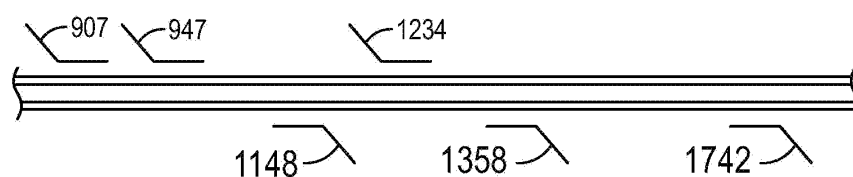


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1. HYBRID OLIGO WITH 3' END COMPLEMENTARY TO LINE ELEMENT WITH 3' END $Tm \sim 50$; 5' END NOT COMPLEMENTARY TO HUMAN DNA, $Tm \sim 72$
2. 3 - 5 CYCLES ELONGATION AT 50 FOR 2 MIN WITH HYBRID PRIMERS AND 5' END PRIMERS (ONLY HYBRID PRIMERS WILL EXTEND THOUGH INITIAL FEW CYCLES BECAUSE NO SUBSTRATE FOR 5' END PRIMERS)
3. 10 - 20 CYCLES ELONGATION AT 72 FOR 1 MIN (ONLY 5' END PRIMERS WILL EXTEND)
4. SIZE ON TAPE STATION, LOOK AT LENGTH RATIOS

**FIGURE 1**

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CHOICE OF LINE SEQUENCES FOR INITIAL PCR

DF0000227				
RIGHT	LEFT	SEQUENCE	TM C	LENGTH
909		GAGATATGTGACCTTTCAG (SEQ ID NO:3)	52.3	19
954		AGGAAACTCAAAGAAATT (SEQ ID NO:4)	50.7	18
1042		AGAATCAAGCAGAAATTC (SEQ ID NO:5)	52.1	18
	1148	CAGAAGAAAGAATTAGTGAG (SEQ ID NO:6)	51.3	20
1234		TAGAAAATAGCCTCAAAAG (SEQ ID NO:8)	52.0	19
	1358	CCCAAACCTAGAGAAAG (SEQ ID NO:9)	52.5	17
	1742	AGAAATGCTAAAGGGAG (SEQ ID NO:11)	52.2	17

EXPECTED LENGTH (BP)				NUMBER PREDICTED AMPLICONS			
	1148	1358	1742		1148	1358	1742
909	239	449	833	909	100	90	33
954	194	404	788	954	97	98	103
1041	104	317	701	1042	113	92	97
1234	-	124	508	1234	-	80	68

FIGURE 2

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PRIMERS AND PRIMER COMPONENTS

NAME		5' END COMMON SEQUENCE	TM C	NT
TOP/RIGHT		TTCGGAACCTCCTACGAGGTCCACT (SEQ ID NO:1)	70	24
BOTTOM/LEFT		TCGCATCAGAGTCATCGTTGACC (SEQ ID NO:2)	70.9	23
DF0000227				
RIGHT	LEFT	3' END SEQUENCE	TM C	LENGTH
909		GAGATATGTGACCTTTCAG (SEQ ID NO:3)	52.3	19
954		AGGAAACTCAAAGAAATT (SEQ ID NO:4)	50.7	18
1042		AGAATCAAGCAGAAATTC (SEQ ID NO:5)	52.1	18
	1148	CTCACTAATTCTTTCTTCTG (SEQ ID NO:7)	51.3	20
1234		TAGAAAATAGCCTCAAAAG (SEQ ID NO:8)	52.0	19
	1358	CTTTCTCTAGGTTTGGG (SEQ ID NO:10)	52.5	17
	1742	CTCCCTTTAGCATTCT (SEQ ID NO:12)	52.2	17

FIGURE 3

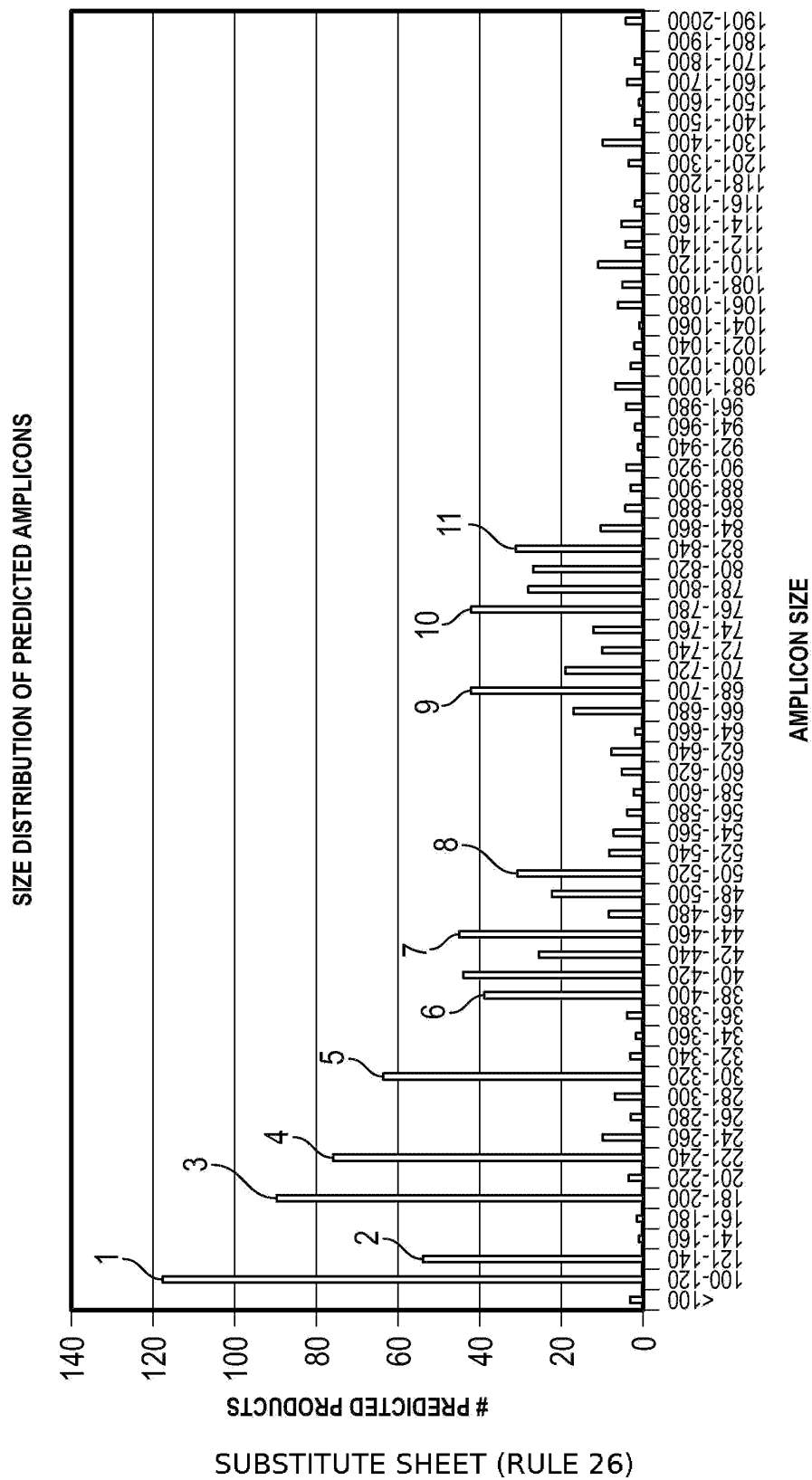


FIGURE 4