctgctg gcaaggaccc tcgactcacc cccatgtttc 120  
 agtgtcacag agacattctt tgataaggaa atggcacaaa cataaaggga aaggctgcta 180  
 attttctttg gcagattgta ttggccagca ggaaagcaag ctctccagag aatgccccca 240  
 gttaaatacc tcctctacct ttacctaagt tgctc 275

<210> 429  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

<400> 429  
 tgatctggtc agtagtgga ttcgatttta tgcagactgg atgtaatat tgtaatccct 60  
 gtgcaatttt gtgacgtgct gttctaattc atgtgcagtg atatagtata gataaaagaa 120  
 tgagtaaaag aaaatacaag aattctaaag aaagttgggt ttagcccctt tgatagtcca 180  
 tggttaagac atcctttata aaccaagat ggccagcaca ctg 223

<210> 430  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 430  
 cagaagaggg ctcaacttag ccaatatttt gatgctgtca agaatgctca gcatgtggaa 60  
 gtggagagta ttcctttgcc agatatgcca catgctcctt ccaacatttt gatccaggac 120  
 attccacttc ctgggtgccc agccaccctc taccctaaag aaaacctcag cctatggacc 180  
 tccaactcg ggccagtttc taccctccc tccttccttg gacatggggg tttccaccgt 240  
 ttgccccctt ggcaaaaaa cctccctggg cct 273

<210> 431  
 <211> 112  
 <212> DNA  
 <213> Homo sapiens

<400> 431  
 gagtccaaga gaatggccga gttcatgagc tgcacacgat gtaagttgta ctctctgaaa 60  
 ttgttggtcc acctttcatc ttcacaaat gagcatcccc tccaatacct gg 112

<210> 432  
 <211> 262  
 <212> DNA  
 <213> Homo sapiens

# ADL\_0311WP\_Sequence\_Listing

```
<400> 432
gagtcacgaa ccttattctc caaaacaaaa gcaacaagga ctttgacttc tcagcagcac      60
tcagctctgg ttcttgaaac acccccgtta cttgctattc ctctacctc ataacaatct      120
ccttcccagc ctctactgct gccttctctg agttcttccc agggtcctag gctcagatgt      180
agtgtagctc aaccctgcta cacaagaat cttctgaaag cctgtaaaaa tgtccatgca      240
tgttctgtga gtgatctacc aa                                             262
```

```
<210> 433
<211> 152
<212> DNA
<213> Homo sapiens
```

```
<400> 433
ccggggtagc cattggttct tggatctgtg ttagaatgag tgctttccct tcctactgat      60
gtgattgtgg attaggaatt cgtgaccgag tgatttttgg ccagtgggtg ggtttaaaat      120
tctattaataa tttgtagttt gggctgggtg ct                                152
```

```
<210> 434
<211> 99
<212> DNA
<213> Homo sapiens
```

```
<400> 434
gtggaggccc attaccgggc ctgcttgat gctggagtca agattgcggg gactaatgcc      60
gaggtcatgc ctgcccagtg ggaatttcag attggacct                                99
```

```
<210> 435
<211> 207
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t
```

```
<400> 435
ttcatttttc ttccccctctg ctagtttgga agttatatta taccaagttt tttagtatta      60
gcctagaaat cttaacataa agacttctaa taagcaatat ctttaatttt tttncctac      120
ccaatactag atcatgagca ttttcccaca tcataaagaa ttggtcacaa gtcagcccca      180
aacatagtcc agtggaatcc aatgata                                         207
```

```
<210> 436
<211> 231
<212> DNA
<213> Homo sapiens
```

```
<400> 436
aaggcaacac ttctgtcagt agaattgctt tggattgtaa atatgtttac ttcagaggaa      60
atcagtcaga gtggatggct cagcaaaacc catcacaact gcggaaaaag gaagtgactg      120
```

# ADL\_0311WP\_Sequence\_Listing

gctagaggta aggaaataga ttttctctaa gttaactggc ctacgtgtga atcgaaccct 180  
gcaccctggc ctcattagca ccaacactgt gaagaacagc tgtggcagag a 231

<210> 437  
<211> 133  
<212> DNA  
<213> Homo sapiens

<400> 437  
ttcacccctc tacttacata ttgtaaagtt gtataaatct atcattgaaa ggtccctctt 60  
gccagcagtg gtgccaccct ttggtttgct gtggtacttt gctgtgtact ccgtggcatc 120  
atgttactgt gta 133

<210> 438  
<211> 66  
<212> DNA  
<213> Homo sapiens

<400> 438  
tttctctttc tgtccggtgt ccggactttc ctaattggag tttgaggccc ctaagctggc 60  
atcaac 66

<210> 439  
<211> 233  
<212> DNA  
<213> Homo sapiens

<400> 439  
tacaaagagt accacgagac acgagaaacc ttgtgggaac acagggggac caccctctaa 60  
ggctaaatac tacttggtga ccgatatcga acaagtaccg tgaggggaaag gtgaaaagaa 120  
ccccgagagg ggagtgaaaa agaattctgaa acctagtgtt tacaagcagc gaaaatggca 180  
caagccatga atcgtgtact ttttgtagaa cgggccagcg agttatgaca aaa 233

<210> 440  
<211> 260  
<212> DNA  
<213> Homo sapiens

<400> 440  
tctcttccga ggtcgaggcc ctgaggcggc agttactcca ggaacaggaa agtgtcaaac 60  
aagctcactt gaggaatgag catttccaga aggcgataga agataaaagc agaagcttaa 120  
gtgaaagcaa aatacgaaat tgagaggctg cagtctctca cagagaacct gaccaaggag 180  
cacttgatgt tagaagaaga actgcggaac ctgaggctgg agtacgatga cctgaggaga 240  
gacgaaacga gccccacagc 260

<210> 441  
<211> 270  
<212> DNA  
<213> Homo sapiens

<400> 441  
catagccaag gcttcaagct ctcaggactt ggctatggag gaggacgaag aaggcaggag 60

# ADL\_0311WP\_Sequence\_Listing

```
ctcatccagt ccagccttac ctacagcagg aaactgcacc agctagactc cattctggga 120
ccatctccag gagtccatga gaggctttct tctcctatgt cccaattctc agaactcaga 180
tgtggctaga ccaacccctg ggaaactgcc ccagcttctc ccaccatagg ggccggaccc 240
ccatcaccag cctagatcca gggctgcctc 270
```

```
<210> 442
<211> 156
<212> DNA
<213> Homo sapiens
```

```
<400> 442
aacttgtagc cgcagcccaa actaacctca cgtgaagtga cggactgttc tatgactgca 60
aagatggaaa cgaccttcta tgacgatgcc ctcaacgcct cgttcctccc gtccgagagc 120
ggaccttatg gctacagtaa cccaagatc ctgaaa 156
```

```
<210> 443
<211> 103
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t
```

```
<400> 443
gttttgagat catacactgt tacagagaaa gagaggagggc atattatnaa cgtgtggact 60
tcagtgttat tccttctctt caaatgatg ttccagggtgt cta 103
```

```
<210> 444
<211> 101
<212> DNA
<213> Homo sapiens
```

```
<400> 444
ctcggcggcc tttattttatt ctgttcccc agctcggcca cttctctgaa ggagggctgg 60
gttctgggccc tgtatcgaat aaacacaaac ctggatggcg c 101
```

```
<210> 445
<211> 144
<212> DNA
<213> Homo sapiens
```

```
<400> 445
ggaggatggt caggcgtcac caacaacccc atcaccaggt aacaagaacc ttgactctcg 60
tcagtccttc tgcataaga cacttaccca tttccacact catgcctgct aacttgaatg 120
aaacaatcgc tgggaaagca ttaa 144
```

```
<210> 446
<211> 276
<212> DNA
<213> Homo sapiens
```

## ADL\_0311WP\_Sequence\_Listing

<400> 446  
atgtgagagt gctttgcagt tggaaagtgc tgtaggaacc ctgaattcat ctgaaactgt 60  
agcttagtgt ttaaatgatg tctgttatta cttttttgaa tagtctggag tgcttgtaa 120  
agaaaaaatt attctgtgat atttgttgaa tgaagcacag tgaggaagac tttactcagg 180  
gcccttgtaa tagctatagg gaccactgca atagggctctt gcagtggggg agagagaata 240  
ggctcaattc tgaatacatc atcatgggca agtggg 276

<210> 447  
<211> 48  
<212> DNA  
<213> Homo sapiens

<400> 447  
tctaaagctg tttttaactc cgagattaca acttagagga accaagga 48

<210> 448  
<211> 168  
<212> DNA  
<213> Homo sapiens

<400> 448  
aaattgaagg atttgctggt attcctacct gcattggact tgacctgggt gttgggtgag 60  
tagcaatctg ttactgtttc tctatgtgga cgatgaggaa agggttgaga aatccagcga 120  
aaggacactt ctgttaatag ctcaatctgc tgcccatggt tgggaaaa 168

<210> 449  
<211> 147  
<212> DNA  
<213> Homo sapiens

<400> 449  
tttttctgta tgaaaccag atgtcaccaa atggacatta atagttgcat taaggatcag 60  
tagcattaac aaaagttgct ttaaaagcca ttatgtaaat caagacttga aaatgagtga 120  
gggaatttta gcgacactgt ctgagca 147

<210> 450  
<211> 272  
<212> DNA  
<213> Homo sapiens

<400> 450  
tgaattccca actttccgag atgttggtta atgagactca cccttatttt tcaattcttc 60  
cttcattctc tccctcttaa ctggtttcct cttaccaag aaaagccttt ctcttaactg 120  
caagcttatt tgaattttac cttattgaat atctttcaac tatttggcag accttaact 180  
ttccctacca tgccaatggt cactaaacac cttaaagcc actcttaaca ccttaaatgc 240  
cacccttaac agtattcttt cagtcctcat tc 272

<210> 451  
<211> 267  
<212> DNA

## ADL\_0311WP\_Sequence\_Listing

&lt;213&gt; Homo sapiens

<400> 451  
 tgtccagcaa gtgcaggggtg cctgcacttc accctgtgca gagagggtggg atggggccgt 60  
 gcacacaggg atgcccgtc cacaacctgc ctgcccctca gccctggccc agggcccttt 120  
 tggaggcagc tgaggaagga tgctggggaa agccctcttc tgcagctttg tggaaggctg 180  
 atcagtggct gctgggtggc gggtagcctt gctcagatgc ctggcagggc tgggtggcga 240  
 ttcataaaga cctcgtgttg attcccc 267

<210> 452  
 <211> 138  
 <212> DNA  
 <213> Homo sapiens

<400> 452  
 caggagagaa gagggcccgg catggggatc tgggttctag agggcatgtg atgactgtaa 60  
 atgttcaactg ggtgggtagg gagtggatc cagtgttcaa gtgcagaaat ctttggcttt 120  
 gctaccagtt ccatatga 138

<210> 453  
 <211> 176  
 <212> DNA  
 <213> Homo sapiens

<400> 453  
 gggttaatctt tggtactagc cctcactact cagaattggg gagacctctc catttctgct 60  
 tcactcagct tacgtgggtt gtcacactg acaccaacaa acacctgtca atccctatgt 120  
 ccctcctgtc ttccaaaaat acctagaaat tgctgctcta ttgacggtag tatttc 176

<210> 454  
 <211> 256  
 <212> DNA  
 <213> Homo sapiens

<400> 454  
 gctctaaaag ttatgaacct gacattcttg gtcttacaca atctggaccc agtctactct 60  
 tctataacca tcttccactt aatttacaaa tctttattaa ggcacaggta ctctactta 120  
 tcccctattg cctctctcat gctgaatcaa tcatgccaaa agctaagaaa acatgagcat 180  
 gcttgggact aaagaaacag aactgaggat ttcctacaca tcctaactgc aaggacagtc 240  
 catcaaaagc cagaga 256

<210> 455  
 <211> 101  
 <212> DNA  
 <213> Homo sapiens

<400> 455  
 ggaagcttta gctaccaatc cagtaccctc ctaactagaa tgtatacaca tcagccagga 60  
 ctgactgact acttcattag agatatactg tactcattgg g 101

## ADL\_0311WP\_Sequence\_Listing

<210> 456  
 <211> 230  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (131)..(131)  
 <223> n is a, c, g, or t

<400> 456  
 tacctgtggt tccaggtacc tggagggctg acgtaggagg attgcctgag cccagcaggc 60  
 caaagctaca gtgagctgtg attgtgccac tgcactccag cctgggcgag gagagcaaga 120  
 ctctgtctca naaataaata cataaaatac agcgtccaaa agtgtgtcat cttctttctc 180  
 ttcacaattt tataataagg gggtaaaatg cctgtgagtc tattcattat 230

<210> 457  
 <211> 38  
 <212> DNA  
 <213> Homo sapiens

<400> 457  
 ctttggacta aagaatatat tgggcgaaga atagaggg 38

<210> 458  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

<400> 458  
 ttctgctttt cctgttcctt atccttacgc aggattgttt tactgttagc caggttaagt 60  
 ttaagcttct tgaggacttt agtactgaaa gacaatggct cacttgtaag acctagttga 120  
 agagtacaga tttagatttg ttcagtgtgc tgtg 154

<210> 459  
 <211> 156  
 <212> DNA  
 <213> Homo sapiens

<400> 459  
 aacatatgtg tagtgtgctg cagcataaga tggaagaact taaagaaggc ctgcggcaaa 60  
 gagatgagct tattgagaaa catggccttag ttataatccc cgatggcact cccaatgggtg 120  
 atgtcagtca tgaaccagtg gctggagcca tcaactg 156

<210> 460  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<400> 460  
 aagcttttag agaatacact acaccagggg gtatgactac tagtatgact attaggaggg 60  
 taataccaag agttggacta cgcaccttag gcaagatata aaccaactaa aatagaataa 120  
 agaatgagtc agatgagtggt agccatttta accaagcagc acatttggtta atttctacaa 180

# ADL\_0311WP\_Sequence\_Listing

cttagtctca gcgataccca ttgtatttag ccatgttcaa caacaagtgt cagaaactgc 240  
acagactcct ccctgttcag ctggtag 267

<210> 461  
<211> 143  
<212> DNA  
<213> Homo sapiens

<400> 461  
ctttgtccgc tgtcatgatt cgccacgtgc cttcttctgt cctctcacgg ctaggcctcc 60  
agtgaaagggt agacagtaag cctgggcatt cagtcttctg aatttctcac atcaattcca 120  
gggaaaatcc aaccactcca aca 143

<210> 462  
<211> 270  
<212> DNA  
<213> Homo sapiens

<400> 462  
atccagcaag gaatagtgc gcacctaggg actagcaatg ataggaagtt gcaccatatt 60  
tggcccagca agggcaaagg gagagagtag ttgtgggagt ccagagagac cctgggttgtt 120  
gcttctcatt tattgaaccc gatttaaagc cagagaacaa agagcccagt ttatgtagta 180  
catgacgcag cctcctaggc acagggtaaa ggatggagaa tagatctgga ggattaaata 240  
gtaacaacaa cgcgcgagat cctctaagtc 270

<210> 463  
<211> 88  
<212> DNA  
<213> Homo sapiens

<400> 463  
ttgagaacag aaatagtggc attgcatgcc cagcaagatc gggcccttac ccagacagac 60  
aggaagatcg aaactgaggt tgctggcc 88

<210> 464  
<211> 102  
<212> DNA  
<213> Homo sapiens

<400> 464  
tatttcttat gctgtcagat tacatttttc ctttgagtgc tttgggtgca gccgtggaat 60  
cctgatgtaa aagcataggt tcttgcatta ctgagtaaac at 102

<210> 465  
<211> 221  
<212> DNA  
<213> Homo sapiens

<400> 465  
gcagatggca agtgcaccaa ggagaaggca ggaacactgg agcctgcaat aagggaggag 60  
aggggactgg agagtgtggg gaatgggaag aagtagttta ctttggacta aagaatatat 120  
tgggcgaaga atagaggggg agcttgcagg aaccagcaat gagaaggcca ggaaaagaaa 180

## ADL\_0311WP\_Sequence\_Listing

gagctgaaaa tggagaaaac cagagttaga actgttggat a 221

<210> 466  
 <211> 281  
 <212> DNA  
 <213> Homo sapiens

<400> 466  
 cacccttctt gaccacaaaa aggtggccat cctgactggt ctctaccttc aggaaaacaa 60  
 atggggacct gagggcgctc aaccacccca gaccacccag aagtcacagg agcacggaac 120  
 aggaagcagg gagacagcac acagtaagca catggcaagc acacagtaaa cacacggcaa 180  
 gtacatggca aatacacagc aggtacacag cgagcacaca gtaagcacac ggtaaacact 240  
 cagcaagtac atggcaaattg cacagcagggt acacagcgag c 281

<210> 467  
 <211> 133  
 <212> DNA  
 <213> Homo sapiens

<400> 467  
 cccggggccag gcaagggtggg tcacacctgt aatcccagca ctttggggaa caagggtggga 60  
 gaatcacttg agtccggcag tttgagacca gcctggccaa cataatgaga ccgcatcttc 120  
 acaaaaaata tgt 133

<210> 468  
 <211> 62  
 <212> DNA  
 <213> Homo sapiens

<400> 468  
 agctcggcca cttctctgaa ggagggctgg gttctgggcc tgtatcgaat aaacacaaac 60  
 ct 62

<210> 469  
 <211> 266  
 <212> DNA  
 <213> Homo sapiens

<400> 469  
 acttcaggaa caggagcaac tactaaaaga gggatttcaa aaagaaagca gaataatgaa 60  
 aaatgagata caggatctcc agacgaaaat gagacgacga aaggcatgta ccataagcta 120  
 aagaccagag ccttcctgtc acccctaacc aaggcataat tgaaacaatt ttagaatttg 180  
 gaacaagcgt cactacattt gataataatt agatcttgca tcataacacc aaaagtttat 240  
 aaaggcatgt ggtacaatga tcaaaa 266

<210> 470  
 <211> 147  
 <212> DNA  
 <213> Homo sapiens

<400> 470

ADL\_0311WP\_Sequence\_Listing

```

gccagcctg gatatttaaa ttgttctgtg ctctcctcct ttttttctc tctgtgattc      60
tctttgtcag ctcccttgcc tatatttgca tctcagttga caccctgat tctgacttgt      120
ccttatcttc ctaccagtct ctgccga                                         147

```

```

<210> 471
<211> 187
<212> DNA
<213> Homo sapiens

```

```

<400> 471
gtaggagtgc tcatggttct gtcattcttg gacctctcct ggctgagctc tgattccctg      60
tgagcacgat gctgatgcaa tagtcctgtg tcatcactgc agcggtcctc aggagctgcc      120
agggccaatt gctacagagt gtctgggtgt gtggcatagg aggaaggttt gcttgtgaaa      180
tgaggct                                         187

```

```

<210> 472
<211> 235
<212> DNA
<213> Homo sapiens

```

```

<400> 472
atctacgcca ctgctcttgg tgggaccctc gtgcttgtgg ggctgggctc tgagatgacc      60
accgtacccc tactgcatgc agccatccgg gaggtggata tcaagggcgt gtttcgatac      120
tgcaacacgt ggccagtggc gatttcgatg cttgcgtcca agtctgtgaa tgtaaaaccc      180
ctcgtcacc ctaggtttcc tctggagaaa gctctggagg cctttgaaac attta         235

```

```

<210> 473
<211> 177
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (59)..(71)
<223> n is a, c, g, or t

```

```

<400> 473
gaagtaagcc tcatcatcag agcctttcct caaaactgga gtcccaaattg tcatcaggnn      60
nnnnnnnnnn ncagccacta agaaccctc tgcttttaac tctagaattt gggcttggaac      120
cagatctaac atcttgaata ctctgccctc tagagccttc agccttaatg gaagggtt      177

```

```

<210> 474
<211> 34
<212> DNA
<213> Homo sapiens

```

```

<400> 474
taaagcgtgg ccgtggctcg cgtgcctgcc atct                                         34

```

```

<210> 475
<211> 268
<212> DNA

```

## ADL\_0311WP\_Sequence\_Listing

&lt;213&gt; Homo sapiens

&lt;400&gt; 475

aagtcctcct caggcttgga gaacttcctc agcgtcacct ccttcattga gccttctctg 60  
 atcactccat ccctctccta cccctccctc ccccaaccct caatgtataa attgcttctt 120  
 gatgcttagc attcacaatt tttgattgat cgttatttgt gtgtgtgtgt ccgatctcac 180  
 aagtatatatg taaacccttc ggtgggtggg ggccatatcc tagacctctc tgtatccccc 240  
 agactatctg taacagtgcc aggcacac 268

&lt;210&gt; 476

&lt;211&gt; 244

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 476

tcactgtaag gtacagttag ggtaacactt tagaggttta ttatttttaa aaaacttttc 60  
 ttgaactcct ggccagcatg gtgaaacccc gtctctacta aaaataccaa aattagccag 120  
 gcgtgatggg ggggtgcctgt gatctcagct acttgggagg ctgaagcagg agaactgcct 180  
 gaaccagga ggcggagggt gcagtgagtc gagatcgtgc tactactgcc tgggtggcaa 240  
 ggggt 244

&lt;210&gt; 477

&lt;211&gt; 57

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 477

tgccattttc caagaatgac ggtggtggct tttagtcaga aaatggcctt ctgtgct 57

&lt;210&gt; 478

&lt;211&gt; 153

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 478

ggagagaagc agaatattcg gacaaacacg gacagtatct catcggacat ggtactaagg 60  
 tctacatcga ccccttcact tatgaagacc ctaatgaggc tgtgagggaa tttgcaaaag 120  
 agatcgtatg ctctacgtc aagattgaag agg 153

&lt;210&gt; 479

&lt;211&gt; 247

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 479

agctgccccct ttcccgctct gggcaccccc agtctcccc gaccccggtt cccaggatatg 60  
 ctccacactc cacctgcccc actcaccacc tctgctagtt ccagacacct ccacgcccac 120  
 ctggctctct cccatcgccc acaaaagggg gggcacgagg gacgagctta gctgagctgg 180  
 gaggagcagg gtgaggggtg gcgacccagg attccccctc cccttcccaa ataaagatga 240  
 ggggtact 247

# ADL\_0311WP\_Sequence\_Listing

```

<210> 480
<211> 154
<212> DNA
<213> Homo sapiens

<400> 480
agcggagcaa gtgtcccggg ccttcagcca gccctggata gctacttcca tccccgggg      60
actccgcgc cgggacgcgg ggtgggacca ggtgcgggac ctggggcggg cgacgggact      120
taaataaagg cagacgctgt tttctaccca aaaa                                154

<210> 481
<211> 292
<212> DNA
<213> Homo sapiens

<400> 481
agatgtgcac aaacagagcc cccgcgtaca ggtccagctg cggagggaga gagccttgtg      60
tggggctggt attcccaggg ctccagcaag ccactccctg ggtgacctcc ggcaaggccc      120
tctctgggcc tcggtggcct gtggataagg aggggagacc cccactcgcc tgcctgcctg      180
catcacgggg ccattgtgag gttgggggaa gacctggccg tggagctaca agcttgtgcg      240
gatgtcaggg gacattactg ttgctaataa agtccaaagt ggccaatgcc tt            292

<210> 482
<211> 248
<212> DNA
<213> Homo sapiens

<400> 482
cggatgaact ctggatcccg tttctgatgc agattcttgt cttgttctcc acttggtgctg      60
ttagaactca ctggcccagt ggtgttctac ctctacccc acccaccccc tgcctgtccc      120
caaattgaag atccttcctt gcctgtggct tgatgcgggg cgggtaaagg gtattttaac      180
ttaggggtag ttcctgctgt gagtggttac agctgaccc cgggaagaac aaagctaaag      240
ctgccttt                                248

<210> 483
<211> 271
<212> DNA
<213> Homo sapiens

<400> 483
gcgatgaacc caacctccct gaagccaaaa cttcccaccc tgccgcacac tccggaccac      60
cccacttgcc accaagcaca tcctctccaa atccaaccct tatttgcgac cttcagtga      120
tgaccagca gacctcaaa aagcctcctc tgcccagatc tccagccggg tctggggctg      180
ggttgcgag gggaggggtct gggagtccac acttctccac caacttcct tcccactctc      240
ttattccaca ttgcagtgtt tggaataaac c                                271

<210> 484
<211> 37

```

## ADL\_0311WP\_Sequence\_Listing

<212> DNA  
 <213> Homo sapiens  
  
 <400> 484  
 tgtcctgggc accgtagcga gactctgctt tctacaa 37  
  
 <210> 485  
 <211> 110  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 485  
 gcaggcagta agaagcaggg atttcttcaa atgctagtaa gcacaaagag agggagaagt 60  
 ttttgtaagt aacgaacagg gccgggcatg gtggcgtgag aggccgaggt 110  
  
 <210> 486  
 <211> 238  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 486  
 gagcaccaga tcctatagag ctttagacc atcgtagaga ctttgctttt ctctgagtgc 60  
 tttggtaggg atttgaggaa aggagtgaca tcgtatgaat gactttatta tgtgcccacg 120  
 tggaggtgtc aaataggcag ctattgtgtt gcagggtcccc aggttcattg attcactaag 180  
 aggactcaaa agactcagca cgtagtccta ctcacagctg tgatttatta tcgcacaa 238  
  
 <210> 487  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 487  
 cagattcttt tttatggtgg ctttgcttgt tttaaatttt tgcattgactt ttcattcttt 60  
 tatgtgtgtt tcctgtagtt tgatccgaag gaaaagagta tagtagcctg agaatcagga 120  
 gatgggagtt ttagtcgtag gccttatgat aattaccccc cggtggtgtg tagaaaagta 180  
 tgtaaatttg ctctgtttta agactttgaa ctacctcaag aagagg 226  
  
 <210> 488  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 488  
 gtgggagaag ttggcgtcct aggctgggga ttggtcgggg gaccttaaag aaaaaggcca 60  
 gggctgaggg tcctgaggag agagagagag gccacgtgga tggaggactg tcacccccctt 120  
 ctcggttctg tcacccccctt gagtctaact cactgttgag gggaggaaga agggggatgg 180  
 acggaagggg gaccgaggaa aggctttcgg gagtggggac attatccacc cagaggtgtg 240  
 ctaccacaaa ccaccgcgag atccttagag t 271  
  
 <210> 489  
 <211> 109  
 <212> DNA

## ADL\_0311WP\_Sequence\_Listing

&lt;213&gt; Homo sapiens

&lt;400&gt; 489

ctgtgctctg gaaaggctac caaatactgg ccaaggctcag gaggagcaaa aatgagccag 60

caccagcgcc ttggctttgt gttagcattt cctcctgaag tgttctgtt 109

&lt;210&gt; 490

&lt;211&gt; 134

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 490

gctacagctg gcgaacccca aagagttcta ccacgagggtg cacaggccct ctacttcct 60

caactttgct ctctgcagg agggggagggt ttactctgcg gatcgggagg acctgtatgc 120

ctgaccgttt ccct 134

&lt;210&gt; 491

&lt;211&gt; 74

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 491

gggaagccaa atataggcca agagcagcct gtggatgatg ctgcagaagt ccctcagagg 60

gaaccagaga agga 74

&lt;210&gt; 492

&lt;211&gt; 201

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 492

tacatccctt caccagggtg tgccatgtct cccagctact cgccaacgtc acctgcctac 60

gagccccgct ctcttggggg ctacacaccc cagagtccct cttattcccc cacttcaccc 120

tcctactccc ctacctctcc atcctattct ccaaccagtc ccaactatag tcccacatca 180

cccagctatt cgccaacgtc a 201

&lt;210&gt; 493

&lt;211&gt; 253

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 493

gaagaggatt cagggtcagc ctaggggacc ctggctccct ccgataggca ggaaggagga 60

gggatgcgga ggagaggctg agccttccac gggcctcctg ttaggggtgt tggaggaggc 120

caggttgggg agggagcct aaggaccctc cacacctccc acagccagag tcagttgagg 180

ctgggacaaa ggggaaggag agaggggaagg aggaccgcct gaccttgccc agaaggagct 240

tcctctaaac tgc 253

&lt;210&gt; 494

&lt;211&gt; 43

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

# ADL\_0311WP\_Sequence\_Listing

<400> 494  
gtaaaggagt ggggtgatttg caaataaagc acattataca caa 43

<210> 495  
<211> 250  
<212> DNA  
<213> Homo sapiens

<400> 495  
tgctgctcct cataataagc cgccactgtc tccaggtagc cctctttgaa gtcgtcctcc 60  
agctctgcca ggctcgacat cacctgtcca cgtcctgatt ctgcattttg cattttatca 120  
taaaatcttt ctatggcctg gtgcattcgg gccttcagct tcttcatgtc atcagagagg 180  
accttcggga agcacatggc ggccaaaagt tcaaggagcc aaggcctgag atgaccagc 240  
tccaaaggga 250

<210> 496  
<211> 262  
<212> DNA  
<213> Homo sapiens

<400> 496  
tccccaacaa cacaacgcgt cctgttccac ctacgtagga tctgtgaaac aggctcagt 60  
cctttgaggg aggaggggaac gtttagattg agaccacccc actcccgggt gattaaataa 120  
atatgtctct cccccacccc acgcaggatt ggaaaaagtt aattgtgggt tcagaaaagt 180  
taaccctgc gttgcttcga ccccttctct ccaggggaagg gttgggtaaa tgtctacgaa 240  
tcgccttgag agagaactaa ag 262

<210> 497  
<211> 170  
<212> DNA  
<213> Homo sapiens

<400> 497  
tacacagttt ccaatttaag taggcagact gagcatgccc atcagtttcc tattgctgct 60  
tccatccctc gaaatgatag aaaagatttt aaacagcaaa taaagaatga gaaaaagaag 120  
aaattataag tgggttttaa aaagttgcag tgggccaggc atcatggctc 170

<210> 498  
<211> 89  
<212> DNA  
<213> Homo sapiens

<400> 498  
tgcccgatca cacaggagta tgcccaaact ctctcaggcc tctagcagct gacaaccact 60  
gctttaaatc cctattacat ttattatga 89

<210> 499  
<211> 242  
<212> DNA  
<213> Homo sapiens

# ADL\_0311WP\_Sequence\_Listing

<400> 499  
cctgggggca ggacccacag ccagtgggct aagaccttta aaaaattttt ttctttaatg 60  
tatgggactg aaatcaaacc atgaaagcca attattgacc ttccttcctt ccttccttcc 120  
ctcccttctt ccttctctcc ttctctcctc ctctctcctc tcctctcctc tctttccttc 180  
cttccttctt ttttttcttt ttctctttct tctttatttc ttgggtctca ctctcatcac 240  
cc 242

<210> 500  
<211> 220  
<212> DNA  
<213> Homo sapiens

<400> 500  
tcaagacgag cctggacaac acaacaagac cccaattct actaaatttt tttttttaat 60  
tagccagatg tggtaatgca tgcctctgta gtcccagcta ctcaggaggc tgagggtggga 120  
ggatcacttg agtgcaggaa ttcaaagctg cagtgaagcta taatacaagg cttcattgca 180  
ctccagccta ggcattagag cgagaccgtg tttattttaa 220

<210> 501  
<211> 271  
<212> DNA  
<213> Homo sapiens

<400> 501  
ttaaaggaca aactcaagaa ggcacaacat gaaagagaac aacttgaatg tcagttgaag 60  
acagagaagg atgaaaagga actttataag ggtacatttg aagaatacag aaatagaaaa 120  
taccaagctt atgtcagagg tccagacttt aaaaaattta gatgggaaca aagaaagcgt 180  
gattactcat ttcaaaaaga gattggcagg ctgcagttat gtttggctga aaggaaatct 240  
gcaagacttt cctgcttaca acctcaagta a 271

<210> 502  
<211> 133  
<212> DNA  
<213> Homo sapiens

<400> 502  
caacatggac atttatacta ataaggaggg cagaggcgaa tatgtgagaa ggtccaccac 60  
ctcagagctt gaatcagctt cacgatgatg gaaaggtaag ctttatcact gatctcaaca 120  
gcagactggg ggc 133

<210> 503  
<211> 119  
<212> DNA  
<213> Homo sapiens

<400> 503  
gagtcaggct tactaatgct gccctcactg cctctttgca gtaggggaga gagcagagaa 60  
gtacagggtca tctgctggga tctagttttc caagtaacat tttgtggtga cagaagcct 119

## ADL\_0311WP\_Sequence\_Listing

<210> 504  
 <211> 87  
 <212> DNA  
 <213> Homo sapiens

<400> 504  
 gatcaaataca agtcttggtt gtggcttgct gaattaaata tttatgagtg gtgcattttt 60  
 aagtatcgtg accaagacac catatta 87

<210> 505  
 <211> 298  
 <212> DNA  
 <213> Homo sapiens

<400> 505  
 aatacagaac tgagcctagg ccagggaact gggattgggg ttagatctaa gcaagatcag 60  
 catgtaagtg atagtggaga aagtaaattg agagggtgagg actcatcccc ttggtggaaa 120  
 ttcggaatta ataaagcagg aggagagtca ggataatggg ctgttgaata aagaaagtaa 180  
 gtgacaagga agaggtaatg tgtatccaag aagtaggaaa gaaatgagac ttaaagcgta 240  
 gggggttagg ctgtgtaaga gctcagtacc caacagggtgc tcagtcaagt aacttgac 298

<210> 506  
 <211> 247  
 <212> DNA  
 <213> Homo sapiens

<400> 506  
 tgggattgca gtcgcctgcc accgtgcccc gctaactttt gtattttggt tgagacaggg 60  
 tttcgccgtg ttggccaggc tggcttagaa ctcttgacct cagggtgatcc acccgccctg 120  
 gcctcccaaa gtgctgggat tacaggcgtg agccaccaca cccggccaaa aaaaaattt 180  
 tttttctatc cctgccattc agtctccatt agcactctat tctctctcat ttattccacc 240  
 ccgtctt 247

<210> 507  
 <211> 204  
 <212> DNA  
 <213> Homo sapiens

<400> 507  
 accaccccta gctttgtgtg tagtgtagt attttctggc tgtcactcat actcactggg 60  
 caccagcctt gccctcttag cctccatcca tccagacagc ccttcccacc tcctgggtgg 120  
 gagccagtct gcattcccac gccatcccaa agccctttca tcttaccgt gcattgtaga 180  
 tggaaggagc acccatgcca ttca 204

<210> 508  
 <211> 179  
 <212> DNA  
 <213> Homo sapiens

<400> 508  
 aaaaaggctc atgatcttga gggcagacag cagaattcct cttataaaga aaactgtttg 60

ADL\_0311WP\_Sequence\_Listing

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| ggaaaatacg ttgagggaga gaagaccttg ggccaagatg ctaaatggga atgcaaagct | 120 |
| tgagctgctc tgcaagaaaa aataagcagg acagaggatt tgctctggac agagatgga  | 179 |

<210> 509  
 <211> 291  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (39)..(83)  
 <223> n is a, c, g, or t

|                                                                                 |     |
|---------------------------------------------------------------------------------|-----|
| <400> 509<br>tgggtgaattt tctaggagcg atgatgtact gtaattgtnn nnnnnnnnnn nnnnnnnnnn | 60  |
| nnnnnnnnnn nnnnnnnnnn nnnaatgctt gttctaagac atttctgaat gtagaccatt               | 120 |
| ttccaaaaag gaaactttat tttcaaaaac ctaatccgta gtaattccta atcttggaga               | 180 |
| ataaaaaagg gcggtggagg ggaaaacatt aagaatttat tcattatttc tcgagtactt               | 240 |
| tcagaaagtc tgacactttc attgttgtgc cagctgggtg aaattaaaac t                        | 291 |

<210> 510  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

|                                                                                |     |
|--------------------------------------------------------------------------------|-----|
| <400> 510<br>gatagtgatg ggtcttccca ttgtccttaa accctgtaca tattgtgcag cctggcctgg | 60  |
| gactggatgt ttcagtagaa ataacacagg ggacaccaga ggcaagcctg gaggtcagct              | 120 |
| cagtcgttag gcagtggagg cacaaggtag ggcagttttt cccagggtgtt tgatgatgac             | 180 |
| tgacttgagc cagagacccc taaagataga gtggagtcca gggaatgatc tagaacttca              | 240 |
| ggtgacaggc aggagctgcc cggatttaac agcagaacca ta                                 | 282 |

<210> 511  
 <211> 164  
 <212> DNA  
 <213> Homo sapiens

|                                                                                |     |
|--------------------------------------------------------------------------------|-----|
| <400> 511<br>ctaactctgt cctgaagagt gggacaaatg cagccgggcg gcagatctag cgggagctca | 60  |
| aagggatgtg ggcgaaatct tgagtcttct gagaaaactg tacaagacac tacgggaaca              | 120 |
| gtttgcctct ctcccagcct caaccacaat tcttccatgc tggg                               | 164 |

<210> 512  
 <211> 294  
 <212> DNA  
 <213> Homo sapiens

|                                                                                |     |
|--------------------------------------------------------------------------------|-----|
| <400> 512<br>gatggacagg gttctgaaaa aactgaaaat gaattctaga aagcagcatt tgagagggaa | 60  |
| aagagaagtg atcagcattt aggaatatga actgtctgga gctagagaaa cagcctggga              | 120 |

## ADL\_0311WP\_Sequence\_Listing

aaagagcaaa gggctagagc aggaaagaga aaagagaatg agactagcgg tggtttggat 180  
attattttgta accaaagtca aaggacggga gatctagagt ccagccaaca aagaacttgc 240  
tcctataaaa accaaatgga cccaccctt cacttgacgt agaggtcctt tcct 294

<210> 513  
<211> 262  
<212> DNA  
<213> Homo sapiens

<400> 513  
aacatggtcc tggaggttac agtgtagtga ggggcaaaga catggagcca atggttgagc 60  
tgaaacctca tgtgaggagt taactggatg gagaaaggag tcaagagagt tctaggtaga 120  
ggaggcagca tgtcaaaggc acagtaaagg gaggatgaat ggtccatttc agggatggaa 180  
gaaggctgct agattggaac ataggggaagg agggaatgtg tgatacaagc tggagctaga 240  
aaggtaggtg gtcagaacat ag 262

<210> 514  
<211> 81  
<212> DNA  
<213> Homo sapiens

<400> 514  
gaaaaattta cacagctaga tttggaagat gttcaagtta gagaaaagtt aaaacatgcc 60  
acgagtaaag ccaaaaaact g 81

<210> 515  
<211> 296  
<212> DNA  
<213> Homo sapiens

<400> 515  
ttaaagggtc ctgctctatc gttctgtgtc tggctctgca aactgctggt atgtaaaaga 60  
ccctctttcc agacaggcca cgaactcccc gaaggccggg ctggcctctt ctctgcctct 120  
gtcccaacct ccctgacaca cctccatcc acgttaataa aacaggggaac acaccagagg 180  
gctcagtaga gaaaaacaca tcataatgac tgatttataa tttttatagc tttaaaataa 240  
taaatttatt tttttccatt aaagtattat aacacgatta caaaaagccc tcgtgc 296

<210> 516  
<211> 285  
<212> DNA  
<213> Homo sapiens

<400> 516  
tagatgccgt catcttccgt ggtcacgccc acaatcttca gcgtaggcctc tcccagggtca 60  
ctgtaggaga tgctgtagtg accatcgttg ttcaagggtg tgtgttcagg gcccttccag 120  
gtaattgagg ctttggggcg gccacagact cgacatctag gaacaacggt ctccccgtgc 180  
tcacacgtga cctcactcaa tggaatgacg aattctgggg gaacgtcata aatgtagttg 240  
ggattgagaa gcttggttgct gagtccttcc cgtgacttcc gataa 285

## ADL\_0311WP\_Sequence\_Listing

<210> 517  
 <211> 148  
 <212> DNA  
 <213> Homo sapiens

<400> 517  
 cactatgcag ttactgtgac tgtgggagggc aagcaacact tgctcggact gtatgacacc 60  
 gcgggacagg aggactacaa ccagctgagg ccactctcct accccaacac ggatgtgttt 120  
 ttgatctgct tctctgtcgt aaaccctg 148

<210> 518  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 518  
 gaccaggaag tcctataaag aattatatatt ctatagaatt aaaaatgcag ttctgtcagc 60  
 ctggacaaca aagtgcagacc cccatagcta caaaaaaaaa aaaaaaagt tttttaagag 120  
 ttgggcatgg tggcacacgc ctgtagtcct agcttctcgg gaggctgagg tgggaggatt 180  
 gcttgagatt gggagggtga ggctgcagtg agccgtgatc acaccactgc actccatcct 240  
 gggtaacaga gtgagaccac ttaaattaa 269

<210> 519  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<400> 519  
 caaagcaaca aatggaggca tatgaaattc ctcatcgagg aaacactgga gatgttgctg 60  
 ttgagatgat gtggaaacct gcctatgatt ttctgtatac ctggagtgtc cactatggaa 120  
 ataactacag agatgtgtta caagaccttc agtcagcttt ggacagaatg aaaaaccctg 180  
 tgactaaaca ctggagagaa ttaactggag ttttaatact agtaaattct ttggagggtt 240  
 tgagagtaac tgcattctcc act 263

<210> 520  
 <211> 182  
 <212> DNA  
 <213> Homo sapiens

<400> 520  
 tgtaaaccca ttccagtaca gtattctttt aaaattcaaa agtattgaaa gccaacaact 60  
 ctgcctttat gatgctaagc tgatattatt tcttctctta tcctctctct cttctaggcc 120  
 cattgtcctc cttttcactt tattgctatc gccctccttt cccttattgc ctcccaggca 180  
 ag 182

<210> 521  
 <211> 276  
 <212> DNA  
 <213> Homo sapiens

# ADL\_0311WP\_Sequence\_Listing

<400> 521  
agccacagtt ggtgtggctg gttcaggggc tggcattgga accgtgtttg gcagcttgat 60  
cattggctat gccaggaacc cgtctctcaa gcagcagctc ttctcctatg ccattcttgg 120  
ctttgccctc tctgaggcca tggggctttt ctgtttgatg gtcgccttcc tcatcctctt 180  
cgccatgtga ggctccatgg ggggtcaccg gcctgttgct actgcaactc cacaccattc 240  
ttggtgctgg ggtgtgttaa gctttaccat taaaca 276

<210> 522  
<211> 288  
<212> DNA  
<213> Homo sapiens

<400> 522  
ggcttaacca gctagacatt cctctaaata catacgtaac aaaaattgat ggcaggagat 60  
tttattggga tctactggata cctacactca acaggcagaa cttggctaata tccatttata 120  
ccactactga gacagtgaag acaaattaag aatcagaaca ggaagcacat agcataggga 180  
taccctgtgtc agcgacatat ttaatatgcc cctcagctta agactcaata ctgaacagac 240  
caaaaggcca cctcaattgc cgctcccgcc acacttgcta ttgaaact 288

<210> 523  
<211> 210  
<212> DNA  
<213> Homo sapiens

<400> 523  
ccaaggcatt gctaattctt gtacttcagt aaacactgaa aagtcaacgt aactctatag 60  
gtcgcataatt cttgaatgac agggaaaggc aaacatctct acagagggtg gatcgaaagc 120  
attttacatt aggtacacag aaacttttaa ctcacactat gtaagcctct aatcagcctg 180  
agcaaaatcc attgcctaca cagtcattta 210

<210> 524  
<211> 54  
<212> DNA  
<213> Homo sapiens

<400> 524  
ggttgaaaga tgaaatgcct gtatgtgctc tgaagaaatg gtaattccag attg 54

<210> 525  
<211> 277  
<212> DNA  
<213> Homo sapiens

<400> 525  
tccacctgcc gagaagctga gattatagtc actgtgcctg gctggaatat agccttttga 60  
ctccatgtca ttaccgcac tcttcgctct tcctggaatg tatttcctga gcctgtctgc 120  
cctaaaaatt ccaatttctc ctttaagctt tggctcaa at gctatctata ctctgtctgc 180  
tcccccaagt cccctagtgc acacacaggg tcctcttctg ctcttcctta tgttcttctt 240  
tgtcagagca acatcacagc agtaccctaa catttgg 277

## ADL\_0311WP\_Sequence\_Listing

<210> 526  
 <211> 39  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 526  
 gcggcgggca gggcttgccct ttcttagtct gatgccaag 39  
  
 <210> 527  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 527  
 gggccatgac acctgatcat tggatcaaga ggggcactgc tctactcatg agcctggaca 60  
 gctgagacct cctcctcttc tccgcttgag agagaggggc agggactcca ggagctaaga 120  
 cagatgttgc acctaggact gaggccggac ctcaactcaga ctttgacctt ggccgaattt 180  
 gtgtgatgtg gccctggaga tacctagttg tgttagccat aaa 223  
  
 <210> 528  
 <211> 239  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 528  
 caggaaggcc tcgaggccac acaggggctg ctggccggcg agtgggcccc acccctctgg 60  
 gagctgggca gcctcttcca ggccttcgtg aagagggaga gccaggctta tgcgtaagct 120  
 tcatagcttc tgctggcctg gggcggaccc aggacccctg gggcctgggt gccctgagtg 180  
 gtggtaaagt ggagcaatcc cttcacgctc cttggccatg ttctgagcgg ccagcttgg 239  
  
 <210> 529  
 <211> 211  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 529  
 ctggttgact attccatcac ccatgcagag cccgccaacg tgttcgacat caattcccac 60  
 acgggggaga tctggctcaa gaattccatc cgctccctgg atgccctgca caacatcaca 120  
 cctggaaggg actgcctatg gtccctagag gtgcaggcca aggaccgggg ctcccacatc 180  
 attcagcac cacagcctta ctcaagattg a 211  
  
 <210> 530  
 <211> 256  
 <212> DNA  
 <213> Homo sapiens  
  
 <400> 530  
 tcggcctcag attccatatt tgaacaccag ctgattgaga gaaggggaat gagaagagct 60  
 ggatgagttt aaataactca ttgttcagat tcctgaacag gagttgggat aatggccatc 120  
 ttttctttcc tatcctttct tccccctca ctgtgaaaaa taacagtcca cccaagtca 180

## ADL\_0311WP\_Sequence\_Listing

tacactggac ccagtgacctg cggggacagg actgtgggtt tcttggtcac acctgtgttg 240  
gtgctcaatg cagtgt 256

<210> 531  
<211> 250  
<212> DNA  
<213> Homo sapiens

<400> 531  
tagtttcatt tactcttttag gcagaaaata ggttcaaggg tctagtaaag gaggcaaattg 60  
ggcagaaaac aacctcttgt ttgctatccc actgcacttg aaatggacct ctataattca 120  
ctaccattta taagtgtctc gcatatcaac atcacattag gtaattttact gcctccaatt 180  
cctgggtccat aactattcca tcctgaaaag tcataatata atgttatttg aacaatctat 240  
tcatatggta 250

<210> 532  
<211> 143  
<212> DNA  
<213> Homo sapiens

<400> 532  
atgtatacaa agtaaattct tagccagggtg tagtggctca tgcctgtaat cccagcactt 60  
tgggaggctg aggcgggttg atcacttgag gtcagaagtt caagaccagc ctgaccaaca 120  
tcgtgaaatg ccgtctttac aaa 143

<210> 533  
<211> 273  
<212> DNA  
<213> Homo sapiens

<400> 533  
agtggcttcc ttggagtagt gggtgaaagt ctgcttaaaa agagggctta ggagagaatt 60  
gggggaagga attgaaatac atcaacatag acaactcttg aggagttttg ccatgaagag 120  
acactttgca tccagaggac actttgcac cagagagtgg cttccttgga gtagtgggtg 180  
aaagtctgct taaaagagg gcttaggaga gaattggggg aaggaattga aatacatcaa 240  
catagacaac tcttgaggag ttttgccatg aag 273

<210> 534  
<211> 250  
<212> DNA  
<213> Homo sapiens

<400> 534  
gagctggaaa aaagtcagac tctccacaga cccctatgg gggaccccca actcaaggcc 60  
aaggactggg cgtatcggat gtcataaca cccctggcct ggccccttta ctgagaagac 120  
tccttgata tttcccaaga acccccaca tacaccctc acaagccacc cctcctgaga 180  
ggcagggggc cctccgcccc ctccccatgt attccccacc tgtgttccgt ttgaccagca 240  
cagaaatatt 250

## ADL\_0311WP\_Sequence\_Listing

<210> 535  
 <211> 91  
 <212> DNA  
 <213> Homo sapiens

<400> 535  
 gggagcacac agtcacctct cacagctcca ttatccagcg gctgccgggc tctgacaacc 60  
 tatatgatga cccctaccag ccagagataa c 91

<210> 536  
 <211> 250  
 <212> DNA  
 <213> Homo sapiens

<400> 536  
 gctgccattg ctgtggttat gggcatttag aaaacttgaa agtcagcact aaaggatggg 60  
 cagaggttca acccacacct ccactttgct tctgaaggcc cattcattag accacttgta 120  
 aagattactc caaccagtt tttatatctt tggttcaaaa cggcattgtct ctccaacaat 180  
 ttaagtgcct gatacaaagt ccaaagtata aacatgctcc tttactctct tgctgctact 240  
 cttgcttttg 250

<210> 537  
 <211> 64  
 <212> DNA  
 <213> Homo sapiens

<400> 537  
 gtagctattg atgtacactt cgcaacggag tgtctgaaat tgtggtgggtc ctgatttata 60  
 ggat 64

<210> 538  
 <211> 299  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (224)..(232)  
 <223> n is a, c, g, or t

<400> 538  
 cagaggtctt gcagcccctg tggatgcccc cgccgagggtc ccccgatccc cgcacccgga 60  
 ctgctgtctc ctgccccacc attgcgggtc cccaggaag ccagggtgacc ccagggtggga 120  
 ggctgtgtgt ggaggccatc ctggaaggaa gtttagacct gccaggtgt ggagcgaggg 180  
 gcacaggggc atcctaacct cagaaactga aataaagcct ttgnnnnnnn nntctgtaaa 240  
 acatcaaccc ccaatcagaa gatggcaa at ggggaataaa aatagcaggt aacacgtca 299

<210> 539  
 <211> 195  
 <212> DNA  
 <213> Homo sapiens

# ADL\_0311WP\_Sequence\_Listing

<400> 539  
 tgacagcagc tgatgttggt aaacagtgga agggaaaagaa gaaaaagaaa aagccaattc 60  
 aggagccaga ggtgcctcag attgatgttc caaatctcaa acccattttt ggaattcctt 120  
 tggctgatgc agtagagagg accatgatgt atgatggcat tcggctgcca gccgttttcc 180  
 gtgaatgtat agatt 195

<210> 540  
 <211> 171  
 <212> DNA  
 <213> Homo sapiens

<400> 540  
 aaaatagaac atcctgagtt acagaaattc agccctagtg taccctggcc taaaaataca 60  
 gaacaatcaa gttgagtggg tggaaatgag aggctaggca gggttggaaa catgctaata 120  
 ttactgagt gaaatctttc cttctcagta gagttgccct tgcagctgaa a 171

<210> 541  
 <211> 44  
 <212> DNA  
 <213> Homo sapiens

<400> 541  
 tctctggctg atatgttccc tgagatgaat gaggtctgtc aaga 44

<210> 542  
 <211> 249  
 <212> DNA  
 <213> Homo sapiens

<400> 542  
 gttacagggtg ctacgcatga tggtcggagt aaatatctca gatgagcagc tgggcagcat 60  
 cgcagacagg accattcagg aggctgatca ggatggggac agtgccatat ctttcacaga 120  
 atttgttaag gttttggaga aggtggatgt agaacagaaa atgagcatcc gatttcttca 180  
 ctaaaggaga ccaaactggt ctttgcggtc tagtatTTAA gaactggaac ttgaaagtcc 240  
 tccttctac 249

<210> 543  
 <211> 213  
 <212> DNA  
 <213> Homo sapiens

<400> 543  
 gaatccatta tcaatgttgc tagtgtaata cacaagaaaa ccaatgaga gaaattcaaa 60  
 tattaagaaa caagcttttg ttgattgagc tttaaatggc cacacaccat tataatatct 120  
 aagatgcttg tgctcccaa taaccaattt ttgcctcaa tgaggatgca agtcctaact 180  
 tctatgctcc cgaatttatc atactagcac cta 213

<210> 544  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

# ADL\_0311WP\_Sequence\_Listing

```
<400> 544
taataagtgt tagcatcgtg tgtcttgaag tatacttttg cactgtaact tgggttacgt      60
taaagagagc ttagcaccaa aggtagataa tgaagaaatg gcataggaaa gtggagatga      120
taaaaagttg attgttgaac caaaaagggg ttgaagggaa gcttcgactg agtatcagaa      180
attacttaag gcacatagga cctgaatcag graaccagca cttcttataa ctgccagttt      240
ta                                                                    242
```

```
<210> 545
<211> 215
<212> DNA
<213> Homo sapiens
```

```
<400> 545
tgcaaggact cacctccttg agccttggtt tttgtttag ggattaaatg agataaatatg      60
agtggcagct cttcatgagt cctgcagtgc taagcaaatg tcagaaattg gtgtattaga      120
ctatttatct ttgatcttct gaatggattg ctgtcatgga cacggacacg gatcttcatc      180
tggttcattg tatttatatg tgagggatgg atggc                                215
```

```
<210> 546
<211> 237
<212> DNA
<213> Homo sapiens
```

```
<400> 546
ggagaagtta agcaacatct agcaaatggt atgcataaag tcagtgccca actgttatag      60
gttggttgat aaatcagtgg ttatttaggg aactgcttga cgtaggaacg gtaaatttct      120
gtgggagaat tcttacatgt tttctttgct ttaagtgtaa ctggcagttt tccattgggt      180
tacctgtgaa atagttcaaa gcctagttta tatacaatta tatcagtcct ctttcaa      237
```

```
<210> 547
<211> 257
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (220)..(220)
<223> n is a, c, g, or t
```

```
<400> 547
gaattgtcat tcataactct gtgctatatt acttgagggg ctaagaaaaa tgtatggtca      60
gtgaaacaca gtagtgtagg cttaaagtc ttataaaaga ccatccatcc agtctgcgct      120
tttgactgtg tgcaagtatc agtaataatg cttttggggg ctcagatgaa cagcgaacac      180
caatcagcca ggactctgga aggaaagctc caaaaatgan gaagtccttt caacaccatt      240
ttccattact gttctca                                                    257
```

```
<210> 548
<211> 34
```

## ADL\_0311WP\_Sequence\_Listing

```

<212> DNA
<213> Homo sapiens

<400> 548
tttgattaat aaaaatgcgt tgagcctagt tata 34

<210> 549
<211> 194
<212> DNA
<213> Homo sapiens

<400> 549
gttgcttccc caccctgagg agaggacacc atggcttact actcaggaca agtatgcccc 60
gctcagggtg tgatttcagg tggcttccaa acttgtagcg agtttaaaga tgggtggggac 120
agactttgcc tctacctagt gaacccccact taaagaataa ggagcatttg aatctcttgg 180
aaaaggccat gaag 194

<210> 550
<211> 198
<212> DNA
<213> Homo sapiens

<400> 550
tgggaaatat agtgaaactc ctgtccctac aaaaaataca aaaattagcc ggggtgtggta 60
gtgcatgcct gtagtcccag ctacttggga ggctgaagtg ggaggatggc ctgagctcaa 120
ggagatgcag gctgcagtgg gctgtgattg tgccactgca ctccagcctg ggcaccaatg 180
tgagaacctg tcttgga 198

<210> 551
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (76)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<400> 551
ttgaaagaca ccagtgcaca cccaaactcc tggccttctg tgggttccct ttgctccaga 60
acacagatgt gtctanngaa aaacaaacga aaaccgagcc naaacnacca aaccccaggg 120
gggggccgct ctaaagaatc cctcgagggg cccaagctta cgcgtacca gcttttcttg 180
tacaaagggg cccctaaagg ggagtcggaa taaaaaacta aaggcccttg gcccgtcctt 240
tttacaacgc cccggaactg gggaaaacat gccaaccttg ggggatcttt tg 292

```

## ADL\_0311WP\_Sequence\_Listing

<210> 552  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens

<400> 552  
 gatgctcttc agttcaacta tattccctat ctgataattc cagaatctct atcatgtctg 60  
 agtctgggtc tgatgctttc attgtttctt cagattgtga tttttcttgc ctcccagtgt 120  
 gacttgtaat ttttaattga aagctggata tgatgtatth ggcaatggga agtgagggaa 180  
 atatgttttt agtgtgaggg tttatgttaa tctttctcag agttgggctg tttaatgttt 240  
 tgctgtgggtc tgaatgttcc ttaaaact 268

<210> 553  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 553  
 aaggattggg ggtcgtgcag cccagccagc aggagggact gaggccctct aggaggaaag 60  
 cccagagggga gggggccctc attccttcag acccagtttt cccccaccct ccttaccctg 120  
 ctgggctagg tctccgccag ggctggcctc agtttctcct caacaggcct gggggcagcc 180  
 cttccctgc ctagtccccg cctgagtgcc agcscctcac cccgcctgcc gccccctgtt 240  
 caggttcct ccccgccaca gtgaaataa 269

<210> 554  
 <211> 297  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (47)..(47)  
 <223> n is a, c, g, or t

<220>  
 <221> misc\_feature  
 <222> (52)..(52)  
 <223> n is a, c, g, or t

<400> 554  
 tgcggaggcg ctagtccacc agagcbctc cccgcccctc ttcccantcc gnatccctcg 60  
 cccccctccc cacctccac cccccaccct gtaaactagg cggctgcagc aagcagacct 120  
 tcgcatcaac mcmscasaca ccamaaacca gtgagasccc cgctctctac cgccggggcc 180  
 cagcactgc tagctttcct gacacctgga actgtgcacc tggcaccaag cggaaaataa 240  
 actccaagca gccagtagcc ccgatggtgt gtgcctgacc tgtgtggccg gaggttc 297

<210> 555  
 <211> 35  
 <212> DNA  
 <213> Homo sapiens

## ADL\_0311WP\_Sequence\_Listing

<400> 555  
ttaggttaggt aaggaatgat cacattggag tttgg 35

<210> 556  
<211> 273  
<212> DNA  
<213> Homo sapiens

<400> 556  
acgtgcttat taggaaatga gtctgtatgg aaatctcacc acagataatg gttaacgaac 60  
cgggtcgaca tcacaaagga gggaggagac tctttttact aacttgaatg agacaaaagc 120  
agtgggtgtca gtttataatc ctgatgcatt tcagtaataa ttagaataaa cattatttta 180  
aaaaagttcc aacacacagc catgaggagc ctcagttttg aaagagggtgc ataataaac 240  
tactaaccag aggagtctat gccattttaa gaa 273

<210> 557  
<211> 256  
<212> DNA  
<213> Homo sapiens

<400> 557  
gccaggagtt ggagcccact ctggggaaaa catgttgaga tcttgcctct gcaaaaataa 60  
agtaaaataa aatttaaaaa aagtaaaaaa ataaaatcag ctgagcatgg tgacatgcac 120  
ctgtggtacc agctactttg gaggctaagt tgagaggcac tgatgggagg atcatttgac 180  
ggcccagagg ttgaggctgc agtgagctgt gtttgtgtca ttgactcca gcctgcgtaa 240  
cagagtaaaa ctttct 256

<210> 558  
<211> 185  
<212> DNA  
<213> Homo sapiens

<400> 558  
cttggagcca gagaagcgat tagaaacccc tgagggccga ttactgacat cataaatcat 60  
gagtttgggg gctttgcctg ggtgatgttg gtaccaggag acatagttat aaccaccaac 120  
gtcactgctg gttccagtgc aggagatggt gatcgactgt ccaggagacc cagacacgga 180  
ggcag 185

<210> 559  
<211> 246  
<212> DNA  
<213> Homo sapiens

<400> 559  
gtctgaatat cttactcaca gctcaccttt ttggtgcctt tgatccgtat tagaaattat 60  
ccacatcttc tctctgggca atattctact ttttatattg acccaattat tttactgctt 120  
tggtgtgtcc tttctcctaa cacatatggg ttcactttga aaccctgaaa cccacattta 180  
caaaaacatt ttcaatatga aacattgttc catgactcat tactggagta ccatcaacat 240

ttacat

246

<210> 560  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 560  
 gcaggtatatt tctacgggtg tttgatgttc ctgaagtgga agctgtgtgt tggcgtgcca 60  
 cggtggggat ttcgtgactc tataatgatt gttactcccc ctcccttttc aaattccaat 120  
 gtgaccaatt ccgcatcagg gtgtgaggag gctggggcta aggggctccc ctgaatatct 180  
 tctctgtca cttccaccat ctaagaggaa aaggtagatt gctcatgctg attaggattg 240  
 aa 242

<210> 561  
 <211> 285  
 <212> DNA  
 <213> Homo sapiens

<400> 561  
 tcctctgtca atgttcgatt atctccagga aaagagacca gatgcagccc accttccttc 60  
 acctataagt acacacctga agaggagcag gaattggaaa agcgggtgat ggaacatgat 120  
 ggtcagtcct tagttaaatc gaccattttc atctctccat catctgtgaa gaaagaagaa 180  
 gccccccaga gtgaggcgcc gcgggtggag gaatgccatc atggaaggac tcctacctgt 240  
 tcacggcttg ctccaccacc aatgtctcag tctacctgtt ccctt 285

<210> 562  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<400> 562  
 ggtaatgagc tcaatgcctc catttaatca cttttataag gctctctcca ataaggctgc 60  
 tgtgtgtgct tcctgccagt gttggagtaa tataacattt ttactgcaca caccttatgg 120  
 gaaagtgttt atactgagt tagttttagg aggggtaaat gaagattatt tccacaaatt 180  
 aagattgcac ttagtacacg cttttacaca actctgatgg tatttaccaa aacatggcat 240  
 gtcttttcac gtatattcct gaaaacacca a 271

<210> 563  
 <211> 211  
 <212> DNA  
 <213> Homo sapiens

<400> 563  
 agctttaaga ggaaagagct ctatTTTTct tgttttcttc tctgagctag actgagctgg 60  
 ggatctaaga tgtacttctc tgactacaaa agggacagta tcatttagat tttttgcagt 120  
 tggaagaaat gggttgttga gtgtgttaag gctgggatga agaagggctg ggcagtactc 180  
 ttctggaag gctcacctag cacgaacctg c 211

## ADL\_0311WP\_Sequence\_Listing

<210> 564  
 <211> 276  
 <212> DNA  
 <213> Homo sapiens

<400> 564  
 ggtaataaag agagccctcc ttgtcaaccc aaaatgtgag cccctgtgg caaaaccacc 60  
 ccctacccca ttaacaaatc aacagacaaa attctccgag tcctttgcct cttttgataa 120  
 catgttgttc tgttttgtaa agtgtgtgtg cttgggggtc cgagggtgg gattgagttc 180  
 tctgctttgt ttttttttaa gatattgtat gtaaattgaa aaagttattt aaatatatat 240  
 tttaaagaac cctaactgcc aacttttgct gaaaaa 276

<210> 565  
 <211> 257  
 <212> DNA  
 <213> Homo sapiens

<400> 565  
 gagtcacctt tagtcacctg gtccgtaacc atctttcctg tctaaacttc tcaccccacc 60  
 actctggctt ataccctgc tctctttaaa atagccagtc agaattagct tagattgtgc 120  
 ggtccaaccc tagcccatag ggaacaaca cagcagtagg gggtagctgc atcagggata 180  
 agaaccatt cccctccctt gttccggtgt gctctcgcca ttgcaccatc catgagacgc 240  
 actcttgat agaagta 257

<210> 566  
 <211> 198  
 <212> DNA  
 <213> Homo sapiens

<400> 566  
 gggaacctt gaataccata ggattaatat atgaaaaaat ttccctccct aaagtacatc 60  
 cacgttatga tttagacggg gatgctagca tggctaaggc aataacaggg gttgtgtgtt 120  
 atgcctgcag aattgccagt accttactgc tttatcagga attaatgcga aaggggatac 180  
 gatggctgat tgaattaa 198

<210> 567  
 <211> 228  
 <212> DNA  
 <213> Homo sapiens

<400> 567  
 taaaagaaac acctgcggcg gctccgcgcc tccctccctc cctcccaggc tcacctccta 60  
 ccttccttac ttcccttgta aaggcatagc caggggacat tgtccccag cttcacatcc 120  
 acatgtctcc tagcatggca catgcataat ctgccaagg agcatgaagt cagaccagca 180  
 aactgaacac gaggcacagt cctgcatgct ctgggaccga gcactgag 228

<210> 568  
 <211> 201  
 <212> DNA

## ADL\_0311WP\_Sequence\_Listing

&lt;213&gt; Homo sapiens

<400> 568  
agctgaagct gcgctcggcgg ctcacggagc tcctgggggc gcaggacggg gcgctgctgg 60  
tgcggctgct gcaggcgtg cgcgtggcca ggatgcccgg gctggagcgg agcgtccgtg 120  
agcgcttcct ccctgtgcac tgatcctggc cccctcttat ttattctaca tccttggcac 180  
cccacttgca ctgaaagagg c 201

<210> 569  
<211> 211  
<212> DNA  
<213> Homo sapiens

<400> 569  
agctttaaga ggaaagagct ctatctttct tgttttcttc tctgagctag actgagctgg 60  
ggatctaaga tgtacttctc tgactacaaa agggacagta tcatttagat tttttgcagt 120  
tggaagaaat ggggtgttga gtgtgttaag gctgggatga agaagggctg ggcagtactc 180  
ttctggaaag gctcacctag cacgaacctg c 211

<210> 570  
<211> 233  
<212> DNA  
<213> Homo sapiens

<400> 570  
ggaatgggag ttggcgggca gtgaacgagt gtggggaagg attggtggtg gggcaacagg 60  
aaggggcctg gggccgtttg ggtgccctaa ctttggtagc tcagtgtgca tttagagtgg 120  
gactggggag ggaggttaagc ttggggtggg ctgcttgggg cttggcatag ggtggaaagg 180  
gctaccctgg ggctttgacc cccctgtagt atgtgtggag ggtgccctcc cgt 233

<210> 571  
<211> 251  
<212> DNA  
<213> Homo sapiens

<400> 571  
aaactgctat ttctaactct tcatgaaagc attacctttg gaaagttaaa cttttttttt 60  
cctttcatca ccgtctttga aacaaattat tttccaattc ataagaactt tggtaaaaaa 120  
aaaaataaaa ggaaattata tgtttttctt tggacattca ttggaaggct tgttgaagac 180  
atgatcccc agaagcctta gtgaccaga tctcaaccag agactcaaga tagcctcaaa 240  
tacagtgaag g 251

<210> 572  
<211> 218  
<212> DNA  
<213> Homo sapiens

<400> 572  
aactgtatct taacttagca caattaactg cagcatatct acttcatagc cccttaacat 60  
gtcactttta ccaacaaagc tttttccttc atatttcta cacaataatt tctcaacaat 120

# ADL\_0311WP\_Sequence\_Listing

ttataacaat ctgtaaactct gaccttgcaa taaatagtca taaaacgta tttttattac 180  
tattattatt ttttagagaca aggtctcctc gtgccgaa 218

<210> 573  
<211> 250  
<212> DNA  
<213> Homo sapiens

<400> 573  
tcccacacca aaatagattc ccaaatagat attacaagta ggagaatttt tatgactact 60  
cagataaaac gaccattgat cacttacaaa catacaagtc ataaacaata cagaaataat 120  
atgtgtatata aaaaacacag aaattattat attgggaata gacatatgac tgattcatat 180  
gtaactttgt ctccacgctg tcttaaagtg tacagagttg aatattgtca ttcacaattg 240  
tcacacaaaa 250

<210> 574  
<211> 32  
<212> DNA  
<213> Homo sapiens

<400> 574  
caccaaagtt ctgaggcatt aagccagcag aa 32

<210> 575  
<211> 245  
<212> DNA  
<213> Homo sapiens

<400> 575  
taaaactctc tgagactggt ttccccccat gtcaaaacac ctatttttgca tggctatatg 60  
gaaattaaat gaaatagcaa atatgaaaaa cttttggccc agtgtataat tcatatcagg 120  
cactgatctg ttttcttttt gccctaacct acttttcctg catcatatac cactacacct 180  
ctttacaaac cttattaata gagccactct agactacttt atttccccaa gccatacaat 240  
gtact 245

<210> 576  
<211> 192  
<212> DNA  
<213> Homo sapiens

<400> 576  
aaaaccaccc ttgttgagc ctgcaggggtg gtgctgggac tgagccagtc ccaggggcat 60  
gtattggcct ggaggtgggg ttgggattgg gggctggtgc cagccttcct ctgcagctga 120  
cctctgttgt cctccccttg ggcggctgag agccccagct gacatggaaa tacagttgtt 180  
ggcctccggc ct 192

<210> 577  
<211> 269  
<212> DNA  
<213> Homo sapiens

## ADL\_0311WP\_Sequence\_Listing

<400> 577  
ctagaccac tgctggtccc ctttctccct cctgcttctc acctgaagcc acctgcccct 60  
cctttgtgcc ctcccttgct tcttctggtg ctctgtcccc tgctccccct ttgtcctcca 120  
tcccgaactcc atctccccca ccaggctggt caccaccaggc cagcgtctgt tgaaggatga 180  
agcagctcct gtccggccca gccctgcctc acagctgtgc gagctctgcc cttctcagct 240  
ctcaaacctg aataaatgca ccaagccca 269

<210> 578  
<211> 172  
<212> DNA  
<213> Homo sapiens

<400> 578  
tggcagagca acacttcgtc tcagaaaaaa aaaaaaaaaac caaaaaccaa aaagccaagt 60  
gtggtggtgt gcacctatag tcccagctac tcaggaagct gagacaagag gatcaattga 120  
gcccaggagt tcaaagctgt agtgagctgt cattgtgcca ctatcctcca gt 172

<210> 579  
<211> 269  
<212> DNA  
<213> Homo sapiens

<400> 579  
ggagcagtgc ccaccaaggg tttgtcagat tcaagcctca ggcaagagaa aaatcaaaag 60  
ccttctgcta ctctctccct ctgggcctct ggtctgcca gaggtgga ctccttcctc 120  
taccttgctc tcaatctgga ggggtgctggg ggggtgcctcc atcttactgg gccctggct 180  
ggcttggtggg ctgaggtgct aatggggctct agtagctgct gtgctccctt cttcatgccc 240  
agtctgaaac aggtgctccc ctaacccag 269

<210> 580  
<211> 144  
<212> DNA  
<213> Homo sapiens

<400> 580  
cagggaggcc tctctgcccc tatggggctc tgcctgcac ccctcaggga tggcgacagc 60  
aggccagaca cagtctgatg ccagctggga gtcttgctga ccctgccccg ggccgaggg 120  
tgtcaataaa gtgctgtcca gtga 144

<210> 581  
<211> 204  
<212> DNA  
<213> Homo sapiens

<400> 581  
aggatccgag tggtagtggt tctgagagtc agggcttagg tgctggagtg cgcacggagg 60  
ccgatgtaga ggaggaggcc ctgaggagga agctggagga gctgaccagc aacgtcagt 120  
accaggagac ctcgtccgag gaggaggagg ccaaggacga aaaggcagag cccaacaggg 180

acaaatcagt tgggcctcta gcgt 204

<210> 582  
 <211> 214  
 <212> DNA  
 <213> Homo sapiens

<400> 582  
 agtaacaata gccagagggt gaagggcggg gtagaagagg ggggaatgtt gcagcgtaat 60  
 cttcataacc acctggttct tgatattctg ccgcctgttc aagttcaaga ataaaagcga 120  
 cagcaggacc caaatgcagc tcccaaccca ctccccaggc tagacatgct tgtgtccaca 180  
 cagcacacca atgtgatact tccactgacc ggct 214

<210> 583  
 <211> 95  
 <212> DNA  
 <213> Homo sapiens

<400> 583  
 atgcagtgtg ttctgaggtc ctgtcacccc tgaggctgtg tgtgtccttt gccaaattaa 60  
 agagtcttac tgaatgcggt gcatccagga gacag 95

<210> 584  
 <211> 244  
 <212> DNA  
 <213> Homo sapiens

<400> 584  
 acttttattt tctatgcaaa ggtgattcag agaatttata taaaggcggg cgaggggcag 60  
 ccgagcaggg agctttggga cagggtctgg gcccccatat ccccccgagg ccacctgctt 120  
 tccctcctat ggctcccctg gaacaggagg gagagccaag ggggcggccc agcctggaca 180  
 gcgcccgcct ctgcctgggt gcacacacgg cgggcctgag ctccagcatc tgagtttggg 240  
 ggta 244

<210> 585  
 <211> 170  
 <212> DNA  
 <213> Homo sapiens

<400> 585  
 tgcacattgt gacatgtaca ctaaaactta aagtataata ataataaaat aaaaaaaaaa 60  
 gaaaagaacc tagtgtgtta aaccttaaat gcccttagaa ataacctaga ccagtgtttc 120  
 ttaaaactgtg gtcatgagat cagttgaatg gattatgacc aacattgaaa 170

<210> 586  
 <211> 233  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (160)..(183)

## ADL\_0311WP\_Sequence\_Listing

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<223>  n is a, c, g, or t

<400>  586
cttgctttcc ctaggagttg aatccttctc cctgcctacc tgcagcatct cctttccctt      60
taaaatgacc atgtagtggc aagcagcctt ttactcttct gttagctctg gactcttaac      120
acttaagtta ctcttctgaa attgctagga ccattggggn nnnnnnnnnnn nnnnnnnnnnn      180
nnnatgtccg acctgtgatc gtggtacagc attagctgaa atttaccctt gtt              233

<210>  587
<211>  240
<212>  DNA
<213>  Homo sapiens

<220>
<221>  misc_feature
<222>  (191)..(191)
<223>  n is a, c, g, or t

<220>
<221>  misc_feature
<222>  (207)..(207)
<223>  n is a, c, g, or t

<400>  587
aaggaccctg aaaaatgact tctcatttcc tgcctgcaga aaagagaaat attaggatag      60
tgttgtgtgc aaaaaaatgc aagcttgcaa tgagagatgc agagtgtgag ggagagaggc      120
acgaaggggg tggagaaaaa agacagagaa tttgaggttg actcacggct ttgaagggaa      180
aacaggaaga ngaagaaagt ctgtctncca tgggtcggca acccacactt tacacatttt      240

<210>  588
<211>  273
<212>  DNA
<213>  Homo sapiens

<400>  588
ataagtgtac caggactcta aaagaaactt gtttgtataa tgctatccaa ggtatgtagc      60
ccagggaata accaacctga tgtgtgttat gacccatttt aagcctcccg tgatcacagt      120
ttttaaaata aaattaagga ctggctctat ttctaggtga cacaagtaag gtaatagcta      180
gaacgggaaa aaagaggggc ccccaaaaat gtaaccttaa aatttggtgc ttgtgccgct      240
attgatagta agcagcatgg aataggatgt ggt              273

<210>  589
<211>  179
<212>  DNA
<213>  Homo sapiens

<400>  589
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acgggactct gtcaacggta aataggcaat catctctctt gaaaagtata catcctctct      120
cgcactggtg gaaagcaaat tgactttttg tttgctgtat aaaaccctta gcacttcaa      179

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## ADL\_0311WP\_Sequence\_Listing

<210> 590  
 <211> 186  
 <212> DNA  
 <213> Homo sapiens

<400> 590  
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 ggactctgcc ttcccagcgc ttgtcccccg aggaaagcgg ctgggcgggc ggggagctgg 120  
 gcctggagga tcctggagtc tcattaaatg cctgatttgt gaccatgtcc accagtatct 180  
 ggggtg 186

<210> 591  
 <211> 238  
 <212> DNA  
 <213> Homo sapiens

<400> 591  
 ttgcgcattc tccaagtcac ctagcccttc atcctcctcc acatcatcaa agtcgtcgcc 60  
 atcaaaattg tcctcgttgt ctgacatgac accctcgcct cagcgacccc gctgcgcccc 120  
 ggtcccgccg ggagaccgcg aaacagcgac actacgactc gcgcggctcc tagcttatct 180  
 tgcgcctcgt gccgaattcg ccaccagggc ctcgctacaa ttacggaccg ttatagta 238

<210> 592  
 <211> 148  
 <212> DNA  
 <213> Homo sapiens

<400> 592  
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 gcctttttct cattcaagaa ggcatacaaa tatctgagag tgactttgtt gtatggctac 120  
 ccttgtgatac tacagtaatt tattcttt 148

<210> 593  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<400> 593  
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 gggctgaggg tcctgaggag agagagagag gccacgtgga tggaggactg tcacccctt 120  
 ctcggttctg tcacccctt gagtctaact cactgttgag gggaggaaga agggggatgg 180  
 acggaagggg gaccgaggaa aggctttcgg gagtggggac attatccacc cagaggtgtg 240  
 ctaccacaaa ccaccgcgag atccttagag t 271

<210> 594  
 <211> 233  
 <212> DNA  
 <213> Homo sapiens

<400> 594  
 gaactgattt caaggaatgg gtccttcctt tcagagccac atgtgtgcgg gacaccaga 60

ADL\_0311WP\_Sequence\_Listing

cagaaaacac aaacacaaag tcgagtggag ggcatttgga aggagcagtg aagccgagcc 120  
 aggaaatacc aagatggcga gccagtgtgc ttgtagagat tgtagagagg gtagaattga 180  
 cactgtggac cctggcctcg atagagaaag gcatcagcta aggaagttgt tca 233

<210> 595  
 <211> 217  
 <212> DNA  
 <213> Homo sapiens

<400> 595  
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 gatcaaatct ataaaagaca caatctgcaa tcaagatgag ccgtatttcc aagttagaac 180  
 aagcagatgg caaagatagc agcctgaagg tcccacc 217

<210> 596  
 <211> 267  
 <212> DNA  
 <213> Homo sapiens

<400> 596  
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 acccaagagg tggaggggtg atgaggtgga acaatcaccg aaaccaaga ggcggagggc 120  
 ggatgaggtg gaacaatcgc ccaagcccaa gaggcagagg gaggccgagg cacaacaatt 180  
 acccaaacc aagagggcga ggttgagtaa gctgagaaca cgccattgca ctcaagcctg 240  
 ggcaataaga ataaatccgt gggtcga 267

<210> 597  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 597  
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 cagaaaggaa atactatggt gcttttgagt aactgcagtg tggctgaaga atgtggaaaa 120  
 tgatgaggat aaagaggtg acaggggaact aggtaaggga gggccttcct tttaaataat 180  
 tagaccttgt cctgtgtaca tttaatggga ttttaatcag gccataatgc caaatttctt 240  
 tacttcggaa ggatctttat ggtgatgggt tcaga 275

<210> 598  
 <211> 35  
 <212> DNA  
 <213> Homo sapiens

<400> 598  
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<210> 599  
 <211> 156  
 <212> DNA

## ADL\_0311WP\_Sequence\_Listing

&lt;213&gt; Homo sapiens

&lt;400&gt; 599

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 gggactgtag ggtggggaac caatgctgtc ctgcacactg aaactatgaa tgccaagata 120  
 tcactgccag atccttctgt ggatagctgg cggcat 156

&lt;210&gt; 600

&lt;211&gt; 243

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 600

gaagcctgac cccaagtgtg tcttcaccta tgtgcagtcg ctctacaacc acctgcgacg 60  
 ccacgaactg cgcttgcgcg gcaagaatgt ctagcctgcc cgcccgcagtg gccagccagt 120  
 ggcaagctgc cgccccact ctccgggcac cgtctcctgc ctgtgcgtcc gccaccgct 180  
 gccctgtctg ttgcgacacc ctcccccca catacacacg cagcgttttg ataaattatt 240  
 ggt 243

&lt;210&gt; 601

&lt;211&gt; 229

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 601

gcattattac tgatacttgc acacagtcaa aagcgcagac tggatggatg gtcttttata 60  
 aggcatttaa gggtagacta ctgtgtttca ctgaccatac atttttctta gccctcaag 120  
 taatatagca cagagttatg aatgacaatt cccctaacca ttctcttca tatctgcctc 180  
 ttccccttac catcgttaatt ctccaaactg gtcataaagg cactctgtg 229

&lt;210&gt; 602

&lt;211&gt; 93

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (33)..(48)

&lt;223&gt; n is a, c, g, or t

&lt;400&gt; 602

cattaagtcc tctgtaaggt gtcaggcaag ccnnnnnnnn nnnnnnnntg ggtaagtcct 60  
 aacccccac aaaggtgttc ccagtgacta cct 93

&lt;210&gt; 603

&lt;211&gt; 273

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 603

ttcgttggt ctgaatgtca tttttcctcc ctggtgtggt ttacatttt cagcttcttt 60  
 cccttttctt ctctcccacc ctcaaaattc tgccttagca tttgtgtgct taattaaatc 120

## ADL\_0311WP\_Sequence\_Listing

cactctgtgc tttatagttg gagaatgtgg acaatacaaa gatttgggggt ggggtcatac 180  
 agtgtataca aaacacagac actatgtggt tggacaaatt cgcctagcgt gagaatcatc 240  
 agtagtgagt taaacgtttg aaatcagagc caa 273

<210> 604  
 <211> 164  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (80)..(98)  
 <223> n is a, c, g, or t

<400> 604  
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 tttatgaaat agaactaccn nnnnnnnnnn nnnnnnnngt tcaacaacaa caaactgaag 120  
 ggggagaaaa atacaccatt accacagcaa caaattagtt tatg 164

<210> 605  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 605  
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 tctcacctca aagccattgt acttgctggt tcctatgcct gaatgttctt cccacagatg 120  
 ttgacaagac ttgctccttc acttcaatga cattcagata tcttattctc agagagcatt 180  
 tgacaaccta tctaaaatag ctccccctca ctgttcctgc ccatgctctt tataccccat 240  
 tttactttca tctttcttcc tagtactgac attat 275

<210> 606  
 <211> 271  
 <212> DNA  
 <213> Homo sapiens

<400> 606  
 agaactagca aaagccaagg ccctggggcg gggaggagcc tggatatgttc aaggggcaga 60  
 agggaggctg aagcagagt atcaagcgga cagggcaggc agagcctcaa atcccagact 120  
 gaggaacatg gtgaacgagg acacttcggg ggtccacaca taaagacgga gacagagact 180  
 cagggcagga aagtcacatg ccctgggaca ccccagtaaa cagagccaaa ctcaaacctc 240  
 agcctgtctg cagctgacat aggatgaagt t 271

<210> 607  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<400> 607  
 taagttatta actgaggctg accagagggg aggaccccc ctttaccacc ccatgcactt 60

## ADL\_0311WP\_Sequence\_Listing

tgcgagctgc cccttcttcc cccacatcag agagaaatgc cccacacca gagccccaag 120  
 ggtagggctg ccgatcagag ctgtgagtta acacaacagg 160

<210> 608  
 <211> 155  
 <212> DNA  
 <213> Homo sapiens

<400> 608  
 agcaccagta gtgggttgggg ccctcccctc aggctccatt tttaataagt ttttagtatt 60  
 tttgttaatg tgaggcattg agctgttggg ttttgtatat tatttatata gagaccccag 120  
 agctgttgca cccaatacac agagcttctt tgcaa 155

<210> 609  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens

<400> 609  
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 gactaacgct cacataactg gttttttttt ttatctgggc tgatgaatac atttacctaa 120  
 gaaactcatt tcgttttact taagagggga agtgcagttt tcttttggca gttcagaatc 180  
 caagcacttg atttgctggg tttggaaaac tccttttttg gccttctatg tgcttagcca 240  
 taacaattcc at 252

<210> 610  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<400> 610  
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 tctgaacacc ctgtgcaata gagtctgact ccattttttg atgtttgact gcagacatct 120  
 tttcagccta acccttccat cttctctttc tgtccaacac tggggcaagc tgacaaaaat 180  
 cctcaggtgc tcctcttctg taaccagcag taagtctgaa tcatacactg ccaccctcac 240  
 cccaaccctg tcccttaacc acattaaaac ccaaagccag tctcct 286

<210> 611  
 <211> 80  
 <212> DNA  
 <213> Homo sapiens

<400> 611  
 gggcctgttg aagatgcttg tattttactt ttcccttgta aatgctattc ccatcacagc 60  
 tgaacttggt gagatccccg 80

<210> 612  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

# ADL\_0311WP\_Sequence\_Listing

<400> 612  
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tgggatttga ggggaatcca tagatggaaa tataagttca agaggcatca gcatggatac 180  
cctattttgga tctggatgaa attacctaaa ggagaaaatg caggaggacg tgatgctggg 240  
tgatttttaga ggagaaacca tgaaggattc caaggagcag cagttggtca 290

<210> 613  
<211> 117  
<212> DNA  
<213> Homo sapiens

<400> 613  
aaaaattcat cccatatcca gaaagtacca gttataaaga ttgctgacca agcaaagttt 60  
tgcacaaag tgtcacctca ttgctctgac caaagactga ctgttgtggt ttttaact 117

<210> 614  
<211> 214  
<212> DNA  
<213> Homo sapiens

<400> 614  
acaccagtgt gctacagtgg cgggtggtct gatgcggcca gggaagagtc aggtgtcagg 60  
gcaggaattc tatttttcggg agatgtctat tgccgagtag agtaatatat acccagagta 120  
tgtctatagc agaggggggt atgggggcgg gagggtagac tgacatacag aagtctctat 180  
ttatccgggt gggaagaggg agtcacatcg cttt 214

<210> 615  
<211> 283  
<212> DNA  
<213> Homo sapiens

<400> 615  
ccagctggag gtgacgaggg atgatgcgcg tcttcttgtt gtcccagacc gcgttgcccg 60  
ccagctccag gatctcggcg gtcagatact cgaggaccgc agccatgtag acgggcgcgc 120  
cggccccac tcgctccgcg tagttgcctt tgcgcagcaa gcgatgcact cgccctaccg 180  
ggaactgaag gccagcgcgg gacgagcgcg acttggcctt ggcgcgggcc ttgcctcctt 240  
gcttgccacg accagacatg acagcgatag tagtcaccga gag 283

<210> 616  
<211> 192  
<212> DNA  
<213> Homo sapiens

<400> 616  
gaactatgat tgcactactg tgctccagct tgggcaacag agtgagatct tgtctccaaa 60  
agtccttgaa ggattttagg aagttgttaa aagtcttgaa acgatgtttg ggggcatgtt 120  
agggttcttg aatgtttaat tcctctaata actgcttatt caagagaagc atttctgact 180

gggtgcaggg ca

192

<210> 617  
 <211> 234  
 <212> DNA  
 <213> Homo sapiens

<400> 617  
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 tttgtgtttt ggaatttgcc ttatttttct tggatgcatg gttcagaggc tgtttcctgc 120  
 agcatgtatt tccatggccc acacagctat gtgtttgagc agcgaagagt ctttgagctg 180  
 aatgagccag agtgataatt tcagtgaac gaactttctg ctgaattaat ggta 234

<210> 618  
 <211> 146  
 <212> DNA  
 <213> Homo sapiens

<400> 618  
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 tgggtgaagaa gaaaggggtc agaagcgaaa acgagaacct gaagatgagg gagaagatga 120  
 tgactaagtg gataacctat tttgaa 146

<210> 619  
 <211> 63  
 <212> DNA  
 <213> Homo sapiens

<400> 619  
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 ctt 63

<210> 620  
 <211> 149  
 <212> DNA  
 <213> Homo sapiens

<400> 620  
 atcaactgaa tccaatattt cctgtggcaa ataacacttt cctcatttca taccttttct 60  
 cctctcttcc atgccaacat ttctccaccc acaacgtaca ctttttattt ctccatcaat 120  
 atttgaaagc gagtgatttg tgaccagga 149

<210> 621  
 <211> 151  
 <212> DNA  
 <213> Homo sapiens

<400> 621  
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 tgtcatctaa aagccggcta ctgtcagcaa agcctgaaga agtggggctg gataccctgc 120  
 cccaccata tccctaccat cctttctcag t 151

## ADL\_0311WP\_Sequence\_Listing

<210> 622  
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 <212> DNA  
 <213> Homo sapiens

<400> 622  
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 ctggtggtta tgaggcttat ggtaagagtg aggatgatgc ctccgatacc aaccctgatt 180  
 tctacatcaa tatttgtcag ccactaaatc ccatgcacgg agtgccctgt cctgccggag 240  
 ccgctgtgtg caaagttc 258

<210> 623  
 <211> 278  
 <212> DNA  
 <213> Homo sapiens

<400> 623  
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 cttccctctg catcctctct cttgagaga cctcatccag cccatgtttt caacaatcat 120  
 ctatacaaca atgatcttct acatacattc ctggcccaga tccctgccct gaattcccag 180  
 cctatagatc caacaaccct cctccaatac tgtctttccc agccattctc caggcctctg 240  
 ctatggtctg aatgtttgtg tccaaaaaca tgatgaag 278

<210> 624  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 624  
 aagacagtcc tcagaaaacc caagctttca tacagatgcc aaaaaagtcc atgggggtta 60  
 attctttgac cattttgagt gcagggactt attcatgctt acatcctcac aactcagctt 120  
 ggggactgcc tcacacctgg cagctgatcc tttttgtttt ttaaatgtaa gaagccacac 180  
 tgagggtctt ccaggcggaa aaagtttagga cacaggacca gcatttcttt ccagccactt 240  
 gtggatccct gattgaatgt cacccttgac tgcctaactc atctctttcc 290

<210> 625  
 <211> 292  
 <212> DNA  
 <213> Homo sapiens

<400> 625  
 cgactaatca tcttacggca gagaacaaac accaccacca agtaaaaata tccctgcaac 60  
 aaacacaacg gattccaatt cttccggcc aaccaatgt tccacggcgt ggacacatac 120  
 tggttgggcg caggcatcct cgcagtgacg tcccctgtac tcgtggctgc agttgcagtg 180  
 ataggagccg tgcgtgttct cacagagggc cccgtgcagg caagggtttc cagagcactc 240  
 gtcgatatca ctctgacacc tttctcccct aaaaccgaa tcacactgac aa 292

## ADL\_0311WP\_Sequence\_Listing

<210> 626  
 <211> 249  
 <212> DNA  
 <213> Homo sapiens

<400> 626  
 actatccagg aaaggaaatt tacagtatat ctcatttttg ggtttggaag gatgtgtaca 60  
 aaatagtgtg attgaaaatt gataaaataa aaaatccttat atacttatat tgggttaaagg 120  
 aagataggag aagtgcaga gcgagagaga gagagagtgt ttatgtgtga aggaaataag 180  
 aaagctcagt cttataagaa gtctcagata atgtgtagac ttacagaaa agcagtttaa 240  
 gaatggtat 249

<210> 627  
 <211> 262  
 <212> DNA  
 <213> Homo sapiens

<400> 627  
 gtatccaagt ccattgttac taggttgag gctggagatt ctaaattggct tccagaccat 60  
 ctctctgatt ctctttgga gatgggtct gaaagacaat gtcagtagtt ttgggaaatt 120  
 ctagaaagtg tgcttgaaa cgtaggaaga gctcttgct agtgcctaaa tgctccattt 180  
 gcagctctag ccaagtagat acttggtagg tatagagccg ggtttgcgtt tatattagca 240  
 aaacctatgt cagagttgaa ga 262

<210> 628  
 <211> 147  
 <212> DNA  
 <213> Homo sapiens

<400> 628  
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 gtatgttact tgagatatgg gaaacgctat tttccatgtt tagttatggg gtattcaagt 120  
 ctaactagtg gaaagtatgg atacatt 147

<210> 629  
 <211> 97  
 <212> DNA  
 <213> Homo sapiens

<400> 629  
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 tctgacttgt ccttatcttc ctaccagtct ctgccga 97

<210> 630  
 <211> 234  
 <212> DNA  
 <213> Homo sapiens

<400> 630  
 gttgtatcaa caatgattaa ctcttttatt atacatacac atgaatgtgc atttttggta 60  
 aatgcataaa tgagattcta taatgtttac tgatctttat attacagatt ttctcttctt 120

## ADL\_0311WP\_Sequence\_Listing

ttaggattag ctcagcttgc cccccctttc catctccacc atctatagtg agcctctcca 180  
 taattagtgc caaccattag tctcgttcat atttttacac caggagtcaa caaa 234

<210> 631  
 <211> 115  
 <212> DNA  
 <213> Homo sapiens

<400> 631  
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 tgggctagga gccagtgtga ggctgtaact tatactaaag gttgtgttgc ctgct 115

<210> 632  
 <211> 56  
 <212> DNA  
 <213> Homo sapiens

<400> 632  
 gaagactaaa cagaaaccag aactgaaaca ttcacctggt agcaaatgac actttg 56

<210> 633  
 <211> 251  
 <212> DNA  
 <213> Homo sapiens

<400> 633  
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 ttgggatggt agcgtctggg gtggggaggg cttccccttc cccactcgag ggtgcgggtg 120  
 ggggaaggggg ggtgggtgga gacagccctg gggcagggag gatggtctct ccactgtaga 180  
 aagtagagta ggattgtggt cagacttaat ttgaggcatc tagtgaagac acgtacaaat 240  
 ccaccaagga a 251

<210> 634  
 <211> 294  
 <212> DNA  
 <213> Homo sapiens

<400> 634  
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 ggaagagggtg gaccgagagg tctgaggggt tgaggactca ggcggaggat tggatgtggt 120  
 caactcagca atcgggtgctg tgcttgtgtg ggtggggggc cccgtgcttc cagtgggtgg 180  
 tgttgggggtt ggggtcaccg tagtgggtgt gctgatgggt atcatgggtg gggctctgtgt 240  
 gccggtgggt gttgggggtt cggtcaccga tagttgtggt ggtgatgggt gtca 294

<210> 635  
 <211> 221  
 <212> DNA  
 <213> Homo sapiens

<400> 635  
 tttgaaaaat gtttacagct ccacaaagat agacaaatct ccttgatgta tgaaaaatgt 60  
 caacaaacca ataaaaagac taacaattca gtagaaaaat ggacaaagaa caaatatgga 120

# ADL\_0311WP\_Sequence\_Listing

|                                                                   |     |
|-------------------------------------------------------------------|-----|
| gattcataga aatgagagat aaatgtcatg atgagaaggt gaggtgctca cttgatttat | 180 |
| aagagaaatg aaaattaaaa ctacaccaga tgccattttt t                     | 221 |

<210> 636  
 <211> 279  
 <212> DNA  
 <213> Homo sapiens

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| <400> 636                                                          |     |
| cgcgggcgatt cttgaggtcg atgtcgcgga tagcgccgta tttgtagaac acgtcctcaa | 60  |
| tgtccttggg tcggatgtct ggaggtaagt taccacgta gatgcggcaa tcgttggtcc   | 120 |
| ctgcggggcc acgaatcaca ccacctcccg acatggcggt gacgaaaagc gcggactcga  | 180 |
| gaacaggcct tcccaccaag cctagcgcac ggcagagcga gcccgcagcg gcaccacgtc  | 240 |
| tcccgcggcc cctccaaaat ggcgccttta tcagctcgg                         | 279 |