

P1055 PCT BLN ST25 (2)
SEQUENCE LISTING

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<120> SUBSTANCES AND METHODS FOR A DNA BASED PROFILING ASSAY

<130> P1055 PCT BLN

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<170> PatentIn version 3.3

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ggcaaagtgg gcgtctcaa gcacagctgc aatccacagc tcttgggagt ccacatcagc	360
accacaagg gtgtagccag gtggggcctg caccatggct ttcaactcac tgcctactcg	420
gtcaggctgt gggaagagtg agatacccaa atgagactct tcctaccca ttcctggagc	480
cagagttgac tgagaaagag c	501

<210> 26
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 26	
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tagttgaaga ttttggcatg ctcacggctg atgcccacag tagtggctgt cttactgtgt	120
agatcagtgc ccctgctctt cctgccctgc agtgtcatcc acccaaaggc tgtgcagcct	180
ggaagacaag caggagtgag aaaagcagct caggaacatt ctgccaatg ttcacagaa	240
ctgtcaatat gcatccatcc tgaggggctg ggctgcccc accccggctc ctgctcacca	300
tgcatgccgg caaagtgggc gtctccaagc acagctgcaa tccacagctc ttgggagtcc	360
acatcagcac ccacaagggt gtagccaggt ggggcctgca ccatggcttt caactcactg	420
cctactcggc caggctgtgg gaagagtgag atacccaa at gagactcttc ctacccatt	480
cctggagcca gagttgactg agaaagagc	509

<210> 27
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 27	
ctcatttctg ataacacaga ttatggttct gaaagatttt cttataatat tcatgataat	60
tgcctataaa tcaaagtcta gagcctgata atgtatgctt tcccccttcc ttaacctttt	120
ctgggttaaga gaagagaaaa ctattttaat gaggagaagg aaccatcaat ggcagagact	180
gaaggatgaa gtttgaaaga ataatgtagg ccaactattg caaatgagat ttggaggact	240
gtgcatgtgg cttgggactc atcatttcat ttggtattca gttttgttct gaggcagaaa	300
atcaatttctg ttgaatcatg tgactttggg ataatttata tcagagcaag gataaaggaa	360
atgagcaagc aaggaacaca gttttccttt tttaaaaaat gtgttttggt ttttggtttg	420
acgtgtcacc tcagcaagct acttgccaat agcacaggaa ggaaatggca ccagagaaat	480
atcagacttg gatatgcttc caacagcca	509

<210> 28

P1055 PCT BLN ST25 (2)

<211> 517
<212> DNA
<213> Homo sapiens

<400> 28
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tgcctataaa tcaaagtcta gagcctgata atgtatgctt tcccccttcc ttaacctttt 120
ctgggttaaga gaagagaaaa ctattttaat gaggagaagg aaccatcaat ggcagagact 180
gaaggatgaa gtttgaaaga ataatgtagg ccaactattg caaatgagat ttggaggact 240
gtgcatgtgg cctactgact tgggactcat catttcattt ggtattcagt tttgttctga 300
ggcagaaaaat caattctggt gaatcatgtg actttgggat aatttatatc agagcaagga 360
taaaggaaat gagcaagcaa ggaacacagt tttccttttt taaaaaatgt gttttggttt 420
ttggtttgac gtgtcacctc agcaagctac ttgccaatag cacaggaagg aaatggcacc 480
agagaaatat cagacttgga tatgcttcca acagcca 517

<210> 29
<211> 501
<212> DNA
<213> Homo sapiens

<400> 29
gactctagtt ccacggtggt tgtccactgg taataagtta agaatcaggg gaacgctaca 60
ccacatacac atgtatacac agcacataca catgtacaca cagacacaca cacacacaca 120
cacacacaca cacacacacc gagagagaat tctagtccag gttttgcttt tcagtcctat 180
ttagtagaag ctcaattaat taaaatttgt ttttcctgaa aattatttta gaaaatttaa 240
tttccaagta tacacgtgga aaaagaagat atatagaaaa aattaacaat gcttctttga 300
taggattatg aatgattttt attttttctt ttatactttg tttaaaattt tctacaaaat 360
tgtatatttt ttaataatta aggaaagaga aatctttttt taaaaaaata catttatttc 420
aaccatattg taacttctgt ttaactccat tgcctaattc caatggaaaa aatgtatcta 480
tctgtagcct tctttggaat a 501

<210> 30
<211> 512
<212> DNA
<213> Homo sapiens

<400> 30
gactctagtt ccacggtggt tgtccactgg taataagtta agaatcaggg gaacgctaca 60
ccacatacac atgtatacac agcacataca catgtacaca cagacacaca cacacacaca 120
cacacacaca cacacacacc gagagagaat tctagtccag gttttgcttt tcagtcctat 180
ttagtagaag ctcaattaat taaaatttgt ttttcctgaa aattatttta gaaaatttaa 240
tttccaagta tacaatgctt acacacgtgg aaaaagaaga tatatagaaa aaattaacaa 300
tgcttctttg ataggattat gaatgatttt tatttttttc ttatactttt gtttaaaatt 360
ttctacaaaa ttgtatattt tttaataatt aaggaaagag aaatcttttt ttaaaaaaat 420

P1055 PCT BLN ST25 (2)

acattttattt caaccatatt gtaacttctg tttaactcca ttgcctaatt ccaatggaaa 480
 aaatgtatct atctgtagcc ttctttggaa ta 512

<210> 31
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 31
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 agagacgggg tttcagcatg ttggccatgc tggcttgaa ttcctgacct caagagatct 120
 gcccgccttg gcctcccaaa gtgctggaat tacaggtgtg agccactgca cccagccttc 180
 tccttatatt tcttaaccag tcagaatact cttttgttcc tcctaattctc tttaacttca 240
 tgcagtcctc taaggaccag tgtgagtctc atatattcca tgaaatagaa tgaacttcct 300
 attgtatctg aaattgttcc atttgagttg tagtctgaaa tgaaccactt tcaactgaaa 360
 atgtgggggc aaataattaa ctctgctgag cctatttctg catatgcaaa ataagaataa 420
 tttcactaat acctgccctt tcaacctccc aagatcctag gaaggattgg atatgtgtta 480
 taaagttttg gtgagctggt a 501

<210> 32
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 32
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 agagacgggg tttcagcatg ttggccatgc tggcttgaa ttcctgacct caagagatct 120
 gcccgccttg gcctcccaaa gtgctggaat tacaggtgtg agccactgca cccagccttc 180
 tccttatatt tcttaaccag tcagaatact cttttgttcc tcctaattctc tttaacttca 240
 tgcagtcctc taagggaagga ccagtgtgag tctcatatat tccatgaaat agaatgaact 300
 tcctattgta tctgaaattg ttccatttga gttgtagtct gaaatgaacc actttcactg 360
 gaaaatgtgg gggcaaataa ttaactctgc tgagcctatt tctgcatatg caaaataaga 420
 ataatttcac taatacctgc ctttcaacc tccaagatc ctaggaagga ttggatatgt 480
 gttataaagt tttggtgagc tgta 505

<210> 33
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 33
 aaggacagcc atggcaaact acttcaaaag cacacagcac tgacaccaca gagtacttca 60
 cagttgtatc atttagaggg gtttgaata ctcaaacct tattacttaa aaatttctag 120
 aacactggtg ctgcaggggg ctttctctaa agcctatcta gtactgataa agaagaagct 180

P1055 PCT BLN ST25 (2)

gagatctaga gaaatgaaga gtcttactag ggtcataaac ccagtctgct gcagattgaa	240
ccaaaatttc agaggggaca tctctacgtg atgctgagac ctaaaactgg ccatggttac	300
ctagtatcta aagcgatgct gttccgccaa ctctacggag ttccacgaag ggatgtaaag	360
aggggtcaac taaattctgt ttcctctatt ttcaactgtc cagactataa tttcaagggt	420
tctaaattgt tttatatcta ttcatgtcac taaactttag cttaacaaaa atcctaaagc	480
tatattcttg agaagagaac a	501

<210> 34
 <211> 519
 <212> DNA
 <213> Homo sapiens

<400> 34 aaggacagcc atggcaaact acttcaaaag cacacagcac tgacaccaca gagtacttca	60
cagttgtatc atttagaggg gtttgtaata ctcaaacct tattacttaa aaatttctag	120
aacactgggtg ctgcaggggg ctttctctaa agcctatcta gtactgataa agaagaagct	180
gagatctaga gaaatgaaga gtcttactag ggtcataaac ccagtctgct gcagattgaa	240
ccaaaatttc atcctattct actctgaatg aggggacatc tctacgtgat gctgagacct	300
aaaactggcc atggttacct agtatctaaa gcgatgctgt tccgccaact ctacggagtt	360
ccacgaaggg atgtaaagag gggtaacta aattctgttt cctctatfff caactgtcca	420
gactataatt tcaagggttc taaattgttt tatatctatt catgtcacta aactttagct	480
taacaaaaat cctaaagcta tattcttgag aagagaaca	519

<210> 35
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 35 ttacaagaag acaaagtacg ctttctcccc taggaattct cttccacagc acctgaaaga	60
ggtaggtagg atggagtgag atgtggattt gaaaaccttg atcggaaga gctttccttt	120
ctagttaggg ctgcccatt ccagacaaca tgttttccag gaaaacacac acgcgcgcgc	180
gcacacacac acacacacac acacagacac gcctcttggtg tgctgggtcca ttctcttgta	240
accatgtcag gtgaaggaac agccccgagg aaaggggagc ggggttggtcc agtatccctc	300
tctgcaccta gggcatcgct ctttctccag ctttactgc ccaaagcccc aggtccctga	360
ggagcaaagg tgatggttct agggcaggag gggaaaaaca gagctcagtg tggaagaaag	420
agaaaactgg aggctaaatg ccaggaaatc accagagggga gagaatggga ggaaagaaag	480
gaacatttcc agttttggaa t	501

<210> 36
 <211> 512
 <212> DNA
 <213> Homo sapiens

P1055 PCT BLN ST25 (2)

<400> 36
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 ggtaggtagg atggagtgag atgtggattt gaaaaccttg atcggaaga gctttccttt 120
 ctagttaggg ctgccaatt ccagacaaca tgttttccag gaaaacacac acgcgcgcgc 180
 gcacacacac acacacacac acacagacac gcctcttggtg tgctggtcca ttctcttgta 240
 accatgtcag ggaagtctga ggtgaaggaa cagccccgag gaaaggggag cgggggtgtc 300
 cagtatccct ctctgcacct agggcatcgc tccttctcca gccttactg cccaaagccc 360
 caggctccctg aggagcaaag gtgatggttc tagggcagga ggggaaaaac agagctcagt 420
 gtggaagaaa gagaaaactg gaggctaaat gccaggaaat caccagaggg agagaatggg 480
 aggaaagaaa ggaacatttc cagttttgga at 512

<210> 37
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 37
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 gctccaaggg catggtgtgt gggtacagga ataagcagtt cggtttcagt ataaatagct 120
 atccccagag ccttgcaaag atggaactgg ctgccttggt cagtagtgag ctccccacca 180
 ctggagctgt gaaggcagaa gccggggtgg ggagggcgac tataaagagg attcctgtgt 240
 tggttagcag actagaccag ggtcagtgag ctttttctat aaagggccag atagtaaata 300
 cttgtggctt cgtgaaccag atggtctctg ctgcaactac ccagttctgc cattatagca 360
 caaaagcagc tacataggcc ataggtaaata gaatgagaat gactgtgcat aaataaaaat 420
 atttatgggc aatgaaattt gaatttcacg taattttcac atatcatgaa atattattct 480
 tcttcagctt ttttttttcc c 501

<210> 38
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 38
 tcaaaaaaaaa aaaaaaaaaact gatgggtgct ggggaggact gatagaactg aatgtgcagg 60
 gctccaaggg catggtgtgt gggtacagga ataagcagtt cggtttcagt ataaatagct 120
 atccccagag ccttgcaaag atggaactgg ctgccttggt cagtagtgag ctccccacca 180
 ctggagctgt gaaggcagaa gccggggtgg ggagggcgac tataaagagg attcctgtgt 240
 tggttagcag agtggactag accagggtca gtgagctttt tctataaagg gccagatagt 300
 aaatacttgt ggcttcgtga accagatggg ctctgctgca actaccagc tctgccatta 360
 tagcacaata gcagctacat aggccatagg taaatgaatg agaatgactg tgcataaata 420
 aaaatattta tgggcaatga aatttgaatt tcacgtaatt ttcacatatc atgaaatatt 480
 attcttcttc agcttttttt tttccc 506

P1055 PCT BLN ST25 (2)

<210> 39
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 39
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 ttttaaaaca cacccatggt tcccagccat cattttcagc tcgcttcctc catccacctc 120
 gcctcatggt ggagcttctg tattggggag gaaaaaaaaa atgtcaattt tataacataa 180
 tgtattttcta aatgatattt tattttcaata tcaagaaaat gagaaattaa attcaaatgt 240
 ccaactgatg aaagtataca atattaagta aactttttct gaagttctcc attctccagc 300
 tttaacaagt aaatttgtct ataaaacacc ctctacaca tgtttaaatt gtaactctta 360
 tattttaaat tcaatagaaa aatatcttta tgcattcctg agcaccaatc ctaacattca 420
 cttacataaa acaccaaadc caactaacat ggccatgctt actttacttg ttaccattat 480
 ataagacaat ctaacaaaac atttcc 506

<210> 40
 <211> 511
 <212> DNA
 <213> Homo sapiens

<400> 40
 accacattat aacagaagaa tgaaaaataa ctagacagtt cgatataatt atttttactc 60
 ttttaaaaca cacccatggt tcccagccat cattttcagc tcgcttcctc catccacctc 120
 gcctcatggt ggagcttctg tattggggag gaaaaaaaaa atgtcaattt tataacataa 180
 tgtattttcta aatgatattt tattttcaata tcaagaaaat gagaaattaa attcaaatgt 240
 ccaactgatg aaagtcaagt atacaatatt aagtaaacct tttctgaagt tctccattct 300
 ccagctttac aagtgaattt tgtctataaa acaccctcct acacatgttt aaattgtaac 360
 tcttatattt aaaattcaat agaaaaatat ctttatgcat tcctgagcac caatcctaac 420
 attcatttac ataaaacacc aaatccaact aacatggcca tgcttacttt acttggtacc 480
 attatataag acaatctaac aaaacatttc c 511

<210> 41
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 41
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 cgtccccggtt ggccttgacc ttgtgtaccc gcttgatgct gtggtgctgc caggcgggtcc 120
 agtagatgaa gtccccagc aggggtgaacc tgaaaatgtg tgggagcttg tccttcagga 180
 gggctctgcct cttcgtctca tcgacactga tcgcctgcag aatggcaaag atacaggtct 240
 ggatggggcca gggccatgcc aacgagagcc aaccctgacc ctgcctcggg cctgagctgc 300

P1055 PCT BLN ST25 (2)

cccaaacgag acgggttcaa caccagggag cctcaacttc acctgcacct tgccaggtac	360
cataaaacgc cagggtatcac ggctctccag ggggtgctgga taaatgacgt tttttctttt	420
cttttttttg agattctgag acagagtctc tccctgttgc ccaggctgga gtgcagtggt	480
gagatctcgg ctcactgcaa c	501

<210> 42
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 42	
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cgtcccgggtt ggccttgacc ttgtgtaccc gcttgatgct gtgggtgctgc caggcgggtcc	120
agtagatgaa gtccccagc aggggtgaacc tgaaaatgtg tgggagcttg tccttcagga	180
gggtctgcct cttcgtctca tcgacactga tcgcctgcag aatggcaaag atacaggtct	240
ggatgggcca gggcaatggc catgccaacg agagccaacc ctgaccctgc ctcgggcctg	300
agctgcccc aacgagacgg gttcaacacc caggagcctc aacttcacct gcaccttgcc	360
aggtaccata aaacgccagg tatcacggct ctccaggggt gctggataaa tgacgttttt	420
tcttttcttt tttttgagat tctgagacag agtctctccc tgttgcccag gctggagtgc	480
agtggtgaga tctcgggtca ctgcaac	507

<210> 43
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 43	
tcacacttga aactggataa agttttcgag tatttgatat gcttttggcc attcttaact	60
tttaatttat actgtatatt gacattaact taattgtttt tactgacatt ctttaattgct	120
ttttggaatt cattagctgg tataatacta aagtaataaa tacgttgtgt ttttctaaag	180
gcatctgaaa tagtggagct aaatactaaa actgggataa aaataatgggt aatttttagct	240
tacaaataaa caaatgtgag gtctctattt tacttatgga agtagaagga catcctcatg	300
taggttctac ctatgtttac ttgattaagt agaaaaaatt attagtttat tctgtagcca	360
aaaataaaat ggtgaaatga ttggtatata ttattgaatg atatatataa tgaatggtat	420
atatattaat gatatactta gataaaattg ttttaaaaat tgagattttg ttcttgacca	480
gcttggccaa catggcgaaa c	501

<210> 44
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 44	
tcacacttga aactggataa agttttcgag tatttgatat gcttttggcc attcttaact	60
tttaatttat actgtatatt gacattaact taattgtttt tactgacatt ctttaattgct	120

P1055 PCT BLN ST25 (2)

ttttggaatt cattagctgg tataatacta aagtaataaa tacgttgtgt ttttctaaag	180
gcatctgaaa tagtggagct aaataactaaa actgggataa aaataatggt aatttttagct	240
tacaaataaaa gacaaacaaa tgtgaggtct ctattttact tatggaagta gaaggacatc	300
ctcatgtagg ttctacctat gtttacttga ttaagtagaa aaaattatta gtttattctg	360
tagccaaaaa taaaatggtg aaatgattgg tatatattat tgaatgatat atataatgaa	420
tggtatatat attaatgata tacttagata aaattgtttt aaaaattgag attttgttct	480
tgaccagctt ggccaacatg gcgaaac	507

<210> 45
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 45	
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cattgcccac gagagagggc agggaacagg ctactgtcct tccctgtgga attgccgaga	120
aatctagcac cttgcatgct ggatctgggc tgcggggagg ctctttttct ccctggcctc	180
cagtgcccac caggaggatc tgcgcacggt gcacagccca ccagagcact acagcctttt	240
attgagtggg gcaagtgtcg ggctgtggc gtgccctgac agcatcttcc ccaggcagcg	300
gctctgtgga ggaggccata ctcccctagt tggccactgg ggccaccacc ctgaccacca	360
ctgtgcccct cattgttact gccttgtgag ataaaaactg attaaacctt tgtggctgtg	420
gttggctgac atgggggtctg tgtttcacta actaactaac taactgcagg tgggtggtatg	480
agactgtggg aagcagagaa c	501

<210> 46
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 46	
gggagggtggg ggtgagcccc tcacagcctt gccctcccc aaggctggca acctgcctcc	60
cattgcccac gagagagggc agggaacagg ctactgtcct tccctgtgga attgccgaga	120
aatctagcac cttgcatgct ggatctgggc tgcggggagg ctctttttct ccctggcctc	180
cagtgcccac caggaggatc tgcgcacggt gcacagccca ccagagcact acagcctttt	240
attgagtggg gtggggcaag tgctgggctg tggctgtgcc ctgacagcat cttccccagg	300
cagcggctct gtggaggagg ccatactccc ctagtgtggc actggggcca ccaccctgac	360
caccactgtg cccctcattg ttactgcctt gtgagataaa aactgattaa acctttgtgg	420
ctgtgggttg ctgacatggg gtctgtgttt cactaactaa ctaactaact gcagggtggtg	480
gtatgagact gtgggaagca gagaac	506

<210> 47
 <211> 501

P1055 PCT BLN ST25 (2)

<212> DNA
<213> Homo sapiens

<400> 47
gcagggtcagt tgtcgggttga ctttgcagat ggtcactgtg ctctctcaca tttctcaggc 60
ctgccctgga cagctgggct gactgggctc tggtttactt cgtctctcat catctagcag 120
gccagcctgg gtttgtcac atgactggac aggttttgaa gaaaagttca caaaggctcc 180
ttgaggctta gactcaagaa ttgacattga cacttttgcc actgcctatt ggctaaagcg 240
agtcttaagg ccaaggagta ggggaataga cttcacctcc tgctgggagg aactgcaaag 300
tcataattgca aagaggcata cttacagagg ggaataatgg tggtcctttt tataaataac 360
tgttatttat tggcttgaca taagtgtaac tggtaaccac ttcattgcttt tccaagatgg 420
tcctaactac tgccccctcc tattcaattc agattgtcct ggagaaactt aaccagggtg 480
aggctgacac ccaatcccca c 501

<210> 48
<211> 512
<212> DNA
<213> Homo sapiens

<400> 48
gcagggtcagt tgtcgggttga ctttgcagat ggtcactgtg ctctctcaca tttctcaggc 60
ctgccctgga cagctgggct gactgggctc tggtttactt cgtctctcat catctagcag 120
gccagcctgg gtttgtcac atgactggac aggttttgaa gaaaagttca caaaggctcc 180
ttgaggctta gactcaagaa ttgacattga cacttttgcc actgcctatt ggctaaagcg 240
agtcttaagg ccaacctgga ttcaaggagt aggggaatag acttcacctc ctgctgggag 300
gaactgcaaa gtcataattgc aaagaggcat acttacagag ggaataatg gtggctcttt 360
ttataaataa ctgttattta ttggcttgac ataagtgtaa ctggtaacca cttcatgctt 420
ttccaagatg gtcctaacta ctgccccctc ctattcaatt cagattgtcc tggagaaact 480
taaccagggtg gaggtgaca cccaatcccc ac 512

<210> 49
<211> 546
<212> DNA
<213> Homo sapiens

<400> 49
gatagcacac agtcccaact ggatgggaag gccagaaaac tggtagagcc aggcttagat 60
tgactccaa atatcaatat atgaatctgg tacatttttg ttactggctt aagaatgggc 120
ttttgtgaag gtattgatat gaacctttat agtaggaata tataaatgta tttaaaatat 180
tggtcagggtg ggtaggggtg tatgtgtatc tttcaaaga gatcaaagtc aacattagaa 240
gtgaactatc tggcagtaag ctaaattctg ttggaacatc catggaaatt gccagtggca 300
gtaagctaaa ttctgttgga acatccatgg aaattgccag tagacgatcc aacaccctag 360
caaactctctt tatagctcct ttaactcagg aaacacacct tattgtcatg cattatggag 420

P1055 PCT BLN ST25 (2)

atcttggggc tacaaatgaa caagatgaaa atctgcgctt gcaaagagcc catactttgc 480
cacagagggtg gtgctatccc ttaggagaag ttctaggaat ctgtgggggc atttctctgg 540
tcataa 546

<210> 50
<211> 591
<212> DNA
<213> Homo sapiens

<400> 50
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tgcactccaa atatcaatat atgaatctgg tacatttttg ttactggctt aagaatgggc 120
ttttgtgaag gtattgatat gaacctttat agtaggaata tataaatgta tttaaaatat 180
tggtcagggtg ggtaggggtgt tatgtgtatc ttttcaaaga gatcaaagtc aacattagaa 240
gtgaactatc tggcagtaag ctaaattctg ttggaacatc catggaaatt gccagtggca 300
gtaagctaaa ttctgttggg acatccatgg aaattgccag tggcagtaag ctaaattctg 360
ttggaacatc catggaaatt gccagtagac gatccaacac cctagcaaatt ctctttatag 420
ctcctttaac tcaggaaaca caccttattg tcatgcatta tggagatctt ggggctacaa 480
atgaacaaga tgaaaatctg cgcttgcaaa gagccatac tttgccacag aggtgggtgct 540
atcccttagg agaagttcta ggaatctgtg ggggcatttc tctggtcata a 591

<210> 51
<211> 501
<212> DNA
<213> Homo sapiens

<400> 51
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taatgccagc tactcgggag gctgaggcag gagaatcact taaacctggg aggcggaggt 180
tgcggtgaac caagatagca ccattgcact ccagcctggg caacaagagt gaaactccgt 240
ctcaaaaaga gttcacagtt tctcttttgc tttgattttc ttatctgccg gataacaata 300
gtatttttggg aggcaggagg aattgtggaa agaaatgggt tttggggagt ggctgattgg 360
aggcaaatcc aaggacactc attgctggtg tgtgactcca ggcagttact cagcttttcc 420
aagcctcagt ttccttattg taaaacagga ccatgggtcta gctagtagca ttcctatggt 480
gagtgaata atatgtataa a 501

<210> 52
<211> 515
<212> DNA
<213> Homo sapiens

<400> 52
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tggagaaacc ctgtctctac taaaaatata aaattagctg ggcgtgggtg tgcatgcctg 120

P1055 PCT BLN ST25 (2)

taatgccagc tactcgggag gctgaggcag gagaatcact taaacctggg aggcggaggt	180
tgcggtgaac caagatagca ccattgcact ccagcctggg caacaagagt gaaactccgt	240
ctcaaaaaga gagagaaaagc tgaagttcac agtttctctt ttgctttgat tttcttatct	300
gccggataac aatagtatatt tggaaggcag gaggaattgt ggaaagaaat gggttttggg	360
gagtggctga ttggaggcaa atccaaggac actcattgct ggtgtgtgac tccaggcagt	420
tactcagctt ttccaagcct cagtttcctt attgtaaaac aggaccatgg tctagctagt	480
agcattccta tgggtgagtga aataatatgt ataaa	515

<210> 53
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 53	
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tttaggattg agatggggaa actgagggtca caggcctgcg ggctcccagt cacaggttgc	180
agagccaagt gagcaccag gtcacatccc atcagcttct acaataggaa atgccaccca	240
gccccggggc gggacagggtg gccactagga gaggggacagg ggtactagac gagaaccggg	300
ctccagagct ggggccatcg gcggtgctgg tgtggttact aatgagaagg taaacacggg	360
ggccacgggt ttcctgggtg aacacttgcc ccaccgctg tgaaacccta tgaaaagcaa	420
tttacttgag actgaagtta tttcagctgc aactggaaaa agagagtagg agttgctggg	480
gggaagtttg cttctaggac ctca	504

<210> 54
 <211> 526
 <212> DNA
 <213> Homo sapiens

<400> 54	
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tttaggattg agatggggaa actgagggtca caggcctgcg ggctcccagt cacaggttgc	180
agagccaagt gagcaccag gtcacatccc atcagcttct acaataggaa atgccaccca	240
gccccggggc gggacagggtg gccactagga gagggacagg tggccactag gagaggggca	300
ggggtactag acgagaaccc ggctccagag ctggggccat cggcggtgct ggtgtggtta	360
ctaatgagaa ggtaaacacg ggggccacgg gtttcctggg tgaacacttg cccacccgc	420
tgtgaaaccc tatgaaaagc aatttacttg agactgaagt tatttcagct gcaactggaa	480
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<210> 55
 <211> 501

P1055 PCT BLN ST25 (2)

<212> DNA
<213> Homo sapiens

<400> 55
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attaaaggta tagtgacatt gtgtatgggt tctcttcatt tccggaaaat gccaaatttt 180
atgctacttg tctttttaaa agtcttaatc ttctctcatt atggttacca ccaagagtta 240
cattacatgt gcaattttga aactaattat aagagttgaa aatcaagtat aacaaatcaa 300
aacattagct ctgctagcgt ttcctttcgc aacaccacag aagacacata ttcccctagt 360
gtccaatttc ctaatatata tgactgaagc aatagcaccc ttgccaaaac actcagtact 420
caggtgatag acactacgag tactgcttga tttgtgaagc tctctcttaa attcttaagg 480
atgtgctctg taaaagatc t 501

<210> 56
<211> 509
<212> DNA
<213> Homo sapiens

<400> 56
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attaaaggta tagtgacatt gtgtatgggt tctcttcatt tccggaaaat gccaaatttt 180
atgctacttg tctttttaaa agtcttaatc ttctctcatt atggttacca ccaagagtta 240
cattacatgt gattaaatac aattttgaaa ctaattataa gagttgaaaa tcaagtataa 300
caaatcaaaa cattagctct gctagcgttt cctttcgc aa caccacagaa gacacatatt 360
cccctagtgt ccaatttcct aatatatatg actgaagcaa tagcaccctt gccaaaacac 420
tcagtactca ggtgatagac actacgagta ctgcttgatt tgtgaagctc tctcttaaat 480
tcttaaggat gtgctctgta aaaagatct 509

<210> 57
<211> 516
<212> DNA
<213> Homo sapiens

<400> 57
ctcctcaagt tctagccgca ttgcaggag gagtgggaga ggggcctgaa gaagactcca 60
gtggaacagc cacactctct ccccttctg ctggatgggc caactggcca cctgcctgaa 120
aatgagagcc tagagatcac ctacagccaa tccaggaaga ataacataga accccgggccc 180
agggaagcgg tctggaagtc aggggtgctgg cccccacccc ctagctcctt cctgaggggc 240
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atagaccttt tgaggaagaa attggagaag ggggacccag ctctgaaagc ctctctctct 360
ccactgggct gcattgcttg gcggtagctg tgactctgga cttaaggag gtcagagggg 420

P1055 PCT BLN ST25 (2)

ggaagggcaa gaatttggag ctgggtagag ggaaagctca tgacctgttc acaggctcta 480
ggacttaca ctctgcttct atgtgtactc tggaca 516

<210> 58
<211> 531
<212> DNA
<213> Homo sapiens

<400> 58
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aatgagagcc tagagatcac ctacagccaa tccaggaaga ataacataga accccggggc 180
aggggaagcgg tctggaagtc aggggtgctgg ccccccaccc ctagctcctt cctgaggggc 240
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aaagagtgtg ggaaaataga ccttttgagg aagaaattgg agaaggggga cccagctctg 360
aaagcctctc tctctccact gggctgcatt gcttggcggg agctgtgact ctggacttaa 420
gggaggtcag agggaggaag ggcaagaatt tggagctggg tagagggaaa gctcatgacc 480
tgttcacagg ctctaggact tacaactctg cttctatgtg tactctggac a 531

<210> 59
<211> 521
<212> DNA
<213> Homo sapiens

<400> 59
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acgatcattt gcttttcaga gacatagacc ctgatttgct tcctgataga taatgagtac 120
attaacttct ggcttagtaa gtgtcactta gttaaccaca ttactgcact gattcactaa 180
atgaacttcc attacctgac ttacttgccc aaaagaaaac atatcattca taaatctaata 240
aacaatttta aatccccattt ttgttttagga tctaaagggg accttttagat tgttgctgaa 300
ttaccaagga atatcttgca tggtgagaaa aatcaaactc tagccctcaa ccctaaatct 360
cctagacttg aggagtttgt tccttggtt tgtccccagg tcatagtccc tcaataaaca 420
cttggtgagt ttgggggtata accataaaact atcaatgaat taagcaactg agctaggagc 480
cttgagcatt tctataagga acaacttata gggcctggta a 521

<210> 60
<211> 539
<212> DNA
<213> Homo sapiens

<400> 60
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acgatcattt gcttttcaga gacatagacc ctgatttgct tcctgataga taatgagtac 120
attaacttct ggcttagtaa gtgtcactta gttaaccaca ttactgcact gattcactaa 180
atgaacttcc attacctgac ttacttgccc aaaagaaaac atatcattca taaatctaata 240

P1055 PCT BLN ST25 (2)

aacaattttta aatccccat	ttgttttagga tcccattttt	gtttaggatc taaagggtag	300
cttttagattg ttgctgaatt	accaaggaat atcttgc	atg gtgagaaaaa tcaaactcta	360
gccctcaacc ctaa	atctcc tagacttgag	gagtttggtc cttggctttg	420
tccccaggtc atagtccctc	aataaacact tgttgagttt	ggggtataac cataaactat	480
caatgaatta agcaactgag	ctaggagcct tgagcatttc	tataaggaac aacttatagg	539
gcctggtaa			

<210> 61
 <211> 501
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (272)..(272)
 <223> n is a, c, g, or t

<400> 61	tttttaaagt agcttcagtc	tcctttaatg tgaacaattg	catactgact taatctcttc	60
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	ccctgtaaaa gctaccacct	catcctgggc accctgggta	tatcaacttc agctatgagg	180
	taatttttct ctttactaat	tttgaccatt gtttgcgta	acaatgccct gggctctgta	240
	aagaatagtg tggtgattct	ttatcccaga tngtttctca	agtggtcctg attttacagt	300
	tcctaccacc agcttcccag	tttaagctct gatgggtggc	ctcaagcctg tgtcgtccca	360
	gcagcctccc gcctggccac	tctgactcag tctgtcctcc	taaatatggc cgtaagctta	420
	cccatcatga accactactc	agggagggtc catgataggg	caaaaagtaa actctgacca	480
	gcttggttct aaccagcta	g		501

<210> 62
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 62	tttttaaagt agcttcagtc	tcctttaatg tgaacaattg	catactgact taatctcttc	60
	ctctctcttc tcttccttca	ctctctccct tcctctctct	ttctattctc ctccccctct	120
	ccctgtaaaa gctaccacct	catcctgggc accctgggta	tatcaacttc agctatgagg	180
	taatttttct ctttactaat	tttgaccatt gtttgcgta	acaatgccct gggctctgta	240
	aagaatagtg tggtgattct	ttatcccaga taaagtgggt	tctcaagtgg tcctgatttt	300
	acagttccta ccaccagctt	cccagtttaa gctctgatgg	ttggcctcaa gcctgtgtcg	360
	tcccagcagc ctcccgctg	gccactctga ctcagctctgt	cctcctaaat atggccgtaa	420
	gcttaccat catgaaccac	tactcagggg ggctccatga	tagggcaaaa agtaaactct	480
	gaccagcttg gttctaacc	agctag		506

P1055 PCT BLN ST25 (2)

<210> 63
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 63
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 acattctcag gctatcaatg ttgacaggac tgcattagtg agtctatatt tcctactgca 180
 tcagtgaagt tctatattgg atgaaagtaa attaaatcaa atgggttcta atatcttttt 240
 ctcttaaggt gcttaccctt ttgaagtgg accagagcat aaggccaccg gtatgtagac 300
 attttgttcc ttattccctg aaaatattag gcatgcatta aaattcccat attaagtga 360
 atatcatgtc tactccacat gcagacatta atgggaaatt tagtttgtaa aaaatcatat 420
 ctgtgtacac agttacaaat ttttgcaaag gaaaaatgaa taaaatattc ctatagccat 480
 aatggcaaag aaaacactgc 500

<210> 64
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 64
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 acattctcag gctatcaatg ttgacaggac tgcattagtg agtctatatt tcctactgca 180
 tcagtgaagt tctatattgg atgaaagtaa attaaatcaa atgggttcta atatcttttt 240
 ctcttaaggt gcttaccctt ttgaagtgg accagagcat gataaggcca ccggtatgta 300
 gacattttgt tccttattcc ctgaaaatat taggcatgca ttaaaattcc catattaagt 360
 gaaatatcat gtctactcca catgcagaca ttaatgggaa atttagtttg taaaaaatca 420
 tatctgtgta cacagttaca aatttttgca aaggaaaaat gaataaaata ttcctatagc 480
 cataatggca aagaaaacac tgc 503

<210> 65
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 65
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 acgcagacaa taataagtga agaaataatt acagcaagta attacaaata atgatcaaag 180
 taatgcaaga aagcaagatg acatgtctga ctttgttgct agtttgtcat ttgaatatat 240
 aatgggacaa agggcttcta taattaattc tcctataata tatataggag aattatatat 300
 gatacataat tcagggctcc tatagtgtaa tcaattctca atattataaa atgaggattt 360

P1055 PCT BLN ST25 (2)

cctgattcaa cttgcaaaaa catgtgaaa taatgagaaa tactgttttc tcttgctgtt	420
cacattcagt ttcctggaaa gccacttttg agagttgtgt ttgctttcaa gaggcctggc	480
ttagagatcc agagggattc c	501

<210> 66
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 66	
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acgcagacaa taataagtga agaaataatt acagcaagta attacaaata atgatcaaag	180
taatgcaaga aagcaagatg acatgtctga ctttggtgct agtttgatc ttgaatatat	240
aatgggacaa ctttcagggc ttctataatt aattctccta taatatatat aggagaatta	300
tatatgatac ataattcagg gctcctatag tgtaatcaat tctcaatatt ataaaatgag	360
gatttcctga ttcaacttgc aaaaacatgt gaaagtaat agaaatactg ttttctcttg	420
ctgttcacat tcagtttcct ggaaagccac ttttgagagt tgtgtttgct ttcaagaggc	480
ctggcttaga gatccagagg gattcc	506

<210> 67
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 67	
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acagatatcg tgccaatact ggtttttaat ttaggtccat tgttgtaga caactttatg	120
tgacttgaat ccctttaaat ttattgggac ttgtattatg gcactgaatg taaccgttgt	180
tcaatgtttt gtatgcactt gaaagaatta ttcatttgc atttttgggt gttattagat	240
gtttgggtat ttttaggaat taattagatc aggttggtg gtggtgttaa gttttctata	300
ttcttgctta ttttctgtct acttctttta aaagtgactg ataatgtatt aaaatcaaga	360
actgtaattc tatatttgtc ttacttctcc ttgaagtaat atcagacatt acttcatgta	420
ttttgagtct ttgttaatta ggtgtaaaac attagcttt gacatgctct cttgatgagc	480
tgacctcttt ttcactatga aatga	505

<210> 68
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 68	
agtcctcacc cttgaattaa ttagtagttt gtaattttgt tttcaatttt gtttgatatt	60
acagatatcg tgccaatact ggtttttaat ttaggtccat tgttgtaga caactttatg	120
tgacttgaat ccctttaaat ttattgggac ttgtattatg gcactgaatg taaccgttgt	180

P1055 PCT BLN ST25 (2)

tcaatgtttt gtatgcactt gaaagaatta ttcatttgct atttttgggt gttattagat	240
gtttgggtat taatttttag gaattaatta gatcagggtg gttggtggtg ttaagttttc	300
tatattcttg cttattttct gtctacttct tttaaaagtg actgataatg tattaaaatc	360
aagaactgta attctatatt tgtcttactt ctccttgaag taatatcaga cattacttca	420
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<210> 69
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 69	
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ttgcttggtt ttcattctgt tttcagtttt gagaaagttc acataatatt aaatcatcac	180
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tatctctgtc cagttaaacc taaacctaat tgtgatgaat tttgcctgta attcacacat	300
tccccacatg aaatccccct gtgatgaagg ataggatatg atcaatatcc atatatcata	360
catatcaaga tcaaaccctt gttcatcaca tttcagaatt ttaaagtggc acctctcatt	420
atttgaatga attcaataat atttctatat tcatatagag atagatttca aaagtagata	480
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<210> 70
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 70	
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ttgcttggtt ttcattctgt tttcagtttt gagaaagttc acataatatt aaatcatcac	180
taatttaggc acaaacctga tcttctttta tgttccatth taatcctaatt attatgctag	240
tatctctgtc cagtcagtta aacctaaacc taattgtgat gaattttgcc tgtaattcac	300
acattcccca catgaaatcc cttgtgatg aaggatagga tatgatcaat atccatatat	360
catacatatc aagatcaaac ccatgttcat cacatttcag aatttttaaag tggcacctct	420
cattatttga atgaattcaa taatatttct atattcatat agagatagat ttcaaaagta	480
gataggaaac acacgtgggc cacct	505

<210> 71
 <211> 501
 <212> DNA
 <213> Homo sapiens

P1055 PCT BLN ST25 (2)

<400> 71
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tccttatttt atgcctttct actcgtagcc tcattgcttc ctctgattc ggatagtact 180
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gtcactctag agcagggttg aatagaaaat actgataatt ggatataaaa ataaagaatg 360
gtctcattac atttttaaca gtggtattta ggattgactc aaagaagaaa gcttcctcta 420
ctttaagttc cttgccttgg atatctcaaa attacaaagg tttcctggca gaagtttgcc 480
acattttgca gggaatttat a 501

<210> 72
<211> 508
<212> DNA
<213> Homo sapiens

<400> 72
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aatgagggtt ctctgtgttt tccacatttc cttgcttccc ggtcaaaggg gggcagccct 120
tccttatttt atgcctttct actcgtagcc tcattgcttc ctctgattc ggatagtact 180
tttcacataa tgcaagaaaa acgaacaaaa agccaaacaa taaacccaaa ctgttgcatt 240
ttggcacaag gaattagtgt aatcataata actagagatt tcttggcttt ggattggaag 300
gaggggaagtc actctagagc aggttggaaat agaaaatact gataattgga tataaaaata 360
aagaatggtc tcattacatt tttaacagtg gtatttagga ttgactcaaa gaagaaagct 420
tcctctactt taagttcctt gccttggata tctcaaaatt acaaagggtt cctggcagaa 480
gtttgccaca ttttgcaggg aatttata 508

<210> 73
<211> 505
<212> DNA
<213> Homo sapiens

<400> 73
tttctgtaga gatgcagttt ttgcgtgttg tccaggctga tctcagattc ctagactcaa 60
accttcttcc tgtgatggcc tcccaaagtg ctgggattac aggtgtgagc catcacacac 120
agcccattga ttttagataa aaccaatacg acattttatt ccaaaagccc attcctaagc 180
ttcccaattt ccattagtat aaaacttgcc ttctatagag agcatggcct cttgttcttt 240
atcttgagta ttatttctat atcaaagaaa aaatgagatg gagaaagtct agtatcataa 300
gaactactaa ttattatat tgaggcctat actggaccta tttaggggat aatattaagt 360
aatttaaata atattctgta tagtttccac taccttgtca tatttttagt tcttatttct 420
ctgtttgttt ttccagactc tgacaataaa ggtgtgaatt ctggaagatt ggtagcttgc 480

P1055 PCT BLN ST25 (2)

ataaccactt tgttcttatt cagca 505

<210> 74
<211> 509
<212> DNA
<213> Homo sapiens

<400> 74
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accttcttcc tgtgatggcc tcccaaagtg ctgggattac aggtgtgagc catcacacac 120
agcccattga ttttagataa aaccaatacg acattttattc ccaaaagccc attcctaagc 180
ttcccaattt ccattagtat aaaacttgcc ttctatagag agcatggcct cttgttcttt 240
atcttgagta tatgatattt ctatatcaaa gaaaaaatga gatggagaaa gtctagtatc 300
ataagaacta ctaattcatt atattgaggc ctatactgga cctatttagg ggataatatt 360
aagtaattta aataatattc tgtatagttt ccactacctt gtcataattt agtgtcttat 420
ttctctgttt gtttttccag actctgacaa taaaggtgtg aattctggaa gattggtagc 480
ttgcataacc actttgttct tattcagca 509

<210> 75
<211> 510
<212> DNA
<213> Homo sapiens

<400> 75
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actgtgattt aagattttgg ttattcagtc taaactattt aaaattttga ctagcagttt 120
caggggcccag tgttactact aaatttgggt aactcacttt taccagagta ccaaaaaaga 180
aaatagctac ttttttacat atgtgtttat agttttgaaa gtgaattgat cactttgttt 240
cttgctctga atcttaattt tttttcctaa aggaaaaaga taatttactt tttatagagc 300
aaaattcata agattcttag aaactcctga gaatctgagc taatggcatg ttctagggtta 360
gttgatatat aaactaaatc atacaggaaa ttgtaaaata gatactttgg ttgcatgtaa 420
tttcctagct cttccttacc tgcatactcc ccctccaatg tagttcacca agatatatac 480
tctttcaa attttcataa aaagatttta 510

<210> 76
<211> 515
<212> DNA
<213> Homo sapiens

<400> 76
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actgtgattt aagattttgg ttattcagtc taaactattt aaaattttga ctagcagttt 120
caggggcccag tgttactact aaatttgggt aactcacttt taccagagta ccaaaaaaga 180
aaatagctac ttttttacat atgtgtttat agttttgaaa gtgaattgat cactttgttt 240
cttgctctga atcttttga aatttttttt cctaaaggaa aaagataatt tactttttat 300

P1055 PCT BLN ST25 (2)

agagcaaaat tcataagatt cttagaaact cctgagaatc tgagctaattg gcatgttcta	360
ggttagttga tatataaact aaatcataca ggaaattgta aaatagatac tttggttgca	420
tgtaatttcc tagctcttcc ttacctgcat actccccctc caatgtagtt caccaagata	480
tataactcttt caaataattt cataaaaaaga tttta	515

<210> 77
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 77	
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agctggctaa tggaaatttt cctatggagg aggatagagg aatagcagcc tctctcttat	120
aaactgagtc atggcactct tctagcaagt atttttgctg gcctgtttat cttctaaagg	180
gatgtgctga aaaaaaatgg gtcatttagg gattagagta atgtaagtaa tctgatgaaa	240
tttaccactt ctagttattt cttgtttat gaactacaga atccgattac cctgaaattc	300
ttcttatatt ctaaaagctg tctctaattgt tgcacatcag cttccagggc cagcttctag	360
gtagctgat gcagtcacca gagctagata ccaggaatta attagcaagc ttcatttcaa	420
gctctgcctc tactgtttta agtaatctct gtggcttctg gcaagaccac agatctctct	480
gagactcagt ttttttaatc tgta	505

<210> 78
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 78	
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agctggctaa tggaaatttt cctatggagg aggatagagg aatagcagcc tctctcttat	120
aaactgagtc atggcactct tctagcaagt atttttgctg gcctgtttat cttctaaagg	180
gatgtgctga aaaaaaatgg gtcatttagg gattagagta atgtaagtaa tctgatgaaa	240
tttaccactt ctagttagtt atttccttgt ttatgaacta cagaatccga ttaccctgaa	300
attcttctta tattctaaaa gctgtctcta atgttgaca tcagcttcca gggccagctt	360
ctaggtagc tgatgcagtc accagagcta gataccagga attaattagc aagcttcatt	420
tcaagctctg cctctactgt ttaaagtaat ctctgtggct tctggcaaga ccacagatct	480
ctctgagact cagttttttt aatctgtta	509

<210> 79
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 79	
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P1055 PCT BLN ST25 (2)

aggctggtct tgaacgcctg acctcagatg atccacctgc ctcggcctcc caaagtgctg	120
ggattacagg cgtgagccac cacgtctggc tgaaacctgt cactcttaca catcagagaa	180
atcctaaacc ccatgtgaat agtgtggttg gccataatth atatggctta tatcaaagt	240
ccttatgaat ttacataaaa ttatttcttt catttttata gtctgttcgg cacttgaagt	300
actccttggt taagaaatca ctactgggca gtgtttcggg taatggaata gtaactctct	360
gggatgtaaa tagtcagagt ccataccata actttgacag tgtacacaaa gctccagcgt	420
caggcatctg tttttctcct gtcaatgaat tgctctttgt aaccataggc ttggataaaa	480
gaatcatcct ctatgacact tc	502

<210> 80
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 80	
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aggctggtct tgaacgcctg acctcagatg atccacctgc ctcggcctcc caaagtgctg	120
ggattacagg cgtgagccac cacgtctggc tgaaacctgt cactcttaca catcagagaa	180
atcctaaacc ccatgtgaat agtgtggttg gccataatth atatggctta tatcaaagt	240
ccttatgaat gcttataaatt acataaaaatt tattctttca tttttatagt ctgttcggca	300
cttgaagtac tccttgthta agaaatcact actgggcagt gtttcggata atggaatagt	360
aactctctgg gatgtaata gtcagagtcc ataccataac tttgacagtg tacacaaagc	420
tccagcgtca ggcacatggt tttctcctgt caatgaattg ctctttgtaa ccataggctt	480
ggataaaaaga atcatcctct atgacacttc	510

<210> 81
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 81	
agcagctaaa gtatttaaga cgttagttaa tctagagagc tacagatggg ggaaagggcc	60
tttgccctttc tgggcccgtt tcttcttggt ctctcggata cttctagttg aagattctgc	120
tgctgtgagt ccgagtttct gtgcatccag aaggcagagg ggggtgggtgc gtatgcacag	180
atcatggact catcaagtct ttccaccaag catcttcgtg aggaggatat ccttaagctc	240
cagggagggg agggtagctg aaggctgagc cgtttaaggc cagctgcttc tgctgagtgt	300
ggagcaaggc tgtctctcag tctgttttag ctctgaaagg ggaccagct gtgctgtggc	360
aggttcaggt caaacacatt cttttcatct cagcaccctt gcagaggtag ggcacaaggg	420
gagtcaaaac ctctgcaatt tgttcaagtc aagcaacaat tcacgttggg caattgtggg	480
ataaatgaat tcatatcatt t	501

<210> 82

P1055 PCT BLN ST25 (2)

<211> 503
<212> DNA
<213> Homo sapiens

<400> 82
agcagctaaa gtattttaaga cgttagttaa tctagagagc tacagatggg ggaaagggcc 60
tttgcctttc tgggcccgtt tcttcttggt ctctcggata cttctagttg aagattctgc 120
tgctgtgagt ccgagtttct gtgcatccag aaggcagagg ggggtgggtgc gtatgcacag 180
atcatggact catcaagtct ttccaccaag catcttcgtg aggaggatat ccttaagctc 240
cagggagggg aggggggtacc tgaaggctga gccgtttaag gccagctgct tctgctgagt 300
gtggagcaag gctgtctctc agtctgttta gcctctgaaa ggggacccag ctgtgctgtg 360
gcaggttcag gtcaaacaca ttcttttcat ctgagcacc ctgcagaggt agggcacaag 420
gggagtcaaa acctctgcaa ttgtttcaag tcaagcaaca attcacgttg ggcaattgtg 480
ggataaatga attcatatca ttt 503

<210> 83
<211> 501
<212> DNA
<213> Homo sapiens

<400> 83
atataattat tgttgctatt ttaattttca atgaaaacaa taatacatgt taatagtggc 60
atatctggaa aatacaaaag tataaagaaa gatctatttc ttatacaga tattttatgt 120
atacataatt tccctactag gctcatatta tacagcagtt gtatatcctg ttctttttga 180
atttcaattt tatctccaat ttcgtaatac tacaataaac acaatcaaat gttctcactt 240
ctaaattttg tttttttatt actacataat ccttgggaca tatttcaaaa agtgttcata 300
tttagtcaaa gggcattgac aactttttta actcttgctg agtgtttcaa aattgcttgc 360
tgcaaagttt gcatcatcaa cattttcttc tggtagtgat ttgtaaatgc tggtttcac 420
catgtctgac tgggctcctc ctctgctttc tgctcccaa actcctgcat atatgtatga 480
gacttatctt ttgccacttt c 501

<210> 84
<211> 503
<212> DNA
<213> Homo sapiens

<400> 84
atataattat tgttgctatt ttaattttca atgaaaacaa taatacatgt taatagtggc 60
atatctggaa aatacaaaag tataaagaaa gatctatttc ttatacaga tattttatgt 120
atacataatt tccctactag gctcatatta tacagcagtt gtatatcctg ttctttttga 180
atttcaattt tatctccaat ttcgtaatac tacaataaac acaatcaaat gttctcactt 240
ctaaattttg ttctttttta ttactacata atccttggga catatttcaa aaagtgttca 300
tatttagtca aagggcattg acaacttttt aaactcttgc tgagtgtttc aaaattgctt 360
gctgcaaagt ttgcatcatc aacattttct tctggtagtg atttgtaaat gctggtttca 420

P1055 PCT BLN ST25 (2)

tccatgtctg actgggctcc tcctctgctt tctgctcccc aaactcctgc atatatgtat 480
gagacttatc ttttgccact ttc 503

<210> 85
<211> 501
<212> DNA
<213> Homo sapiens

<400> 85
tctagctata agaaggaagt gatcaacagg ctctgaatta acttttccca ttcctgggag 60
aatatccacg gtcttgcttc gtgtggcatt aatcggcaaa tatttatcat tgcctatggt 120
tgccaagcag ttttctagaa actgatccct tgaaaacata tctcttgagg aatatatcat 180
tctttaaaaa agtggctaag ttactatgtc tgtgaactca gtccagaaag gcccttacia 240
gagaaaagag agttgtgagc tgacagactt aatgaaatgt gcttaacgta taagtaaatt 300
tgtctctggt tttactcata aaattatcta taaatttcct tatatgttcc tttttacatt 360
ttatgatttt gtgttggttt ttaaaatata tattatttaa ttagaattat tttagtatgg 420
aattccagggt ataaatataa gattattttc gcaatactta accaattatt cctgtgccag 480
ctatcaaata acccacactt t 501

<210> 86
<211> 504
<212> DNA
<213> Homo sapiens

<400> 86
tctagctata agaaggaagt gatcaacagg ctctgaatta acttttccca ttcctgggag 60
aatatccacg gtcttgcttc gtgtggcatt aatcggcaaa tatttatcat tgcctatggt 120
tgccaagcag ttttctagaa actgatccct tgaaaacata tctcttgagg aatatatcat 180
tctttaaaaa agtggctaag ttactatgtc tgtgaactca gtccagaaag gcccttacia 240
gagaaaagag agttgttggt agctgacaga cttaatgaaa tgtgcttaac gtataagtaa 300
atttgtctct gtttttactc ataaaattat ctataaattt ccttatatgt tcctttttac 360
attttatgat tttgtgttgg tttttaaaat atatattatt taattagaat tattttagta 420
tggaattcca ggtataaata taagattatt ttcgcaatac ttaaccaatt attcctgtgc 480
cagctatcaa ataaccaca cttt 504

<210> 87
<211> 501
<212> DNA
<213> Homo sapiens

<400> 87
cagcgatcgc agtagctttg ttctcataga atccccggtg cctagcacag gccttggtccc 60
atagtagctg cacagataaa tatttgttgc ttgaatgtct gtaggattct caatctagtc 120
aacttgata ggctgttgtc ttagacctgg aaccagacca aagcaagctg gcccaacctt 180

P1055 PCT BLN ST25 (2)

ggttgtgtcc taatttggcc atctgactat gaatatgcta acaaatgaca ggcttagcct	240
ccagcatttc cattccttcc ctggagcaag ctccccacc agcaatcttc ccagccctaa	300
ggcagggtctg tgttgatggg gctagaggcc agaggactgg ttgatctgat cactcaattc	360
cttctgccta acttcagaag cttcttccaa aataagagac cttttttttt ggattttttt	420
ttttttaaga tggagtctta ttctgtcgcc caggctggag tatagtggca cgatctccgc	480
tcactgcaac ttttgcctcc t	501

<210> 88
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 88	
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atagtagctg cacagataaa tatttgttgc ttgaatgtct gtaggattct caatctagtc	120
aacttgtata ggctgttgtc ttagacctgg aaccagacca aagcaagctg gcccaacctt	180
ggttgtgtcc taatttggcc atctgactat gaatatgcta acaaatgaca ggcttagcct	240
ccagcatttc ttccattcct tccctggagc aagctcccc accagcaatc ttcccagccc	300
taaggcaggc ctgtgttgat ggggctagag gccagaggac tggttgatct gatcactcaa	360
ttccttctgc ctaacttcag aagcttcttc caaaataaga gacctttttt tttggatttt	420
ttttttttta agatggagtc ttattctgtc gcccaggctg gagtatagtg gcacgatctc	480
cgctcactgc aacttttgcc tcct	504

<210> 89
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 89	
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gaggggcatt attctactga aattatagca ttagatttgt agaatagactt ctattcagcc	120
aacaagttgg tactccatat ttaatgatca taaatctttg tgtaagctct gcaatttgtg	180
aaatttcatt agctcattat cctttgtgct tgttgccaaa tactgtcaat gctactttaa	240
aaacttctcc attccagaac ttacagccct ggtagttctg gcttgggtatt cctgcagcaa	300
atccatgctc ctaattccat gattcacctc tcaaaccctg ccaccttcac caattctatc	360
cttaacagta aacactagat atcttatact cattccattc tgctggaact ccacttctta	420
gaggctatca tgactggtga cttgaagtcc tgtttgtggc cccttaatta cactgatttc	480
ctaggatggc cacctcttga t	501

<210> 90
 <211> 504
 <212> DNA
 <213> Homo sapiens

P1055 PCT BLN ST25 (2)

<400> 90
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gaggggcatt atttactga aattatagca ttagatttgt agaatgactt ctattcagcc 120
aacaagttgg tactccatat ttaatgatca taaatctttg tgtaagctct gcaatttgtg 180
aaatttcatt agctcattat cctttgtgct tgttgccaaa tactgtcaat gctactttaa 240
aaacttctcc ttcattccag aacttacagc cctggtagtt ctggcttggg attcctgcag 300
caaatccatg ctctaattc catgattcac cttcaaacc ctgccacctt catcaattct 360
atccttaaca gtaaacta gatatttat actcattcca ttctgctgga actccacttc 420
ttagaggcta tcatgactgg tgacttgaag tcctgtttgt ggccccttaa ttacactgat 480
ttcctaggat ggccacctct tgat 504

<210> 91
<211> 501
<212> DNA
<213> Homo sapiens

<400> 91
gaatagtgcc acaataaaca tacgtgtgca tgcatgtgtc tttatagcag catgatttag 60
aatccaaaca ttcttataga caagggctcc ttctcctgac gtttctgac tcattctaaa 120
acattcacc agtccactga cctgtactgg gcgctgtgct gggtgccagg cactgctttt 180
ccatattctt ttctaaactg ctaaaatggg tgattattcc tccaggctct ttgctgacac 240
tggggggaaa ttcttggttt tcacaccct ctaggacgt gtcttccact ctggctttac 300
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tgaacaaaat agataagatt tctgcttttg taaagtttac attcttctag ggatcgtgtg 420
tccttgattt ggaatgcctg cttagggggg tcatgagggt ataaccctgg tttcctagtt 480
tccagggaat ggggttgggtc a 501

<210> 92
<211> 504
<212> DNA
<213> Homo sapiens

<400> 92
gaatagtgcc acaataaaca tacgtgtgca tgcatgtgtc tttatagcag catgatttag 60
aatccaaaca ttcttataga caagggctcc ttctcctgac gtttctgac tcattctaaa 120
acattcacc agtccactga cctgtactgg gcgctgtgct gggtgccagg cactgctttt 180
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tggggggaaa ttcttcttgg ttttcacacc cctcttagga cgtgtcttcc actctggctt 300
tacttgttca tagattcatg aaatcctcaa cagagatcct tgcaagtgtg gaggagatag 360
tggtgaacaa aatagataag atttctgctt ttgtaaagtt tacattcttc tagggatcgt 420
gtgtccttga tttggaatgc ctgcttaggg gggatcatgag ggtataacc tggtttccta 480
gtttccaggg aatgggttgg gtca 504

P1055 PCT BLN ST25 (2)

<210> 93
<211> 501
<212> DNA
<213> Homo sapiens

<400> 93
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gatgaaaaag gcactgtttc tagaacaaat ggaaaaagaa taaatatgtc atcatttacc 120
ctgcacagct ttgagtaaca ccataggacc ctgtcacacg ttcaggggtca attttaaaag 180
cttgagaaga cacagcaagg tgatgtccta gactagccag gctccgaaag gaagagctgt 240
ctgtccctcc taactgtcct ctctctgtca caggtgtcca tgtcactgtt cctctagcag 300
atgtggaaaag tggctgtctca gtgaggactc agccccacc aacctgactg aggggtcacac 360
gacaccatgg tggaaagtca caaagggtaa cgggccaaga ggggtgagggg ggctccctga 420
ccctgaggac ccctgaggca ctgctgcacc ttccacggat tctgtgtcta gcgttgccct 480
ctttgcagat gcccctcgtg g 501

<210> 94
<211> 505
<212> DNA
<213> Homo sapiens

<400> 94
gaaggtagat ggtcacagtc caaaatgttt tatacagctc tcagcctgga aaatgcaact 60
gatgaaaaag gcactgtttc tagaacaaat ggaaaaagaa taaatatgtc atcatttacc 120
ctgcacagct ttgagtaaca ccataggacc ctgtcacacg ttcaggggtca attttaaaag 180
cttgagaaga cacagcaagg tgatgtccta gactagccag gctccgaaag gaagagctgt 240
ctgtccctcc tctaacttg tcctctctct gtcacaggtg tccatgtcac tgttcctcta 300
gcagatgtgg aaagtggctg ctcatgtagg actcagcccc caccaacctg actgaggggtc 360
acacgacacc atggtggaaa gtcacaaagg gtaacgggcc aagaggggtga ggggggctcc 420
ctgaccctga ggaccctga ggcactgctg caccttcac ggattctgtg tctagcgttg 480
ccctctttgc agatgcccct cgtgg 505

<210> 95
<211> 501
<212> DNA
<213> Homo sapiens

<400> 95
caccatctgg aaacaaacta tcatagttca gcgggcaatt ataaaacaaa cattttagtc 60
tgctggccag agatctttta agttgaatac cgaaaaaaaa aatagtgtc cacttcactt 120
agaagtagtt gcaggctgat gagtttggtt tttgttaaca aagaacaaga gctagacttt 180
gtcaggaggc agccacctaa ataatgtaat aaatactctt tatagcctag aagaatttgt 240
aaacatttta ctaagttgct aatgaagggt ttaaacctac aagaaacttg atgttggtgt 300

P1055 PCT BLN ST25 (2)

agtatgttat gtcttactgt gtaatgtgtc ttaagataaa acagccttta tatataatta	360
ccaaacataa gtgaaattct ttcagatgct taagactttt aaatattaca ttctgggtgtt	420
acataatgtc atatcctcct attctacaaa atgacctctc ctctctgtaa aaggctcattc	480
ttgttattaa ttgatgtggt g	501

<210> 96
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 96	
caccatctgg aaacaaacta tcatagttca gcgggcaatt ataaaacaaa ctttttagtc	60
tgctggccag agatctttta agttgaatac cgaaaaaaaa aatagtgtc cacttcactt	120
agaagtagtt gcaggctgat gagtttggtt ttgtttaaca aagaacaaga gctagacttt	180
gtcaggaggc agccacctaa ataatgtaat aaatactctt tatagcctag aagaatttgt	240
aaacatttta cttattaagt tgctaataa ggttttaaac ttacaagaaa cttgatgttg	300
ttgtagtatg ttatgtctta ctgtgtaatg tgtcttaaga taaaacagcc tttatatata	360
attaccaaac ataagtgaac ttctttcaga tgcttaagac ttttaaatac tacattctgg	420
tgttacataa tgtcatatcc tcctattcta caaaatgacc tctcctctct gtaaaaggtc	480
attcttggtta ttaattgatg tgggtg	505

<210> 97
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 97	
caaagaactg tgttgtgaaa aaagttattc tatccctact cattcatttc ttctgtaa	60
caggatttta ggtatttttt tccttaaagc tagttatatc tacgtagaag atttctgcat	120
acttctcttt ttgttttggt ttgtttttga agaacaaagt atataaatgc cctctagagt	180
catagacaca gattgaaggt ggcaagggtg gcaaaattgg cttttgtcc cattacccca	240
ttttcctttt tctttttttt atcctaagca ggagagaagt gatctgcaag tttctcagga	300
tgcttttggg taagagtttc accataaaaa tgtcttcacc cacactcctc ccagtgtcag	360
tgtgccaggt accctgtcac ctttggttga tgtcctgatg gattaagctc tggacagagc	420
cacacctttg aagaggcttc ttggccagat taacacacca aggaaagtgc ttcagtctag	480
aacatgcccc gtcgctgggg t	501

<210> 98
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 98	
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caggatttta ggtatttttt tccttaaagc tagttatatc tacgtagaag atttctgcat	120

P1055 PCT BLN ST25 (2)

acttctctttt tttgtttgtt ttgtttttga agaacaaagt atataaatgc cctctagagt	180
catagacaca gattgaaggt ggcaaggtga gcaaaattgg cattttgtcc cattacccca	240
ttttcctttt cttttctttt ttttatccta agcaggagag aagtgatctg caagtttctc	300
aggatgcttt tgggtaagag tttcaccata aaaatgtctt caccacact cctcccagt	360
tcagtgtgcc aggtaccctg tcacctttgg ttgatgtcct gatggattaa gctctggaca	420
gagccacacc tttgaagagg cttcttggcc agattaacac accaaggaaa gtgcttcagt	480
ctagaacatg ccccgtcgct ggggt	505

<210> 99
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 99 ggccctccctg ggggtctggc cagaaccagc aatgtgagcc ccaagcacag gcaggggtccc	60
tcttgagggtg aaggatttac aactggatta tgaatcttaa ggtgttgctt agaaagtgt	120
gcattatatt atttgtgaac ttaatcataa aaatgtatgt ggaaaaaat gtatgtgggg	180
tgttttgcat cattaaaggg tttgcgttgg gagcgtattt atcaaggggtc ccctggcagt	240
gggccacatc tttccaggga agtgcaaagc cctacaagt cctccaagct gctgaggagc	300
cgtgctcctc gttcaaaggc acacctactc ccaggctctgc cagtagtccc agcctggcat	360
ccttatgggt cttccctcctt ccctgacatg aaaccagctc cttgtcactc ggagtttggg	420
ggcctgctgc ataatcctca tctccagcca tgtctcctga ccctgtgaca ctcttggttc	480
caccacaat tccttagggc c	501

<210> 100
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 100 ggccctccctg ggggtctggc cagaaccagc aatgtgagcc ccaagcacag gcaggggtccc	60
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gcattatatt atttgtgaac ttaatcataa aaatgtatgt ggaaaaaat gtatgtgggg	180
tgttttgcat cattaaaggg tttgcgttgg gagcgtattt atcaaggggtc ccctggcagt	240
gggccacatc acatcttccc agggaagtgc aaagccctac aagtgcctcc aagctgctga	300
ggagccgtgc tcctcgttca aaggcacacc tactcccagg tctgccagta gtcccagcct	360
ggcatcctta tgggtctccc tccttcctg acatgaaacc agctccttgt cactcggagt	420
ttggggggcct gctgcataat cctcatctcc agccatgtct cctgaccctg tgacactctt	480
ggttccaccc acaattcctt agggcc	506

<210> 101
 <211> 501

P1055 PCT BLN ST25 (2)

<212> DNA
<213> Homo sapiens

<400> 101
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ctgcttgaaa cattcacaca ccagatttat ggatcaactg ctctcaacat caacaactag 120
ttgctcaaaa aattttcaaa gtgtgaaacc cttttgttaa aaacaaaagc atcctcaatc 180
tctctaaatt ctgcctttga agctattatt ggatataact gattcaccac attccagatg 240
cacatgtgac cactaacatt tgattatgag ctaattgcta tgtttcctgt tgagcagcag 300
gtgactgaga atcttgacta tacagtttat gatcatcttg ttggctgaaa tgtattcctt 360
tagttggcac aattccattt tccatttctc tctgctgtga tgggggtgtg atttttgaat 420
gtaaatgtga agagtccact gttgaatgat gactaacatc caccttagct aaaatttcat 480
aatacaacaa ataaaacact g 501

<210> 102
<211> 506
<212> DNA
<213> Homo sapiens

<400> 102
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ttgctcaaaa aattttcaaa gtgtgaaacc cttttgttaa aaacaaaagc atcctcaatc 180
tctctaaatt ctgcctttga agctattatt ggatataact gattcaccac attccagatg 240
cacatgtgac ctgaccacta acatttgatt atgagcta attgctatgttt cctgttgagc 300
agcagggtgac tgagaatctt gactatacag tttatgatca tcttgttggc tgaaatgtat 360
tccttttagtt ggcacaattc cattttccat ttctctctgc tgtgatgggg gtgtgatttt 420
tgaatgtaaa tgtgaagagt ccactgttga atgatgacta acatccacct tagctaaaat 480
ttcataatac aacaaataaa aactg 506

<210> 103
<211> 506
<212> DNA
<213> Homo sapiens

<400> 103
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taacccttca aaataagctg acacagttac attaatatca atgtatattt taagatgaaa 120
cagttcataa tgataaggag gccaaactcaa cagtaatata tcataatctg gaatctatat 180
gtacttgata aaatagcttc aatctatatg tagcaaaaat ggacagaaaa aatagacaaa 240
tacacactca agaaaattcc acacctatct caatagctaa taggacaagc aacaaaaaat 300
cagtgaagact aaagatctga gcaacaatta aacatatata catatgagac cattgaatct 360
attaggaccg atgacaggta tgttttttca agtgcgcagt ggctatttac caaaattgac 420

P1055 PCT BLN ST25 (2)

cctttgctgg gctctaagct acaatacatt gcaaaagatt gaagttattc agagcatacc 480
ttctagccac agtggaatta aactag 506

<210> 104
<211> 511
<212> DNA
<213> Homo sapiens

<400> 104
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taacccttca aaataagctg acacagttac attaatatca atgtatatatt taagatgaaa 120
cagttcataa tgataaggag gccaaactcaa cagtaatata tcataatctg gaatctatat 180
gtacttgata aaatagcttc aatctatatg tagcaaaaat ggacagaaaa aatagacaaa 240
tacacactca tagttagaaa attccacacc tatctcaata gctaatagga caagcaacca 300
aaaatcagtg agactaaaga tctgagcaac aattaaacat atatacatat gagaccattg 360
aatctattag gaccgatgac aggtatgttt tttcaagtgc gcatgggcta tttacaaaaa 420
ttgacccttt gctgggctct aagctacaat acattgcaaa agattgaagt tattcagagc 480
ataccttcta gccacagtgg aattaaacta g 511

<210> 105
<211> 501
<212> DNA
<213> Homo sapiens

<400> 105
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gagaaaagga agttcatcac ctgtcttctg atcagggtcac atccccaacc ttccctggct 120
gtcccatcaa attagcttgt ctactgaaag cacactcgtc tgtgggcaga aggcaagcct 180
gcctgcgctt gggcctcaag aaatgttgct tccctatcta cacaacctgg tttgccacg 240
tgctcttga taattagaat agaactctag aaggatatta gcatgtcatt tttcaaacct 300
gggtgtaaaag attacagttg gcatacagct cttaaagggt gcacagacc aaagagttag 360
cagcagcagc aaaaaaaaaa aaaaaaagggt tacacttggc agttattttc ttcttgtgct 420
tttctgattt tttttttatt taaacattga acattcactc ttttaagcttt ttgtgctttt 480
ctgaattttc tttttattta a 501

<210> 106
<211> 506
<212> DNA
<213> Homo sapiens

<400> 106
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gagaaaagga agttcatcac ctgtcttctg atcagggtcac atccccaacc ttccctggct 120
gtcccatcaa attagcttgt ctactgaaag cacactcgtc tgtgggcaga aggcaagcct 180
gcctgcgctt gggcctcaag aaatgttgct tccctatcta cacaacctgg tttgccacg 240

P1055 PCT BLN ST25 (2)

tgccctcttga taagttaatt agaatagaac tctagaagga tattagcatg tcattttttca	300
aacctggtgt aaaagattac agttggcata cagctcttaa aggtggcaca gacccaaaga	360
gtgagcagca gcagcaaaaa aaaaaaaaaa aaggttacac ttggcagtta ttttcttctt	420
gtgcttttct gatttttttt ttatttaaac attgaacatt cactctttaa gctttttgtg	480
cttttctgaa ttttcttttt atttaa	506

<210> 107
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 107 gagatgtgta gttccgccag gtgtgttgca cacacatgtc aagagagcac ctctgaacg	60
cagggacatg tggcacagct agggactacg ttccccgaaa gccttagcag cagctcactt	120
ccacttctgg gctgaacgtc ttccctcgca gtcgcttttg gtctgctcgg ccatgtgcag	180
tgctgagttt tcgcttcctt ctgagtggca cagcgtgggt acaagcttgg ctgctgcct	240
ttctccaggt ttcttgcagc cagggacaag tcattctcct cctgtggctg ccactagcca	300
tctgtgtccc atgcctggga catcctggac caggcccctc ctgccttctg acctttgcca	360
gatggcagga gactgccatc tcctatcatg tgacctactg gacaaagtgc ggataagttg	420
aaccatatga aattgtctaa gcgggggaaac tccaggtcaa tgtgtctcct ttttctgaaa	480
aaaaaaaaaa aaaaaaaaaa a	501

<210> 108
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 108 gagatgtgta gttccgccag gtgtgttgca cacacatgtc aagagagcac ctctgaacg	60
cagggacatg tggcacagct agggactacg ttccccgaaa gccttagcag cagctcactt	120
ccacttctgg gctgaacgtc ttccctcgca gtcgcttttg gtctgctcgg ccatgtgcag	180
tgctgagttt tcgcttcctt ctgagtggca cagcgtgggt acaagcttgg ctgctgcct	240
ttctccaggt ttccctgtcc tgcagtcagg gacaagtcac tctctctctg tggctgccac	300
tagccatctg tgtcccatgc ctgggacatc ctggaccagg cccctcctgc cttctgacct	360
ttgccagatg gcaggagact gccatctcct atcatgtgac ctactggaca aagtgcggat	420
aagttgaacc atatgaaatt gtctaagcgg ggaaactcca ggtcaatgtg tctccttttt	480
ctgaaaaaaaa aaaaaaaaaa aaaaaaa	507

<210> 109
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 109

P1055 PCT BLN ST25 (2)

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gtcacatgtg ccaaagaagg gctcaaatgt aattctaccc taaagtcata cagaataaac	120
caaatccctc tcttccacga aatcttggaa tatacctgtc ctatactcta cagtttttaa	180
gcacactgtg tcttcacatg gcatgattat attctactta tcaccccagt ttttttcaca	240
ttatactgaa attaaatggc ataaaaatag aatacagtac tctaggaggg gtcagccaac	300
caatctgaaa aagcactatt gtatagagcg cttcatggta ctccagggtt aggtaaattg	360
attgttttga aattcagtga catagataac atcatatggc tttttcatat tctattttat	420
tttttgcata tactcttttt agttttttaca ttctttaaga tgactaaaat atcttcgaat	480
acaatgctta acttctagat atcatct	507

<210> 110
 <211> 513
 <212> DNA
 <213> Homo sapiens

<400> 110	
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gtcacatgtg ccaaagaagg gctcaaatgt aattctaccc taaagtcata cagaataaac	120
caaatccctc tcttccacga aatcttggaa tatacctgtc ctatactcta cagtttttaa	180
gcacactgtg tcttcacatg gcatgattat attctactta tcaccccagt ttttttcaca	240
ttatactgaa atttgtctta aatggcataa aaatagaata cagtactcta ggaggggtca	300
gccaaccaat ctgaaaaagc actattgtat agagcgcttc atgggtactcc aggggttaggt	360
aaattgattg ttttgaaatt cagtgcata gataacatca tatggctttt tcatattcta	420
ttttattttt tgcataact ctttttagtt ttacattct ttaagatgac taaaatatct	480
tcgaatacaa tgcttaactt ctagatatca tct	513

<210> 111
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 111	
gcttgaaaag tacttggttt ccaaattaga agaatacttc aaagctaaag tcattaaata	60
tattaatgaa tcatgaaaaa taaatattgg aaaatgtgtt tagtttttaa tgcttgaaaa	120
attttaaagt attacagagt taattataca aaagaataat cttgaaaaag gtgagatcag	180
aagtttttagg ccacgtgac aggtcttatt gaaaaaagtt ttgtgaaata ttgattttaa	240
gaaataaaat aatatatctt tgaatataga ataattatga cttattttct actttactag	300
agtatatttg aaattgaaaa atgcatagta agtattaagg atactttata ttgtcagatt	360
taaaaatatt aaaatagaaa taacttgaag cctaagcttt gcaaacaaga gtatctgcta	420
cttattctgc tcagttcctg caccaattca gatcaaggca ggtgggttat ttattaaagt	480
ctggcactaa ttatttgtat a	501

P1055 PCT BLN ST25 (2)

<210> 112
<211> 508
<212> DNA
<213> Homo sapiens

<400> 112
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tattaatgaa tcatgaaaaa taaatattgg aaaatgtgtt tagtttttaa tgcttgaaaa 120
attttaaagt attacagagt taattataca aaagaataat cttgaaaaag gtgagatcag 180
aagtttttagg ccatcgtgac aggtccttatt gaaaaaagtt ttgtgaaata ttgattttaa 240
gaaataaaat caatcaaaat atatctttga atatagaata attatgactt attttctact 300
ttactagagt atatttgaaa ttgaaaaatg catagtaagt attaaggata ctttatattg 360
tcagatttaa aaatattaaa atagaaataa cttgaagcct aagctttgca aacaagagta 420
tctgctactt attctgctca gttcctgcac caattcagat caaggcaggt ggttttattta 480
ttaaagtctg gcactaatta tttgtata 508

<210> 113
<211> 501
<212> DNA
<213> Homo sapiens

<400> 113
gtagctggga ctacaggggc acgccaccat gcctggctaa tttttgcatt tttagtagag 60
atgggggtttc accatattgg ccaggctggg ctcaaactcc tgacctcgtg atccgcccgc 120
cttggcctcc caaagtgctg ggattacagg catgagccac cacaccagc tgaatgaaac 180
ttaatagggga gttatgagat acagacgttc ctagtaaatt cagagggaga gaaaacaagg 240
gctttgcttt gttctcagtg tagttagtat tagagccacc gttaacagga ctgttttcct 300
attaccttgt ctaatatgca ttgcttcctc tggggaaagt gaaaaactgg aaggatgagg 360
accaggtga ctaagataag ctggtgatat tgaagggaca aaactttgat gggtggagga 420
accagcaga gaaagggaaa agataagagc tcttgctaac tcaaaatttt acttggggct 480
gatcctacct gctctcccaa t 501

<210> 114
<211> 496
<212> DNA
<213> Homo sapiens

<400> 114
gtagctggga ctacaggggc acgccaccat gcctggctaa tttttgcatt tttagtagag 60
atgggggtttc accatattgg ccaggctggg ctcaaactcc tgacctcgtg atccgcccgc 120
cttggcctcc caaagtgctg ggattacagg catgagccac cacaccagc tgaatgaaac 180
ttaatagggga gttatgagat acagacgttc ctagtaaatt cagagggaga gaaaacaagg 240
gctttgttct cagtgtagtt agtattagag ccaccgttaa caggactgtt ttcctattac 300
cttgtcta atgcattgct tcctctgggg aaagtgaaaa actggaagga tgaggacca 360

P1055 PCT BLN ST25 (2)

ggtgactaag ataagctggt gatattgaag ggacaaaact ttgatgggtg gaggaaccca	420
gcagagaaaag ggaaaagata agagctcttg ctaactcaaa attttacttg gggctgatcc	480
tacctgctct cccaat	496

<210> 115
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 115	
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aaaggtcttt cctccccagg cggcacatct ccagccactg ccgacatgtg atgggaagca	120
agtgtcagga aatctgacca cggtcctcag ccagtgtgtc ctgattcagg gcccttata	180
tgcaggaatc caggatgtca acacagtcct tcacacacca tatggatcac ttctagcttg	240
gaggaaggaa agagagaagg ttcccatggg cctaaacact gcatatttat gtgcagacac	300
attgcagttg catgttggtg aaaactgagg cccaggtgtc tgcatacaaa cagcaggcct	360
tcctataatt taaagatgtt ggtgaagggt tcagcaagct cagacaatgg aaggatgaaa	420
catggcatgc ggcatgcagt ttgatcaaaa agaaaaacat gtctgccgga cgtggtggct	480
cacgcctgta atcctaacac t	501

<210> 116
 <211> 513
 <212> DNA
 <213> Homo sapiens

<400> 116	
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aaaggtcttt cctccccagg cggcacatct ccagccactg ccgacatgtg atgggaagca	120
agtgtcagga aatctgacca cggtcctcag ccagtgtgtc ctgattcagg gcccttata	180
tgcaggaatc caggatgtca acacagtcct tcacacacca tatggatcac ttctagcttg	240
gaggaaggaa cgggagaagg aaagagagaa ggttcccatg ggcctaaaca ctgcatattt	300
atgtgcagac acattgcagt tgcattgttg tgaaaactga ggcccagggtg tctgcataca	360
aacagcaggc cttcctataa tttaaagatg ttggtgaagg gttcagcaag ctcagacaat	420
ggaaggatga aacatggcat gcggcatgca gtttgatcaa aaagaaaaac atgtctgccg	480
gacgtggtgg ctcacgcctg taatcctaac act	513

<210> 117
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 117	
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ccagggaaga gactgagctc attctaaatc tgatgcacca ttcaggcact cagttggaat	120

P1055 PCT BLN ST25 (2)

ttaggggagc tgggggaaat gcagatgaat gtgggtgagg atggcccaa agagacatgt	180
accaggaggt tcacaccaag aatgtgacag gaaaaagcaa aagaccagc aataggagga	240
gggtgaaatc cttctgtggg acaaacacca aggggcagag gaggcagata cgagtaaagg	300
agaagaatcg ctttttatcc tatattcttc tgtactgttt taagtttttt acgaaaaggc	360
actcatgtgg ttctggtaaa attatacaaa tgatttcaac aacaacaaca acaagaatt	420
tgaagtagac aagaggccca aaaatataga tctgagagtc attgacgcgc aggtaatagg	480
tgaagccttg aaaattaata t	501

<210> 118
 <211> 516
 <212> DNA
 <213> Homo sapiens

<400> 118 acgagatgaa tgatggtggc cctgcctggc atgaggaaag tgagaaggga aaccagcttg	60
ccagggaaga gactgagctc attctaaatc tgatgcacca ttcaggcact cagttggaat	120
ttaggggagc tgggggaaat gcagatgaat gtgggtgagg atggcccaa agagacatgt	180
accaggaggt tcacaccaag aatgtgacag gaaaaagcaa aagaccagc aataggagga	240
gggtgaaatc aactacggca cgccccttct gtgggacaaa caccaagggg cagaggaggc	300
agatacgagt aaaggagaag aatcgctttt tctctatat tcttctgtac tgttttaagt	360
tttttacgaa aaggcactca tgtggttctg gtaaaattat acaaattgatt tcaacaacaa	420
caacaacaaa gaatttgaag tagacaagag gcccaaaaat atagatctga gagtcattga	480
cgcgaggta ataggtgaag ccttgaaaat taatat	516

<210> 119
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 119 agtgagtgat ccatctccaa aattccattt tagagtaggg tttccaggat ccatccgatc	60
ccactggctt gtgttcattt tctgaagaca agagatggag ggttgcatgc aggttgctag	120
gggactgctc ctgtgagata cacctgcaaa gaagtgaaga agacaggagt ggaggaaagg	180
caaagggttg agctgacctg ccacacagtt taactgagac ctgagacaac cttctgagaa	240
gctctggagc cattgtatta agacaagatt tttgggcttt taaatgtctg gactttgact	300
gcagggcaca ccatgggaga gagaataacc ttgagtaagg cagtttcctt ttgccaaggg	360
caattcccat gcacaaatca actgtgaacc ttcaaaagct gaaacgctga gcattctgggt	420
aaggaccttg aagagaggac ctaaaaggaa caacaaagga tttccccttt ttcctaattt	480
ctgcctctct gctactcaat c	501

<210> 120
 <211> 517
 <212> DNA

P1055 PCT BLN ST25 (2)

<213> Homo sapiens

<400> 120
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 gggactgctc ctgtgagata cacctgcaaa gaagtgaaga agacaggagt ggaggaaagg 180
 caaaggggtt agctgacctg ccacacagtt taactgagac ctcagacaac cttctgagaa 240
 gctctggagc catgatgggtt cttcagaatt gtattaagac aagatttttg ggcttttaaa 300
 tgtctggact ttgactgcag ggcacacat gggagagaga ataaccttga gtaaggcagt 360
 ttccttttgc caagggcaat tcccatgcac aaatcaactg tgaaccttca aaagctgaaa 420
 cgctgagcat ctgggtaagg acctgaaga gaggacctaa aaggaacaac aaaggatttc 480
 ccctttttcc taatttctgc ctctctgcta ctcaatc 517

<210> 121
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 121
 ccttcaggct cagccccagg gtgctgtgct tcgccaaagt ctagcctgaa tgtgcatgcc 60
 atgacaagcg gtcaatgcat ttggtctatt tttgcagggt taaagacaaa gtgttactgt 120
 tctcctttaa acaagctaga ctggaccaga ttgtccaccc tggactagct ggcataacag 180
 atcctcttgg ctctctgagg gcgccttctc tccatcagag gtcgcacagc accaccttga 240
 ttccaggatt agcaatcgcc aactgcgtaa gcccaactgc acatgcaatc atatgacatg 300
 tgatcccatg gcaaatgtaa tcaccgctca accaatccca ggtaacgggtg ccatgttgct 360
 tcccaatcac actgcagcta atttgctcta ttaaccaaag aatgagcaag gctgctgcct 420
 tctcttgctt cttgaacact cactgctgct ctgggccggc ctgccttcct acattctcaa 480
 tttgaggcaa tgaataatct a 501

<210> 122
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 122
 ccttcaggct cagccccagg gtgctgtgct tcgccaaagt ctagcctgaa tgtgcatgcc 60
 atgacaagcg gtcaatgcat ttggtctatt tttgcagggt taaagacaaa gtgttactgt 120
 tctcctttaa acaagctaga ctggaccaga ttgtccaccc tggactagct ggcataacag 180
 atcctcttgg ctctctgagg gcgccttctc tccatcagag gtcgcacagc accaccttga 240
 ttccaggatt cttggcacca ccttgattcc aggattagca atcgccaact gcgtaagccc 300
 aactgcacat gcaatcatat gacatgtgat cccatggcaa atgtaatcac cgctcaacca 360
 atcccaggta acggtgcat gttgcttccc aatcacactg cagctaattt gctctattaa 420
 ccaaagaatg agcaaggctg ctgccttctc ttgcttcttg aacactcact gctgctctgg 480

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gccggcctgc cttcctacat tctcaatttg aggcaatgaa taatcta 527

<210> 123
<211> 509
<212> DNA
<213> Homo sapiens

<400> 123
gccttagcgc tatatggcaa caatcttggt atatattaag gaaacaggcg tgggcgagga 60
agattataact ccaaagtcgc tggaaaagag catggatttc tgctgtagcg ccttgaaatt 120
tcaacctcca gacttcttac atgaggtaat tcaagggtcat tattcttttag gccactgtaa 180
atggctgcag ctactgaac tgacataaaa ggtgtgcatc atcaccaaaa gctttctaag 240
ctaagcttaa gctcggattt ggtcaaaatg tgctcttctt cttttgctga ggtttcatct 300
atcaatcaat atttcaaaat acttacagct aatgcttact tggagggaga caggaaaggg 360
acaaccttcc atactatttt tcaaattatt tcagacacaa taaatccatc tggaaaaaca 420
tccactttta caagttctta attcagatct atttgttctt taccatgcaa aatagatcaa 480
atgctttttt atatgtgaac tgtacaacc 509

<210> 124
<211> 517
<212> DNA
<213> Homo sapiens

<400> 124
gccttagcgc tatatggcaa caatcttggt atatattaag gaaacaggcg tgggcgagga 60
agattataact ccaaagtcgc tggaaaagag catggatttc tgctgtagcg ccttgaaatt 120
tcaacctcca gacttcttac atgaggtaat tcaagggtcat tattcttttag gccactgtaa 180
atggctgcag ctactgaac tgacataaaa ggtgtgcatc atcaccaaaa gctttctaag 240
ctaagcttaa gttagttatc tcggtattgg tcaaaatgtg ctcttcttct tttgctgagg 300
tttcatctat caatcaatat ttcaaaatac ttacagctaa tgcttacttg gagggagaca 360
ggaaagggac aaccttccat actatttttc aaattatttc agacacaata aatccatctg 420
gaaaaacatc cacttttaca agttcttaat tcagatctat tttgttctta ccatgcaaaa 480
tagatcaaat gcttttttat atgtgaactg tacaacc 517

<210> 125
<211> 24
<212> DNA
<213> Artificial Sequence [Primer for Seq ID NO. 1 and 2]

<220>
<223> Description of artificial Sequence: Synthetic primer

<400> 125
taaattctaa cctgcactca aagg 24

<210> 126
<211> 25

P1055 PCT BLN ST25 (2)

<212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 1 and 2]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 126
 ttagtcctgg atagccttag aaaat 25

<210> 127
 <211> 23
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 3 and 4]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 127
 tgctgacgaa attgcagtaa cta 23

<210> 128
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 3 and 4]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 128
 cacttctcta gggcttatcc agctt 25

<210> 129
 <211> 20
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 5 and 6]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 129
 tccggttgaaa ttctgccata 20

<210> 130
 <211> 24
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 5 and 6]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 130
 aaactcactg gactgatagt gctg 24

<210> 131
 <211> 21
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 7 and 8]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 131
 ccctctgtcc tcatcaacat g 21

P1055 PCT BLN ST25 (2)

<210> 132
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 7 and 8]

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 132
 tggtaatttg ttacagtagc ccaaa 25

 <210> 133
 <211> 21
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 9 and 10]

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 133
 acactctatg ccatgctcct g 21

 <210> 134
 <211> 22
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 9 and 10]

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 134
 ctgcaactgc tgtcttacct ct 22

 <210> 135
 <211> 21
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 11 and 12]

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 135
 gcaatctctc ctttggcaac t 21

 <210> 136
 <211> 20
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 11 and 12]

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 136
 agagcgcac aggttgctctg 20

 <210> 137
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 13 and 14]

 <220>

P1055 PCT BLN ST25 (2)

<223> Synthetic oligonucleotide primer

<400> 137
agatgacaga tatgttcact ggcta 25

<210> 138
<211> 25
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 13 and 14]

<220>
<223> Synthetic oligonucleotide primer

<400> 138
agagccctca agttaagaat gattt 25

<210> 139
<211> 22
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 15 and 16]

<220>
<223> Synthetic oligonucleotide primer

<400> 139
agtggtttgt gatcttgcca tc 22

<210> 140
<211> 21
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 15 and 16]

<220>
<223> Synthetic oligonucleotide primer

<400> 140
aatgggtcat gtcttccctt c 21

<210> 141
<211> 19
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 17 and 18]

<220>
<223> Synthetic oligonucleotide primer

<400> 141
ggctggattg aagtgcatt 19

<210> 142
<211> 19
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 17 and 18]

<220>
<223> Synthetic oligonucleotide primer

<400> 142
gctgtgtcat cagggatgg 19

<210> 143
<211> 23

P1055 PCT BLN ST25 (2)

<212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 19 and 20]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 143
 acatcagagc cctaaacaaa caa 23
 <210> 144
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 19 and 20]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 144
 agtggtaaat ctttgtttga aggtg 25
 <210> 145
 <211> 22
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 21 and 22]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 145
 gttgagagtc gtgggtttat cc 22
 <210> 146
 <211> 24
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 21 and 22]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 146
 tatcctttta tcaggaatgg gttt 24
 <210> 147
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 23 and 24]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 147
 ggaaggaata acaagtacct cagtt 25
 <210> 148
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 23 and 24]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 148
 aaagtgtcac aagaccctta aactt 25

P1055 PCT BLN ST25 (2)

<210> 149
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 25 and 26]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 149
 ccaatgttca tcagaactgt caata 25

<210> 150
 <211> 21
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 25 and 26]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 150
 gactcccaag agctgtggat t 21

<210> 151
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 27 and 28]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 151
 tgaagtttga aagaataatg taggc 25

<210> 152
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 27 and 28]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 152
 acatgattca acagaattga ttttc 25

<210> 153
 <211> 27
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 29 and 30]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 153
 tcagtcctat ttagtagaag ctcaatt 27

<210> 154
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 29 and 30]
 <220>

P1055 PCT BLN ST25 (2)

<223> Synthetic oligonucleotide primer

<400> 154
gtttaatcct atcaaagaag cattg 25

<210> 155
<211> 25
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 31 and 32]

<220>
<223> Synthetic oligonucleotide primer

<400> 155
ctcctttgtt cctcctaatac tcttt 25

<210> 156
<211> 26
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 31 and 32]

<220>
<223> Synthetic oligonucleotide primer

<400> 156
gaatatatga gactcacact ggtcct 26

<210> 157
<211> 22
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 33 and 34]

<220>
<223> Synthetic oligonucleotide primer

<400> 157
tagggtcata aacccagtct gc 22

<210> 158
<211> 24
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 33 and 34]

<220>
<223> Synthetic oligonucleotide primer

<400> 158
gttttaggtc tcagcatcac gtag 24

<210> 159
<211> 22
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 35 and 36]

<220>
<223> Synthetic oligonucleotide primer

<400> 159
gtgctgggcc attctcttgt aa 22

<210> 160
<211> 22

P1055 PCT BLN ST25 (2)

<212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 35 and 36]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 160
 ctaggtgcag agagggatac tg 22

<210> 161
 <211> 23
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 37 and 38]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 161
 gagggcgact ataaagagga ttc 23

<210> 162
 <211> 20
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 37 and 38]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 162
 ttcacgaagc cacaagtatt 20

<210> 163
 <211> 24
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 39 and 40]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 163
 aaattaaatt caaatgtcca actg 24

<210> 164
 <211> 28
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 39 and 40]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 164
 tgtgtaggag ggtgttttat agacaaat 28

<210> 165
 <211> 22
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 41 and 42]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 165
 aatggcaaag atacaggtct gg 22

P1055 PCT BLN ST25 (2)

<210> 166
 <211> 20
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 41 and 42]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 166
 aggtgaagtt gaggctcctg 20

<210> 167
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 43 and 44]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 167
 tttctaaagg catctgaaat agtgg 25

<210> 168
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 43 and 44]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 168
 cctacatgag gatgtccttc tactt 25

<210> 169
 <211> 20
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 45 and 46]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 169
 agcccaccag agcactacag 20

<210> 170
 <211> 20
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 45 and 46]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 170
 agatgctgtc agggcacgac 20

<210> 171
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 47 and 48]
 <220>

<223> Synthetic oligonucleotide primer
 <400> 171
 tagactcaag aattgacatt gacac 25

<210> 172
 <211> 23
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 47 and 48]

<220>
 <223> Synthetic oligonucleotide primer
 <400> 172
 gaagtctatt cccctactcc ttg 23

<210> 173
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 49 and 50]

<220>
 <223> Synthetic oligonucleotide primer
 <400> 173
 tgggtagggg gttatgtgta tcttt 25

<210> 174
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 49 and 50]

<220>
 <223> Synthetic oligonucleotide primer
 <400> 174
 gttccaacag aatttagctt actgc 25

<210> 175
 <211> 22
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 51 and 52]

<220>
 <223> Synthetic oligonucleotide primer
 <400> 175
 aagagtgaaa ctccgtctca aa 22

<210> 176
 <211> 26
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 51 and 52]

<220>
 <223> Synthetic oligonucleotide primer
 <400> 176
 ctgccttcca aaatactatt gttatc 26

<210> 177
 <211> 22

P1055 PCT BLN ST25 (2)

<212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 53 and 54]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 177
 cacatcccat cagcttctac aa 22

<210> 178
 <211> 20
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 53 and 54]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 178
 gagccgggtt ctcgtctagt 20

<210> 179
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 55 and 56]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 179
 ttaccaccaa gagttacatt acatg 25

<210> 180
 <211> 21
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 55 and 56]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 180
 tgttgcgaaa ggaaacgcta g 21

<210> 181
 <211> 20
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 57 and 58]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 181
 gaagcgggtct ggaagtcagg 20

<210> 182
 <211> 18
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 57 and 58]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 182
 acactctttg cagggtac 18

P1055 PCT BLN ST25 (2)

<210> 183
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 59 and 60]

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 183
 ttacttgccc aaaagaaaac atatc 25

 <210> 184
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 59 and 60]

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 184
 tgcaagatat tccttggttaa ttcag 25

 <210> 185
 <211> 23
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 61 and 62]

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 185
 cctgggctct gtaaagaata gtg 23

 <210> 186
 <211> 20
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 61 and 62]

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 186
 gccaaccatc agcttaaaact 20

 <210> 187
 <211> 23
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 63 and 64]

 <220>
 <223> Synthetic oligonucleotide primer

 <400> 187
 cgctttgaag tggtagcaga gca 23

 <210> 188
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 63 and 64]

 <220>

<223> Synthetic oligonucleotide primer

<400> 188
aatgcatgcc taatattttc aggga 25

<210> 189
<211> 25
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 65 and 66]

<220>
<223> Synthetic oligonucleotide primer

<400> 189
ctttgttgct agtttgatc ttgaa 25

<210> 190
<211> 25
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 65 and 66]

<220>
<223> Synthetic oligonucleotide primer

<400> 190
ttgattacac tataggagcc ctgaa 25

<210> 191
<211> 25
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 67 and 68]

<220>
<223> Synthetic oligonucleotide primer

<400> 191
agacaacttt atgtgacttg aatcc 25

<210> 192
<211> 27
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 67 and 68]

<220>
<223> Synthetic oligonucleotide primer

<400> 192
gcaagaatat agaaaactta acaccac 27

<210> 193
<211> 24
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 69 and 70]

<220>
<223> Synthetic oligonucleotide primer

<400> 193
ctaatttagg cacaacactg atct 24

<210> 194
<211> 25

P1055 PCT BLN ST25 (2)

<212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 69 and 70]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 194
 attgatcata tcctatcctt catca 25

<210> 195
 <211> 21
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 71 and 72]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 195
 ctcgtagcct cattgcttcc t 21

<210> 196
 <211> 21
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 71 and 72]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 196
 ccaatccaaa gccaagaaat c 21

<210> 197
 <211> 23
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 73 and 74]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 197
 ggcctcttgt tctttatctt gag 23

<210> 198
 <211> 26
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 73 and 74]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 198
 tgatactaga ctttctccat ctcatt 26

<210> 199
 <211> 24
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 75 and 76]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 199
 atcactttgt ttcttgctct gaat 24

P1055 PCT BLN ST25 (2)

<210> 200
 <211> 24
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 75 and 76]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 200
 actaacctag aacatgccat tagc 24

<210> 201
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 77and 78]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 201
 gtcattggcac tcttctagca agtat 25

<210> 202
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 77and 78]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 202
 agggtaattcg gattctgtag ttcatt 25

<210> 203
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 79and 80]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 203
 ggcttataatc aaatgtcctt atgaa 25

<210> 204
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 79and 80]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 204
 tactattcca ttatccgaaa cactg 25

<210> 205
 <211> 21
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 81 and 82]
 <220>

<223> Synthetic oligonucleotide primer

<400> 205
ttcaggtacc cccttcctc c 21

<210> 206
<211> 21
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 81 and 82]

<220>
<223> Synthetic oligonucleotide primer

<400> 206
ccttcaggta cccttcctc c 21

<210> 207
<211> 19
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 83 and 84]

<220>
<223> Synthetic oligonucleotide primer

<400> 207
aattttgttc ttttttatt 19

<210> 208
<211> 19
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 83 and 84]

<220>
<223> Synthetic oligonucleotide primer

<400> 208
aaattttggt tttttatta 19

<210> 209
<211> 17
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 85 and 86]

<220>
<223> Synthetic oligonucleotide primer

<400> 209
aagagagttg ttgtgag 17

<210> 210
<211> 17
<212> DNA
<213> Artificial Sequence [Primer for SEQ ID NO. 85 and 86]

<220>
<223> Synthetic oligonucleotide primer

<400> 210
agagagttgt gagctga 17

<210> 211
<211> 23

P1055 PCT BLN ST25 (2)

<212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 87 and 88]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 211
 gaaggaatgg aagaaatgct gga 23

<210> 212
 <211> 22
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 87 and 88]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 212
 ggaaggaatg gaaatgctgg ag 22

<210> 213
 <211> 20
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 89 and 90]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 213
 ggaatggagg aggagaagtt 20

<210> 214
 <211> 21
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 89 and 90]
 <220>
 <223> Synthetic oligonucleotide primer
 <400> 214
 ctggaatgga ggagaagttt t 21

<210> 215
 <211> 17
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 91 and 92]
 <220>
 <223> Synthetic DNA oligonucleotide primer
 <400> 215
 gggaaattct tcttggt 17

<210> 216
 <211> 17
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 91 and 92]
 <220>
 <223> Synthetic DNA oligonucleotide primer
 <400> 216
 gggaaattct tggtttt 17

P1055 PCT BLN ST25 (2)

<210> 217
 <211> 20
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 93 and 94]

 <220>
 <223> Synthetic DNA oligonucleotide primer

 <400> 217
 accctcctca ctaactgtcc 20

 <210> 218
 <211> 18
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 93 and 94]

 <220>
 <223> Synthetic DNA oligonucleotide primer

 <400> 218
 tgtccctcct aactgtcc 18

 <210> 219
 <211> 20
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 95 and 96]

 <220>
 <223> Synthetic DNA oligonucleotide primer

 <400> 219
 gcaggctgat gagtttggtt 20

 <210> 220
 <211> 28
 <212> DNA
 <213> Artificial Sequence [Primer for SEQ ID NO. 95 and 96]

 <220>
 <223> Synthetic DNA oligonucleotide primer

 <400> 220
 aacatactac aacaacatca agtttctt 28

 <210> 221
 <211> 22
 <212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 97 and 98]

 <220>
 <223> Synthetic DNA oligonucleotide primer

 <400> 221
 attttgtccc attaccccat tt 22

 <210> 222
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 97 and 98]

 <220>

P1055 PCT BLN ST25 (2)

<223> Synthetic DNA oligonucleotide primer

<400> 222
agatcacttc tctcctgctt aggat 25

<210> 223
<211> 22
<212> DNA
<213> Artificial Sequence [Primer for Seq ID NO. 99 and 100]

<220>
<223> Synthetic DNA oligonucleotide primer

<400> 223
tttgcacat taaagggttt gc 22

<210> 224
<211> 22
<212> DNA
<213> Artificial Sequence [Primer for Seq ID NO. 99 and 100]

<220>
<223> Synthetic DNA oligonucleotide primer

<400> 224
cacttgtagg gctttgcact tc 22

<210> 225
<211> 21
<212> DNA
<213> Artificial Sequence [Primer for Seq ID NO. 101 and 102]

<220>
<223> Synthetic DNA oligonucleotide primer

<400> 225
tgtagtggt caggtcacat g 21

<210> 226
<211> 22
<212> DNA
<213> Artificial Sequence [Primer for Seq ID NO. 101 and 102]

<220>
<223> Synthetic DNA oligonucleotide primer

<400> 226
agtagtggt cacatgtgca tc 22

<210> 227
<211> 23
<212> DNA
<213> Artificial Sequence [Primer for Seq ID NO. 103 and 104]

<220>
<223> Synthetic DNA oligonucleotide primer

<400> 227
taatgataag gaggccaact caa 23

<210> 228
<211> 23

P1055 PCT BLN ST25 (2)

<212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 103 and 104]
 <220>
 <223> Synthetic DNA oligonucleotide primer
 <400> 228
 tttggttgct tgcctatta gct 23

<210> 229
 <211> 24
 <212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 105 and 106]
 <220>
 <223> Synthetic DNA oligonucleotide primer
 <400> 229
 atgttgcttc cctatctaca caac 24

<210> 230
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 105 and 106]
 <220>
 <223> Synthetic DNA oligonucleotide primer
 <400> 230
 gaaaagcaca agaagaaaat aactg 25

<210> 231
 <211> 19
 <212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 107 and 108]
 <220>
 <223> Synthetic DNA oligonucleotide primer
 <400> 231
 cacagcgtgg gtacaagct 19

<210> 232
 <211> 20
 <212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 107 and 108]
 <220>
 <223> Synthetic DNA oligonucleotide primer
 <400> 232
 agccacagga ggagaatgac 20

<210> 233
 <211> 21
 <212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 109 and 110]
 <220>
 <223> Synthetic DNA oligonucleotide primer
 <400> 233
 tccctctctt ccacgaaatc t 21

P1055 PCT BLN ST25 (2)

<210> 234
 <211> 20
 <212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 109 and 110]
 <220>
 <223> synthetic DNA oligonucleotide primer
 <400> 234
 ttcagattgg ttggctgacc 20

<210> 235
 <211> 23
 <212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 111 and 112]
 <220>
 <223> synthetic DNA oligonucleotide primer
 <400> 235
 atcgtgacag gtcttattga aaa 23

<210> 236
 <211> 27
 <212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 111 and 112]
 <220>
 <223> synthetic DNA oligonucleotide primer
 <400> 236
 agcttaggct tcaagttatt tctattt 27

<210> 237
 <211> 24
 <212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 113 and 114]
 <220>
 <223> synthetic DNA oligonucleotide primer
 <400> 237
 acccagctga atgaaactta atag 24

<210> 238
 <211> 25
 <212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 113 and 114]
 <220>
 <223> synthetic DNA oligonucleotide primer
 <400> 238
 tgттаacggт ggctctaata ctaac 25

<210> 239
 <211> 21
 <212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 115 and 116]
 <220>

<223> Synthetic DNA oligonucleotide primer

<400> 239
caacacagtc cttcacacac c 21

<210> 240
<211> 20
<212> DNA
<213> Artificial Sequence [Primer for Seq ID NO. 115 and 116]

<220>
<223> Synthetic DNA oligonucleotide primer

<400> 240
caactgcaat gtgtctgcac 20

<210> 241
<211> 21
<212> DNA
<213> Artificial Sequence [Primer for Seq ID NO. 117 and 118]

<220>
<223> Synthetic DNA oligonucleotide primer

<400> 241
aaagaccag caataggagg a 21

<210> 242
<211> 21
<212> DNA
<213> Artificial Sequence [Primer for Seq ID NO. 117 and 118]

<220>
<223> Synthetic DNA oligonucleotide primer

<400> 242
ttggtgttg tcccacagaa g 21

<210> 243
<211> 22
<212> DNA
<213> Artificial Sequence [Primer for Seq ID NO. 119 and 120]

<220>
<223> Synthetic DNA oligonucleotide primer

<400> 243
tgagacctca gacaaccttc tg 22

<210> 244
<211> 22
<212> DNA
<213> Artificial Sequence [Primer for Seq ID NO. 119 and 120]

<220>
<223> Synthetic DNA oligonucleotide primer

<400> 244
tccagacatt taaaagccca aa 22

<210> 245
<211> 21

P1055 PCT BLN ST25 (2)

<212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 121 and 122]
 <220>
 <223> Synthetic DNA oligonucleotide primer
 <400> 245
 gccttctctc catcagaggt c 21

<210> 246
 <211> 21
 <212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 121 and 122]
 <220>
 <223> Synthetic DNA oligonucleotide primer
 <400> 246
 attggttgag cgtgattac a 21

<210> 247
 <211> 22
 <212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 123 and 124]
 <220>
 <223> Synthetic DNA oligonucleotide primer
 <400> 247
 ttcttttaggc cactgtaaat gg 22

<210> 248
 <211> 24
 <212> DNA
 <213> Artificial Sequence [Primer for Seq ID NO. 123 and 124]
 <220>
 <223> Synthetic DNA oligonucleotide primer
 <400> 248
 ttgattgata gatgaaacct cagc 24

<210> 249
 <211> 22
 <212> DNA
 <213> Artificial Sequence (primer for DIP 63)
 <220>
 <223> primer for DIP 63
 <400> 249
 ctctgtctcc actgggaatg tc 22

<210> 250
 <211> 21
 <212> DNA
 <213> Artificial
 <220>
 <223> primer for DIP 63
 <400> 250
 atctgttagg cgcactgtgt c 21

P1055 PCT BLN ST25 (2)

<210>	251	
<211>	20	
<212>	DNA	
<213>	Artificial	
<220>		
<223>	primer for DIP 41	
<400>	251	
	cagactgaga gacagccttg	20
<210>	252	
<211>	20	
<212>	DNA	
<213>	Artificial	
<220>		
<223>	primer for DIP 41	
<400>	252	
	atataccttaa gctccagggga	20
<210>	253	
<211>	20	
<212>	DNA	
<213>	Artificial	
<220>		
<223>	primer for DIP 42	
<400>	253	
	tttgaaatat gtccaagga	20
<210>	254	
<211>	22	
<212>	DNA	
<213>	Artificial	
<220>		
<223>	primer for DIP 42	
<400>	254	
	tcaattttat ctccaatttc gt	22
<210>	255	
<211>	22	
<212>	DNA	
<213>	Artificial	
<220>		
<223>	primer for DIP 43	
<400>	255	
	gcacatttca ttaagtctgt ca	22
<210>	256	
<211>	21	
<212>	DNA	
<213>	Artificial	
<220>		

<223> primer for DIP 43
 <400> 256
 gtctgtgaac tcagtccaga a 21

<210> 257
 <211> 20
 <212> DNA
 <213> Artificial

<220>
 <223> primer for DIP 44
 <400> 257
 atcaacacag acctgcctta 20

<210> 258
 <211> 20
 <212> DNA
 <213> Artificial

<220>
 <223> primer for DIP 44
 <400> 258
 ttggccatct gactatgaat 20

<210> 259
 <211> 20
 <212> DNA
 <213> Artificial

<220>
 <223> primer for DIP 45
 <400> 259
 taccaagcca gaactaccag 20

<210> 260
 <211> 20
 <212> DNA
 <213> Artificial

<220>
 <223> primer for DIP 45
 <400> 260
 ttgttgccaa atactgtcaa 20

<210> 261
 <211> 20
 <212> DNA
 <213> Artificial

<220>
 <223> primer for DIP 46
 <400> 261
 tggaagacac gtcctaagag 20

<210> 262
 <211> 20

P1055 PCT BLN ST25 (2)

<212>	DNA	
<213>	Artificial	
<220>		
<223>	primer for DIP 46	
<400>	262	
	aaatgggtga ttattcctcc	20
<210>	263	
<211>	20	
<212>	DNA	
<213>	Artificial	
<220>		
<223>	primer for DIP 47	
<400>	263	
	gaacagtgac atggacacct	20
<210>	264	
<211>	20	
<212>	DNA	
<213>	Artificial	
<220>		
<223>	primer for DIP 47	
<400>	264	
	aagacacagc aaggtgatgt	20
<210>	265	
<211>	20	
<212>	DNA	
<213>	Artificial	
<220>		
<223>	primer for DIP 51	
<400>	265	
	agattctcag tcacctgctg	20
<210>	266	
<211>	20	
<212>	DNA	
<213>	Artificial	
<220>		
<223>	primer for DIP 51	
<400>	266	
	actgattcac cacattccag	20
<210>	267	
<211>	25	
<212>	DNA	
<213>	Artificial	
<220>		
<223>	primer for DIP 1	
<400>	267	
	taaattctaa cctgcactca aagga	25

P1055 PCT BLN ST25 (2)

<210> 268
 <211> 25
 <212> DNA
 <213> Artificial

 <220>
 <223> primer for DIP 1

 <400> 268
 tacagcatat tagtcctgga tagcc 25

 <210> 269
 <211> 22
 <212> DNA
 <213> Artificial

 <220>
 <223> primer for DIP 32

 <400> 269
 cctttgaagt ggtaccagag ca 22

 <210> 270
 <211> 23
 <212> DNA
 <213> Artificial

 <220>
 <223> primer for DIP 32

 <400> 270
 gcatgcctaa tatttttcagg gaa 23

 <210> 271
 <211> 19
 <212> DNA
 <213> Artificial

 <220>
 <223> primer for DIP 29

 <400> 271
 aggggaagcgg tctggaagt 19

 <210> 272
 <211> 20
 <212> DNA
 <213> Artificial

 <220>
 <223> primer for DIP 29

 <400> 272
 cccacactct ttgcagggtta 20

 <210> 273
 <211> 21
 <212> DNA
 <213> Artificial

 <220>

<223> primer for DIP 17

<400> 273
ggtcataaac ccagtctgct g 21

<210> 274
<211> 24
<212> DNA
<213> Artificial

<220>
<223> primer for DIP 17

<400> 274
gttttaggtc tcagcatcac gtag 24

<210> 275
<211> 24
<212> DNA
<213> Artificial

<220>
<223> primer for DIP 20

<400> 275
aaattaaatt caaatgtcca actg 24

<210> 276
<211> 23
<212> DNA
<213> Artificial

<220>
<223> primer for DIP 20

<400> 276
ttgtaaagct ggagaatgga gaa 23

<210> 277
<211> 21
<212> DNA
<213> Artificial

<220>
<223> primer for DIP 18

<400> 277
gtgtgctggt ccattctctt g 21

<210> 278
<211> 19
<212> DNA
<213> Artificial

<220>
<223> primer for DIP 18

<400> 278
agaaggagcg atgccctag 19

<210> 279
<211> 26

P1055 PCT BLN ST25 (2)

<212> DNA
 <213> Artificial

 <220>
 <223> primer for DIP 19

 <400> 279
 ctataaagag gattcctgtg ttgggt 26

 <210> 280
 <211> 21
 <212> DNA
 <213> Artificial

 <220>
 <223> primer for DIP 19

 <400> 280
 gttcacgaag ccacaagtat t 21

 <210> 281
 <211> 27
 <212> DNA
 <213> Artificial

 <220>
 <223> primer for DIP 15

 <400> 281
 tgcttttcag tcctatttag tagaagc 27

 <210> 282
 <211> 27
 <212> DNA
 <213> Artificial

 <220>
 <223> primer for DIP 15

 <400> 282
 tcctatcaaa gaagcattgt taatttt 27

 <210> 283
 <211> 25
 <212> DNA
 <213> Artificial

 <220>
 <223> primer for DIP 30

 <400> 283
 ttacttgccc aaaagaaaac atatc 25

 <210> 284
 <211> 25
 <212> DNA
 <213> Artificial

 <220>
 <223> primer for DIP 30

 <400> 284
 atgcaagata ttccttggtta attca 25

P1055 PCT BLN ST25 (2)

<210> 285
 <211> 25
 <212> DNA
 <213> Artificial

 <220>
 <223> primer for DIP 33

 <400> 285
 gtctgacttt gttgctagtt tgtca 25

 <210> 286
 <211> 25
 <212> DNA
 <213> Artificial

 <220>
 <223> primer for DIP 33

 <400> 286
 ttgattacac tataggagcc ctgaa 25

 <210> 287
 <211> 22
 <212> DNA
 <213> Artificial

 <220>
 <223> primer for DIP 8

 <400> 287
 gatcagtggg ttgtgatctt gc 22

 <210> 288
 <211> 21
 <212> DNA
 <213> Artificial

 <220>
 <223> primer for DIP 8

 <400> 288
 aatgggtcat gtcttccctt c 21

 <210> 289
 <211> 501
 <212> DNA
 <213> Homo sapiens

 <400> 289
 atgataagcc caggataatc aacttgctta aggtgatgta accagttctc acacaagcct 60
 tctctccaga atattaacac attcatgtga acgtgtgtgt gtaggcatat atcatgtatg 120
 tgcacgcatg tccttttact ctgtctccac tgggaatgtc ttaattttca ttagattcca 180
 agtaagaatc aaaataatga gaccatgctt tatatatctt taaaattatt gcaaacatta 240
 tattttacttt aaagtttctg tgacacagtg cgcctaacag atagtgggaa ttttatttat 300
 gcataaaatg cactgcataa tgaagtaatt gagtcttcat tttccatatg gcgttctgga 360

P1055 PCT BLN SEQ

cagtttggtt ttgaatgagt tggtaagatt cccaagtggg tgtcacacat gtggctgaga	420
gaaaattaaa gggctggctc tcctcatagt tccttcaggt caagaggaaa gcagctaata	480
ttattgactc ctcaacccaa a	501

<210> 290
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 290	
atgataagcc caggataatc aacttgctta aggtgatgta accagttctc acacaagcct	60
tctctccaga atattaacac attcatgtga acgtgtgtgt gtaggcatat atcatgtatg	120
tgcacgcatg tccttttact ctgtctccac tgggaatgtc ttaattttca ttagattcca	180
agtaagaatc aaaataatga gaccatgctt tatatattct taaaattatt gcaaacatta	240
tatttacttt taagtaaagt ttctgtgaca cagtgcgcct aacagatagt ggggaatttta	300
tttatgcata aaatgcactg cataatgaag taattgagtc ttcattttcc atatggcggt	360
ctggacagtt tggttttgaa tgagttggta agattcccaa gtggttgtca cacatgtggc	420
tgagagaaaa ttaaagggtt ggctctcctc atagttcctt caggtcaaga ggaaagcagc	480
taatattatt gactcctcaa cccaaa	506