

SEQUENCE LISTING

<110> CeMM - Forschungszentrum für Molekulare Medizin GmbH

<120> Method for sequencing RNA oligonucleotides

<130> AC1989 PCT S3

<160> 19

<170> BiSSAP 1.3.6

<210> 1

<211> 97

<212> DNA

<213> Artificial Sequence

<220>

<223> Reverse transcription primer

<220>

<221> misc_feature

<222> 45..64

<223> /note="n = a, t, g or c"

<220>

<221> misc_feature

<222> 97

<223> /note="n = a, t, g or c"

<400> 1

tcgtcggcag cgtcggatgc tgagtgattg cttgtgacgc cttcnnnnnn nnnnnnnnnn 60

nnnnvttttt tttttttttt tttttttttt tttttvn 97

<210> 2

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> primer 06-11_Partial-P5

<400> 2

aatgatacgg cgaccaccga ga 22

<210> 3

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<223> indexed 06-11_P7-Read2N-00X primer

<220>

<221> misc_feature

<222> 25..32

<223> /note="n = t, g, a or c"

<400> 3

caagcagaag acggcatacg agatnnnnnn nngtctcgtg ggctcgg

47

<210> 4

<211> 86

<212> DNA

<213> Artificial Sequence

<220>

<223> Reverse transcription primer

<220>

<221> modified_base

<222> 1

<223> /mod_base="OTHER"

/note="5' phosphorylation"

<220>

<221> misc_feature

<222> 34..53

<223> /note="n = a, t, g or c"

<220>

<221> misc_feature

<222> 86

<223> /note="n = a, t, g or c"

<400> 4

acactctttc cctacacgac gctcttcga tctnnnnnnn nnnnnnnnnn nnnvtttttt

60

tttttttttt tttttttttt ttttvn

86

<210> 5

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Bridge Oligo

<220>

<221> misc_feature

<222> 37

<223> /note="n = next base is dideoxy nucleotide"

<400> 5

cgtcgtgtag ggaaagagtg tgacgctgcc gacganc

38

<210> 6

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> /note="combined DNA/RNA molecule"

/note="Template Switching Oligo"

<220>

<221> misc_feature

<222> 28..30

<223> /note="n = RNA base g"

<400> 6

aagcagtgggt atcaacgcag agtgaatnnn

30

<210> 7

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> TSO Enrichment Primer

<400> 7

aagcagtgggt atcaacgcag agt

23

<210> 8

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Random primer

<220>

<221> modified_base

<222> 1
<223> /mod_base="OTHER"
/note="biotin modification (optional)"

<220>
<221> misc_feature
<222> 35..38
<223> /note="n = a, t, c or g"

<400> 8
gtctcgtggg ctcggagatg tgtataagag acagnnnn

38

<210> 9
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide Tn5-top_ME

<220>
<221> modified_base
<222> 1
<223> /mod_base="OTHER"
/note="5' phosphorylation"

<400> 9
ctgtctctta tacacatct

19

<210> 10
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide Tn5-bottom_Read2N

<400> 10
gtctcgtggg ctcggagatg tgtataagag acag

34

<210> 11
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide pUC19-FWD

<400> 11
aagtgccacc tgacgtctaa g 21

<210> 12
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide pUC19-REV

<400> 12
caacaattaa tagactggat ggaggcgg 28

<210> 13
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Sequencing primer 18-12_scifi_SEQ_inDrop_read1

<220>
<221> misc_feature
<222> 28
<223> /note="n = phosphorothioate bond"

<220>
<221> misc_feature
<222> 30
<223> /note="n = phosphorothioate bond"

<220>
<221> misc_feature
<222> 32
<223> /note="n = phosphorothioate bond"

<400> 13
ggatgctgag tgattgcttg tgacgccntn tnc 33

<210> 14
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Sequencing primer 18-12_scifi_SEQ_inDrop_index2

<220>
<221> misc_feature
<222> 18
<223> /note="n = phosphorothioate bond"

<220>
<221> misc_feature
<222> 20
<223> /note="n = phosphorothioate bond"

<220>
<221> misc_feature
<222> 22
<223> /note="n = phosphorothioate bond"

<400> 14
gcatccgacg ctgccgancn gna 23

<210> 15
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> hU6 no extension

<400> 15
cttgtggaaa ggacgaaaca ccg 23

<210> 16
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> hU6 shorter

<400> 16
gtctcgtggg ctcggtgtgg aaaggacgaa acaccg 36

<210> 17
<211> 55
<212> DNA
<213> Artificial Sequence

<220>
<223> hU6 short

<400> 17
gtctcgtggg ctcggagatg tgtataagag acagtgtgga aaggacgaaa caccg 55

<210> 18
<211> 87
<212> DNA
<213> Artificial Sequence

<220>
<223> hU6 full Nextera

<400> 18
caagcagaag acggcatacg agattcgcct tagtctcgtg ggctcggaga tgtgtataag 60
agacagtgtg gaaaggacga aacaccg 87

<210> 19
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> gRNA backbone REV1

<400> 19
gtgtctcaag atctagttac gccaagc 27