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<120> Antisense-Oligonucleotides as Inhibitors of TGF-R signaling

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<151> 2014-11-16

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cuucuggguu aucagcauaa acuggaaugu agugucagag gauacugugg cuuguuuugu 4320

uuauguuuuu uuuucuuauu caagaaaaaa gaccaaggaa uaacauucug uaguuccuaa 4380

aaauacugac uuuuuucacu acuauacaua aagggaaagu uuuauucuuu uauggaacac 4440

uucagcugua cucauguauu aaaauaggaa ugugaaugcu auauacucuu uuuauaucaa 4500

aagucucaag cacuuauuuu uauucuaugc auuguuuguc uuuuacauaa auaaaauguu 4560

uauuagauug aauaaagcaa aauacucagg ugagcauccu gccuccuguu cccauuccua 4620

guagcuaaa 4629

<210> 4
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 4
tggtccattc 10

<210> 5
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 5
ccctaaacac 10

<210> 6
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 6
actaccaaat 10

<210> 7
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 7
ggacgcgtat 10

<210> 8
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 8
gtctatgacg 10

<210> 9
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 9
ttattaatgc 10

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

<220>
<223> General Formula S3

<220>
<221> misc_feature
<222> (1)..(1)
<223> n may represent 5'TGCCCCAGAAGAGCTATTTGGTAG'3 or sequences derived from 5'TGCCCCAGAAGAGCTATTTGGTAG'3, wherein one or more nucleotides are eliminated from the 5'-end and wherein n is at least G

<220>
<221> misc_feature
<222> (10)..(10)
<223> n may represent 5'GAGCCGTCTTCAGGAATCTTCTCC'3 or sequences derived from 5'GAGCCGTCTTCAGGAATCTTCTCC'3, wherein one or more nucleotides are eliminated from the 3'-end and wherein n is at least G

<400> 10
ntgtttaggn 10

<210> 11
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> General Formula S4

<220>
<221> misc_feature
<222> (1)..(1)
<223> n may represent 5'GCCCAGCCTGCCCCAGAAGAGCTA'3 or sequences derived from 5'GCCCAGCCTGCCCCAGAAGAGCTA'3, wherein one or more nucleotides are eliminated from the 5'-end and wherein n is at least A

<220>
<221> misc_feature
<222> (10)..(10)
<223> n may represent 5'TGTTTAGGGAGCCGTCTTCAGGAA'3 or sequences derived from 5'TGTTTAGGGAGCCGTCTTCAGGAA'3, wherein one or more nucleotides are eliminated from the 3'-end and wherein n is at least T

<400> 11
ntttggtagn 10

<210> 12
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> General Formula S1

<220>
<221> misc_feature
<222> (1)..(1)
<223> n may represent 5'CATGGCAGACCCCGCTGCTC'3 or sequences derived from 5'CATGGCAGACCCCGCTGCTC'3, wherein one or more nucleotides are eliminated from the 5'-end and wherein n is at least C

<220>
<221> misc_feature
<222> (10)..(10)
<223> n may represent 5'CCGAGCCCCCAGCGCAGCGG'3 or sequences derived from 5'CCGAGCCCCCAGCGCAGCGG'3, wherein one or more nucleotides are eliminated from the 3'-end and wherein n is at least C

<400> 12
ngtcatagan 10

<210> 13
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 13
gctcgtcata gaccga 16

<210> 14
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 14
cgatacgcgt ccacag 16

<210> 15
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 15
gtagtgttta gggagc 16

<210> 16
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 16
gctatttggt agtgtt 16

<210> 17
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 17
catgaatgga ccagta 16

<210> 18
<211> 16
<212> DNA

<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 18
aggcattaat aaagtg 16

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

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 19
ccgctgctcg tcatagac 18

<210> 20
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 20
cgctgctcgt catagacc 18

<210> 21
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 21

gctgctcgtc atagaccg 18

<210> 22
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 22
ctgctcgtca tagaccga 18

<210> 23
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 23
tgctcgtcat agaccgag 18

<210> 24
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 24
gctcgtcata gaccgagc 18

<210> 25
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 25
ctcgtcatag accgagcc 18

<210> 26
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 26
tcgtcataga ccgagccc 18

<210> 27
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 27
cgtcatagac cgagcccc 18

<210> 28
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 28
cgctgctcgt catagac 17

<210> 29
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 29
gctgctcgtc atagacc 17

<210> 30
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 30
ctgctcgtca tagaccg 17

<210> 31
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 31
tgctcgtcat agaccga 17

<210> 32
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming

growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 32
gctcgtcata gaccgag 17

<210> 33
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 33
ctcgtcatag accgagc 17

<210> 34
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 34
tcgtcataga ccgagcc 17

<210> 35
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 35
cgtcatagac cgagccc 17

<210> 36

<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 36
gctgctcgtc atagac 16

<210> 37
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 37
ctgctcgtca tagacc 16

<210> 38
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 38
tgctcgtcat agaccg 16

<210> 39
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 39
gctcgtcata gaccga 16

<210> 40
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 40
ctcgtcatag accgag 16

<210> 41
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 41
tcgtcataga ccgagc 16

<210> 42
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 42
cgtcatagac cgagcc 16

<210> 43
<211> 15
<212> DNA

<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 43
ctgctcgtca tagac 15

<210> 44
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 44
tgctcgtcat agacc 15

<210> 45
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 45
gctcgtcata gaccg 15

<210> 46
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 46

ctcgtcatag accga 15

<210> 47
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 47
tcgtcataga ccgag 15

<210> 48
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 48
cgtcatagac cgagc 15

<210> 49
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 49
tgctcgtcat agac 14

<210> 50
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 50
gctcgtcata gacc 14

<210> 51
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 51
ctcgtcatag accg 14

<210> 52
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 52
tcgtcataga ccga 14

<210> 53
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 53
cgtcatagac cgag 14

<210> 54
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 54
gctggcgata cgcgtcca 18

<210> 55
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 55
ctggcgatac gcgtccac 18

<210> 56
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 56
tggcgatacg cgtccaca 18

<210> 57
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming

growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 57
ggcgatacgc gtccacag 18

<210> 58
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 58
gcgatacgcg tccacagg 18

<210> 59
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 59
cgatacgcgt ccacagga 18

<210> 60
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 60
gatacgcgtc cacaggac 18

<210> 61

<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 61
atacgcgtcc acaggacg 18

<210> 62
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 62
tacgcgtcca caggacga 18

<210> 63
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 63
ctggcgatac gcgtcca 17

<210> 64
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 64
tggcgatacg cgtccac 17

<210> 65
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 65
ggcgatacgc gtccaca 17

<210> 66
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 66
gcgatacgcg tccacag 17

<210> 67
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 67
cgatacgcgt ccacagg 17

<210> 68
<211> 17
<212> DNA

<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 68
gatacgcgtc cacagga 17

<210> 69
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> General Sequence

<220>
<221> misc_feature
<222> (1)..(1)
<223> n may represent 5'CATGGCAGACCCCGCTGCT'3 or sequences derived from 5'CATGGCAGACCCCGCTGCT'3, wherein one or more nucleotides are eliminated from the 5'-end and wherein n is at least T

<220>
<221> misc_feature
<222> (10)..(10)
<223> n may represent 5'CGAGCCCCCAGCGCAGCGG'3 or sequences derived from 5'CGAGCCCCCAGCGCAGCGG'3, wherein one or more nucleotides are eliminated from the 3'-end and wherein n is at least C

<220>
<221> misc_feature
<222> (12)..(12)
<223> n is a, c, g, or t

<400> 69
ncgtcataga cn 12

<210> 70
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> General Formula

<220>
<221> misc_feature
<222> (1)..(1)
<223> n may represent 5'GGTGGGATCGTGCTGGCGA'3 or sequences derived from 5'GGTGGGATCGTGCTGGCGA'3, wherein one or more nucleotides are eliminated from the 5'-end and wherein n is at least A

<220>
<221> misc_feature
<222> (12)..(12)
<223> n may represent 5'CAGGACGATGTGCAGCGGC'3 or sequences derived from 5'CAGGACGATGTGCAGCGGC'3, wherein one or more nucleotides are eliminated from the 3'-end and wherein n is at least C

<400> 70
ntacgcgtcc an 12

<210> 71
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> General Sequence

<220>
<221> misc_feature
<222> (1)..(1)
<223> n may represent 5'TGCCCCAGAAGAGCTATTTGGTA'3 or sequences derived from 5'TGCCCCAGAAGAGCTATTTGGTA'3, wherein one or more nucleotides are eliminated from the 5'-end and wherein n is at least A

<220>
<221> misc_feature
<222> (12)..(12)
<223> n may represent 5'AGCCGTCTTCAGGAATCTTCTCC'3 or sequences derived from 5'AGCCGTCTTCAGGAATCTTCTCC'3, wherein one or more nucleotides are eliminated from the 3'-end and wherein n is at least A

<400> 71
ngtgtttagg gn 12

<210> 72
<211> 12
<212> DNA

<213> Artificial Sequence

<220>
<223> General Sequence

<220>
<221> misc_feature
<222> (1)..(1)
<223> n may represent 5'GCCCAGCCTGCCCCAGAAGAGCT'3 or sequences derived from 5'GCCCAGCCTGCCCCAGAAGAGCT'3, wherein one or more nucleotides are eliminated from the 5'-end and wherein n is at least T

<220>
<221> misc_feature
<222> (12)..(12)
<223> n may represent 5'GTTTAGGGAGCCGTCTTCAGGAA'3 or sequences derived from 5'GTTTAGGGAGCCGTCTTCAGGAA'3, wherein one or more nucleotides are eliminated from the 3'-end and wherein n is at least G

<400> 72
natttggtag tn 12

<210> 73
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> General Sequence

<220>
<221> misc_feature
<222> (1)..(1)
<223> n may represent 5'TGAATCTTGAATATCTCAT'3 or sequences derived from 5'TGAATCTTGAATATCTCAT'3, wherein one or more nucleotides are eliminated from the 5'-end and wherein n is at least T

<220>
<221> misc_feature
<222> (12)..(12)
<223> n may represent 5'GTATTCTAGAAACTCACCA'3 or sequences derived from 5'GTATTCTAGAAACTCACCA'3, wherein one or more nucleotides are eliminated from the 5'-end and wherein n is at least G

<400> 73
ngaatggacc an 12

<210> 74
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> General Sequence

<220>
<221> misc_feature
<222> (1)..(1)
<223> n may represent 5'ATTCATATTTATATACAGG'3 or sequences derived from 5'ATTCATATTTATATACAGG'3, wherein one or more nucleotides are eliminated from the 5'-end and wherein n is at least G

<220>
<221> misc_feature
<222> (12)..(12)
<223> n may represent 5'GTGCAAATGTTATTGGCTA'3 or sequences derived from 5'GTGCAAATGTTATTGGCTA'3, wherein one or more nucleotides are eliminated from the 3'-end and wherein n is at least G

<400> 74
ncattaataa an 12

<210> 75
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 75
gaatcttgaa tatctcatga atggaccagt attctagaaa c 41

<210> 76
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Reference Oligonucleotide (scrambled control)

<400> 76
aacacgtcta tacgc 15

<210> 77
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 77
ttcatattta tatacaggca ttaataaagt gcaaatgtta t 41

<210> 78
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 78
tgaggaagtg ctaacacagc ttatcctatg acaatgtcaa ag 42

<210> 79
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 79
gcctgcccca gaagagctat ttggtagtgt ttagggagcc gtcttcagg 49

<210> 80
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Reference Oligonucleotide

<400> 80
ttgaatatct catgaatgga 20

<210> 81
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 81
cgcaggtcct cccagctgat gacatgccgc gtcaggtact cctgtaggt 49

<210> 82
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Reference Oligonucleotide

<400> 82
cagaagagct atttggtagt 20

<210> 83
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 83
atgtcgttat taaccgactt ctgaacgtgc ggtgggatcg tgctggcgat acgcgtccac 60

aggacgatgt gcagcggc 78

<210> 84
<211> 74
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 84
ggccacaggc ccctgagcag cccccgaccc atggcagacc ccgctgctcg tcatagaccg 60

agcccccagc gcag 74

<210> 85
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Reference Oligonucleotide

<400> 85
tggtagtgtt tagggagccg 20

<210> 86
<211> 149
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 86
atgtcgttat taaccgactt ctgaacgtgc ggtgggatcg tgctggcgat acgcgtccac 60

aggacgatgt gcagcggcca caggcccctg agcagccccc gacccatggc agaccccgct 120

gctcgtcata gaccgagccc ccagcgcag 149

<210> 87
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 87
ttgaatatct catgaatgga ccagtattct a 31

<210> 88
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 88
caagtggaat ttctaggcgc ctctatgcta ctg 33

<210> 89
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 89
atttatatac aggcattaat aaagtgcaaa t 31

<210> 90
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 90
aagtgctaac acagcttatc ctatgacaat gt 32

<210> 91
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 91
ccccagaaga gctatttggt agtgtttagg gagccgtct 39

<210> 92
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 92
ctggtcgccc tcgatctctc aacacgttgt ccttcatgct ttcgacacag gggtgctccc 60

gcaccttgga accaaatg 78

<210> 93
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 93
gtcctcccag ctgatgacat gccgcgtcag gtactcctg 39

<210> 94
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 94
ctcagcttct gctgccggtt aacgcggtag cagtagaaga 40

<210> 95
<211> 68
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 95
gttattaacc gacttctgaa cgtgcggtgg gatcgtgctg gcgatacgcg tccacaggac 60

gatgtgca 68

<210> 96
<211> 64
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 96
caggcccctg agcagccccc gacccatggc agaccccgct gctcgtcata gaccgagccc 60

ccag 64

<210> 97
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript

variant 2

<400> 97
cacgcgcggg ggtgtcgtcg ctccgtgcgc gcgagtgact cactcaactt ca 52

<210> 98
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> General formula S2

<220>
<221> misc_feature
<222> (1)..(1)
<223> w may represent 5'GGTGGGATCGTGCTGGCGAT'3 or sequences derived from 5'GGTGGGATCGTGCTGGCGAT'3, wherein one or more nucleotides are eliminated from the 5'-end and wherein w is at least T

<220>
<221> misc_feature
<222> (10)..(10)
<223> r may represent 5'ACAGGACGATGTGCAGCGGC'3 or sequences derived from 5'ACAGGACGATGTGCAGCGGC'3, wherein one or more nucleotides are eliminated from the 3'-end and wherein w is at least A

<400> 98
nacgcgtccn 10

<210> 99
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> General formula S5

<220>
<221> misc_feature
<222> (1)..(1)
<223> w may represent 5'CCCAGCCTGCCCCAGAAGAGCTATTTG'3 or sequences derived from 5'CCCAGCCTGCCCCAGAAGAGCTATTTG'3, wherein one or more nucleotides are eliminated from the 5'-end and wherein w is at least G

<220>
<221> misc_feature
<222> (10)..(10)
<223> r may represent 5'TAGGGAGCCGTCTTCAGGAATCTTCTC'3 or sequences derived from 5'TAGGGAGCCGTCTTCAGGAATCTTCTC'3, wherein one or more nucleotides are eliminated from the 3'-end and wherein w is at least G

<400> 99
ngtagtgttn 10

<210> 100
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> General formula S6

<220>
<221> misc_feature
<222> (1)..(1)
<223> w may represent 5'TGAATCTTGAATATCTCATG'3 or sequences derived from 5'TGAATCTTGAATATCTCATG'3, wherein one or more nucleotides are eliminated from the 5'-end and wherein w is at least G

<220>
<221> misc_feature
<222> (1)..(1)
<223> n may represent 5'TGAATCTTGAATATCTCATG'3 or sequences derived from 5'TGAATCTTGAATATCTCATG'3, wherein one or more nucleotides are eliminated from the 5'-end and wherein n is at least G

<220>
<221> misc_feature
<222> (10)..(10)
<223> r may represent 5'AGTATTCTAGAAACTCACCA'3 or sequences derived from 5'AGTATTCTAGAAACTCACCA'3, wherein one or more nucleotides are eliminated from the 3'-end and wherein w is at least A

<400> 100
naatggaccn 10

<210> 101
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> General formula S7

<220>
<221> misc_feature
<222> (1)..(1)
<223> w may represent 5'ATTCATATTTATATACAGGC'3 or sequences derived
       from 5'ATTCATATTTATATACAGGC'3, wherein one or more nucleotides
       are eliminated from the 5'-end and wherein w is at least C

<220>
<221> misc_feature
<222> (10)..(10)
<223> r may represent 5'AGTGCAAATGTTATTGGCTA'3 or sequences derived
       from 5'AGTGCAAATGTTATTGGCTA'3, wherein one or more nucleotides
       are eliminated from the 3'-end and wherein w is at least A

<220>
<221> misc_feature
<222> (10)..(10)
<223> n may represent 5'AGTGCAAATGTTATTGGCTA'3 or sequences derived
       from 5'AGTGCAAATGTTATTGGCTA'3, wherein one or more nucleotides
       are eliminated from the 3'-end and wherein n is at least A

<400> 101
nattaataan   10

<210> 102
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming
       growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript
       variant 2

<400> 102
gcgagtgact cactcaa   17

<210> 103
<211> 15
<212> DNA
<213> Artificial Sequence

<220>

<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 103
cgagtgactc actca 15

<210> 104
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 104
gcgagtgact cactca 16

<210> 105
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 105
cgcgagtgac tcactca 17

<210> 106
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 106
cgagtgactc actc 14

<210> 107
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 107
cgcgagtgac tcactc 16

<210> 108
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 108
gcgcgagtga ctcactc 17

<210> 109
<211> 14
<212> DNA
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<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 109
gcgagtgact cact 14

<210> 110
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript

variant 2

<400> 110
gcgcgagtga ctcact 16

<210> 111
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 111
cgcgcgagtg actcact 17

<210> 112
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 112
cgagtgactc ac 12

<210> 113
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 113
gcgagtgact cac 13

<210> 114
<211> 14

<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 114
cgcgagtgac tcac 14

<210> 115
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 115
cgcgcgagtg actcac 16

<210> 116
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 116
gcgcgcgagt gactcac 17

<210> 117
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 117
cgcgagtgac tca 13

<210> 118
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 118
gcgcgagtga ctca 14

<210> 119
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 119
cgcgcgagtg actca 15

<210> 120
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 120
gcgcgcgagt gactca 16

<210> 121
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 121
tgcgcgcgag tgactca 17

<210> 122
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 122
cgcgcgagtg actc 14

<210> 123
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
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<400> 123
tgcgcgcgag tgactc 16

<210> 124
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
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<400> 124
gtgcgcgcga gtgactc 17

<210> 125
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 125
cgcgcgagtg act 13

<210> 126
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 126
tgcgcgcgag tgac 14

<210> 127
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 127
cgtgcgcgcg agtgac 16

<210> 128
<211> 13
<212> DNA
<213> Artificial Sequence

<220>

<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 128
tgcgcgcgag tga 13

<210> 129
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 129
gtcgtcgctc cgtgcg 16

<210> 130
<211> 15
<212> DNA
<213> Artificial Sequence

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<400> 130
gtcgtcgctc cgtgc 15

<210> 131
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
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<400> 131
gtgtcgtcgc tccgtgc 17

<210> 132
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
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<400> 132
tcgtcgctcc gtg 13

<210> 133
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
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<400> 133
tgtcgtcgct ccgtg 15

<210> 134
<211> 12
<212> DNA
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<220>
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<400> 134
tcgtcgctcc gt 12

<210> 135
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript

variant 2

<400> 135
gtcgtcgctc cgt 13

<210> 136
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
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<400> 136
tgtcgtcgct ccgt 14

<210> 137
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
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<400> 137
gtgtcgtcgc tccgt 15

<210> 138
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 138
ggtgtcgtcg ctccgt 16

<210> 139
<211> 16

<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 139
cgtcatagac cgagcc 16

<210> 140
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 140
atagaccgag cc 12

<210> 141
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 141
gctcgtcata gaccga 16

<210> 142
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 142
cgtcatagac cga 13

<210> 143
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 143
ctcgtcatag accg 14

<210> 144
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
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<400> 144
gctcgtcata gaccg 15

<210> 145
<211> 14
<212> DNA
<213> Artificial Sequence

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<400> 145
gctcgtcata gacc 14

<210> 146
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 146
cagcccccga cccatgg 17

<210> 147
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Reference Oligonucleotide

<400> 147
cagcccccga cccatg 16

<210> 148
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 148
agcccccgac ccat 14

<210> 149
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 149
cagcccccga cccaagcccc cgacccat 28

<210> 150
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 150
cgcgtccaca ggacgat 17

<210> 151
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 151
cgcgtccaca ggac 14

<210> 152
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 152
cgatacgcgt ccaca 15

<210> 153
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript

variant 2

<400> 153
cgatacgcgt cca 13

<210> 154
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 154
tggcgatacg cgtcca 16

<210> 155
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 155
cgatacgcgt cc 12

<210> 156
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 156
gcgatacgcg tcc 13

<210> 157
<211> 17

<212> DNA
<213> Artificial Sequence

<220>
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<400> 157
gctggcgata cgcgtcc 17

<210> 158
<211> 15
<212> DNA
<213> Artificial Sequence

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<400> 158
ctggcgatac gcgtc 15

<210> 159
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
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<400> 159
gcgatacgcg tc 12

<210> 160
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
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<400> 160
gctggcgata cgcgtc 16

<210> 161
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
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<400> 161
tggcgatacg cgtc 14

<210> 162
<211> 13
<212> DNA
<213> Artificial Sequence

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<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 162
tggcgatacg cgt 13

<210> 163
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
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<400> 163
ctggcgatac gcgt 14

<210> 164
<211> 12
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<213> Artificial Sequence

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<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 164
ggcgatacgc gt 12

<210> 165
<211> 13
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variant 2

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<210> 196
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<210> 197
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<210> 198
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<210> 199
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<210> 203
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variant 2

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<210> 204
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<210> 206
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<210> 207
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<210> 208
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<400> 208
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<210> 209
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<210> 210
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<210> 211
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<210> 212
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<210> 213
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<400> 213
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<210> 214
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<210> 218
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<210> 221
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variant 2

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<210> 240
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<210> 243
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<210> 244
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<210> 245
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<210> 246
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variant 2

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<210> 255
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<210> 256
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<210> 257
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<213> Artificial Sequence

<220>
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<400> 260
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<210> 261
<211> 14
<212> DNA
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<220>
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<400> 261
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<210> 262
<211> 15
<212> DNA
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<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 262
tagtgtttag ggagc 15

<210> 263
<211> 17
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<220>
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<400> 263
gtagtgttta gggagcc 17

<210> 264
<211> 18
<212> DNA
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<220>
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<400> 264
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<210> 265
<211> 19
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<220>
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<400> 265
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<210> 266
<211> 20
<212> DNA
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<220>
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<400> 266
tggtagtgtt tagggagccg 20

<210> 267
<211> 22
<212> DNA
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<220>
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<400> 267
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<210> 268
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 268
tttggtagtg tttagggagc cgtc 24

<210> 269
<211> 26
<212> DNA
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<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 269
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<210> 270
<211> 28
<212> DNA
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<220>
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<400> 270
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<210> 271
<211> 10
<212> DNA
<213> Artificial Sequence

<220>

<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 271
atttggtagt 10

<210> 272
<211> 12
<212> DNA
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<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 272
tatttggtag tg 12

<210> 273
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
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<400> 273
tatttggtag tgt 13

<210> 274
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
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<400> 274
ctatttggta gtgt 14

<210> 275
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
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<400> 275
ctatttggta gtgtt 15

<210> 276
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
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<400> 276
gctatttggt agtgttt 17

<210> 277
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
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<400> 277
agctatttgg tagtgttt 18

<210> 278
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
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variant 2

<400> 278
agctatttgg tagtgttta 19

<210> 279
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 279
gagctatttg gtagtgttta 20

<210> 280
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
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<400> 280
agagctattt ggtagtgttt ag 22

<210> 281
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 281
aagagctatt tggtagtgtt tagg 24

<210> 282
<211> 26

<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 282
gaagagctat ttggtagtgt ttaggg 26

<210> 283
<211> 28
<212> DNA
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<220>
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<400> 283
agaagagcta tttggtagtg tttaggga 28

<210> 284
<211> 10
<212> DNA
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<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 284
cattaataaa 10

<210> 285
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 285
gcattaataa ag 12

<210> 286
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 286
gcattaataa agt 13

<210> 287
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
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<400> 287
ggcattaata aagt 14

<210> 288
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 288
ggcattaata aagtg 15

<210> 289
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
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<400> 289
aggcattaat aaagtg 16

<210> 290
<211> 18
<212> DNA
<213> Artificial Sequence

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<400> 290
caggcattaa taaagtgc 18

<210> 291
<211> 19
<212> DNA
<213> Artificial Sequence

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<400> 291
acaggcatta ataaagtgc 19

<210> 292
<211> 20
<212> DNA
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<220>
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<400> 292
acaggcatta ataaagtgca 20

<210> 293
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2

<400> 293
tacaggcatt aataaagtgc aa 22

<210> 294
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
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<400> 294
atacaggcat taataaagtg caaa 24

<210> 295
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
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<400> 295
tatacaggca ttaataaagt gcaaat 26

<210> 296
<211> 11
<212> DNA
<213> Artificial Sequence

<220>

<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 296
ctggtccatt c 11

<210> 297
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 297
tggtccattc a 11

<210> 298
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 298
ctggtccatt ca 12

<210> 299
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 299
tccctaaaca c 11

<210> 300
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 300
ccctaaacac t 11

<210> 301
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 301
tccctaaaca ct 12

<210> 302
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 302
cactaccaaa t 11

<210> 303
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant

2, sense

<400> 303
actaccaaat a 11

<210> 304
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 304
cactaccaaa ta 12

<210> 305
<211> 11
<212> DNA
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<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 305
tggacgcgta t 11

<210> 306
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 306
ggacgcgtat c 11

<210> 307
<211> 12

<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 307
tggacgcgta tc 12

<210> 308
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 308
ggtctatgac g 11

<210> 309
<211> 11
<212> DNA
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<220>
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<400> 309
gtctatgacg a 11

<210> 310
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 310
ggtctatgac ga 12

<210> 311
<211> 11
<212> DNA
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<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 311
tttattaatg c 11

<210> 312
<211> 11
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 312
ttattaatgc c 11

<210> 313
<211> 12
<212> DNA
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<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 313
tttattaatg cc 12

<210> 314
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 314
actggtccat tc 12

<210> 315
<211> 12
<212> DNA
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<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 315
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<210> 316
<211> 13
<212> DNA
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<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 316
ctggtccatt cat 13

<210> 317
<211> 13
<212> DNA
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<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 317
actggtccat tca 13

<210> 318
<211> 14
<212> DNA
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<220>
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<400> 318
actggtccat tcat 14

<210> 319
<211> 12
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<220>
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<400> 319
ctccctaaac ac 12

<210> 320
<211> 12
<212> DNA
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<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 320
ccctaaacac ta 12

<210> 321
<211> 13
<212> DNA
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<220>

<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 321
tccctaaaca cta 13

<210> 322
<211> 13
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<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 322
ctccctaaac act 13

<210> 323
<211> 14
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<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 323
ctccctaaac acta 14

<210> 324
<211> 12
<212> DNA
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<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 324
acactaccaa at 12

<210> 325
<211> 12
<212> DNA
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<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 325
actaccaaat ag 12

<210> 326
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 326
cactaccaaa tag 13

<210> 327
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 327
acactaccaa ata 13

<210> 328
<211> 14
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<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant

2, sense

<400> 328
acactaccaa atag 14

<210> 329
<211> 12
<212> DNA
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<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 329
gtggacgcgt at 12

<210> 330
<211> 12
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<220>
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<400> 330
ggacgcgtat cg 12

<210> 331
<211> 13
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<220>
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<400> 331
tggacgcgta tcg 13

<210> 332
<211> 13

<212> DNA
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<400> 332
gtggacgcgt atc 13

<210> 333
<211> 14
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<400> 333
gtggacgcgt atcg 14

<210> 334
<211> 12
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<400> 334
cggtctatga cg 12

<210> 335
<211> 12
<212> DNA
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<220>
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<400> 335
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<210> 336
<211> 13
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<210> 337
<211> 13
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<210> 338
<211> 14
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<220>
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<400> 338
cggtctatga cgag 14

<210> 339
<211> 12
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<220>
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<400> 339
ctttattaat gc 12

<210> 340
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 340
ttattaatgc ct 12

<210> 341
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 341
tttattaatg cct 13

<210> 342
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
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<400> 342
ctttattaat gcc 13

<210> 343
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Target sequence within the homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBR2), transcript variant 2, sense

<400> 343
ctttattaat gcct 14

<210> 344
<211> 20
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<220>
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<400> 344
gtgcagggga aagatgaaaa 20

<210> 345
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<220>
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<400> 345
gagctcttga ggtccctgtg 20

<210> 346
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<400> 346
agcctctttc ctcatgcaaa 20

<210> 347
<211> 20
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<220>
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<400> 347
ccttctctgc ttggttctgg 20

<210> 348
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<212> DNA
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<220>
<223> Reference Oligonucleotide

<400> 348
gccatggagt agacatcggt 20

<210> 349
<211> 17
<212> DNA
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<220>
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<400> 349
atacgcgtcc acaggac 17

<210> 350
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<220>
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<400> 350
tacgcgtcca caggacg 17

<210> 351
<211> 16
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tggcgatacg cgtcca 16

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cgatacgcgt ccacag 16

<210> 355
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gatacgcgtc cacagg 16

<210> 356
<211> 16
<212> DNA
<213> Artificial Sequence

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<400> 356
atacgcgtcc acagga 16

<210> 357
<211> 16
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