

LISTADO DE SECUENCIAS

<110> JSC "BIOCAD"

<120> Nucleic acid having promoter activity and use thereof

<160> 18

<170> BiSSAP 1.3.6

<210> 1

<211> 201

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid having promoter activity

<400> 1

tgtttgctgc ttgcaatgtt tgcccatttt aggggtggaca caggacgctg tggtttctga 60

gccagggggc gactcagatc ccagccagtg gacttagccc ctgtttgctc ctccgataac 120

tggggtgacc ttggttaata ttcaccagca gcctccccg ttgccctct ggatccactg 180

cttaaatacg gacgaggaca g

201

<210> 2

<211> 209

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid having promoter activity

<400> 2

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gccagggggc gactcagatc ccagccagtg gacttagccc ctgtttgctc ctccgataac 120

tggggtgacc ttggttaata ttcaccagca gcctccccg ttgccctct ggatccactg 180

cttaaatacg gacgaggaca gggccctgt 209

<210> 3

<211> 168

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid having promoter activity

<400> 3

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actggggtga ccttggttaa tattcaccag cagcctcccc cgttgcccct ctggatccac 120

tgcttaaata cggacgagga cagggccctg tctcctcagc ttcaggca 168

<210> 4

<211> 158

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid having promoter activity

<400> 4

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tccgataact ggggtgacct tggttaatat tcaccagcag cctccccctg tgcccctctg 120

gatccactgc ttaaatacgg acgaggacag ggcctgt 158

<210> 5

<211> 154

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid having promoter activity

<400> 5

ttgcaatggt tgccatttt actgagccag gggcccagcc agtggactta gcccctgttt 60

gctcctccga taactgggggt gaccttggtt aatattcacc agcagttgcc cctctggatc 120

cactgcttaa atacggacga ggacagggcc ctgt 154

<210> 6

<211> 150

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid having promoter activity

<400> 6

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ctccgataac tggggtgacc ttggttaata ttcaccagca gttgcccttc tggatccact 120

gcttaaatac ggacgaggac agggccctgt 150

<210> 7

<211> 123

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid having promoter activity

<400> 7

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ataactgggg tgaccttgtt taatattcac cctgcttaa tacggacgag gacagggccc 120

tgt

123

<210> 8

<211> 127

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid having promoter activity

<400> 8

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tccgataact ggggtgacct tggttaatat tcaccctgct taaatacgga cgaggacagg 120

gccctgt 127

<210> 9

<211> 123

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid having promoter activity

<400> 9

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ataactgggg tgaccttggg taataattaa cctgcttaaa tacggacgag gacagggccc 120

tgt 123

<210> 10

<211> 136

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid having promoter activity

<400> 10

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ataactgggg tgaccttggg taataattaa cgtaataat tttcctgctt aaatacggac 120

gaggacaggg ccctgt 136

<210> 11

<211> 176

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid having promoter activity

<400> 11

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tggggtgacc ttggtaata ttaccagca gttaataatt ttctccccg ttgccctct 120

ggatccactg cttaaatacg gacgaggaca gggccctgtc tcctcagctt caggca 176

<210> 12

<211> 170

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid having promoter activity

<400> 12

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gaccttggtt aatattcacc agcagttaat aattttctcc cccgttgccc ctctggatcc 120

actgcttaaa tacggacgag gacagggccc tgtctcctca gcttcaggca 170

<210> 13

<211> 163

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid having promoter activity

<400> 13

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cttggttaat attcaccgtt aataattttc tccccgttg cccctctgga tccactgctt 120

aaatacggac gaggacaggg ccctgtctcc tcagcttcag gca 163

<210> 14

<211> 252

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid having promoter activity

<400> 14

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gccagggggc gactcagatc ccagcctcca aagtccaaaa tgtaaacata ctccgataac 120

tggggtgacc ttggttaata attaacagca gcctccccg ttgccctct ggatccactg 180

cttaaatacg gacgaggaca gggccctgtc tctcagctt caggcaccac cactgacctg 240

ggacagtgaa tc 252

<210> 15

<211> 176

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid having promoter activity

<400> 15

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tgggggtgacc ttggttaata attaacagca gttaataatt ttctcccccg ttgccctct 120

ggatccactg cttaaatacg gacgaggaca gggccctgtc tctcagctt caggca 176

<210> 16

<211> 130

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid which is first inverted

terminal repeat (ITR)

<400> 16

cctgcaggca gctgcgcgct cgctcgctca ctgaggccgc ccgggcgtcg ggcgaccttt 60

ggtcgcccgg cctcagtgag cgagcgagcg cgcagagagg gagtggccaa ctccatcact 120

aggggttcct

130

<210> 17

<211> 60

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid which is signal
of polyadenylation

<400> 17

cgcgaaataaa agatctttat ttccattaga tctgtgtgtt gggtttttgt gtgatgcagc 60

<210> 18

<211> 141

<212> DNA

<213> Artificial sequence

<220>

<223> Nucleic acid which is second inverted
terminal repeat (ITR)

<400> 18

aggaaccctt agtgatggag ttggccactc cctctctgcg cgctcgctcg ctactgagg 60

ccgggacgacc aaaggtcgcc cgacgcccgg gctttgcccg ggccggcctca gtgagcgagc 120

gagcgcgcag ctgcctgcag g

141