

10_06_2014-01-00041-00000157

Sequenzen_Anmeldung_CS_ST25.txt
SEQUENCE LISTING

<110> Klaus, Olek

<120> Verfahren zum Auffinden von Nucleinsäuren, Nucleinsäuren sowie dazu komplementäre Oligonucleotide zur Identifikation von biologischem Material, sowie Verfahren zur Identifikation von biologischem Material und Kit

<130> P04055 /DI

<160> 60

<170> PatentIn version 3.5

<210> SEQ ID NO 1

<211> LENGTH: 344

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Amplicon Blut1, genomic sequence

<400> SEQUENCE: 1

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ggaccgcctt gcaccctcca agcctgcacc tcttagtcca gcaccaggaa gagtggctct    180
aggaggggaga ggagcccagg gactgaccca aggtgagttg aggggtgcag gagggcccct    240
gcagatggag gatgtggggg acagagaggt gtgcagagac aaacgagaga tagagacagg    300
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<210> SEQ ID NO 2

<211> LENGTH: 232

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Amplicon Blut2, genomic sequence

<400> SEQUENCE: 2

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tgtacggtca ggagcagcgt gtttaattaag tgagtcacat tccgtggcag aatcccaggg    180
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<210> SEQ ID NO 3

<211> LENGTH: 320

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Amplicon Mens1, genomic sequence

<400> SEQUENCE: 3

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gcaggaaccg gagctacctg aagagcgcgg ctttccccgg ctcttcgggc tgtggaggct 120

gcgggctcgc gcttggtccg ggacaggggc gtggcgctg ctgctggctc ggctgcccgc 180

gctgcactgg ctgccccatt accgctggcg ggcctggctg ctcggagatg cggtggccgg 240

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gagcacaage tctagagggc 320

<210> SEQ ID NO 4

<211> LENGTH: 291

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Amplicon Mens2, genomic sequence

<400> SEQUENCE: 4

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acatgaaacc acgaatcgtg cagggttcta gagaaacaaa gggccgcgcg caccgcagg 180

ccctgcgtg gaggcgagga cctaaatcaa aactgctaag gggtcaccag gcatggtgag 240

gggcctcag ggccaaaccc tcctcgcc tgctctcaa gctcagcag c 291

<210> SEQ ID NO 5

<211> LENGTH: 211

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Amplicon Spe1, genomic sequence

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Sequenzen_Anmeldung_CS_ST25.txt

<400> SEQUENCE: 5

ctacagagat aagtatgaat gtgaggcgat ttaacgtgt ctaccgagcg cagggttagga 60
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aatggaaggc gtgggccccca ggccaccaga g 211

<210> SEQ ID NO 6

<211> LENGTH: 292

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Amplicon Spei2, genomic sequence

<400> SEQUENCE: 6

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cggctcccagg actctgttta cttgtctgc ttgctaaag aaggccggtg aaccaggacc 180
accgcacaca caggcccacc aggggcaatg ctattccaa gaccttaact tttaagagcc 240
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<210> SEQ ID NO 7

<211> LENGTH: 272

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Amplicon Vag1, genomic sequence

<400> SEQUENCE: 7

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acgtggggccg cgcgaccaat ggtggaggct gcagcctgcg aactagtcgg tggctcgggc 180
gccggcgggg agctgctcgg cggcggacag tgtaatgttg ggtgggagtg cgggacgcct 240
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Sequenzen_Anmeldung_CS_ST25.txt

<210> SEQ ID NO 8
<211> LENGTH: 188
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Amplicon Vag2, genomic sequence

<400> SEQUENCE: 8

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tgctggcagc ctcgtccttc gccatcgaac attgcgggtg ttatcataat actctgaagg 180
gggggaaa 188

<210> SEQ ID NO 9
<211> LENGTH: 217
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Amplicon Sperm1, genomic sequence

<400> SEQUENCE: 9

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gggttgtttc acagcgtgtg ccgcaggggc gcaggggccg cgctctttcc tcacatgtgg 120
gagaagcgga ggagccgcca gggctggggc caggctctgc cactgggggt tccgcccggt 180
gtcgccctcc gcctcctggg ctctagccct tgccttt 217

<210> SEQ ID NO 10
<211> LENGTH: 215
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Amplicon Sperm2, genomic sequence

<400> SEQUENCE: 10

gctggaatct gaactgggaa ctgcccaggc gctgcctggt gtggtgtcac aacaccgcc 60
tcgggctccc tggaggagga aggcacaaca actctttgcc tggaattcgg agcccccatc 120
ggcgtggca cggaagccca gctccccacc agcacagagg tcaggggagg gagggagaag 180

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Sequenzen_Anmeldung_CS_ST25.txt

gagtagaaac acctgccagg acagtcaga gctat

215

<210> SEQ ID NO 11

<211> LENGTH: 173

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Amplicon Haut1, genomic sequence

<400> SEQUENCE: 11

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<210> SEQ ID NO 12

<211> LENGTH: 22

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Primer AMP_Blut1-o

<400> SEQUENCE: 12

tgggttgctt tggaacaaa ca

22

<210> SEQ ID NO 13

<211> LENGTH: 19

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Primer AMP_Blut1-p

<400> SEQUENCE: 13

cctctgcacc cctcctggg

19

<210> SEQ ID NO 14

<211> LENGTH: 31

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Primer SNP_Blut1-2r

<400> SEQUENCE: 14

10_06_2014-01-00041-00000162

Sequenzen_Anmeldung_CS_ST25.txt

ctaagaggtg caggcttgga gggcgcagg c 31

<210> SEQ ID NO 15
<211> LENGTH: 24
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer SNP_Blut1-1f

<400> SEQUENCE: 15

ggggcacagt tgcccagcaa cagg 24

<210> SEQ ID NO 16
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer AMP_Blut2-o

<400> SEQUENCE: 16

cataattgt atcaggga tga 23

<210> SEQ ID NO 17
<211> LENGTH: 19
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer AMP_Blut2-p

<400> SEQUENCE: 17

tcctcacat tcctttcc 19

<210> SEQ ID NO 18
<211> LENGTH: 25
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer SNP_Blut2-f

<400> SEQUENCE: 18

gcagctttgg caagaaccaa aggaa 25

<210> SEQ ID NO 19
<211> LENGTH: 24

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Sequenzen_Anmeldung_CS_ST25.txt

<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer SNP_Blut2-r2

<400> SEQUENCE: 19

ccatgtaccc tgggattctg ccac 24

<210> SEQ ID NO 20
<211> LENGTH: 24
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer AMP_Mens1-o

<400> SEQUENCE: 20

gaccaggctc agggaagctc tcac 24

<210> SEQ ID NO 21
<211> LENGTH: 22
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer AMP_Mens1-p-V.2

<400> SEQUENCE: 21

gccctctaga gcttgctc cc 22

<210> SEQ ID NO 22
<211> LENGTH: 18
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer SNP_Mens1-F3m

<400> SEQUENCE: 22

ggcgctgct gctggctc 18

<210> SEQ ID NO 23
<211> LENGTH: 19
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer SNP_Mens1-F3nm

<400> SEQUENCE: 23

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Sequenzen_Anmeldung_CS_ST25.txt

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19

<210> SEQ ID NO 24

<211> LENGTH: 21

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Primer AMP_Mens2-q

<400> SEQUENCE: 24

ctgccatgtg atcaggaccc a

21

<210> SEQ ID NO 25

<211> LENGTH: 21

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Primer AMP_Mens2-r

<400> SEQUENCE: 25

gctgctgagg ctgaaggac a

21

<210> SEQ ID NO 26

<211> LENGTH: 26

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Primer SNP_Mens2-f

<400> SEQUENCE: 26

actaacttgt ttctacatga aaccac

26

<210> SEQ ID NO 27

<211> LENGTH: 26

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Primer AMP_Spei1-q

<400> SEQUENCE: 27

ctacagagat aagtatgaat gtgagg

26

<210> SEQ ID NO 28

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Sequenzen_Anmeldung_CS_ST25.txt

<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer AMP_Spei1-r

<400> SEQUENCE: 28

ctctggtggc ctggggccca 20

<210> SEQ ID NO 29
<211> LENGTH: 17
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer SNP_Spei1-Fm

<400> SEQUENCE: 29

ctttcacaac gctcacg 17

<210> SEQ ID NO 30
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer SNP_Spei1-Fnm

<400> SEQUENCE: 30

cttctttcac aacgctcacg t 21

<210> SEQ ID NO 31
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer AMP_Spei2-q

<400> SEQUENCE: 31

atttccccct tggcagacag 20

<210> SEQ ID NO 32
<211> LENGTH: 24
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer AMP_Spei2-r

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Sequenzen_Anmeldung_CS_ST25.txt

<400> SEQUENCE: 32

aaaaggaaag gcacccctgca agag 24

<210> SEQ ID NO 33

<211> LENGTH: 28

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Primer SNP_Spei2-3r

<400> SEQUENCE: 33

gagcaggcac actgtctcct gctctcct 28

<210> SEQ ID NO 34

<211> LENGTH: 20

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Primer AMP_Vag1-o

<400> SEQUENCE: 34

ggcacatgga cctgggcctg 20

<210> SEQ ID NO 35

<211> LENGTH: 28

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Primer AMP_Vag1-p

<400> SEQUENCE: 35

agttgctgag ggtgccactg gaagacat 28

<210> SEQ ID NO 36

<211> LENGTH: 29

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Primer SNP_Vag1-1r

<400> SEQUENCE: 36

tgattaaaaa aaaaatcatc aacataagc 29

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Sequenzen_Anmeldung_CS_ST25.txt

<210> SEQ ID NO 37
<211> LENGTH: 24
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer AMP_Vag2-NEWo

<400> SEQUENCE: 37

accaagaaga gtcccagggg acac 24

<210> SEQ ID NO 38
<211> LENGTH: 18
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer AMP_Vag2-p

<400> SEQUENCE: 38

tttccccccc ttcagagt 18

<210> SEQ ID NO 39
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer SNP_Vag2-1f

<400> SEQUENCE: 39

acacttgggc agagtcaccc tcttgcc 27

<210> SEQ ID NO 40
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer AMP_Sperm1-NEWq

<400> SEQUENCE: 40

catgcatggg gcttttcttc aggetgt 27

<210> SEQ ID NO 41
<211> LENGTH: 22
<212> TYPE: DNA
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<223> OTHER INFORMATION: Primer AMP_Sperm1-r

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Sequenzen_Anmeldung_CS_ST25.txt

<400> SEQUENCE: 41

aaaggcaagg gctagagccc ag 22

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<211> LENGTH: 24

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Primer SNP_Sperm1-4r

<400> SEQUENCE: 42

cttctccac atgtgaggaa agag 24

<210> SEQ ID NO 43

<211> LENGTH: 26

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Primer AMP_Sperm2-q

<400> SEQUENCE: 43

gctggaatct gaactgggaa ctgccc 26

<210> SEQ ID NO 44

<211> LENGTH: 26

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Primer AMP_Sperm2-NEWr

<400> SEQUENCE: 44

atagctctga gctgtcttg caggtg 26

<210> SEQ ID NO 45

<211> LENGTH: 17

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<223> OTHER INFORMATION: Primer SNP_Sperm2-3r

<400> SEQUENCE: 45

gtggggagct gggcttc 17

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Sequenzen_Anmeldung_CS_ST25.txt

<210> SEQ ID NO 46
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer AMP_Haut1-o

<400> SEQUENCE: 46

gaggggggcc atgatgctag 20

<210> SEQ ID NO 47
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer AMP_Haut1-p

<400> SEQUENCE: 47

taaagtctag caactgggtg gccaggc 27

<210> SEQ ID NO 48
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer SNP_Haut1-f

<400> SEQUENCE: 48

tgagcctgtt tggcttcaga gaa 23

<210> SEQ ID NO 49
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<223> OTHER INFORMATION: Primer SNP_Haut1-r2

<400> SEQUENCE: 49

cccaagggcc cctagaacac 20

<210> SEQ ID NO: 50
<211> 344

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Sequenzen_Anmeldung_CS_ST25.txt

<212> DNA

<213> Homo sapiens

<400> SEQUENCE 50

tgggttgttt tggaaataaa tatttttttag gggtagacga gttggggtat agttgttttag 60

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ggatcgtttt gtatttttta agtttgtatt ttttagttta gtattaggaa gagggtttt 180

aggaggggaga ggagtttagg gattgattta aggtgagttg aggggtgtag gagggttttt 240

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<210> SEQ ID NO: 51

<211> 232

<212> DNA

<213> Homo sapiens

<400> SEQUENCE 51

tataatttgt attagggaagaa tgaatgaattt gtatttttat atattatggg tattaatata 60

agatatggtt tcgtaagtag ttttgtaag aattaaagga acggaatttt tgtttttaag 120

tgtacggtta ggagtagcgt gtaattaag tgagtatttt ttcgtggttag aatttaggg 180

tatatgggat tagatttcgc gaggttggtta ttaggaaaag gaatgtgagg ga 232

<210> SEQ ID NO: 52

<211> 320

<212> DNA

<213> Homo sapiens

<400> SEQUENCE 52

gattaggttt agggaagttt ttatcgaggt tcggttttat tagtttttta ggggcgaaga 60

gtaggaatcg gagtattttg aagagcgcgg ttttttcgg ttttcgggt tgtggaggtt 120

gcgggttcgc gttgttttcg ggataggggc gtggcgtttg ttgttggttc ggttggttcgc 180

gttgatttgg ttgttttatt atcgttggcg ggtttggttg ttcggagatg cggtggtcgg 240

agtgatcgtg ggtatcgtgt acgtgtttta gggtagagagg tttaaatagt agtttgcgg 300

gagtataagt tttagagggt 320

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Sequenzen_Anmeldung_CS_ST25.txt

<210> SEQ ID NO: 53

<211> 291

<212> DNA

<213> Homo sapiens

<400> SEQUENCE 53

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gaaacaaccc gaaactctac gacctataat tactaactaa ctactacta acttatttct 120

acataaaacc acgaatcgta caaaattcta aaaaaacaaa aaaccgcgcg caccgcgcaa 180

cccctacgta aaaacgaaaa cctaaatcaa aactactaaa aaatcaccaa acataataaa 240

aaacctcacg aaccaaaccc tccctcgacc tacccttcaa acctcaacaa c 291

<210> SEQ ID NO: 54

<211> 211

<212> DNA

<213> Homo sapiens

<400> SEQUENCE 54

ctacaaaaat aaatataat ataaaacgat ttaacgtat ctaccgaacg caaaataaaa 60

aatcacttcc ttctttcaca acgtcacgt ccaaaactac ccgtatcaat ccaccaaaaa 120

acgtacctc accgaaaaaa aaaaacgata cgactcccat cacttaacta acgccaaccc 180

aataaaaaac gtaaacccca aaccaccaa a 211

<210> SEQ ID NO: 55

<211> 292

<212> DNA

<213> Homo sapiens

<400> SEQUENCE 55

atttccccct taacaacaa cttcgacttt actacgtcta aaatatatca cgaaaaata 60

aaaataaacc aaaaccaaac aaaaaaata acgaaaaaaa caaaaaacaa tatactact 120

cgatcccaa actctattta ctttatctac ttactaaaa aaaaccgata aaccaaacc 180

accgcacaca caaacccacc aaaaacaata ctatttcaa aaccttaact tttaaaacc 240

ctttattcca acgttaatat aaacgatact cttacaaaat accttccct tt 292

10_06_2014-01-00041-00000172

Sequenzen_Anmeldung_CS_ST25.txt

<210> SEQ ID NO: 56

<211> 272

<212> DNA

<213> Homo sapiens

<400> SEQUENCE 56

ggtatatgga ttgggttg cgggttttaa ttgcggcggt tatgtgatg atttttttt 60

taattatagt agtttttagt ttagcgggatt gatttatatt cggtatgtt aaatatgatt 120

acgtgggtcg cgcgattaat ggtggagggt gtagtttgcg aattagtcgg tggttcgggc 180

gtcggcgggg agttgttcgg cggcggatag tgtaatgtt ggtgggagt cgggacgttt 240

taaaatgttt ttagtggtta ttttagtaa tt 272

<210> SEQ ID NO: 57

<211> 188

<212> DNA

<213> Homo sapiens

<400> SEQUENCE 57

attaagaaga gtttagggg atattgggt agagtattt tttgttcga tgttttagt 60

tgttgaagtc gggtttgaa attcgtatg agttagttt cgttaattt gatttggtt 120

tgttgtagt ttcgttttc gttatcgaat attcgggtg ttattataat atttgaagg 180

gggggaaa 188

<210> SEQ ID NO: 58

<211> 217

<212> DNA

<213> Homo sapiens

<400> SEQUENCE 58

catacataaa actttcttc aaactattta aacaaccgaa aaaccgaacc acacccaaaa 60

aaattatttc acaacgtata ccgcaaaaac gcaaaaaccg cgctctttcc tcacataaa 120

aaaaaacgaa aaaaccgcca aaactaaac caaactctac ccactaaaat tccgcccggt 180

atcgccctcc gcctcctaaa ctctaaccct taccttt 217

10_06_2014-01-00041-00000173

Sequenzen_Anmeldung_CS_ST25.txt

<210> SEQ ID NO: 59

<211> 215

<212> DNA

<213> Homo sapiens

<400> SEQUENCE 59

actaaaatct aaactaaaaa ctacccaaac gctacctaataaataatcac aacacccgcc 60

tcgaactccc taataaaaaa aaacacaaca actctttacc taaaattcga aacccccatc 120

gacgctaaca cgaaaaccca actccccacc aacacaaaaa tcaaaaaaaaaa aaaaaaaaaa 180

aaataaaaac acctacaaa acaactcaa actat 215

<210> SEQ ID NO: 60

<211> 173

<212> DNA

<213> Homo sapiens

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