

1  
SEQUENCE LISTING

<110> INSTITUT CURIE  
Centre National de la Recherche Scientifique

<120> Dbait and its standalone uses thereof

<130> B0526w0

<150> EP07300728.8  
<151> 2007-01-12

<160> 31

<170> PatentIn version 3.3

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acgcacgggt gttgggtcgt ttgttcgat ct 32

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ccgtgcgt 68

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<210> 5

<211> 24

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<223> Dbait24H

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acgcacgggt gttgggtcgt ttgt

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24

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16

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 <223> mod\_base=phosphorothioate backbone

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 acgcacgg

8

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 <223> mod\_base=phosphorothioate backbone

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32

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<222> (1)..(3)  
 <223> mod\_base=phosphorothioate backbone

<220>  
 <221> misc\_feature  
 <222> (32)..(32)  
 <223> loop= hexaethyleneglycol linker

<400> 9  
 gctaggcttg tttgctgggt tgtaggcaca gc

32

<210> 10  
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<220>  
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 <223> loop=hexaethyleneglycol linker

<220>  
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 <223> /note= "at the 3'end of the complementary strand the three last nucleotides with phosphorothioate backbone"

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<220>  
 <221> modified\_base  
 <222> (1)..(3)  
 <223> mod\_base= phosphorothioate backbone

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32

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 <222> (1)..(3)  
 <223> mod\_base= phosphorothioate backbone

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gctaggtctg ttggtggct ttgcagtggc ac 32

<210> 12  
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<220>  
<223> Dbait32Hc-3'mp

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gctgtgcca caaccagca aacaagccta ga 32

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<222> (1)..(3)  
<223> mod\_base= methylphosphonate linkage

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<221> misc\_feature  
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<400> 13  
gctgtgcca caaccagca aacaagccta ga 32

<210> 14  
<211> 32  
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<223> Dbait32Hc-5'5'

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<223> /note= "the last nucleotide at the 3'end of the complementary strand is linked with 3'-3'linkage"

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<221> stem\_loop

<222> (1)..(32)

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<221> misc\_feature

<222> (32)..(32)

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gctaggcttg tttgctgggt tgtaggcaca gc

32

<210> 15

<211> 32

<212> DNA

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<221> misc\_feature

<223> /note="the nucleotide at the 5' end of the complementary strand is linked to NH2 group"

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<221> misc\_feature

<223> /note= "the three last nucleotides at the 3'end of the complementary strand with phosphorothioate backbone"

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<222> (1)..(3)

<223> mod\_base= phosphorothioate backbone

<220>

<221> misc\_binding

<222> (32)..(32)

<223> linker= NH2

<400> 15

acgcacgggt gttgggtcgt ttgttcgat ct

32

<210> 16

<211> 32

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<220>

<221> stem\_loop

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<220>

<221> misc\_feature

<222> (1)..(1)

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<400> 16
acgcacgggt gttgggtcgt ttgttcgga ct
32

<210> 17
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<212> DNA
<213> artificial sequence

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<223> mod_base=phosphorothioate backbone

<400> 17
acgcacgggt gttgggtcgt ttgttcgga ct
32

<210> 18
<211> 32
<212> DNA
<213> artificial sequence

<220>
<223> Dbait32Hcss-po

<400> 18
gctgtgccca caaccagca aacaagccta ga
32

<210> 19
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<220>
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atct                                           64

<210> 20
<211> 63
<212> DNA
<213> Artificial

<220>
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<220>
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strand with phosphorothioate backbone"

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acgcacgggt gttgggtcgt ttgttcggat cacgcacggg cgtttggtcg gtgttggcga      60
tct                                           63

<210> 21
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<221> modified\_base  
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 <223> mod\_base=phosphorothioate backbone

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<400> 21  
 acgcacgggt gttgggtcgt ttgttcggat ct

32

<210> 22  
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 <223> loop= hexaethyleneglycol linker

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<400> 22  
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32

<210> 23  
 <211> 32  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Dbait32H-Biot

<220>  
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 complementary strand with phosphorothioate backbone"

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<222> (1)..(3)  
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 <222> (32)..(32)  
 <223> linker= biotine

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<400> 23  
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32

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<220>  
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 complementary strand with phosphorothioate backbone"

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<400> 24  
 gctgtgca

8

<210> 25  
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 complementary strand with phosphorothioate backbone"

<220>  
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 gctgtgccca caaccagca aacaagccta ga 32  
 <210> 26  
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 <223> /note= "the last three nucleotides at the 3'end of the  
 complementary strand with phosphorothioate backbone"  
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 <223> /note= "the nucleotide at the 5'end of the complementary strand  
 linked to Cyanine-5"  
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13

complementary strand with phosphorothioate backbone"

<220>  
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<220>  
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<210> 29  
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 gctaggcttg tttgctgggt tgtaggcaca gc 32

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32