SEQUENCE LISTING

<110> Arrowhead Pharmaceuticals, Inc.
Zhen Li
Tao Pei
Agnieska Glebocka
Michael Lawler
Fred Fleitz
Erich Altenhofer
Pankaj Kumar

<120> Targeting Ligands

<130> 30641-WO1

<150> US 62/383,221
<151> 2016-09-02

<150> US 62/456,339
<151> 2017-02-08

<160> 38

<210> 1
<211> 26
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 1
uauaugccca agaaagugaa agacca 26

<210> 2
<211> 26
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 2
uggucuuuca cuuucuuggg cucuau 26

<210> 3
<211> 26
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule"

<400> 3
uauaugccca agaaagugaa agacca 26

<210> 4
<211> 26
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 4
uggucuuuca cuuucuuggg cucuau 26

<210> 5
<211> 26
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<220>
<221> source
<223> /note="Description of Combined DNA/RNA Molecule"

<400> 5
uauaugccca agaaagugaa agacca 26

<210> 6
<211> 26
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 6
uggucuuuca cuuucuuggg cucuau 26

<210> 7
<211> 26
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 7
uauaugccca agaaagugaa agacca 26

<210> 8
<211> 26
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 8
uggucuuuca cuuucuuggg cucuau 26

<210> 9
<211> 26
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 9
uauauaauua ucgaggcuca uucuca 26

<210> 10
<211> 26
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 10
ugagaaugag ccucgauaau uauaua 26

<210> 11
<211> 26
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 11
uauauaauua ucgaggcuca uucuca 26

<210> 12
<211> 26

<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 12
ugagaaugag ccucgauaau uauaua 26

<210> 13
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 13
gccccuuauu guuauacgau u 21

<210> 14
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 14
ucguauaaca auaaggggcu u 21

<210> 15
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 15
gccccuuauu guuauacgau u 21

<210> 16
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 16

ucguauaaca auaaggggcu u 21

<210> 17
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 17
gccccuuauu guuauacgau u 21

<210> 18
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 18
ucguauaaca auaaggggcu u 21

<210> 19
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 19
gccccuuauu guuauacgau u 21

<210> 20
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 20
ucguauaaca auaaggggcu u 21

<210> 21
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 21
gccccuuauu guuauacgau u 21

<210> 22
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 22
ucguauaaca auaaggggcu u 21

<210> 23
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 23
gccccuuauu guuauacgau u 21

<210> 24
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 24
ucguauaaca auaaggggcu u 21

<210> 25
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 25
gccccuuauu guuauacgau u 21

<210> 26
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 26
ucguauaaca auaaggggcu u 21

<210> 27
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 27
gccccuuauu guuauacgau u 21

<210> 28
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 28
ucguauaaca auaaggggcu u 21

<210> 29
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 29
ucguauaaca auaaggggcu u 21

<210> 30
<211> 21
<212> RNA
<213> artificial sequence

<220>

<223> RNAi agent antisense strand

<400> 30
ucguauaaca auaaggggcu u 21

<210> 31
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 31
gccccuuauu guuauacgau u 21

<210> 32
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 32
ucguauaaca auaaggggcu u 21

<210> 33
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 33
gccccuuauu guuauacgau u 21

<210> 34
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 34
ucguauaaca auaaggggcu u 21

<210> 35

<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 35
gccccuuauu guuauacgau u 21

<210> 36
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 36
ccguauaaca auaaggggcu u 21

<210> 37
<211> 19
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent sense strand

<400> 37
ucaacaaacc cuuugucuu 19

<210> 38
<211> 21
<212> RNA
<213> artificial sequence

<220>
<223> RNAi agent antisense strand

<400> 38
aagacaaagg guuuguugau u 21