

SEQUENCE LISTING

<110> COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION

<120> METHOD OF AGEING FISH OR REPTILES

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<150> AU2020903422

<151> 2020-09-23

<150> AU2021900750

<151> 2021-03-16

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<170> PatentIn version 3.5

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gttccccgtg tgtccacgtg gggttctgcc gggtgcttca gtttcttccc accatccaaa	180
gacgtgctgg ttagatggat tggctacgcc tatattgccc cttagagtgt gcttatgtgc	240
atctgagtgt gtgccctgtg ataggctggc atcccatcct gggtgtaatg gccattgcct	300

<210> 203

<211> 300

<212> DNA

<213> Carcharodon carcharias

<400> 203
ataaatagaa taacagatac ccaggagaga cttacagact ggaatataat taagggtgtc 60
agggtggttt atatatagaa ttagagatag ctacagagtg gaatctaatac gagtgtttcg 120
cagtgtttat aaatggaata acagatacac gggagtgagt tacagactgg aatctgatcg 180
aggggttcgg ggtggtttat atatagaata acagatatcc tggcgtgagt taaaaacagg 240
aattttatcg aggttttcag gggctttata tataaaataa cagataccg ggagtgagtt 300

<210> 204
<211> 300
<212> DNA
<213> Carcharodon carcharias

<400> 204
ccaccattgg aacatccttc ctgcatctac cctgtctagt cctgttagaa ttttataggt 60
ttctatgagc tctctcctct tttcttctga ctccagtga tataatccta accaactcaa 120
tctcttctca tatgtcagtc ccaccatccc ggaatcagtc tggtaaacct tcgctgcact 180
ccctctatag caagaacatc cttcctcaga taaggagacc aaaactgcac ataatttcc 240
aggtgtggcc tcaccaaggc cctgtataat tgcagcaaga catccctgct cctgtactcg 300

<210> 205
<211> 300
<212> DNA
<213> Carcharodon carcharias

<400> 205
gcacactaag gggaaatata ctgtagctaa tccaactaac cagcacgtct ttggtcagtg 60
gaaggaaact ggagcacctg acagaaaccc aagcaaacac aagccgaacg tgtgatctcc 120
acacagacat ccgaggtcag aattgaaccc gggtccttgg agctgtgagg cagcagcact 180
aaccactgtg ccaccatgcc gccc aaaatt tataaacact aataaataga ttactaaaa 240
ttagaatgtt aaagttaatt ttattgcaga gttgatattc tccttaatga attgttatat 300

<210> 206
<211> 300
<212> DNA
<213> Carcharodon carcharias

<400> 206
acagggatgg ggagcaggaa cccgggctga ttacaccccc ctccctaacc caggggtcag 60
tggacagggg tggggagcag gaacccgggc tgattcacac cccctccct aaccagggg 120
tcagtggaca gggatgggga gcaggaaccc gggctgattc acccccctc cctaaccag 180
gggtcagtgg acagggactg ggagcaggaa cccgggctga ttacaccct ccctaacc 240
ggggtcagtg gacagggatg gggagcagga acccgggctg attcacacc cctccctaa 300

<210> 207
<211> 300
<212> DNA
<213> Carcharodon carcharias

<400> 207
caccgcccc ggacacggaa aggattgaca gattgatagc tctttctcga ttctgtgggt 60
ggtggtgcat ggccgttctt agttggtgga gcgatttgtc tggttaattc cgataacgaa 120
cgagactcct ccatgctaaa tagttacgcg acccccgagc ggtccgcgtc caacttctta 180
gagggacaag tggcgtacag ccacacgaga ttgagcaata acaggtctgt gatgccctta 240
gatgtccggg gctgcacgcg cgctacactg aatggatcag cgtgtgtcta cccttcgccg 300

<210> 208
<211> 300
<212> DNA
<213> Carcharodon carcharias

<400> 208
ttttatggcg tgccctgggca cgccggggcc ggccttcgg atggggcttc ccggcagatg 60
tcggcgagcg tggggtgcgg tccgtgcgcg gcttcctcgc gggaggatcc gaccgaaagc 120
tctgtacaac tcttagcggt ggatcactcg gctcgtcgt cgatgaagaa cgcagctagc 180
tgcgagaatt aatgtgaatt gcaggacaca ttgatcatcg acactttgaa cgcactttgc 240
ggccccgggt tcctcccggg gctacgcctg tctgagggtc gcttgacgat caatcgact 300

<210> 209
<211> 300
<212> DNA
<213> Carcharodon carcharias

<400> 209
caccgcccc ggacacggaa aggattgaca gattgatagc tctttctcga ttctgtgggt 60
ggtggtgcat ggccgttctt agttggtgga gcgatttgtc tggttaattc cgataacgaa 120
cgagactcct ccatgctaaa tagttacgcg acccccgagc ggtccgcgtc caacttctta 180
gagggacaag tggcgtacag ccacacgaga ttgagcaata acaggtctgt gatgccctta 240
gatgtccggg gctgcacgcg cgctacactg aatggatcag cgtgtgtcta cccttcgccg 300

<210> 210
<211> 300
<212> DNA
<213> Carcharodon carcharias

<400> 210
tccttttgtc ttcttagtct catgcactgc ccctttcatg agctacaagg actaccccct 60
ccccctcct ggctccagtt gttgactaca cccatgtttt gacaccgtgc tgcagtttcc 120
acacttgctc cctcacccta atctctctcc ggcgtgctca ctctctctct ttctcttctc 180
ttctctctct ctctttctct ctctctttcg ctctctcaga cattcttctg ttctctcttt 240
ttaagccatc tgctctctca ttacttacta ctttcttgca ctccctttgt ctcccttaca 300

<210> 211
<211> 300
<212> DNA
<213> Carcharodon carcharias

<400> 211

tatttacagg ggagtccttg gggagtgtgt cagtatttac aggggggtccc cggggagtgt	60
gtcagtatatt acaggggggt cccagggag tgtgtcagta ttacagggg tgtccccggg	120
ggagtgtgtc agtatttaca gggggaatcc ggggggagtg tgtcagtatt tacagggggg	180
ggtccccggg gagtgtgtca gtatttacag ggggtccccg ggagtgtgtc agtatttaca	240
gggggggtctc cggggagtga gtcagtatatt acaggggggtc cccagggagt gagttagtat	300

<210> 212
 <211> 300
 <212> DNA
 <213> Carcharodon carcharias

<400> 212	
cacggtgctc cgagtgtggt ctaaccgagg gggatacggg gaccggaact gtgcacggtg	60
ctccgagtgt ggtctaaccg aggggggatac ggagaccgga actgtgcacg gtgctccgag	120
tgtggtctaa ccgaggggga tacggagacc ggaactgtgc acggcgctcc gagtgtgggt	180
ctaaccgagg gatattggaga ccggaactgt gcacggtgct ccgagtgtgg gctaaccag	240
ggggatacgg agactgggac tgtgcacggt gctccgagtg tgggtctaacc gagggggata	300

<210> 213
 <211> 300
 <212> DNA
 <213> Carcharodon carcharias

<400> 213	
cggctctcta tcctcggtta gaccacactc ggagcaccgt gcacagttcc ggtctccgta	60
tccctcgatt gaccacactc ggagcaccgt gcacagttcc ggtctcttat ccctcggtta	120
gaccacactc ggagcaccgt gcacagttcc ggtctcccta tcctcggtt agaccacactc	180
ggagcaccgt gcacagttcc ggtctccgta tccctcggt tagaccacac tcggagcacc	240
gtgcacagtt cggctctcgt atccctcgat tagaccacac tcggagcacc gtgcacagtt	300

<210> 214
 <211> 300
 <212> DNA
 <213> Carcharodon carcharias

<400> 214	
tgctgtagag gctgctatgg gaagtgtcaa tgctgctgct atctcaaggc ggcatgtaga	60
tgggttagct taaaaaatac cataacttag ttattatctc agggctctggt caattgttct	120
caattttaaa tttctcacc tgggcagcac ggtgacacag tggttagcac tgctgcctca	180
gctccaggga cccgggttca atcctgacct ctggctctctg tctgtattta gagtctccat	240
gtctgcgtgg gcttctgccg ggtgctccga ttctcttttc cccccccac catccaaaga	300

<210> 215
 <211> 300
 <212> DNA
 <213> Carcharodon carcharias

<400> 215	
ttgtaggaca attttaccgt agccgatcca cctaaccagt atgtcttttg atggtgggag	60

gaaaccggag caccagtggt aaactcacgc agacacgggg agaattgtgca atctccacat	120
agacagacac ctgaggtcaa gatcaaacc ggggtgcctgg agctgtgagg cagcagcact	180
aaccactccg ccaccgtgct gcctcaagaa tcaatttatt gcaattatgg aagaacttgt	240
aatgtgcaat ggatttaaca ttttgtctga aatcaagaag cgagatggta ttaatgatgg	300

<210> 216
 <211> 300
 <212> DNA
 <213> Carcharodon carcharias

<400> 216	
gtcagtattt acaggggggtc cccggggagt gtgtcagtat ttacaggggg accaggggag	60
tgtgtcagta tttacagggg attacttgggt agtgtgtcag tatttacagt ggggtcccggg	120
ggagtgtgtc agtattttaca ggggggtcccc ggggagtggt tcagtattta caggggggtcc	180
ccggggagtg tgtcagtatt tacaggggggt accgaggagt gtgtcagtat ttacaggggg	240
tccccgggga gtgtgtcagt atttacaggg ggtcccgggg agtgtgtcag tatttacagg	300

<210> 217
 <211> 300
 <212> DNA
 <213> Carcharodon carcharias

<400> 217	
tcagtattta cagtgtttcc ccggtgagtg tgtcagtatt tacagtgttt ccccggggag	60
tgtgtcagta tttacagggg gtccccgggc agtgtgtcag tatttacagt gtttccccgg	120
tgagtgtgtc agtattttaca gtgtttcccc ggggagtggt tcagtattta cagtgtttcc	180
ccggtgagtg tgtcagtatt tacagtgttt ccccggggag tgtgtcagta tttacagggg	240
gtccccgggg agtgtgtcag tatttacagg ggagtccttg gggagtggtg cagtatttac	300

<210> 218
 <211> 300
 <212> DNA
 <213> Carcharodon carcharias

<400> 218	
catgaggacc ctacaaagag gttctgggaa ctgggtcatag ttgcgaccac actaaaaaat	60
tgtactgtac agataggttag gtagaaaggt gggcaggttag gtgggtagat aggaaggttag	120
atagataagt aggtaggcag ccagataggc ggatagatag gtaagcaggt aggcaggcag	180
gttgatgggt agagaggcag cgaggtagtt ttataggcag ggtgggcagg tgggcaggta	240
ggtgggtagg taggtaggta ggtagataag taggcaggtt ggtaggcagg caagtaggca	300

<210> 219
 <211> 300
 <212> DNA
 <213> Carcharodon carcharias

<400> 219	
caagatgtta actcttcttg tgatacatth ccacaagtgg tgccaactcc acagcacttt	60

gcctaagtgg ccattcttca tttctgagac tgacactaag agttgacaaa ttattgaatt	120
gtgaaaggtg atacaactga gtcctatccc gggttcactc tctgtccaca tatcgatact	180
ttcaagcaag attcacaaat tagtgagcag gaactgggac catgactgag atctagcttg	240
tcaaaagtac ttagaccaac ttttgggcct gagtgagatc agttggttca gtgcaggcca	300

<210> 220
 <211> 300
 <212> DNA
 <213> Carcharodon carcharias

<400> 220	
gagataattg atgaacaaat caaagttaga gatgatgaag cctctggccc tttcagattg	60
cttccggcaa tttaaaagaa gttgatggca acttctgtgt ggagtttgca tattctcccc	120
atgtctgcgt gggtttctgc cagggtgcttc ggtttcctcc caccatccaa agacgtgctg	180
gttaggtgga ttggctacga taaattgtct cctagtgtgt gcgtgtctgc gtgtgtatgt	240
gtgagtatgt gccctgtgat ggactgatgt cctgtcttgg gtgtaccctg cctagcacc	300

<210> 221
 <211> 300
 <212> DNA
 <213> Carcharodon carcharias

<400> 221	
gagggcagag atggacaaga tgggctcatg gttcacgaat tacaaaaaac tcaaacacaa	60
gcatgaaata acagataccg gggagtgagt tacagactgg aatctaatacg aaagggttcgg	120
ggtgggtttat atatagaatt acagataccc gggaatgagt tacagactgg aatctgatcg	180
aggggttcgg ggtgggtttat atatagaata acagataccc gggagtgagt tacagactgg	240
aatctaattg aagggttttag ggggtggggtt taaacgtaga atagcatgat aacaactgag	300

<210> 222
 <211> 300
 <212> DNA
 <213> Carcharodon carcharias

<400> 222	
tgtgacaccc ggtcccagag ggggaaagga cagtgtatct aaagccctgt gtacctggtc	60
ccagaggggg aaaggacagt gtatctaacg cactgtgaca cctggtccga gagggggaaa	120
ggacagtgt tctaacgcac tgtgacaccc ggtcccagag ggggaaagga cagtgtatcg	180
aacgcactgt gacacccggt cccagagggg gaaaggacag tgtatctaac gcaatgttac	240
aaccggtccc agtgggggaa aggacagtgt atctaacgca ctgtgacacc cggtcccaga	300

<210> 223
 <211> 300
 <212> DNA
 <213> Carcharodon carcharias

<400> 223	
tgcctttttt ccagcgagta gaagaagggg gagccgcggt ccatctcctt gaggaaccgg	60
atccgcgacc tcacgaacgc gccccgagac ccgaccagtt gcaggtcccc cagcgcgccc	120

ttcttctcat cgtacaccga ccgcagggcc ggggccggt cgggctgacc gagacgtgcc	180
tccaggtcga gcacctcctt ctccaactcc tcgaccctgg atttgcgtcg ctttgtcgac	240
cccctcacgt actcctgaca gaaaactcgg acgtgagtct tgcccacgtc ccaccagagc	300

<210> 224
 <211> 300
 <212> DNA
 <213> *Carcharodon carcharias*

<400> 224	
cccggaatgt gtcagtatth acaggggtcc ccgggagtgt gtcagtatth acaggggtcc	60
cgaagtgagt cagtatthac agggthtccc cgggagtgtg tcagtatth cagggtcccc	120
gggagtgtgt cagtattaca ggggttcccc ggggggagtg tgtcagtatt tacaggggt	180
ccccgggagt gtgtcagtat ttacaggggt tcccgggagg tgtcagtatt tacaggggt	240
ccccgggagtg tgtcagtatt tacaggggt ccccgggagt gtcagtatth acaggggtcc	300

<210> 225
 <211> 40
 <212> DNA
 <213> *Neoceratodus forsteri*

<400> 225	
gacatggttc tacatgttta ttaatgaagt gttatthgtg	40

<210> 226
 <211> 37
 <212> DNA
 <213> *Neoceratodus forsteri*

<220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

<400> 226	
gacatggttc tacagngtt taaaatagat aatagtg	37

<210> 227
 <211> 35
 <212> DNA
 <213> *Neoceratodus forsteri*

<400> 227	
cagagacttg gtctcttatt ttatccatcc ccctc	35

<210> 228
 <211> 39
 <212> DNA
 <213> *Neoceratodus forsteri*

<400> 228	
gacatggttc tacaatggtg tttaaaatag ataatagtg	39

<210> 229
 <211> 47

<212> DNA
 <213> Neoceratodus forsteri

 <400> 229
 cagagacttg gtcttcaatc ttaatTTTTT ttattccttt tttttcc 47

 <210> 230
 <211> 32
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 230
 cagagacttg gtctccatt ctcaaacctc cc 32

 <210> 231
 <211> 35
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> n is a, c, g, or t

 <400> 231
 gacatggttc tacacattac ntatccttcc cttat 35

 <210> 232
 <211> 45
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 232
 gacatggttc tacaatcaaa attctaatta ctaacttatc taatc 45

 <210> 233
 <211> 37
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

 <400> 233
 gacatggttc tacatngtt tatTTTgagt atgtgtg 37

 <210> 234
 <211> 35
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 234
 cagagacttg gtctccttat actaaaactc cctcc 35

 <210> 235
 <211> 45
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (19)..(19)
 <223> n is a, c, g, or t

 <400> 235
 gacatggttc tacaatgang gtaattgttt attataaaat gtgaa 45

 <210> 236
 <211> 33
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 236
 gacatggttc tacaaccca catctaattc tcc 33

 <210> 237
 <211> 39
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 237
 gacatggttc tacataaatt attttttggt agtaggtgg 39

 <210> 238
 <211> 37
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

 <400> 238
 gacatggttc tacagttinga tatttggtta ttgtag 37

 <210> 239
 <211> 35
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (19)..(19)
 <223> n is a, c, g, or t

 <400> 239
 gacatggttc tacatatng gtggtttag gatga 35

 <210> 240
 <211> 35
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> n is a, c, g, or t

<400> 240
 cagagacttg gtctcattac ntatccttcc cttat 35

<210> 241
 <211> 45
 <212> DNA
 <213> Neoceratodus forsteri

<400> 241
 cagagacttg gtctctctaa aatctaattt aacattttac taatc 45

<210> 242
 <211> 40
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

<400> 242
 gacatgggttc tacagtngga ataatatattt tatttttgtg 40

<210> 243
 <211> 47
 <212> DNA
 <213> Neoceratodus forsteri

<400> 243
 cagagacttg gtctttatta agtttaatag tgtttaattt gtgaatt 47

<210> 244
 <211> 39
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

<400> 244
 cagagacttg gtctcnaaat acattattct acttatacc 39

<210> 245
 <211> 37
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

<400> 245
 gacatgggttc tacaggngtt taaaatagat aatagtg 37

<210> 246
 <211> 39

<212> DNA
 <213> Neoceratodus forsteri

 <400> 246
 gacatggttc tacaatcata taacactcaa tcatattac 39

 <210> 247
 <211> 35
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n is a, c, g, or t

 <400> 247
 cagagacttg gtctnggatg tgatgtattt tagtg 35

 <210> 248
 <211> 37
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n is a, c, g, or t

 <400> 248
 gacatggttc tacaaatccn aataccaatt aatttcc 37

 <210> 249
 <211> 50
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 249
 gacatggttc tacaatttat tataatttat tattagtgtt taatttgtga 50

 <210> 250
 <211> 34
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 250
 cagagacttg gtcttcattt taccaatccc cctc 34

 <210> 251
 <211> 33
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

 <400> 251
 gacatggttc tacatcnaaa ctccactcaa ctc 33

<210> 252
 <211> 35
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (19)..(19)
 <223> n is a, c, g, or t

 <400> 252
 gacatggttc tacaacnt ataccttcc cttat 35

 <210> 253
 <211> 32
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

 <400> 253
 cagagacttg gtctcctct actacccct tc 32

 <210> 254
 <211> 35
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

 <400> 254
 cagagacttg gtctcctcat tatatccttc cctta 35

 <210> 255
 <211> 37
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 255
 gacatggttc tacatagatt ggtatagatt gatgtga 37

 <210> 256
 <211> 35
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> n is a, c, g, or t

 <400> 256
 gacatggttc tacacattac ntatccttcc cttat 35

<210> 257
 <211> 35
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (24)..(24)
 <223> n is a, c, g, or t

<400> 257
 gacatggttc tacatatcat tacntatcct tccct 35

<210> 258
 <211> 37
 <212> DNA
 <213> Neoceratodus forsteri

<400> 258
 gacatggttc tacattgagt agttttttta gatgtgg 37

<210> 259
 <211> 39
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> n is a, c, g, or t

<400> 259
 gacatggttc tacatTTTTT ngtatgtttt ggtatgttt 39

<210> 260
 <211> 45
 <212> DNA
 <213> Neoceratodus forsteri

<400> 260
 gacatggttc tacataatta aattcctctc ctaaaaaaat ctaca 45

<210> 261
 <211> 34
 <212> DNA
 <213> Neoceratodus forsteri

<400> 261
 cagagacttg gtctctcatc tatccaacat ctcc 34

<210> 262
 <211> 45
 <212> DNA
 <213> Neoceratodus forsteri

<400> 262
 cagagacttg gtctcaaaaa acctttccaa aaaaaaata taatc 45

<210> 263
 <211> 35

<212> DNA
 <213> Neoceratodus forsteri

 <400> 263
 cagagacttg gtctcttatt catcaaacc ctatc 35

 <210> 264
 <211> 47
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 264
 cagagacttg gtctaagata taaattaaat taaagttgta agtagtg 47

 <210> 265
 <211> 40
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 265
 gacatggttc tacaaatggt gtttaaaata gataatagtg 40

 <210> 266
 <211> 39
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 266
 gacatggttc tacaattgtg ggattataat gtttagtat 39

 <210> 267
 <211> 45
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 267
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 <213> Neoceratodus forsteri

 <400> 268
 cagagacttg gtctatatta atatattatt tatttataat taatagaaga aa 52

 <210> 269
 <211> 37
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 <400> 269
 cagagacttg gtctcaaatt tataccaaac ttcctcc 37

 <210> 270
 <211> 47
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 <213> Neoceratodus forsteri

 <400> 270
 gacatggttc tacaaattta gttatataat gttttatgtg tttgaaa 47

<210> 271
 <211> 40
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (24)..(24)
 <223> n is a, c, g, or t

 <400> 271
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 <210> 272
 <211> 37
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 272
 cagagacttg gtcttttata ccaaacttcc ttctatc 37

 <210> 273
 <211> 35
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 273
 cagagacttg gtctctcatt ttactaatcc ccctc 35

 <210> 274
 <211> 37
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

 <400> 274
 gacatggttc tacaatgngg aataattgat attagtg 37

 <210> 275
 <211> 39
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 275
 cagagacttg gtcttaaatt attttttggt agtaggtgg 39

 <210> 276
 <211> 37
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

<400> 276
 gacatggttc tacagngaatt ggttttgatt attagtg 37

<210> 277
 <211> 47
 <212> DNA
 <213> Neoceratodus forsteri

<400> 277
 cagagacttg gtctaaataa aatgaataat agtgaaatat tgtgaaa 47

<210> 278
 <211> 47
 <212> DNA
 <213> Neoceratodus forsteri

<400> 278
 gacatggttc tacaaaattta gttatataat gtttgaattg tttgaaa 47

<210> 279
 <211> 47
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

<400> 279
 gacatggttc tacagtnggt ttatttttta ttatataatt tggtggt 47

<210> 280
 <211> 37
 <212> DNA
 <213> Neoceratodus forsteri

<220>
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 <222> (21)..(21)
 <223> n is a, c, g, or t

<400> 280
 cagagacttg gtctctaacc naaaatattc aactaca 37

<210> 281
 <211> 35
 <212> DNA
 <213> Neoceratodus forsteri

<220>
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 <222> (22)..(22)
 <223> n is a, c, g, or t

<400> 281
 cagagacttg gtctcttatt cntcaaacc ctatc 35

<210> 282
 <211> 34

<212> DNA
 <213> Neoceratodus forsteri

 <400> 282
 gacatggttc tacaggatga aagtgaagag tagg 34

 <210> 283
 <211> 34
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
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 <222> (21)..(21)
 <223> n is a, c, g, or t

 <400> 283
 cagagacttg gtctctattc ntcaaaccct tatc 34

 <210> 284
 <211> 33
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 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (19)..(19)
 <223> n is a, c, g, or t

 <400> 284
 gacatggttc tacaggatng gtaaaatgag gtg 33

 <210> 285
 <211> 33
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 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n is a, c, g, or t

 <400> 285
 gacatggttc tacangttgg ttagtgattg gtg 33

 <210> 286
 <211> 37
 <212> DNA
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 <220>
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 <222> (17)..(17)
 <223> n is a, c, g, or t

 <400> 286
 cagagacttg gtctggngtt taaaatagat aatagtg 37

 <210> 287
 <211> 35

<212> DNA
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 <400> 287
 cagagacttg gtctgtgaat gttttagtgt gtgtg 35

 <210> 288
 <211> 49
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 288
 cagagacttg gtctacaaat aatataaaaa tcaaaaattt aacttaatc 49

 <210> 289
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 <213> Neoceratodus forsteri

 <400> 289
 gacatgggttc tacagtttgt attattttga gtgtgtg 37

 <210> 290
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 <212> DNA
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 <400> 290
 cagagacttg gtctcattta cccaattctc aattcc 36

 <210> 291
 <211> 33
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 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (19)..(19)
 <223> n is a, c, g, or t

 <400> 291
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 <210> 292
 <211> 37
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

 <400> 292
 cagagacttg gtctcnctat aaaacaaaaa atccttc 37

 <210> 293
 <211> 49
 <212> DNA
 <213> Neoceratodus forsteri

<400> 293
 cagagacttg gtctatacaa ttattcattt attacattta ataacaact 49

<210> 294
 <211> 45
 <212> DNA
 <213> Neoceratodus forsteri

<400> 294
 cagagacttg gtctatctac ataccaatat taaattacaa tcata 45

<210> 295
 <211> 40
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (25)..(25)
 <223> n is a, c, g, or t

<400> 295
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<210> 296
 <211> 33
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

<400> 296
 gacatggttc tacagnggat gaaagtgagt agg 33

<210> 297
 <211> 35
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> n is a, c, g, or t

<400> 297
 cagagacttg gtctcattac ntatccttcc cttat 35

<210> 298
 <211> 30
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

<400> 298
 gacatggttc tacacnactc cccaaccctc 30

<210> 299
 <211> 35
 <212> DNA
 <213> Neoceratodus forsteri

<220>
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 <222> (21)..(21)
 <223> n is a, c, g, or t

<400> 299
 gacatggttc tacagtgatg ngtaagaaat tagtg 35

<210> 300
 <211> 36
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (23)..(23)
 <223> n is a, c, g, or t

<400> 300
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<210> 301
 <211> 39
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (25)..(25)
 <223> n is a, c, g, or t

<400> 301
 cagagacttg gtcttatatt ggatngtttt aaagaatag 39

<210> 302
 <211> 49
 <212> DNA
 <213> Neoceratodus forsteri

<400> 302
 gacatggttc tacaataaaa aaaaaatatt aattttacta ctcatttat 49

<210> 303
 <211> 50
 <212> DNA
 <213> Neoceratodus forsteri

<400> 303
 cagagacttg gtcttattat ttatattatg tatttaaata tatagaagt 50

<210> 304
 <211> 33

<212> DNA
 <213> Neoceratodus forsteri

 <400> 304
 cagagacttg gtctttccat aactcctcaa ccc 33

 <210> 305
 <211> 37
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

 <400> 305
 gacatggttc tacattgngg ataaagaata aaagtga 37

 <210> 306
 <211> 49
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 306
 cagagacttg gtcttttatt tgtttttatt attatattgg atttaaagt 49

 <210> 307
 <211> 39
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 307
 cagagacttg gtctatggtg tttaaaatag ataatagtg 39

 <210> 308
 <211> 37
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> n is a, c, g, or t

 <400> 308
 gacatggttc tacattatntt ngaatagtag aagtgtg 37

 <210> 309
 <211> 39
 <212> DNA
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 <400> 309
 gacatggttc tacagtgttg tttaaaatag ataatagtg 39

 <210> 310
 <211> 47
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

 <400> 310
 cagagacttg gtctacnctt caaataaaaa aaaaaataaa aaaactc 47

 <210> 311
 <211> 39
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 311
 cagagacttg gtcttggtta tgttggtgtt tatagtga 39

 <210> 312
 <211> 45
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 312
 cagagacttg gtctttatatt ttgtgtttat gttgttggtt atagt 45

 <210> 313
 <211> 37
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 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (25)..(25)
 <223> n is a, c, g, or t

 <400> 313
 cagagacttg gtctcattaa tcacnaaata catacct 37

 <210> 314
 <211> 39
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n is a, c, g, or t

 <400> 314
 cagagacttg gtctaataaa cntaacaaaa taactcaac 39

 <210> 315
 <211> 47
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (23)..(23)
 <223> n is a, c, g, or t

<400> 315
 cagagacttg gtctttttaa gtngatatat atataaaatt tgagaaa 47

<210> 316
 <211> 39
 <212> DNA
 <213> Neoceratodus forsteri

<400> 316
 gacatggttc tacaagtagt attggattta tagtagaaa 39

<210> 317
 <211> 36
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (19)..(19)
 <223> n is a, c, g, or t

<400> 317
 gacatggttc tacatatng tttgtgttg tgtgtg 36

<210> 318
 <211> 37
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

<400> 318
 gacatggttc tacaggngtt taaaatagat aatagtg 37

<210> 319
 <211> 49
 <212> DNA
 <213> Neoceratodus forsteri

<400> 319
 gacatggttc tacattttat ctttatcaac ttaaattatt attatccat 49

<210> 320
 <211> 35
 <212> DNA
 <213> Neoceratodus forsteri

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> n is a, c, g, or t

<400> 320
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<210> 321
 <211> 37

<212> DNA
 <213> Neoceratodus forsteri

 <400> 321
 cagagacttg gtctacctca aatattaaat caaccca 37

 <210> 322
 <211> 37
 <212> DNA
 <213> Neoceratodus forsteri

 <220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n is a, c, g, or t

 <400> 322
 cagagacttg gtctaaaacn aaacaaatca aaaccct 37

 <210> 323
 <211> 40
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 323
 gacatggttc tacaatcttc caattaaaaa aatatctctc 40

 <210> 324
 <211> 47
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 324
 gacatggttc tacaatttta gttatataat gttttatgtg ttgaaa 47

 <210> 325
 <211> 35
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 325
 cagagacttg gtcttatacc aaacttcctc ctatc 35

 <210> 326
 <211> 47
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 326
 gacatggttc tacaagggtt ttagatgat aaaatttaatt ttgggtg 47

 <210> 327
 <211> 49
 <212> DNA
 <213> Neoceratodus forsteri

 <400> 327
 gacatggttc tacaataatt tagttatata atgttttatt tgtttgaaa 49

 <210> 328
 <211> 35

<212> DNA
 <213> Neoceratodus forsteri

<220>
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 <222> (22)..(22)
 <223> n is a, c, g, or t

<400> 328
 gacatggttc tacattgtaa angatagaga gtagg 35

<210> 329
 <211> 52
 <212> DNA
 <213> Neoceratodus forsteri

<400> 329
 cagagacttg gtctataaat atattaaaat ttaatctata ataataacct cc 52

<210> 330
 <211> 34
 <212> DNA
 <213> Neoceratodus forsteri

<400> 330
 gacatggttc tacacacaat ctccacacaa tctc 34

<210> 331
 <211> 33
 <212> DNA
 <213> Neoceratodus forsteri

<400> 331
 cagagacttg gtctaaaacc tcccctaatt ccc 33

<210> 332
 <211> 39
 <212> DNA
 <213> Neoceratodus forsteri

<400> 332
 gacatggttc tacaacatca aatacaaatt ttataacc 39

<210> 333
 <211> 47
 <212> DNA
 <213> Neoceratodus forsteri

<400> 333
 cagagacttg gtctttataa aactaaatta taaaccaaac taccttc 47

<210> 334
 <211> 39
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 <213> Neoceratodus forsteri

<400> 334
 cagagacttg gtctttaaac tcaaaacttc taaactaca 39

<210> 335
 <211> 125

<212> DNA
 <213> Neoceratodus forsteri

<400> 335
 tgtctactaa tgaagtgtta cctgtgggcg cgagggtggt gggggccctg agcgggtcta 60
 tctccccggg gatgcagagc tcgggtccgt cggtaaaccg gctgcagttg aacatctccg 120
 gccag 125

<210> 336
 <211> 129
 <212> DNA
 <213> Neoceratodus forsteri

<400> 336
 ctaaaacaga caatagtgc aacaacgctt tcatttcggt gtccatgttg ttgtttacag 60
 tactgtcttc cggtagcgtt aaagccatgt gttatagtca tgtgatagg gcttgacgaa 120
 taagggaag 129

<210> 337
 <211> 128
 <212> DNA
 <213> Neoceratodus forsteri

<400> 337
 cttattttat ccatccccct cctcaactct ctttctgccc tgtccgctgt tcactttcac 60
 tttcttccgc gactcccat ccctctttac tttcgtctgc aacaaccccc tgctcttcac 120
 tttcatcc 128

<210> 338
 <211> 142
 <212> DNA
 <213> Neoceratodus forsteri

<400> 338
 cctaaaacag acaatagtgc aaacaacgct cccatttctg tgcccatgtt attgtttaca 60
 gtgaaggctg gtctgctgtc ttccggtagc gttaaagtca tgtgttatag tcatgtgata 120
 ggggcttgac gaatagggaag ag 142

<210> 339
 <211> 146
 <212> DNA
 <213> Neoceratodus forsteri

<400> 339
 gtgccggaac atgccagatc tggaacctct gaaatctgat ccggcacctc attttaccga 60
 tcccccttct aaatcacctt cttccccgt ccactttcac tttcttctgc gactcccaa 120
 cccgctgttg tccgagacaa ccccc 146

<210> 340
 <211> 147
 <212> DNA
 <213> Neoceratodus forsteri

<400> 340

cccatttctca caactcccac ccagtcggtt cacttttcggt tgtgacacag caaccctctg	60
gcctccccac cgctcttcac tttcgtccat gaaagccacc acccccgct cttcaccttc	120
gtctatgaca ccaatcactg gccaacg	147
<210> 341	
<211> 148	
<212> DNA	
<213> Neoceratodus forsteri	
<400> 341	
acacatggct ttatcgctac cggaagacag tactgtaaac aacaacatgg acacagaaat	60
gggagcggtt tttgcactat tgtctgtttt aggcgccatt gtgcagttat tcatttgata	120
catttagtaa caacttgacc tccttgtc	148
<210> 342	
<211> 142	
<212> DNA	
<213> Neoceratodus forsteri	
<400> 342	
gtcagagttc tggttgctgg ctgtctggt cagtcagcg ctgccgactg aagcttcac	60
ctccctcctc ttcttcacg ccatggagac ctgccatcat cataacgcat tagcaactac	120
acacacacac taaaacattc ac	142
<210> 343	
<211> 141	
<212> DNA	
<213> Neoceratodus forsteri	
<400> 343	
ctcgtcact ctgagcatgt gtgcagatct gacggtaag tctttttttt cttcatttat	60
tcccaaatac ttacagccat taaagatacc actctgtcac cacgaagacc aagtcaaatt	120
cctgattttt atactatctg t	141
<210> 344	
<211> 149	
<212> DNA	
<213> Neoceratodus forsteri	
<400> 344	
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ctgaagtttg agagccgtgt tgagtccgtc attacttgtt tcagtgtttc ctccacacac	120
tcagagtaat gcagacctga ccatcaaaa	149
<210> 345	
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<212> DNA	
<213> Neoceratodus forsteri	
<400> 345	
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tgatattaac aatgacttca tgtgtcata aacattcaaa ctcattaacg taacatggga	120

actgagaatt gggtaaatg 139

<210> 346
 <211> 142
 <212> DNA
 <213> Neoceratodus forsteri

<400> 346
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 ctgcaccaca cagacacgtt cc 142

<210> 347
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 <212> DNA
 <213> Neoceratodus forsteri

<400> 347
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 ttgagttaga aggacttcct gttccatagc g 151

<210> 348
 <211> 137
 <212> DNA
 <213> Neoceratodus forsteri

<400> 348
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 caaatgaaca actgcac 137

<210> 349
 <211> 152
 <212> DNA
 <213> Neoceratodus forsteri

<400> 349
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 gtatgactgt aactcaatat tggatatgtag at 152

<210> 350
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 <212> DNA
 <213> Neoceratodus forsteri

<400> 350
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 aagagcgttg ttgacac 137

<210> 351

<211> 126
 <212> DNA
 <213> Neoceratodus forsteri

<400> 351
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<210> 352
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<400> 352
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 gcccacatca ggtagcg 137

<210> 353
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 <213> Neoceratodus forsteri

<400> 353
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 aagtga 127

<210> 354
 <211> 132
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 <213> Neoceratodus forsteri

<400> 354
 cgaagtacat tattctgctt ataccacagt tcccacagct aaatccactg ttcagatgtt 60
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<210> 355
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 <213> Neoceratodus forsteri

<400> 355
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 acgaataagg gaaggatac 139

<210> 356
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<400> 356
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aaagcgggcc agtata 136

<210> 357
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<400> 357
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tttactgggtt attgtttata tcagaaaaag tctatattaa aataaaacat ttctattcat 120
aaatgagtag taaaactaat attttttttt tat 153

<210> 358
<211> 143
<212> DNA
<213> Neoceratodus forsteri

<400> 358
agtccggata ccaattaatt tcctatgacg gtcacttttg accgggaaca ccacaggtgt 60
aacaagttg attaaaacac tcaaaattca atgaaagaga tgataatcac ttctatatat 120
ttaggtgcat aatgtggatg atg 143

<210> 359
<211> 146
<212> DNA
<213> Neoceratodus forsteri

<400> 359
attcattata actcattacc agtgcttaatt ttgtgaattg cgaggtcccg gaacagatcg 60
gggtaacaag gacgtggacg aaggacgaaa gggaagagca gaggtttgtc gcggacaaaa 120
gtaaagaggg ttgaggagtc atggaa 146

<210> 360
<211> 138
<212> DNA
<213> Neoceratodus forsteri

<400> 360
tcattttacc aatccccctc ttcaaccgcc cttctcccct gtccgctgtt tactttccct 60
ttcttctgcg actccccaac cctcttcact tttttccacg acaaccttcc gctcttcact 120
tttattcttt gtccgcaa 138

<210> 361
<211> 147
<212> DNA
<213> Neoceratodus forsteri

<400> 361
aataataaga gcaagtggat ttttaaaaat ctttataaaa agaacaaaca aaaacatatt 60
cagccccctt ttttatattt attatctaaa ttttattttt ttcaatgggt tccagatctt 120

atttcaatct caataaatat agatttt 147

<210> 362
 <211> 153
 <212> DNA
 <213> Neoceratodus forsteri

<400> 362
 cccttattcg tcaaggccct attacttgac taaaaataaa ttactttaat gctggaagac 60
 agaccagcct tcaactgtaaa caacaacaca gacacagaaa tgggagcttg tttgcactat 120
 tgtctgtttt aggcaccatt gtgaatgtat tca 153

<210> 363
 <211> 153
 <212> DNA
 <213> Neoceratodus forsteri

<400> 363
 cgctctgctg cccctttcac gacagtcccg ttatcgggtg tcaggacaac agcccgttct 60
 gtgcgcgggc acgtatcaca aaagaccgcc aagcgtgtgc ccgagaacac caaaagagca 120
 cgcgcacaga cacacttctg ctgttcggaa tga 153

<210> 364
 <211> 148
 <212> DNA
 <213> Neoceratodus forsteri

<400> 364
 gcttcaacgc taccgggaga cagcactgta aacaacaaca tgggcacaga aaagggatcg 60
 ttgtttgcac tattgtctgt ttaggcagc acagttattc atttgttacg tttagtaaca 120
 actcgtcctc gtcgtctgtc cacaaaaa 148

<210> 365
 <211> 130
 <212> DNA
 <213> Neoceratodus forsteri

<400> 365
 cagactggta cagactgatg tgacttgagt ggggtggggg tgttttattt ctacatatat 60
 acgccttttt ttaggtgagg gaatggaagt tttgagagag ttccccact tttccccca 120
 cttgaagcgc 130

<210> 366
 <211> 133
 <212> DNA
 <213> Neoceratodus forsteri

<400> 366
 cattgcgtat ccttccctta ttcgtcatct ataccctat aaccacgtac ccctatcaca 60
 tgactataac acatggcttt aacgctaccg gaagacagca gaccagcctt cactgtaaac 120
 aacaacatgg aca 133

<210> 367
 <211> 125
 <212> DNA
 <213> *Neoceratodus forsteri*

<400> 367
 tgtcattgcg tatccttccc ttattcgtca agcccatatc acatgactat aacacatggc 60
 tttaatgcta ccggaagaca gcagaccagc cttcactgta aacaacaaca tggacacaga 120
 aatgg 125

<210> 368
 <211> 129
 <212> DNA
 <213> *Neoceratodus forsteri*

<400> 368
 ctgagtagct ttctcagatg tgggcataac ttatgttcgc tcatttaata tgttacgtgt 60
 cgccagatgg ttttactcac tcgtttccag tggtttttgg attgccaggt atgtattccg 120
 tgatcaatg 129

<210> 369
 <211> 128
 <212> DNA
 <213> *Neoceratodus forsteri*

<400> 369
 ctttttcgta tgttttggca tgtttgaggt gtgtgccgat tttcttgcat gtgcgtgatt 60
 cgtggatcgg gggcttgtcc ggtaatttt tctaggtggc gctgttgagt ctttttgcca 120
 cgcccatt 128

<210> 370
 <211> 131
 <212> DNA
 <213> *Neoceratodus forsteri*

<400> 370
 tgattaaatt cctctcctga agaaatctac attgcaatat tgagtcacgg tcatagcgcc 60
 acctgctgac agaaggaagt ttggcataaa tctgtgattt tctcaggttt tatatatatg 120
 tcggcttaag a 131

<210> 371
 <211> 127
 <212> DNA
 <213> *Neoceratodus forsteri*

<400> 371
 ctcatctgtc cagcatctcc agaaccagcg acaaacacag agaaacggca gcgctctggc 60
 tgtcagagct ggtggaggag cccgtcatgt ccagcacatg tgtttctgct gtggatccag 120
 tactgct 127

<210> 372
 <211> 125
 <212> DNA
 <213> *Neoceratodus forsteri*

<400> 372
 caagaggcct ttccaaaaaa aaaatgtaat catattaatc cgcatgtagc ttacatcagc 60
 acacaaacac aacacaaacg tcctcttttt tgatgcgcgc acacacacac aagcaciaac 120
 gagtg 125

<210> 373
 <211> 141
 <212> DNA
 <213> Neoceratodus forsteri

<400> 373
 actattgtct gttttaggcg ccattgtgca gttattcatt tgttacgttt agtaacaact 60
 cgaccacgtc gtctgtccac aaaaatacct cttctgcttt ctctgccatc gtgttcattg 120
 ttccaccggc gtttgttgac t 141

<210> 374
 <211> 129
 <212> DNA
 <213> Neoceratodus forsteri

<400> 374
 aagatacaaa ctaaattaaa gctgcaagca gtgatgaaag ggatctcgaa cccgggctca 60
 ccgctgcctt gtggccttag gatgacaaag cacaatggac aataataatt taagctgata 120
 aagataaaa 129

<210> 375
 <211> 148
 <212> DNA
 <213> Neoceratodus forsteri

<400> 375
 aatgacacaa aagccccaat caagtagcga atcgcggcgg cccgcctcc gttttcagat 60
 gtctctgttt tttcctcatc cacactgaaa cggagcagca gcgttttaga atgaaaacgg 120
 cctctccagc gtttttgaaa cgctccgt 148

<210> 376
 <211> 131
 <212> DNA
 <213> Neoceratodus forsteri

<400> 376
 actgtgggat tataatgctt agtatgactg aattcaacca atcgctccat ctgtgatgat 60
 aatctgcgat tttatcaata gaccggaggc cagactgaga gagatatgtg gggtgactta 120
 atatttgagg t 131

<210> 377
 <211> 146
 <212> DNA
 <213> Neoceratodus forsteri

<400> 377
 aattatttat tcagtgatgg taagtaaaag tttgttttaa ataaaaagtc tgcgtctccc 60

tgtgttgctc aggctgcact gcagtgtcta ttcacagggtg cgatcccact actgatcggc	120
acgaggggttt tgacctgctc cgtctc	146
<210> 378	
<211> 148	
<212> DNA	
<213> Neoceratodus forsteri	
<400> 378	
atactaacac attatttact tacaattaac agaagaaatt gagcagattt ttttgccatt	60
ttgtacacag ccaatcactt ggcgccattt actaaataat ctttctgttc tcagcatccc	120
gagagagaca tctcctcaac tggaagac	148
<210> 379	
<211> 138	
<212> DNA	
<213> Neoceratodus forsteri	
<400> 379	
cagatttatg ccaaacttcc tcctgtcagc aggtggcgct ataactgtga cttaagattg	60
gcatgtagat gtcttccgga gaggaatctt atcaaccatg tgaagtttca ggcacatggg	120
acattgtgtg gctgagtt	138
<210> 380	
<211> 132	
<212> DNA	
<213> Neoceratodus forsteri	
<400> 380	
aactcagcca cacaatgtcc catgtgcctg aaacttcaca tggttgataa gattcctctc	60
cggaagatat ctacatgcca atcttaagtc acaattatat cgccacctgc tgacaggagg	120
aagtttgga ta	132
<210> 381	
<211> 138	
<212> DNA	
<213> Neoceratodus forsteri	
<400> 381	
caggaagtcg gatattttgt acttcctgcg gcgaaaaagt ggcgattttg ccatttccag	60
gcgttgattt ttaacgaact ctccttagga attttatccg atcgacacca aaattaggtt	120
ttgtcatcta aaggcctt	138
<210> 382	
<211> 136	
<212> DNA	
<213> Neoceratodus forsteri	
<400> 382	
tttatgcaa acttccttct gtcagcaggt ggcgctataa ctgtgactca agattggcat	60
gtagatgtct tccggagagg aatcttatca accatgtgaa gtttcaggca gatgagacat	120
tgtgtggctg agttat	136

<210> 383
 <211> 129
 <212> DNA
 <213> *Neoceratodus forsteri*

<400> 383
 ccctcctccc ctgttcgctg ttcactttca cttttttccg tgcctcccca actcttcact 60
 ttcgtccgta acaccccagc ctgctctcta tcgtttgcaa cactcctcca ccatccactg 120
 caccatccc 129

<210> 384
 <211> 131
 <212> DNA
 <213> *Neoceratodus forsteri*

<400> 384
 atgcggaata attgacacca gtgcgttgaa ttattagaaa aattgaacca ctttaaattt 60
 tgactgcaat ttattacaga taaagtacat gcaggaggtt attatcacag attaaacccc 120
 aacatattta c 131

<210> 385
 <211> 126
 <212> DNA
 <213> *Neoceratodus forsteri*

<400> 385
 cagcagggtgg cgttatgact gactcaatat tgttatgtgg atgtgttcag gagcggactt 60
 ttatcaacca tgtgaagttt caggcagatc agagattgtg tggagattgt gttttaagac 120
 aaacta 126

<210> 386
 <211> 150
 <212> DNA
 <213> *Neoceratodus forsteri*

<400> 386
 aggctttgta tatcggatgg gtgtcatctg cgttcttggt tgccggagga tgcatttca 60
 tatgctgcag tggttctcta gacaagggtc cggatccaaa gtatatgtac tccaggaatg 120
 cacctgctcc atatgtggcc taccagcctc 150

<210> 387
 <211> 137
 <212> DNA
 <213> *Neoceratodus forsteri*

<400> 387
 aaacaaaatg aacaacagtg aaatactgtg aatgatgat tgctaaaaag taagcgagtc 60
 gatgcaattg aactagatt tttagcaagc cactgctgac ttgactctct aggggttata 120
 aaacttgcac ctgatgc 137

<210> 388
 <211> 146
 <212> DNA

<213> Neoceratodus forsteri

<400> 388
aacttagcca cacaatgtct gaactgcttg aaacttcaca tggttgatta aattcctctc 60
ctgaacacat ttacatgcca atattgagtc tgtcatagcg ccgcctgctg gcagaaggta 120
gtttggctta caactcagcc ccacaa 146

<210> 389
<211> 127
<212> DNA
<213> Neoceratodus forsteri

<400> 389
gctccccag gagcaccata tcgataccga acttagtgtg gacacctgat caacataatc 60
acactgcagt ccagaagccc tgagctcaag cgatccgcag cctcagcctc ccagtagctt 120
ggattac 127

<210> 390
<211> 39
<212> DNA
<213> Maccullochella peelii

<400> 390
cagagacttg gtctgttttt agtgttttgt ttgttttag 39

<210> 391
<211> 35
<212> DNA
<213> Maccullochella peelii

<400> 391
gacatggttc tacaggtgat tgtaggttgt aaaag 35

<210> 392
<211> 39
<212> DNA
<213> Maccullochella peelii

<400> 392
gacatggttc tacagtgggtt ttattatagg taatttttag 39

<210> 393
<211> 35
<212> DNA
<213> Maccullochella peelii

<220>
<221> misc_feature
<222> (22)..(22)
<223> n is a, c, g, or t

<400> 393
gacatggttc tacaggttga angggttttt aaagg 35

<210> 394
<211> 33
<212> DNA
<213> Maccullochella peelii

<220>
 <221> misc_feature
 <222> (19)..(19)
 <223> n is a, c, g, or t

 <400> 394
 cagagacttg gtcttggtng agaggagtag taa 33

 <210> 395
 <211> 39
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

 <400> 395
 gacatggttc tacagganga ttgattttta aattaaagg 39

 <210> 396
 <211> 39
 <212> DNA
 <213> Maccullochella peelii

 <400> 396
 gacatggttc tacagtaagt agttaatgtg tattagatt 39

 <210> 397
 <211> 33
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n is a, c, g, or t

 <400> 397
 gacatggttc tacacctctc cnaaaaaact tcc 33

 <210> 398
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

 <400> 398
 gacatggttc tacattangt atatatttg aggtgtg 37

 <210> 399
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

<220>
 <221> misc_feature
 <222> (25)..(25)
 <223> n is a, c, g, or t

 <400> 399
 gacatggttc tacaaagttt atgtngttta gggatat 37

 <210> 400
 <211> 35
 <212> DNA
 <213> Maccullochella peelii

 <400> 400
 gacatggttc tacaggggga ttttaatgaa gtagt 35

 <210> 401
 <211> 33
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

 <400> 401
 gacatggttc tacacnaaaa acctctttca ccc 33

 <210> 402
 <211> 33
 <212> DNA
 <213> Maccullochella peelii

 <400> 402
 gacatggttc tacacaaccc caaatctcct atc 33

 <210> 403
 <211> 32
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (19)..(19)
 <223> n is a, c, g, or t

 <400> 403
 gacatggttc tacacccnc taattctcct tc 32

 <210> 404
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n is a, c, g, or t

<400> 404
 gacatggttc tacanggtat ttagttattg aagtagt 37

<210> 405
 <211> 39
 <212> DNA
 <213> Maccullochella peelii

<400> 405
 cagagacttg gtctgatata ataaatagtt agtgggtaa 39

<210> 406
 <211> 34
 <212> DNA
 <213> Maccullochella peelii

<400> 406
 cagagacttg gtctcttaaa aaccctacac tccc 34

<210> 407
 <211> 35
 <212> DNA
 <213> Maccullochella peelii

<220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n is a, c, g, or t

<400> 407
 gacatggttc tacagtgagn gagtgttttt aaagg 35

<210> 408
 <211> 33
 <212> DNA
 <213> Maccullochella peelii

<400> 408
 gacatggttc tacacacctc cactttcact tcc 33

<210> 409
 <211> 34
 <212> DNA
 <213> Maccullochella peelii

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

<400> 409
 gacatggttc tacacnaacc tcatcatatc cttc 34

<210> 410
 <211> 32
 <212> DNA
 <213> Maccullochella peelii

<400> 410
 gacatggttc tacacacacc tccaccataa cc 32

<210> 411
 <211> 39
 <212> DNA
 <213> Maccullochella peelii

 <400> 411
 gacatggttc tacatattag tgttgatttt tgtagtagt 39

 <210> 412
 <211> 39
 <212> DNA
 <213> Maccullochella peelii

 <400> 412
 cagagacttg gtctaaatct tcatctcaaa tatttttcc 39

 <210> 413
 <211> 35
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

 <400> 413
 cagagacttg gtcttangga gttatgtagg gtagt 35

 <210> 414
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

 <400> 414
 cagagacttg gtctgtaatt aggatatggt gtgtatg 37

 <210> 415
 <211> 35
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (23)..(23)
 <223> n is a, c, g, or t

 <400> 415
 cagagacttg gtctagagtt gtnggtatta ggtaa 35

 <210> 416
 <211> 33
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n is a, c, g, or t

<400> 416
 gacatggttc tacagtttan ggggtaaggg taa 33

<210> 417
 <211> 35
 <212> DNA
 <213> Maccullochella peelii

<220>
 <221> misc_feature
 <222> (19)..(19)
 <223> n is a, c, g, or t

<400> 417
 cagagacttg gtcttgaang gattgtggga tataa 35

<210> 418
 <211> 32
 <212> DNA
 <213> Maccullochella peelii

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> n is a, c, g, or t

<400> 418
 cagagacttg gtcttcttcc nccacatcct ca 32

<210> 419
 <211> 40
 <212> DNA
 <213> Maccullochella peelii

<400> 419
 cagagacttg gtctaataac tatcaaatca acaaaattcc 40

<210> 420
 <211> 39
 <212> DNA
 <213> Maccullochella peelii

<400> 420
 gacatggttc tacagagttt tttaaaagag atgtaatag 39

<210> 421
 <211> 33
 <212> DNA
 <213> Maccullochella peelii

<220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n is a, c, g, or t

<400> 421
 gacatggttc tacanacttc ctatcctacc tca 33

<210> 422

<211> 36
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n is a, c, g, or t

 <400> 422
 cagagacttg gtctaccccn ataatatctt ctatac 36

 <210> 423
 <211> 40
 <212> DNA
 <213> Maccullochella peelii

 <400> 423
 gacatggttc tacaggatat tgtgttttaa atgtaatatg 40

 <210> 424
 <211> 33
 <212> DNA
 <213> Maccullochella peelii

 <400> 424
 gacatggttc tacaaactcc taaccaccct atc 33

 <210> 425
 <211> 50
 <212> DNA
 <213> Maccullochella peelii

 <400> 425
 cagagacttg gtcttaatta acacataaat taaaattaaa taattttctc 50

 <210> 426
 <211> 30
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

 <400> 426
 gacatggttc tacaccnca aaccctctcc 30

 <210> 427
 <211> 39
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (25)..(25)
 <223> n is a, c, g, or t

 <400> 427
 gacatggttc tacatatata ttaangtagt tgtagtatg 39

<210> 428
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

 <400> 428
 gacatggttc tacactcnta tttctaaacc aacaatt 37

 <210> 429
 <211> 52
 <212> DNA
 <213> Maccullochella peelii

 <400> 429
 cagagacttg gtctttataa aattaatata aaaaaattaa aaaaatattt ca 52

 <210> 430
 <211> 34
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n is a, c, g, or t

 <400> 430
 gacatggttc tacanggtgg tgtagtttt atgg 34

 <210> 431
 <211> 40
 <212> DNA
 <213> Maccullochella peelii

 <400> 431
 cagagacttg gtctgagatt tttgtatatt gtataaagtg 40

 <210> 432
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

 <400> 432
 gacatggttc tacaagatt tgtatgtggt aaaaagg 37

 <210> 433
 <211> 35
 <212> DNA
 <213> Maccullochella peelii

 <400> 433
 gacatggttc tacagtggta gaggtaatta ggtaa 35

 <210> 434

<211> 38
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n is a, c, g, or t

 <400> 434
 gacatggttc tacattaaaa actacnctct aaactatc 38

 <210> 435
 <211> 40
 <212> DNA
 <213> Maccullochella peelii

 <400> 435
 cagagacttg gtcttatgta tgtagtttt tgtatgtatg 40

 <210> 436
 <211> 49
 <212> DNA
 <213> Maccullochella peelii

 <400> 436
 gacatggttc tacaatttat gtgttttttt atgtttatat taattaagt 49

 <210> 437
 <211> 38
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n is a, c, g, or t

 <400> 437
 gacatggttc tacanggttt tttgagttat ttgaaaag 38

 <210> 438
 <211> 39
 <212> DNA
 <213> Maccullochella peelii

 <400> 438
 gacatggttc tacaaaactt caattcaaat cccaaattt 39

 <210> 439
 <211> 33
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

 <400> 439
 cagagacttg gtctcnacaa caactctcca tcc 33

<210> 440
 <211> 32
 <212> DNA
 <213> Maccullochella peelii

 <400> 440
 cagagacttg gtctcaaaac ccaaccccct tc 32

 <210> 441
 <211> 49
 <212> DNA
 <213> Maccullochella peelii

 <400> 441
 cagagacttg gtctttctac attatttcat ttaaattaat aaaactcca 49

 <210> 442
 <211> 30
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n is a, c, g, or t

 <400> 442
 gacatggttc tacaccccct cntcttcctc 30

 <210> 443
 <211> 35
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n is a, c, g, or t

 <400> 443
 cagagacttg gtcttacaat cncaaaaaac ctcca 35

 <210> 444
 <211> 35
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n is a, c, g, or t

 <400> 444
 cagagacttg gtcttctact cnatcattct ctatc 35

 <210> 445
 <211> 39
 <212> DNA
 <213> Maccullochella peelii

<220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n is a, c, g, or t

 <400> 445
 cagagacttg gtctngtagg tttttttttt ttgttttag 39

 <210> 446
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

 <400> 446
 cagagacttg gtctaaatac ccatttcctc tatcaaa 37

 <210> 447
 <211> 32
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

 <400> 447
 cagagacttg gtctaccntc aacctctcac tc 32

 <210> 448
 <211> 35
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> n is a, c, g, or t

 <400> 448
 cagagacttg gtctctaccc naaaaaaata ctccc 35

 <210> 449
 <211> 45
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (19)..(19)
 <223> n is a, c, g, or t

 <400> 449
 cagagacttg gtctgatang tattatTTTT ttgttatagt ttagt 45

 <210> 450
 <211> 36
 <212> DNA
 <213> Maccullochella peelii

<220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n is a, c, g, or t

 <400> 450
 cagagacttg gtctggagtn gttagatttt taaagg 36

 <210> 451
 <211> 35
 <212> DNA
 <213> Maccullochella peelii

 <400> 451
 cagagacttg gtctgttttag ttggggttta gtagt 35

 <210> 452
 <211> 34
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

 <400> 452
 cagagacttg gtctacnata aaccaaccct aacc 34

 <210> 453
 <211> 33
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (24)..(24)
 <223> n is a, c, g, or t

 <400> 453
 gacatggttc tacacctcta ctcnaaactc tcc 33

 <210> 454
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

 <400> 454
 gacatggttc tacagattag ttagtttggtt tgaagtg 37

 <210> 455
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n is a, c, g, or t

<400> 455
 cagagacttg gtcttaaata cttccnatta tcctatc 37

<210> 456
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

<220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n is a, c, g, or t

<400> 456
 cagagacttg gtctggtttt tngttttggtt attaagg 37

<210> 457
 <211> 36
 <212> DNA
 <213> Maccullochella peelii

<400> 457
 cagagacttg gtctgagtta ataaggtagg taaagg 36

<210> 458
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

<220>
 <221> misc_feature
 <222> (24)..(24)
 <223> n is a, c, g, or t

<400> 458
 cagagacttg gtctattgtg tagngtttat tatatgg 37

<210> 459
 <211> 40
 <212> DNA
 <213> Maccullochella peelii

<220>
 <221> misc_feature
 <222> (23)..(23)
 <223> n is a, c, g, or t

<400> 459
 cagagacttg gtctctaata acnaattatt aacatctatc 40

<210> 460
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

<400> 460
 gacatggttc tacattattg ttggttggtta gaggtaa 37

<210> 461

<211> 39
 <212> DNA
 <213> Maccullochella peelii

 <400> 461
 gacatggttc tacaaaatcc taattataat aaatccctc 39

 <210> 462
 <211> 34
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

 <400> 462
 gacatggttc tacaaccnta actaaccttc ttcc 34

 <210> 463
 <211> 49
 <212> DNA
 <213> Maccullochella peelii

 <400> 463
 gacatggttc tacattaata aaacatataa aaataaaaac aaactctta 49

 <210> 464
 <211> 33
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

 <400> 464
 cagagacttg gtctaacnaa cactcttccc tcc 33

 <210> 465
 <211> 34
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n is a, c, g, or t

 <400> 465
 gacatggttc tacacatctc cnatttcact catc 34

 <210> 466
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

 <220>

<221> misc_feature
 <222> (26)..(26)
 <223> n is a, c, g, or t

 <400> 466
 gacatgggttc tacatttgta gttttingtag tagtagt 37

 <210> 467
 <211> 35
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

 <400> 467
 gacatgggttc tacagnggta agtagtttat ttgtg 35

 <210> 468
 <211> 45
 <212> DNA
 <213> Maccullochella peelii

 <400> 468
 cagagacttg gtctaattcca cctaatttta ttaaattatc attct 45

 <210> 469
 <211> 52
 <212> DNA
 <213> Maccullochella peelii

 <400> 469
 cagagacttg gtcttattat aattaattta ataatatataa tttttagaag tg 52

 <210> 470
 <211> 34
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

 <400> 470
 gacatgggttc tacagngnga gttgaataga aaag 34

 <210> 471
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n is a, c, g, or t

 <400> 471
 cagagacttg gtctctatcn ataatatattt ttctctc 37

<210> 472
 <211> 38
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

 <400> 472
 cagagacttg gtctgngtat agtagaatat atttaagg 38

 <210> 473
 <211> 40
 <212> DNA
 <213> Maccullochella peelii

 <400> 473
 gacatgggttc tacatagaaa tattgagaag atgataaaaag 40

 <210> 474
 <211> 39
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n is a, c, g, or t

 <400> 474
 cagagacttg gtctggattt attatngagt aaattaagt 39

 <210> 475
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n is a, c, g, or t

 <400> 475
 cagagacttg gtctaadcct ataacnaaaa ctattcc 37

 <210> 476
 <211> 39
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

 <400> 476
 cagagacttg gtctangatt tgaattgtat ttggatat 39

<210> 477
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

 <400> 477
 gacatggttc tacattgaat taggtggttt ttaaagg 37

 <210> 478
 <211> 39
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

 <400> 478
 cagagacttg gtctaacnaa taaccaaaaa aaactatct 39

 <210> 479
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

 <400> 479
 gacatggttc tacaatataa tacctccttc aattcac 37

 <210> 480
 <211> 37
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n is a, c, g, or t

 <400> 480
 cagagacttg gtctctctcn acaaaaaata actttca 37

 <210> 481
 <211> 39
 <212> DNA
 <213> Maccullochella peelii

 <400> 481
 cagagacttg gtctcatatt ctttacatta ttactaacc 39

 <210> 482
 <211> 45
 <212> DNA
 <213> Maccullochella peelii

 <220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n is a, c, g, or t

<400> 482
 cagagacttg gtctttgaag atttangttg atttatatat gtatg 45

<210> 483
 <211> 33
 <212> DNA
 <213> Maccullochella peelii

<400> 483
 gacatggttc tacaacaat aaccccctcc ttc 33

<210> 484
 <211> 33
 <212> DNA
 <213> Maccullochella peelii

<220>
 <221> misc_feature
 <222> (24)..(24)
 <223> n is a, c, g, or t

<400> 484
 cagagacttg gtctatcaaa atcnaccctc tcc 33

<210> 485
 <211> 39
 <212> DNA
 <213> Maccullochella peelii

<400> 485
 cagagacttg gtctaattaa aacaacaacc taactatct 39

<210> 486
 <211> 133
 <212> DNA
 <213> Maccullochella peelii

<400> 486
 gtcctcagtg ctctgcttgt ctccagcagcg cgagcccgcc gccacagctg cagcctatat 60
 aaccatcggg gacgttgccg tgcaggccac gccccctcag atggaccgaa atctgggacc 120
 tgaactgaag ttt 133

<210> 487
 <211> 126
 <212> DNA
 <213> Maccullochella peelii

<400> 487
 ggtgactgta ggctgcaaaa ggccattttc agcctgaagc gcgtcttatt gatcgggtgtg 60
 acggtaaaac ctggactaac cccaccgccg cgctccttca tgtcccggga tggagagttg 120
 ctgtcg 126

<210> 488
 <211> 150
 <212> DNA
 <213> Maccullochella peelii

<400> 488
 gtggctttat cataggcaac tttagcagaa atcccaatgg cgatgatgag cgctatgacc 60
 ccgcaggtga tgtacaccgt ggtgttggtc tgggtccagct ccgggtcgta cgtatcacct 120
 gttggcgccg gtgaaggggg ctgggttttg 150

<210> 489
 <211> 126
 <212> DNA
 <213> Maccullochella peelii

<400> 489
 ggctgaacgg gtttctaaag gggtttcctc gactcgaagg caaggaccgg aagaggaaag 60
 ggagtgccgg gttttgtcat cactgccccg ttggagctcc actaacctaa atgaaacaat 120
 gcagaa 126

<210> 490
 <211> 138
 <212> DNA
 <213> Maccullochella peelii

<400> 490
 ctatcagtac gtggcccccg gggatgatcaa tttaggctcc ccgcacggtt atttcacgga 60
 ggaagacgag ggggacatct tcccgactcc ggacccccac tacgttaaga aatactactt 120
 ccccgtaga gacctgga 138

<210> 491
 <211> 126
 <212> DNA
 <213> Maccullochella peelii

<400> 491
 gcacctgggtc cagaatgtcc gtctggaggt cccctgcgac tgcagaccgg gacagaagaa 60
 gtgtacctgc taccggccga accgcaagga gacctggctc ttctcccgtt tctccaccgg 120
 ctggag 126

<210> 492
 <211> 128
 <212> DNA
 <213> Maccullochella peelii

<400> 492
 gtaagtagtt aatgtgcacc agatttacgc acggacctca tttgacgcag tgtggtcagc 60
 gtgcaccac aaacctcaca tggtaatgtg agtaatttaa agcatttgac agagaatgac 120
 cgagcaga 128

<210> 493
 <211> 132
 <212> DNA
 <213> Maccullochella peelii

<400> 493
 cctctccgga gaagcttcca gttccagccg gttacgtccc cgagctcgtc catcgctgcc 60
 cccgctgtgg tgaggcgttt ggccaggcca gcagcctgag cctccacctg gagcagaaga 120

ggaagaccta cg 132

<210> 494
 <211> 138
 <212> DNA
 <213> Maccullochella peelii

<400> 494
 ttacgtacac atactgaggt gtgagctgtc aggggaagaca ctactcggg gaaaacgtgc 60
 tctccgttat ggcccgattt caactctata aaccatacag aaggatacat ctctgtttga 120
 cagaggaaat gggtatatt 138

<210> 495
 <211> 126
 <212> DNA
 <213> Maccullochella peelii

<400> 495
 ccgcccaggg acatgctctc aaacccgggg ctcgggttcg ggtcgatccg ctctgtttca 60
 aactcttcat ctgatgacga ggatgacaca gatgaggaag agtgagaggc tgacgggtgtt 120
 ggagag 126

<210> 496
 <211> 143
 <212> DNA
 <213> Maccullochella peelii

<400> 496
 gggggatctt aatgaagcag tcgttgaagg agaggttgtg ccgcaggag ttctgccacc 60
 gctgcgtgtt ctcccggtag tacgggaacc ggtccatgat gaacttgtaa atctcactga 120
 gggggagcat cttctccggg cag 143

<210> 497
 <211> 132
 <212> DNA
 <213> Maccullochella peelii

<400> 497
 cggaggacct ctttcacccc gcaggcgctc gagatcctca acagccactt tgagaagaac 60
 acacaccctt ccggacagga aatgacggaa atagcggaga aactgaacta tgacaggag 120
 gtggtgcgtg tc 132

<210> 498
 <211> 134
 <212> DNA
 <213> Maccullochella peelii

<400> 498
 cagccccaga tctcctatct tgacggagcc ggtggggccg gtgatgaaga tgttgtcgca 60
 cttgaggtcc cggtgatga tgggaggagt gcgcgtgtgc aggaagtga gccctttgag 120
 gatctgacga ctcc 134

<210> 499
 <211> 143
 <212> DNA
 <213> Maccullochella peelii

<400> 499
 ccccgctggt tctccttcaa gtccaggtag tatttgcggt tttcccggac tagaaactcg 60
 ctcttgagag ctctcctggg ccgcccgtcc tcacccgcgc tggcctgggc tatctgctct 120
 ggactgctgg gccccagctg agc 143

<210> 500
 <211> 135
 <212> DNA
 <213> Maccullochella peelii

<400> 500
 tccccctga agcagataag gctacacgtc aggtcagggc tggttcaccg cagttcggct 60
 attgggggtgt caagtgtgtt tgtgcatgtg tgtgtatttg tgtacgtttg tgtttgtttg 120
 actgtgcatg tgtgt 135

<210> 501
 <211> 131
 <212> DNA
 <213> Maccullochella peelii

<400> 501
 ccagtttttg gcctgcggat caagaaggag agtcccagc agaggagaca gcgggagaag 60
 tcgtctgctc ccgccgggaa tcagccgctg ggagagttca tctgccaaact ctgtaaagag 120
 gagtaccccg a 131

<210> 502
 <211> 148
 <212> DNA
 <213> Maccullochella peelii

<400> 502
 cttgaaaacc ctgcactccc atgacggtgt tgttgagcct gtgtgtctgg ccgggagcgg 60
 gctctgaata cgttctgtac gccgtgtttg taatgtgatg tggggcgaga cagtagctag 120
 ctatgcactt caggcaagct aactagtc 148

<210> 503
 <211> 132
 <212> DNA
 <213> Maccullochella peelii

<400> 503
 gtgagcagtg gttcccaaag ggacttttta aggaggaacg ctaaccgca ctcctcacat 60
 atgtagctct tcggcttccc ggcgtgagtc cgcctgtgtt tcttcatgtg ataggacaac 120
 cggaagcatt ta 132

<210> 504
 <211> 150
 <212> DNA
 <213> Maccullochella peelii

<400> 504
 agggcggaag gccgagccat agctgggctt cctgttttgg agggttgagg tgtccagaag 60
 tttgagccag ccctccgatg tcacagggcg aaggtcaggg gttactgttg tgcactctgg 120
 gtcaaatagc ccggttctgg gtgtttagt 150

<210> 505
 <211> 129
 <212> DNA
 <213> Maccullochella peelii

<400> 505
 ggccctgtgc ttccggctag cagctgccac cctcatccag tctattggcc acatcagcgg 60
 cggccacatc aatcctgccg tcacctttgc ctaccttggt ggctcacaga tgtctctttt 120
 ccgcgccat 129

<210> 506
 <211> 143
 <212> DNA
 <213> Maccullochella peelii

<400> 506
 tctactatgt cactggtttc ttcacgcca tctcggatc cactaatgtg gtggagacgg 60
 tgccctgtgg ttccaccgcc aaccagaaag acatgccatg tggatgaacgc tacacagtgg 120
 cattcttctg catggacacc gcc 143

<210> 507
 <211> 145
 <212> DNA
 <213> Maccullochella peelii

<400> 507
 caccacaaca aatacaaccc aaacgaatcg gatagatgcc aacaacccgc catcagtgga 60
 ctaattttctc gcgggtcggg gcctgtaaca tccaccgacg aagtgtgga gtccagtcaa 120
 gaggcgtgc acgtcacgga gcgtc 145

<210> 508
 <211> 141
 <212> DNA
 <213> Maccullochella peelii

<400> 508
 taaacatcct tgactggaag ctggggtttg gacaacgagg gctttcagtc ggatgtttgc 60
 agcatcttat tgcctctgac agccaacagt aaccccgacg atgacactag tttgtaacat 120
 ttgtaacaga aaagcagaac t 141

<210> 509
 <211> 134
 <212> DNA
 <213> Maccullochella peelii

<400> 509
 aaccacctgc agttccaggc tgatccggac gtgctgcaca acagctacgc cctgagaggg 60

atccactaca accaggacct cattaacctg gcggtgctgc tggacatgga ggggaagcct 120

tttcttcacg tgtc 134

<210> 510
 <211> 125
 <212> DNA
 <213> Maccullochella peelii

<400> 510
 gcaaccagga catgctgtgc atggactaca accgcagcca gaccaccact gcatctcccg 60
 tgggtggcgaa gccgaccaac cggccactga agccgtacaa ccccaggaag aaggtcagct 120
 acggt 125

<210> 511
 <211> 132
 <212> DNA
 <213> Maccullochella peelii

<400> 511
 ccctctgata ctctttcatg tctcattgta tctctcaggg agtctttgga ggccctgctc 60
 caaagggccg tggctcactg tcccaaggca gaggtcctgt ggctgatggg ggccaagtcc 120
 aagtggctgg ct 132

<210> 512
 <211> 127
 <212> DNA
 <213> Maccullochella peelii

<400> 512
 accatcatcc agcttgggaa ggagaaatac tcgacctgcg tggtagagaa gaccaccgag 60
 ccggagtgga gggaagagtg ctcgttcgag ctgcagcccc gcgtgctgga gagcaacggg 120
 cggagcg 127

<210> 513
 <211> 125
 <212> DNA
 <213> Maccullochella peelii

<400> 513
 ctcggcccc taaatagcca caaaagcgtc ggatgagtga aatcggagat gctgcgcacc 60
 tcggcctaaa tcctggagct tttttgaaca ggactgtggg tgtgtgcgcg tcgggctcgc 120
 cgta 125

<210> 514
 <211> 143
 <212> DNA
 <213> Maccullochella peelii

<400> 514
 tcttccgcca catcctcaac ttctaccgca ccgggaagct gcactaccg cggcaggagt 60
 gcatctccgc gtacgacgag gagctcgcgt tcttcggcat catcccggag atcatcgggg 120
 actgctgcta cgaggactac aag 143

<210> 515
 <211> 129
 <212> DNA
 <213> Maccullochella peelii

<400> 515
 attccgcgcg gtgccatcac gttcacgcgt agccgcactt gtgcagcttc aggttgcgtt 60
 ggtccgagta tctcttccca cacttgtcac agatgaactg cttgccgccg gcgtggacgt 120
 gcctcttgt 129

<210> 516
 <211> 146
 <212> DNA
 <213> Maccullochella peelii

<400> 516
 tgctgcattc caggagaaag gtcgtaatgt ctagatgttc gaagtaccca ttttgcgtga 60
 cgtcaaattt cttcatgcaa aaatcgcgcg aagctctaca aaaatgcaca attgcataaa 120
 aatgctgtat ttgtgcaaat cacttc 146

<210> 517
 <211> 145
 <212> DNA
 <213> Maccullochella peelii

<400> 517
 gacttcctgt cctacctcag cctcgagaga ctgcaggttt ggtggttggt gtttgtacgc 60
 ttaacgcagc agattgctaa cagaaaagtt agagctataa atgcaaacac ttctggaagt 120
 ttgtgttggt ggattaattg tgatg 145

<210> 518
 <211> 141
 <212> DNA
 <213> Maccullochella peelii

<400> 518
 accccgatga tggtctctat actgaaagac ggtctgttgg aaggctctga tttgatcatg 60
 gacgccgtgc tcagactggt gagctgaagc tgaaggctcg ggctgagctg ggagttgaac 120
 gcttttctgt tcagctccgc c 141

<210> 519
 <211> 127
 <212> DNA
 <213> Maccullochella peelii

<400> 519
 gttgtgggcc agagggttat cgcagttgat tatgatggag gaaaaaacac catcgacaga 60
 ggattgggag gtgtgggggg tgcacccgaa ctgaaatgac atcatcccct ccactcttcg 120
 cccaaag 127

<210> 520
 <211> 129
 <212> DNA

<213> Maccullochella peelii

<400> 520
tttctgtcat taacttttct cattatttta gcagatgatt ctttttgac tttgctttaa 60
agttgttcta ataacctgta acagagttca ggtccaggat cagttagcag ctggtggtct 120
gagagggtt 129

<210> 521
<211> 152
<212> DNA
<213> Maccullochella peelii

<400> 521
cgcaggttgc aaactatatt gtgcgtcttt tatcatcttc tcagtgtttc tatgtcttgg 60
ctttcacttt cctcattatt tttcctccct ctctcctgt gtctcaccat ctctttctct 120
gtctaaagta agctaagca cgggagacac tc 152

<210> 522
<211> 125
<212> DNA
<213> Maccullochella peelii

<400> 522
cgtggtttac ttggtttact cggtggtgaa tccccgtac gtgcatggag agaatgaatg 60
ccaaactcca ttgaaaaatc tggcgattta atatgtcgtg atatacacac tatacacgt 120
gaggc 125

<210> 523
<211> 152
<212> DNA
<213> Maccullochella peelii

<400> 523
catacactaa cgtagctgta gtatgcgtta tagccattta tcctgcccta ccctgcagat 60
gtttaatagt gttactaaac ttttactttg gtaccgaagc cctcgctttc taagttgttc 120
cggttcagtg gaatagtttt cgatcatagga tt 152

<210> 524
<211> 128
<212> DNA
<213> Maccullochella peelii

<400> 524
ctcgtatttc tgaaccagca gttcaaactc ccggtagtgc tcctccgcct gctggtcaag 60
acgctgataa gcccgacac actcgctgca tcccccatg gccatatcca gggtgcaatt 120
caaatcgt 128

<210> 525
<211> 143
<212> DNA
<213> Maccullochella peelii

<400> 525
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taatgtccag tgttgaagtc agacagagag gcaccgttat aattattatt aaagtcaaaa	120
atcacctgac tgatcagtcc aag	143
<210> 526	
<211> 146	
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