

24312 WO PCT filing\_Seq Listing.txt  
SEQUENCE LISTING

<110> Roche Diagnostics GmbH,  
F. Hoffmann-La Roche AG

<120> Suppression of Amplification Using an Oligonucleotide  
and a Polymerase Significantly Lacking 5'-3' Nuclease  
Activity

<130> 24312 WO

<140> US Not yet assigned  
<141> Not yet assigned

<150> US 60/964,089  
<151> 2007-08-08

<160> 6

<170> PatentIn Ver. 2.1

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

<220>  
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type allele asymmetric PCR amplification upstream  
primer

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tgaaccacaca gaaaatgatg ccca

<210> 2  
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<220>  
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type allele asymmetric PCR amplification  
downstream primer

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ggaaatgccc cattatttag ccagga

<210> 3  
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<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Factor 5 wild  
type allele asymmetric PCR amplification  
stabilized detection probe (blocker)

24

26

<220>  
 <221> modified\_base  
 <222> (1)  
 <223> n = propynyl du modified by abasic phosphoramidite  
 cx-FAM, where cx-FAM = cyclohexane linker bound to  
 6-carboxyfluorescein (FAM)

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<220>  
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<220>  
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<220>  
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 <223> c = propynyl dc

<220>  
 <221> modified\_base  
 <222> (18)  
 <223> g modified by Black Hole Quencher BHQ2 (Q)

<400> 3  
 nuccucgccu guccaggg

18

<210> 4  
 <211> 21  
 <212> DNA  
 <213> Artificial sequence

<220>  
 <223> Description of Artificial Sequence:Factor 5 wild  
 type allele asymmetric PCR amplification  
 unstabilized detection probe (non-blocker)

<220>

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<221> modified\_base  
 <222> (1)  
 <223> c modified by 5' abasic phosphoramidite cx-FAM,  
 where cx-FAM = cyclohexane linker bound to  
 6-carboxyfluorescein (FAM)

<220>  
 <221> modified\_base  
 <222> (21)  
 <223> g modified by Black Hole Quencher BHQ2 (Q) and 3'  
 phosphate (P)

<400> 4  
 ctgtattcct cgcctgtcca g 21

<210> 5  
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 <212> DNA  
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<220>  
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 type allele real-time PCR long unstabilized probe

<220>  
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 <222> (1)  
 <223> c modified by abasic phosphoramidite conjugated to  
 cx-FAM, where cx-FAM = cyclohexane linker bound to  
 6-carboxyfluorescein (FAM)

<220>  
 <221> modified\_base  
 <222> (18)  
 <223> t modified by abasic phosphoramidite conjugated to  
 Black Hole Quencher BHQ2 (Q) in sugar-phosphate  
 backbone attached to 5' end of SEQ ID NO:6

<400> 5  
 caaggacaaa atacctgt 18

<210> 6  
 <211> 33  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Factor 5 wild  
 type allele real-time PCR long unstabilized probe

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 Black Hole Quencher BHQ2 (Q) in sugar-phosphate  
 backbone attached to 3' end of SEQ ID NO:5

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 <223> g modified by 3' phosphate

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