SEQUENCE LISTING

<110> SANGAMO BIOSCIENCES, INC.

<120> METHODS AND COMPOSITIONS FOR REGULATION OF TRANSGENE EXPRESSION

<130> 8325-0091.40

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<141> 2012-09-21

<150> 61/670,490
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<151> 2011-11-16

<150> 61/537,349
<151> 2011-09-21

<160> 165

<170> PatentIn version 3.5

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<210> 36
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<400> 39
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<210> 40
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Arg Ser Asp Ala Leu Ala Arg
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<210> 42
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<210> 44
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Asp Arg Ser Ala Leu Ser Arg
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<213> Mus sp.

<400> 55
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<210> 56
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<400> 56
tttcctgtaa cgatcgggaa ctggcatc 28

<210> 57
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aagatgccag ttcccgatcg ttacagga 28

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acgtagagaa caacatctag attggtgg 28

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<210> 62
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<210> 63
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<210> 66
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<400> 66
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<400> 67
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<210> 69
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<210> 70
<211> 21
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic primer

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caggcctttg aaatgttgtt c 21

<210> 71
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aagtgcaaag cctttcagga 20

<210> 72
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<212> DNA
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<400> 72
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<210> 73
<211> 349
<212> DNA
<213> Macaca mulatta

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tcccacgagc ctttggcaca atgaagtggg taacctttat ttcccttctc tttctcttta 120

gctcagctta ttccaggggt gtgtttcgtc gagatacacg taagaaatcc atttttctat 180

tgttcaactt ttattctatt ttcctagtaa aataaagttt tagtaaactc tgcatcttta 240

aagaattgtt ttgtcatgta tttctaaaat gggatagtat tttgtatttg tgaagtctta 300

caaagttatc ttattaataa aattcaaaca tcctaggtaa aataaaagg 349

<210> 74
<211> 349
<212> DNA
<213> Callithrix jacchus

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ccccacgagc ctttggcaca atgaagtggg taacctttat ttcccttctc tttctcttta 120

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tgttcaactt ttattctttt tcctagtaac ataaagtttt agtaaactgc atttttaaag 240

aattattttg gcatttattt ctaaaatggg atgacatttg tatttgtgaa gtcttacaag 300

gttatattat taataaattt caaacatcct aggtaaaaga aaaagaggg 349

<210> 75
<211> 395
<212> DNA
<213> Canis familiaris

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ccccacaagc ctttggcaca atgaagtggg taacttttat ttccctttttc tttctcttta 120

gctctgctta ttccaggggc ttggttcgac gagaagcatg taagaattct attttcctat 180

tgttcaactt tattttagtt tcctagtaaa ataaattttt ttttgtaaaa gaaatttta 240

gaaaaccctg catctttcca gaattgcttt tctttagcat ttatttctag acagtgatga 300

tattttatat ttgtgacccc tttgaaagtt attatttttt aagatctgcg agagagcatg 360

aagtggtggg ggcagggaga gggagaagca gggag 395

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<211> 364
<212> DNA

<213> Mus musculus

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tgctgatttc tagattatta ttactgttgt tgttgttatt attgtcatta tttgcatctg 300

agaaccctta ggtggttata ttattgatat atttttggta tctttgatga caataatggg 360

ggat 364

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<211> 521
<212> DNA
<213> Macaca mulatta

<400> 77
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agagtgactt aaacttcaca gaacagagtt gaagattgaa ttcataactg tccctaagac 120

ctatccattg cactatgctt tatttaaaag ccacaaaacc tgtgctgttg atctcataaa 180

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taaaaatagt attcttgata attgaattat tcctctgttt aaaggcagaa gaaataattc 360

accattatcc tgacttttc tgtaggaatc agagcccaat attttgaaac aaatgcataa 420

tctaagtcaa atggaaagaa atataaaaag taacattatt acttcttgtt ttcttcagta 480

tttaacaacc ctttttttc tccccttccc cagacaagag t 521

<210> 78
<211> 523
<212> DNA
<213> Callithrix jacchus

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acctattcat tgcactatgc cttatttaaa aatcacaaaa cctgtgctgt tgatctaata 180

aatagaactt gtatttatat ttactttcat ttcagcctgt cttctcagta gttgttaata 240

gacactgaga gtattagatg atatctaagt ctgaatataa agctataaat atttaataat 300

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<210> 79
<211> 587
<212> DNA
<213> Canis familiaris

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tttagtagct gtaactacct tctgtacatg aaggagctta gagtgcctta aacttcacag 120

aatatagttg acgttagaat tgatagctcc gtattcccaa aggctattgc actgtgattt 180

atgggaaaaa aaaaacccac aaacctgtgt tgctaatctt gtaaatagaa cttgtattta 240

tatttttcat ttcagtctgt cctctcagca gctgttaata gacattacaa gagcattaga 300

tcttatccaa gtttgaatat aaggctacaa atatttaatg attttaatga ttttttgaaa 360

tcatatcatt cgtgattgaa taacttatct gttttaatgc agaatgaata cttcatcatt 420

ctaagatttt tctgtcagga taagaggcaa atattttgga gcaaacgaat acttaagtca 480

tgtggagaga aacacaaaga gtaacatcat aacgaggtca ttttcttcag aatgtaacaa 540

atctgtttta tttttatttt tttctttttt cctctccaga taagagt 587

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<212> DNA
<213> Rattus norvegicus

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gaactatgtc agatacagct gaactcacta gtttcaaagg gcctgcctgc tctacctagc 120

tatactaaac acgcatagcc tgtattagta attttacgaa tggagtttcc acttatattt 180

acttttattt cttatttact attgccttag tagacattta caaacatgac tgaaacattc 240

cgtcttgggt ttgaatgcaa agttataagc acttaatgag tctttaaaaa taatagtttc 300

ggtgaaagaa taaaactctg aatgtagtcg aaaggaattg ccatcttccg attttcctgt 360

agcgattgga ggctgggaac ttcagggaat agtttaagtg agtgaagaga agggtgaaaa 420

gcagcgtgtt gtaatttgat gtcttcaata tttaaatatg ttttgtggtt tttttctctc 480

ccccattccc acagacaaga gt 502

<210> 81
<211> 505
<212> DNA
<213> Mus musculus

<400> 81
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aattacgttg gatacagttg aatttattac ggtctcatag ggcctgcctg ctcgaccatg 120

ctatactaaa aattaaaagt gtgtgttact aattttataa atggagtttc catttatatt 180

taccttttatt tcttatttac cattgtctta gtagatattt acaaacatga cagaaacact 240

aaatcttgag tttgaatgca cagatataaa cacttaacgg gttttaaaaa taataatgtt 300

ggtgaaaaaa tataactttg agtgtagcag agaggaacca ttgccacctt cagattttcc 360

tgtaacgatc gggaactggc atcttcaggg agtagcttag gtcagtgaag agaagaacaa 420

aaagcagcat attacagtta gttgtcttca tcaatcttta aatatgttgt gtggtttttc 480

tctccctgtt tccacagaca agagt 505

<210> 82
<211> 480
<212> DNA
<213> Homo sapiens

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taaaataaag ttttagtaaa ctctgcatct ttaaagaatt attttggcat ttatttctaa 120

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acatcctagg taaaaaaaaa aaaaggtcag aattgtttag tgactgtaat tttcttttgc 240

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aaaacctgtg ctgttgatct cataaataga acttgtattt atatttattt tcattttagt 420

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Gln Arg Ser Asn Leu Asp Ser
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<210> 84
<211> 7
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Tyr His Trp Tyr Leu Lys Lys
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<210> 85
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<210> 87
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Gln Tyr Thr His Leu Val Ala
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<210> 88
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<400> 88
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<210> 89
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<210> 90
<211> 28
<212> DNA
<213> Canis sp.

<400> 90

agtattcgtt tgctccaaaa tatttgcc 28

<210> 91
<211> 28
<212> DNA
<213> Canis sp.

<400> 91
aagtcatgtg gagagaaaca caaagagt 28

<210> 92
<211> 60
<212> DNA
<213> Homo sapiens

<400> 92
attgaattca taactatccc aaagacctat ccattgcact atgctttatt taaaaaccac 60

<210> 93
<211> 60
<212> DNA
<213> Macaca mulatta

<400> 93
attgaattca taactgtccc taagacctat ccattgcact atgctttatt taaaagccac 60

<210> 94
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 94
His Leu Gly Asn Leu Lys Thr
1 5

<210> 95
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 95
Leu Lys His His Leu Thr Asp
1 5

<210> 96
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 96

Arg Leu Asp Asn Arg Thr Ala
1 5

<210> 97
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 97
Leu Met Gln Asn Arg Asn Gln
1 5

<210> 98
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 98
Arg Ser Asp His Leu Thr Thr
1 5

<210> 99
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 99
Gln Arg Ser Asn Leu Val Arg
1 5

<210> 100
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 100
Leu Arg Met Asn Leu Thr Lys
1 5

<210> 101
<211> 28
<212> DNA
<213> Macaca mulatta

<400> 101
ttagggacag ttatgaattc aatcttca 28

<210> 102
<211> 21
<212> DNA
<213> Artificial Sequence

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

<400> 102
gttgccagcc atctgttgtt t 21

<210> 103
<211> 20
<212> DNA
<213> Artificial Sequence

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

<400> 103
gacagtggga gtggcacctt 20

<210> 104
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic probe

<400> 104
ctcccccgtg ccttccttga cc 22

<210> 105
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 105
Leu Arg His Asn Leu Arg Ala
1 5

<210> 106
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 106
Asp Gln Ser Asn Leu Arg Ala
1 5

<210> 107
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 107
Arg Pro Tyr Thr Leu Arg Leu
1 5

<210> 108
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 108
His Arg Ser Asn Leu Asn Lys
1 5

<210> 109
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 109
Leu Lys Trp Asn Leu Arg Thr
1 5

<210> 110
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 110
Trp Lys Trp Asn Leu Arg Ala
1 5

<210> 111
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 111
Leu Lys Gln His Leu Asn Glu
1 5

<210> 112
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 112
Arg Arg Tyr Tyr Leu Arg Leu
1 5

<210> 113
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 113
Arg Arg Asp Trp Arg Arg Asp
1 5

<210> 114
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 114
Asp Lys Ser Tyr Leu Arg Pro
1 5

<210> 115
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 115
His Arg Ser Ala Arg Lys Arg
1 5

<210> 116
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 116

Trp Arg Ser Ser Leu Lys Thr
1 5

<210> 117
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 117
Gln Ser Gly Asn Leu His Val
1 5

<210> 118
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 118
Gln Ser Ala His Arg Lys Asn
1 5

<210> 119
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 119
Ser Thr Ala Ala Leu Ser Tyr
1 5

<210> 120
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 120
Thr Ser Gly Ser Leu Ser Arg
1 5

<210> 121
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 121
Gln Arg Ser Asn Leu Asn Ile
1 5

<210> 122
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 122
Gln Arg Thr His Leu Thr Gln
1 5

<210> 123
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 123
Asp Arg Ser Asn Leu Thr Arg
1 5

<210> 124
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 124
Gln Lys Val Asn Arg Ala Gly
1 5

<210> 125
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<400> 125
Gln Asn Ala Asn Arg Ile Thr
1 5

<210> 126
<211> 7
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
peptide

<400> 126
Gln Ser Ala His Arg Ile Thr
1 5

<210> 127
<211> 28
<212> DNA
<213> Homo sapiens

<400> 127
cctatccatt gcactatgct ttatttaa 28

<210> 128
<211> 28
<212> DNA
<213> Homo sapiens

<400> 128
tttgggatag ttatgaattc aatcttca 28

<210> 129
<211> 28
<212> DNA
<213> Homo sapiens

<400> 129
cctgtgctgt tgatctcata aatagaac 28

<210> 130
<211> 28
<212> DNA
<213> Homo sapiens

<400> 130
ttgtggtttt taaataaagc atagtgca 28

<210> 131
<211> 28
<212> DNA
<213> Homo sapiens

<400> 131
accaagaaga cagactaaaa tgaaaata 28

<210> 132
<211> 28
<212> DNA
<213> Homo sapiens

<400> 132
ctgttgatag acactaaaag agtattag 28

<210> 133
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 133
gttgaagatt gaattcata 19

<210> 134
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 134
gtgcaatgga taggtcttt 19

<210> 135
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 135
atagtgcaat ggataggtc 19

<210> 136
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 136
attgaattca taactatcc 19

<210> 137
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 137
attgaattca taactatccc a 21

<210> 138
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 138
ataaagcata gtgcaatgga t 21

<210> 139
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 139
ataaagcata gtgcaatgg 19

<210> 140
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 140
ctatgcttta tttaaaaac 19

<210> 141
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 141
ctatgcttta tttaaaaacc a 21

<210> 142
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 142
atttatgaga tcaacagcac a 21

<210> 143
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 143
ttcattttag tctgtcttct t 21

<210> 144
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 144
attttagtct gtcttcttg 19

<210> 145
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 145
ctaatactct tttagtgtct 20

<210> 146
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 146
atctaatact cttttagtgt c 21

<210> 147
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 147
ataattgaac atcatcctg 19

<210> 148
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 148
ataattgaac atcatcctga g 21

<210> 149
<211> 21

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 149
atattgggct ctgattccta c 21

<210> 150
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 150
atattgggct ctgattcct 19

<210> 151
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 151
tttttctgta ggaatcagag 20

<210> 152
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 152
ttatgcattt gtttcaaaa 19

<210> 153
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 153
attatgcatt tgtttcaaa 19

<210> 154
<211> 395
<212> DNA
<213> Homo sapiens

<400> 154
taaggaaagt gcaaagtaac ttagagtgac tgaaacttca cagaataggg ttgaagattg 60

aattcataac tatcccaaag acctatccat tgcactatgc tttatttaaa aaccacaaaa 120

cctgtgctgt tgatctcata aatagaactt gtatttatat ttattttcat tttagtctgt 180

cttcttggtt gctgttgata gacactaaaa gagtattaga tattatctaa gtttgaatat 240

aaggctataa atatttaata atttttaaaa tagtattctt ggtaattgaa ttattcttct 300

gtttaaaggc agaagaaata attgaacatc atcctgagtt tttctgtagg aatcagagcc 360

caatattttg aaacaaatgc ataatctaag tcaaa 395

<210> 155
<211> 393
<212> DNA
<213> Macaca fascicularis

<400> 155
taaggaaagt gcaaagtaac ttagagtgac ttaaacttca cagaacagag ttgaagattg 60

aattcataac tgtccctaag acctatccat tgcactatgc tttatttaaa agccacaaaa 120

cctgtgctgt tgatctcata aatagaactt gtatttatat ttactttcat tttagtctgt 180

cttctcagtt gctgttgata tacactaaaa gagtattaga tattacctgt ttgaatataa 240

aactataaat atctaataat tttaaaaata gtattcttga taattgaatt attcctctgt 300

ttaaaggcag aagaaataat tcaccattat cctgactttt tctgtaggaa tcagagccca 360

atattttgaa acaaatgcat aatctaagtc aaa 393

<210> 156
<211> 394
<212> DNA
<213> Macaca fascicularis

<400> 156
taaggaaagt gcaaagtaac ttagagtgac ttaaacttca cagaacagag ttgaagattg 60

aattcataac tgtccctaag acctatccat tgcactatgc tttatttaaa agccacaaaa 120

cctgtgctgt tgatctcata aatagaactt gtatttatat ttactttcat tttagtctgt 180

cttctcagtt gctgttgata tacactaaaa gagtattaga tattacctgt ttgaatataa 240

aactataaat atctaataat tttaaaaata gtattcttga taattgaatt attcctctgt 300

ttaaaggcag taagaaataa ttcaccatta tcctgacttt ttctgtagga atcagagccc 360

aatattttga aacaaatgca taatctaagt caaa 394

<210> 157
<211> 393
<212> DNA
<213> Macaca mulatta

<400> 157
taaggaaagt gcaaagtaac ttagagtgac ttaaacttca cagaacagag ttgaagattg 60

aattcataac tgtccctaag acctatccat tgcactatgc tttatttaaa agccacaaaa 120

cctgtgctgt tgatctcata aatagaactt gtatttatat ttactttcat tttagtctgt 180

cttctcagtt gctgttgata tacactaaaa gagtattaga tattacctgt ttgaatataa 240

aactataaat atctaataat tttaaaaata gtattcttga taattgaatt attcctctgt 300

ttaaaggcag aagaaataat tcaccattat cctgactttt tctgtaggaa tcagagccca 360

atattttgaa acaaatgcat aatctaagtc aaa 393

<210> 158
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 158
ctatttatga gatcaacagc a 21

<210> 159
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 159
tttttctgta ggaatcaga 19

<210> 160
<211> 353
<212> DNA
<213> Homo sapiens

<400> 160
ttaaagaagt atattagtgc taatttccct ccgtttgtcc tagcttttct cttctgtcaa 60

ccccacacgc ctttggcaca atgaagtggg taacctttat ttcccttctt tttctcttta 120

gctcggctta ttccaggggt gtgtttcgtc gagatgcacg taagaaatcc atttttctat 180

tgttcaactt ttattctatt ttcccagtaa aataaagttt tagtaaactc tgcatcttta 240

aagaattatt ttggcattta tttctaaaat ggcatagtat tttgtatttg tgaagtctta 300

caaggttatc ttattaataa aattcaaaca tcctaggtaa aaaaaaaaaa agg 353

<210> 161
<211> 523
<212> DNA
<213> Homo sapiens

<400> 161
tcagaattgt ttagtgactg taattttctt ttgcgcacta aggaaagtgc aaagtaactt 60

agagtgactg aaacttcaca gaatagggtt gaagattgaa ttcataacta tcccaaagac 120

ctatccattg cactatgctt tatttaaaaa ccacaaaacc tgtgctgttg atctcataaa 180

tagaacttgt atttatattt attttcattt tagtctgtct tcttggttgc tgttgataga 240

cactaaaaga gtattagata ttatctaagt ttgaatataa ggctataaat atttaataat 300

ttttaaaata gtattcttgg taattgaatt attcttctgt ttaaaggcag aagaaataat 360

tgaacatcat cctgagtttt tctgtaggaa tcagagccca atattttgaa acaaatgcat 420

aatctaagtc aaatggaaag aaatataaaa agtaacatta ttacttcttg ttttcttcag 480

tatttaacaa tccttttttt tcttcccttg cccagacaag agt 523

<210> 162
<211> 9
<212> PRT
<213> Unknown

<220>
<223> Description of Unknown: 'LAGLIDADG' family peptide
motif sequence

<400> 162
Leu Ala Gly Leu Ile Asp Ala Asp Gly
1 5

<210> 163
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 163
Asn Arg His His Leu Lys Ser
1 5

<210> 164
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 164
gttgaagatt gaattcataa c 21

<210> 165
<211> 364
<212> DNA
<213> Rattus norvegicus

<400> 165
ttagagaagt atattagagc gagtttctct gcacacagac cacctttcct gtcaacccca 60

ctagcctctg gcacaatgaa gtgggtaacc tttctcctcc tcctcttcat ctccggttct 120

gccttttcca ggggtgtgtt tcgccgagaa gcacgtaagc attctatgtt ttctcatctc 180

tacttttatt tttcgtagta acggaagcca ggtatttcaa aattacttaa attttccttt 240

ggtgatgatt aatatcacca ttattattat tattattatt attattatta catttgcatc 300

tgagaatcct atgtggtta tattaatgta ttttagataa ctccgatgac aataatgggg 360

ggac 364