

SEQUENCE LISTING

<110> OXFORD BIODYNAMICS LIMITED

<120> CHROMOSOME DETECTION

<130> P103646W001

<140> PCT/GB2017/051273

<141> 2017-05-08

<150> GB 16 08000.4

<151> 2016-05-06

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<170> PatentIn version 3.5

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 atctgccctg ggccacatgc ttaccgtccc atggatggat ggaacttgga atcagaagac 180
 ccaagtttga gtcctggctc tactactttt gtgattttgg tcatttaacc tctttgagcc 240
 ttcttatggc atagtagtta taatcaagat aatataagt aatgtgcttt gtaaaccatg 300
 aagtgttggt cacacagatg atagctactg tcttatattt gtcaaacctc agctgaggac 360
 caggttgaca ggatggagga agaggaggaa ttcaagactc gaactaaaca aaaaggagat 420
 gatcctgggt gggcttgact taatcaagt aaagccttaa aagcaagagt ctctgctag 480
 tctaggaaaa gcaaacagcc ctgctatgaa tggcctatag aaaggggcag cctctaggag 540
 catgggcctc agtcatatgc ccacaggaa ctgaatattg ccagcaacca tgtgagcatg 600

gaagaggact ctaagcctct gatgagacca cagccctggc caatgctttg attgtggctc	660
tgtgaggcct tgaacaaagg accaagtata gctatgccag gacttctgaa ccacgggaat	720
ggtgagataa taaatgtttg gtgttttaag ccactaagtt tgtgttaatt ttttatgccg	780
caatagaaag cgaatactac	800

<210> 76
 <211> 800
 <212> DNA
 <213> Homo sapiens;

<400> 76	
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tttcagtgga gtggtggagg gtgaaagtga aagcttaatt ggagtgggtt caagaatgca	120
ggaataggag gagagaaatt ggagatagca atatagaaat ctcttaaaga gttcgctgta	180
aagtccagga gagaggggtg aagataagtg aagtgattgt tggacgaaga tgtgggggtg	240
agagttgttt ttttcccatc ccaagatggg agacctatit gtatgctgat ggaatgagta	300
gcatgaaact taggagagag ggaaaaaatt gaatcagaag agagggaaca gattgcctga	360
ataatgacct ggaggaggcc agagaaaaga gaatgtgac gatgacctta atgtcagtgt	420
cactgactct gacaaggagg aaaggacagc gatgagccag gctgaccccc gccaccccat	480
tcccatagcc ccactttctt ctctcttctt gttcagaaat gtttcacttt gcctcatcta	540
gcccccttgg ccagtaggtc acatctggga gcttctgggg gtgccacatg tctgcctcaa	600
tctgggctgt ttcctcccct ccaagatatt tctactgtctc tgggctgggc gccaggactc	660
ctgggtttcc ctgcctgtgg tgcagggtc ccctgcagg ctccagagag tcgcttagct	720
ggtttccttc ctctttgtg gggagggcct tcccctaggg ctgggaggtg tcaggaatcc	780
caggtgggac aggggtgggg	800

<210> 77
 <211> 800
 <212> DNA
 <213> Homo sapiens;

<400> 77

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ttatataaag taacaccctt aattctaact tggccaacag gtaggatggg attattatta	120
tcttcattgt acagataagg aaactgaggc tcagattgac tagatcaaac aggagttttc	180
tggaaaacct aggacacaag cctaaatcct tgaactcaaa tactgctcta cactgaatta	240
cagttatata ctgatttctg ttgtaaattc ttagagaaga cagacataga aattagtaac	300
ttgagtcagt agcggctttg ttcaaacaca ggcacatgca tattttatgg tatatgttta	360
tatctgtgta atactcatca taaatgtcag atttataatc gagatcacag tgagctgaga	420
ttgcaccact gcactccagc ctgggcagcg gaggtagacc ttttctcaaa aaaaaaaaaa	480
aaaaaaggca aaaaattaaa ttattagtat ggtaaagttt cgtttggact taatatgaaa	540
ctcatttcta gaaatgatga tcatttgcac agggcttaac ttcctttgct aagaaaatag	600
agtagtatac taggagactt ccagagctgc atagagcttc agggatcatc accaagacag	660
acaatttgtt gtcacatca gtgttaaact ctaaattatt aagtgcattt gtgccagata	720
ctgaagttta tatacacttt ctctaacttt taataattct agaaaggatg gtgtttgatc	780
cattttcaag ataagaaaac	800

<210> 78
 <211> 800
 <212> DNA
 <213> Homo sapiens;

<400> 78	
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ttctcaggtg aaagcaaatt ggagaaattt ttaaaatgta attttggttt ttactccaac	120
tactttcaac atggatttgt aaaagactgc taggatcatt aaaatcagca ttgaagctat	180
gttgagcaag atggatagct gcactagaaa agctgtaaca agagtcattg tgaatgaaag	240
gaaaattttg ctctagattt gttggtagcc aaggcacaaa aattggaagc ataatgagtt	300
acagactcat gtctgataat atgaaagaac actaatttaa agaaaaaatc ttttctgtct	360
gaaattttat aatttagagg aactctatat aaacaacatc gaaactttgc ttcatgcaca	420
aaatttaaaa tattacataa aattaccttc aggcctttgtg tataagatat atataaaaca	480

taaataaatt ttgtgtttac acttgggttc catcctgaat atatctcatg atgtttatgc	540
aaatattcca aaatctgaaa aaatctgaaa ttcaaaacac ttccgggtccc aagcattttg	600
aataagggat actcaaccta tagctgcatt aattgaatta agacaaccac ataatctacc	660
tgtaattttt ctctggagcc ttttcttctg agccctccac gctcttctaa ttgatactgc	720
ttgctctact aagcctgttg aattactgta gtcctgggac ttctctttgc tcccctttcc	780
tggcttctat atctccctct	800

<210> 79
 <211> 264
 <212> DNA
 <213> Homo sapiens;

<400> 79	
ggggagtgga tgggataagg tggaatgttg ggtgaactaa aaggccttta aggccccctct	60
gaaatccagc atcgaagagg gaaactgcat cacagttgat ggaagtctgt tggcctctta	120
acaaagctaa tgcttgccct tctggcttag cttacataag aaccacaagg aatctttgtt	180
gaattgtttc tttcagatca tcgggacaac tctccttttg atggacctgg aggaaatctt	240
gctcatgctt ttcaaccagg ccca	264

<210> 80
 <211> 22
 <212> DNA
 <213> Homo sapiens;

<400> 80	
ggggagtgga tgggataagg tg	22

<210> 81
 <211> 20
 <212> DNA
 <213> Homo sapiens;

<400> 81	
tgggcctggt tgaaaagcat	20

<210> 82

<211> 29
 <212> DNA
 <213> Homo sapiens;

 <400> 82
 atccagcatc gaagagggaa actgcatca 29

 <210> 83
 <211> 60
 <212> DNA
 <213> Homo sapiens;

 <400> 83
 ttggagggaa aagtaattac gttcaacttc gactgtattc tacaaagtc tgggattaca 60

 <210> 84
 <211> 60
 <212> DNA
 <213> Homo sapiens;

 <400> 84
 ggaggaggcc agagaaaaga gaatgtgac gatttctaaa atactgtgtg tgtgtatgta 60

 <210> 85
 <211> 60
 <212> DNA
 <213> Homo sapiens;

 <400> 85
 ggatggagga agaggaggaa ttcaagactc gaactaaaca aaaaggagat gacacctgggt 60

 <210> 86
 <211> 60
 <212> DNA
 <213> Homo sapiens;

 <400> 86
 aggatctcat gatgctttga atactttctc gataccttat tataaaatca gctttgtgtt 60

 <210> 87
 <211> 60
 <212> DNA
 <213> Homo sapiens;

 <400> 87

agctcaaatt cttttactaa ttgttacatc gaaagttcaa aattaaattt taaacgtttt 60

<210> 88
<211> 60
<212> DNA
<213> Homo sapiens;

<400> 88
aatttagagg aactctatat aaacaacatc gaaactttgc ttcatgcaca aaatttaaaa 60

<210> 89
<211> 60
<212> DNA
<213> Homo sapiens;

<400> 89
cagaaatgca cgcacaggca caacagcatc gaaaccggtt ctttgaggc tcagtttttg 60

<210> 90
<211> 60
<212> DNA
<213> Homo sapiens;

<400> 90
cctacatata catggaatat tcctggtatc gaaatatattt aggtaatcat tatttgtcta 60

<210> 91
<211> 22
<212> DNA
<213> Homo sapiens;

<400> 91
tccagagggtt atggaatttg ag 22

<210> 92
<211> 19
<212> DNA
<213> Homo sapiens;

<400> 92
aagaaacaga ctgggcttg 19

<210> 93
<211> 21

<212> DNA	
<213> Homo sapiens;	
<400> 93	
gcatgaaact taggagagag g	21
<210> 94	
<211> 20	
<212> DNA	
<213> Homo sapiens;	
<400> 94	
ttgccaccat gtgactatac	20
<210> 95	
<211> 22	
<212> DNA	
<213> Homo sapiens;	
<400> 95	
gtgctttgta aaccatgaag tg	22
<210> 96	
<211> 19	
<212> DNA	
<213> Homo sapiens;	
<400> 96	
tcgtgggcat atgactgag	19
<210> 97	
<211> 20	
<212> DNA	
<213> Homo sapiens;	
<400> 97	
accctccttc actcacatag	20
<210> 98	
<211> 23	
<212> DNA	
<213> Homo sapiens;	
<400> 98	
gcacctaadc tacctaacad cac	23

<210> 99
 <211> 19
 <212> DNA
 <213> Homo sapiens;

 <400> 99
 ggcattgctt tgccttatc 19

<210> 100
 <211> 20
 <212> DNA
 <213> Homo sapiens;

 <400> 100
 caacttcctt ggggtgtagag 20

<210> 101
 <211> 20
 <212> DNA
 <213> Homo sapiens;

 <400> 101
 tgttgagcaa gatggatagc 20

<210> 102
 <211> 21
 <212> DNA
 <213> Homo sapiens;

 <400> 102
 atattcagga tggaacccaa g 21

<210> 103
 <211> 22
 <212> DNA
 <213> Homo sapiens;

 <400> 103
 ggagtgtaca tcgttggtaa tg 22

<210> 104
 <211> 22
 <212> DNA

<213> Homo sapiens;

 <400> 104
 gcaaataaag actgctgggtt tc 22

 <210> 105
 <211> 22
 <212> DNA
 <213> Homo sapiens;

 <400> 105
 aggacccatc acctacatat ac 22

 <210> 106
 <211> 20
 <212> DNA
 <213> Homo sapiens;

 <400> 106
 agccaagttt atgccaagag 20

 <210> 107
 <211> 60
 <212> DNA
 <213> Homo sapiens;

 <400> 107
 ttggagggaa aagtaattac gttcaacttc gactgtattc tacaaagtc tgggattaca 60

 <210> 108
 <211> 60
 <212> DNA
 <213> Homo sapiens;

 <400> 108
 ggaggaggcc agagaaaaga gaatgtgatc gatttctaaa atactgtgtg tgtgtatgta 60

 <210> 109
 <211> 60
 <212> DNA
 <213> Homo sapiens;

 <400> 109
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<210> 110
 <211> 60
 <212> DNA
 <213> Homo sapiens;

 <400> 110
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<210> 111
 <211> 60
 <212> DNA
 <213> Homo sapiens;

 <400> 111
 ccaaagacag ccaaggaaaa actaaagatc gaaagttttt attacttcca aattagtaaa 60

<210> 112
 <211> 60
 <212> DNA
 <213> Homo sapiens;

 <400> 112
 aggatctcat gatgctttga atactttctc gataccttat tataaaatca gctttgtggt 60

<210> 113
 <211> 60
 <212> DNA
 <213> Homo sapiens;

 <400> 113
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<210> 114
 <211> 60
 <212> DNA
 <213> Homo sapiens;

 <400> 114
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<210> 115
 <211> 60
 <212> DNA
 <213> Homo sapiens;

<400> 115
atttctttct tcttcccatt ttctaaaatc gatttttaaa ttaaaggtag aagttaaggc 60

<210> 116
<211> 60
<212> DNA
<213> Homo sapiens;

<400> 116
atactcatca taaatgtcag atttataatc gagatcacag tgagctgaga ttgcaccact 60

<210> 117
<211> 60
<212> DNA
<213> Homo sapiens;

<400> 117
agctcaaatt cttttactaa ttgttacatc gaaagttcaa aattaaattt taaacgtttt 60

<210> 118
<211> 60
<212> DNA
<213> Homo sapiens;

<400> 118
ggatggagga agaggaggaa ttcaagactc gaactaaaca aaaaggagat gatcctgggt 60

<210> 119
<211> 60
<212> DNA
<213> Homo sapiens;

<400> 119
aatttagagg aactctatat aaacaacatc gaaactttgc ttcatgcaca aaatttaaaa 60