SEQUENCE LISTING

<110> STANEK, Lisa M.
PALERMO, Adam
RICHARDS, Brenda
SARDI, Sergio Pablo
O'RIORDAN, Catherine
SONG, Antonius

<120> VARIANT RNAi

<130> 159792010140

<140> Not Yet Assigned
<141> Concurrently Herewith

<150> US 62/114,578
<151> 2015-02-10

<160> 26

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 20
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 1
uagacaauga uucacacggu 20

<210> 2
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 2
accgugugc auugucuaa 19

<210> 3
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 3
accgugugaa ucauugucua a 21

<210> 4
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 4
tagacaatga ttcacacggt 20

<210> 5
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 5
accgtgtgtc attgtctaa 19

<210> 6
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 6
accgtgtgaa tcattgtcut aa 22

<210> 7
<211> 65
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 7
ugcuguagac aaugauucac acgguguuuu ggccacugac ugacaccgug ucauugucua 60
acagg 65

<210> 8
<211> 65
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 8
tgctgtagac aatgattcac acggtgtttt ggccactgac tgacaccgtg tcattgtcta 60
acagg 65

<210> 9
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 9
ctccgtccgg tagacatgct 20

<210> 10
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 10
ggaaatcaga accctcaaat gg 22

<210> 11
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 11
tgagcactgt tcaactgtgt gtatcggga 29

<210> 12
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 12
cactccctct ctgcgcgctc gctcgctcac tgaggccggg cgaccaaagg tcgcccacgc 60
ccgggctttg cccgggcg 78

<210> 13
<211> 4297
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 13
ttggccactc cctctctgcg cgctcgctcg ctcactgagg ccgggcgacc aaaggtcgcc 60
cgacgcccgg gctttgcccg ggcggcctca gtgagcgagc gagcgcgcag agagggagtg 120
gccaactcca tcactagggg ttcctggagg ggtggagtcg tgacaattcg cccttgggcc 180
taggcaattg gatcccggac cgtcgacatt gattattgac tagttattaa tagtaatcaa 240
ttacggggtc attagttcat agcccatata tggagttccg cgttacataa cttacggtaa 300
atggcccgcc tggctgaccg cccaacgacc cccgcccatt gacgtcaata atgacgtatg 360
ttcccatagt aacgccaata gggactttcc attgacgtca atgggtggag tatttacggt 420
aaactgccca cttggcagta catcaagtgt atcatatgcc aagtacgccc cctattgacg 480
tcaatgacgg taaatggccc gcctggcatt atgcccagta catgacctta tgggactttc 540
ctacttggca gtacatctac gtattagtca tcgctattac catggtcgag gtgagcccca 600
cgttctgctt cactctcccc atctcccccc cctccccacc cccaattttg tatttattta 660
ttttttaatt attttgtgca gcgatggggg cggggggggg gggggggcgc gcgccaggcg 720
gggcggggcg gggcgagggg cggggcgggg cgaggcggag aggtgcggcg gcagccaatc 780
agagcggcgc gctccgaaag tttccttta tggcgaggcg gcggcggcgg cggccctata 840
aaaagcgaag cgcgcggcgg gcgggagtcg ctgcgcgctg ccttcgcccc gtgccccgct 900
ccgccgccgc ctcgcgccgc ccgccccggc tctgactgac cgcgttactc ccacaggtga 960
gcgggcggga cggcccttct cctccgggct gtaattagcg cttggtttaa tgacggcttg 1020
tttcttttct gtggctgcgt gaaagccttg aggggctccg ggagggccct ttgtgcgggg 1080
ggagcggctc ggggggtgcg tgcgtgtgtg tgtgcgtggg gagcgccgcg tgcggctccg 1140
cgctgcccgg cggctgtgag cgctgcgggc gcggcgcggg gctttgtgcg ctccgcagtg 1200
tgcgcgaggg gagcgcggcc gggggcggtg ccccgcggtg cgggggggcc tgcgagggga 1260
acaaaggctg cgtgcggggt gtgtgcgtgg gggggtgagc agggggtgtg ggcgcgtcgg 1320
tcgggctgca acccccccctg cacccccctc cccgagttgc tgagcacggc ccggcttcgg 1380
gtgcggggct ccgtacgggg cgtggcgcgg ggctcgccgt gccgggcggg gggtggcggc 1440
aggtgggggt gccgggcggg gcggggccgc ctcgggccgg ggagggctcg ggggaggggc 1500
gcggcggccc ccggagcgcc ggcggctgtc gaggcgcggc gagccgcagc cattgccttt 1560
tatggtaatc gtgcgagagg gcgcagggac ttcctttgtc ccaaatctgt gcggagccga 1620
aatctgggag gcgccgccgc acccccctcta gcgggcgcgg ggcgaagcgg tgcggcgccg 1680
gcaggaagga aatgggcggg gagggccttc gtgcgtcgcc gcgccgccgt ccccttctcc 1740
ctctccagcc tcggggctgt ccgcgggggg acggctgcct tcgggggggа cggggcaggg 1800
cggggttcgg cttctggcgt gtgaccggcg gctctagagc ctctgctaac catgttcatg 1860
ccttcttctt tttcctacag ctcctgggca acgtgctggt tattgtgctg tctcatcatt 1920
ttggcaaaga attcttcgaa agatctgcta gcttaattaa cccggtcgcc accatggtga 1980
gcaagggcga ggagctgttc accggggtgg tgcccatcct ggtcgagctg gacggcgacg 2040
taaacggcca caagttcagc gtgtccggcg agggcgaggg cgatgccacc tacggcaagc 2100
tgaccctgaa gttcatctgc accaccggca agctgcccgt gccctggccc accctcgtga 2160
ccaccctgac ctacggcgtg cagtgcttca gccgctaccc cgaccacatg aagcagcacg 2220
acttcttcaa gtccgccatg cccgaaggct acgtccagga gcgcaccatc ttcttcaagg 2280

acgacggcaa ctacaagacc cgcgccgagg tgaagttcga gggcgacacc ctggtgaacc 2340
gcatcgagct gaagggcatc gacttcaagg aggacggcaa catcctgggg cacaagctgg 2400
agtacaacta caacagccac aacgtctata tcatggccga caagcagaag aacggcatca 2460
aggtgaactt caagatccgc cacaacatcg aggacggcag cgtgcagctc gccgaccact 2520
accagcagaa cacccccatc ggcgacggcc ccgtgctgct gcccgacaac cactacctga 2580
gcacccagtc cgccctgagc aaagacccca acgagaagcg cgatcacatg gtcctgctgg 2640
agttcgtgac cgccgccggg atcactctcg gcatggacga gctgtaccct ggaggcttgc 2700
tgaaggctgt atgctgttag acaatgattc acacggtgtt ttggccactg actgacaccg 2760
tgtgtcattg tctaacagga cacaaggcct gttactagca ctcacatgga acaaatggcc 2820
atgcatctag agggccctat tctatagtgt cacctaaatg ctagagctcg ctgatcagcc 2880
tcgactgtgc cttctagttg ccagccatct gttgtttgcc cctcccccgt gccttccttg 2940
accctggaag gtgccactcc cactgtcctt tcctaataaa atgaggaaat tgcatcgcat 3000
tgtctgagta ggtgtcattc tattctgggg ggtggggtgg ggcaggacag caaggggggag 3060
gattgggaag acaatagcag gcatgctggg gagctagagt cgaccggacc ggtggaagtc 3120
ctcttcctcg gtgtccttga cttcaaaggg tctctcccat ttgcctggag agaggggaag 3180
gtgggcatca ccaggggtga gtgaaggttt ggaagagtgt agcagaataa gaaaccatga 3240
gtcccctccc tgagaagccc tgagcccccct tgacgacaca catccctcga ggctcagctt 3300
catcatctgt aaaaggtgct gaaactgacc atccaagctg ccgaaaaaga ttgtgtgggg 3360
ataattcaaa actagaggaa gatgcagaat ttctacatcg tggcgatgtc aggctaagag 3420
atgccatcgt ggctgtgcat ttttattgga atcatatgtt tatttgaggg tgtcttggat 3480
attacaaata aaatgttgga gcatcaggca tatttggtac cttctgtcta aggctccctg 3540
ccccttgtta attggcagct cagttattca tccagggcaa acattctgct tactattcct 3600
gagagctttc ctcatcctct agattggcag gggaaatgca gatgcctgag cagcctcccc 3660
tctgccatac caacagagct tcaccatcga ggcatgcaga gtggacaggg gcctcaggga 3720
cccctgatcc cagctttctc attggacaga aggaggagac tggggctgga gagggacctg 3780
ggcccccact aaggccacag cagagccagg actttagctg tgctgactgc agcctggctt 3840
gcctccactg ccctcctttg cctcaagagc aagggagcct cagagtggag gaagcagccc 3900
ctggccttgc ctcccacctc ccctccccta tgctgttttc ctgggacagt gggagctggc 3960
ttagaatgcc ctgggggcccc caggaccctg gcattttaac ccctcagggg caggaaggca 4020
gcctgagata cagaagagtc catcacctgc tgtatgccac acaccatccc cacagttacg 4080
tactagttcg aagccacgcg tccgaagggc gaattgtaga taagtagcat ggcgggttaa 4140
tcattaacta caaggaaccc ctagtgatgg agttggccac tccctctctg cgcgctcgct 4200
cgctcactga ggccgggcga ccaaaggtcg cccgacgccc gggctttgcc cgggcggcct 4260
cagtgagcga gcgagcgcgc agagagggag tggccaa 4297

<210> 14
<211> 132
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 14
ctggaggctt gctgaaggct gtatgctgtt agacaatgat tcacacggtg ttttggccac 60
tgactgacac cgtgtgtcat tgtctaacag gacacaaggc ctgttactag cactcacatg 120
gaacaaatgg cc 132

<210> 15
<211> 20
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 15
ucgacaauga uucacacggu 20

<210> 16
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 16
accguguguc auugucgaa 19

<210> 17
<211> 20
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 17
uagacgauga uucacacggu 20

<210> 18
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 18
accguguguc aucgucuaa 19

<210> 19
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 19
tagacaatga ttcacacggt gttttggcca ctgactgaca ccgtgtgtca ttgtctaa 58

<210> 20

<211> 63
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 20
tgctgtagac aatgattcac acggtgtttt ggccactgac tgacaccgtg tgtcattgtc 60
taa 63

<210> 21
<211> 63
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 21
tgctgtcgac aatgattcac acggtgtttt ggccactgac tgacaccgtg tgtcattgtc 60
gaa 63

<210> 22
<211> 63
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 22
tgctgtagac gatgattcac acggtgtttt ggccactgac tgacaccgtg tgtcatcgtc 60
taa 63

<210> 23
<211> 66
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 23
ugcuguagac aaugauucac acgguguuuu ggccacugac ugacaccgug ugucauuguc 60
uacagg 66

<210> 24
<211> 67
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 24
ugcuguagac aaugauucac acgguguuuu ggccacugac ugacaccgug ugucauuguc 60
uaacagg 67

<210> 25
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 25
tcgacaatga ttcacacggt gttttggcca ctgactgaca ccgtgtgtca ttgtcgaa 58

<210> 26
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 26
tagacgatga ttcacacggt gttttggcca ctgactgaca ccgtgtgtca tcgtctaa 58