SEQUENCE LISTING

<110> ARROWHEAD PHARMACEUTICALS, INC.

<120> RNAi Agents for Inhibiting Expression of Mucin 5AC (MUC5AC), Compositions Thereof, and Methods of Use

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<151> 2021-05-28

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<223> n = 2'-O-methylinosine-3'-phosphate

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ucaacacugc aggugauguc c 21

<210> 1596
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<210> 1597
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<400> 1597
uaucuugucc ucaucaaaga c   21

<210> 1598
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<210> 1599
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<400> 1599
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<210> 1600
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<400> 1600
uguuguugaa gaugaucucg u 21

<210> 1601
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<210> 1604
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<400> 1604
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<210> 1605
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<210> 1607
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<400> 1608
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<220>
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<400> 1610
ugcuccaagg ccaucaagau u 21

<210> 1611
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<400> 1611
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<210> 1612
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<220>
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<222> 16
<223> n = inosine (hypoxanthine)

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<210> 1613
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<220>
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<222> 16
<223> n = inosine (hypoxanthine)

<400> 1613
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<210> 1614
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<220>
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<220>
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<223> n = inosine (hypoxanthine)

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<210> 1615
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<210> 1616
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<210> 1617
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<400> 1617
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<210> 1618
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<400> 1618
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<210> 1619
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<220>
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<223> n = inosine (hypoxanthine)

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<210> 1620
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<220>
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<210> 1621
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<220>
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<220>
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<223> n = inosine (hypoxanthine)

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<210> 1622
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<213> Artificial sequence

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<400> 1622
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<210> 1623
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<220>
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<220>
<221> modified_base
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<223> n = inosine (hypoxanthine)

<400> 1623
cagcuuccac uacaanaccu u 21

<210> 1624
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<220>
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<400> 1624
cagcuuccac uacaagaccu u 21

<210> 1625
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<210> 1626
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<220>
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<220>
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<220>
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<222> 19
<223> n = inosine (hypoxanthine)

<400> 1626
gnaguaugcu caguacugnu a 21

<210> 1627
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<210> 1628
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<220>
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<222> 16
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<220>
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<400> 1631
ggaccagcau cuucaucaac a 21

<210> 1632
<211> 21
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<210> 1633
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<220>
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<400> 1633
cnaggaaacc uacaacaaca u 21

<210> 1634
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<220>
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<400> 1634
ggaaaccuac aacaacauca u 21

<210> 1635
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<220>
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<210> 1636
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<220>
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<222> 17
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<210> 1637
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<220>
<223> RNAi agent sense strand underlying base sequence

<400> 1638
cccacccauc ugcuacaacu a 21

<210> 1639
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<220>
<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
<222> 17
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<210> 1640
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<220>
<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
<222> 16
<223> n = inosine (hypoxanthine)

<400> 1640
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<210> 1641
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<220>
<223> RNAi agent sense strand underlying base sequence

<400> 1641
cagcagggac ccuucaagau a 21

<210> 1642
<211> 21
<212> RNA

<213> Artificial sequence

<220>
<223> RNAi agent sense strand underlying base sequence

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<221> modified_base
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<220>
<221> modified_base
<222> 20
<223> n = inosine (hypoxanthine)

<400> 1642
cnagaugugc cucaacuacn a 21

<210> 1643
<211> 21
<212> RNA
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<220>
<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
<222> 18
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<400> 1643
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<210> 1644
<211> 21
<212> RNA
<213> Artificial sequence

<220>
<223> RNAi agent sense strand underlying base sequence

<400> 1644
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<210> 1645
<211> 21

<212> RNA
<213> Artificial sequence

<220>
<223> RNAi agent sense strand underlying base sequence

<400> 1645
ccaacgucac caucuucaga a 21

<210> 1646
<211> 21
<212> RNA
<213> Artificial sequence

<220>
<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
<222> 2
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<220>
<221> modified_base
<222> 18
<223> n = inosine (hypoxanthine)

<400> 1646
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<210> 1647
<211> 21
<212> RNA
<213> Artificial sequence

<220>
<223> RNAi agent sense strand underlying base sequence

<400> 1647
cauccaggcc gaugacuucc a 21

<210> 1648
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<220>

<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
<222> 2
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<220>
<221> modified_base
<222> 19
<223> n = inosine (hypoxanthine)

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<210> 1649
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<220>
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<400> 1649
acagggacca ccugcuucaa a 21

<210> 1650
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<400> 1650
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<210> 1651
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<212> RNA
<213> Artificial sequence

<220>
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<220>
<221> modified_base

<222> 2
<223> n = 2-aminoadenosine (2-aminoadenine)

<220>
<221> modified_base
<222> 17
<223> n = inosine (hypoxanthine)

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<210> 1652
<211> 21
<212> RNA
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<220>
<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
<222> 20
<223> n = inosine (hypoxanthine)

<400> 1652
aggcaagacc ucugcuucun u 21

<210> 1653
<211> 21
<212> RNA
<213> Artificial sequence

<220>
<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
<222> 20
<223> n = inosine (hypoxanthine)

<400> 1653
uccacagacu gcaccaacun a 21

<210> 1654
<211> 21
<212> RNA
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<220>
<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
<222> 20
<223> n = inosine (hypoxanthine)

<400> 1654
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<210> 1655
<211> 21
<212> RNA
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<220>
<223> RNAi agent sense strand underlying base sequence

<220>
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<222> 19
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<400> 1655
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<210> 1656
<211> 21
<212> RNA
<213> Artificial sequence

<220>
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<220>
<221> modified_base
<222> 16
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<400> 1656
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<210> 1657
<211> 21
<212> RNA

<213> Artificial sequence

<220>
<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
<222> 17
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<400> 1657
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<210> 1658
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<220>
<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
<222> 18
<223> n = inosine (hypoxanthine)

<400> 1658
ccccaacauc aggaacancu u 21

<210> 1659
<211> 21
<212> RNA
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<220>
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<220>
<221> modified_base
<222> 16
<223> n = inosine (hypoxanthine)

<400> 1659
ccuacuacuc gaacuncaug u 21

<210> 1660
<211> 21

<212> RNA
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<220>
<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
<222> 17
<223> n = inosine (hypoxanthine)

<400> 1660
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<210> 1661
<211> 21
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<220>
<223> RNAi agent sense strand underlying base sequence

<400> 1661
gcuggacaug accuguuaca a 21

<210> 1662
<211> 21
<212> RNA
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<220>
<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
<222> 20
<223> n = inosine (hypoxanthine)

<400> 1662
gcagagcuac agcuucaacn a 21

<210> 1663
<211> 21
<212> RNA
<213> Artificial sequence

<220>

<223> RNAi agent sense strand underlying base sequence

<400> 1663
cugcuacaac uaugagaucc a 21

<210> 1664
<211> 21
<212> RNA
<213> Artificial sequence

<220>
<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
<222> 16
<223> n = inosine (hypoxanthine)

<400> 1664
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<210> 1665
<211> 21
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<220>
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<400> 1665
ccuggaccaa gugguuugac a 21

<210> 1666
<211> 21
<212> RNA
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<220>
<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
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<223> n = inosine (hypoxanthine)

<400> 1666
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<210> 1667
<211> 21
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<220>
<223> RNAi agent sense strand underlying base sequence

<400> 1667
cgagaucauc uucaacaaca a 21

<210> 1668
<211> 21
<212> RNA
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<223> RNAi agent sense strand underlying base sequence

<400> 1668
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<210> 1669
<211> 21
<212> RNA
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<220>
<221> modified_base
<222> 19
<223> n = inosine (hypoxanthine)

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<210> 1670
<211> 21
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<220>
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<400> 1670
ggcugauuug ccugaacaag a 21

<210> 1671
<211> 21
<212> RNA
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<220>
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<222> 17
<223> n = inosine (hypoxanthine)

<400> 1671
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<210> 1672
<211> 21
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<220>
<223> RNAi agent sense strand underlying base sequence

<220>
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<222> 18
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<400> 1672
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<210> 1673
<211> 21
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<220>
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<400> 1673
cgcuacaacc agcacaaucu a 21

<210> 1674
<211> 21
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<220>
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<400> 1674
ccacaaccag cacaacuucu a 21

<210> 1675
<211> 21
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<400> 1675
gacaaccacu uuggugacaa a 21

<210> 1676
<211> 21
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<400> 1676
cuacaaccaa cacaacuucu a 21

<210> 1677
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<400> 1677
accucugcuc cuacaacuag a 21

<210> 1678

<211> 21
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<400> 1678
gcuguucugu gacuacuaca a 21

<210> 1679
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<220>
<223> RNAi agent sense strand underlying base sequence

<400> 1679
accagaucau cuucaacaac a 21

<210> 1680
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<400> 1680
ggcucugugg uaacuucaac a 21

<210> 1681
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<400> 1681
gagcguggag aaugaaaagu a 21

<210> 1682
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<400> 1682
gggagaauga aaaguaugcu a 21

<210> 1683
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<400> 1683
cuucucgaac ugcauguaug a 21

<210> 1684
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<210> 1685
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<220>
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<400> 1685
cucgaacugc auguaugaca a 21

<210> 1686
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<220>
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<400> 1686
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<210> 1687
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<220>
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<400> 1687
cacuguucug ugacuacuac a 21

<210> 1688
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<222> 16
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<400> 1688
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<210> 1689
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<400> 1689
ccacccaugu gcuacaacua u 21

<210> 1690
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<212> RNA
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<210> 1691
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<220>
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<210> 1692
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<220>
<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
<222> 17
<223> n = inosine (hypoxanthine)

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<210> 1693
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<220>

<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
<222> 16
<223> n = inosine (hypoxanthine)

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<210> 1694
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<400> 1694
gucuuugaug aggacaagau a 21

<210> 1695
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<222> 14
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<400> 1696
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<210> 1697
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<220>
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<400> 1697
acgagaucau cuucaacaac a 21

<210> 1698
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<400> 1698
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<210> 1699
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<210> 1700
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<212> RNA
<213> Artificial sequence

<220>
<223> RNAi agent sense strand underlying base sequence

<220>
<221> modified_base
<222> 14
<223> n = 2-aminoadenosine (2-aminoadenine)

<400> 1700
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<210> 1701
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<213> Artificial sequence

<220>
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<400> 1701
caucuuugau gaggacaaga u 21

<210> 1702
<211> 21
<212> RNA
<213> Artificial sequence

<220>
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<400> 1702
gcuuugauga ggacaagaug a 21

<210> 1703
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<220>
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<400> 1703
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<210> 1704
<211> 21
<212> RNA
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<220>
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<400> 1704
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<210> 1705
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<220>
<223> RNAi agent sense strand underlying base sequence

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<210> 1706
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<220>
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<400> 1706
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<210> 1707
<211> 21
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<220>
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<400> 1707
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<210> 1708
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<400> 1708
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<210> 1709
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<220>
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<400> 1709
gcuguucugc gacuauuaca a 21

<210> 1710
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<220>
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<400> 1710
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<210> 1711
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<220>
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<400> 1711
gcugguucug cgacuacuac aa 22

<210> 1712
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<220>
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<400> 1712
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<210> 1713
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<220>
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<400> 1713
uguaacugua cugcuguaug g 21

<210> 1714
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<220>
<223> Mouse-specific sense strand modified sequence

<400> 1714
ccauacagca guacaguuac a 21

<210> 1715
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<212> RNA
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<220>
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<400> 1715
uguuguugaa gaugaucugg u 21

<210> 1716
<211> 21
<212> RNA
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<220>
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<400> 1716
uggaucucau aguuguagca g 21

<210> 1717
<211> 21
<212> RNA
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<400> 1717
uuguuguuga agaugaucuc g 21

<210> 1718
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<220>
<223> Mouse-specific sense strand underlying base sequence

<400> 1718
uuguuguuga agaugaucuc g 21