



FIG. 1

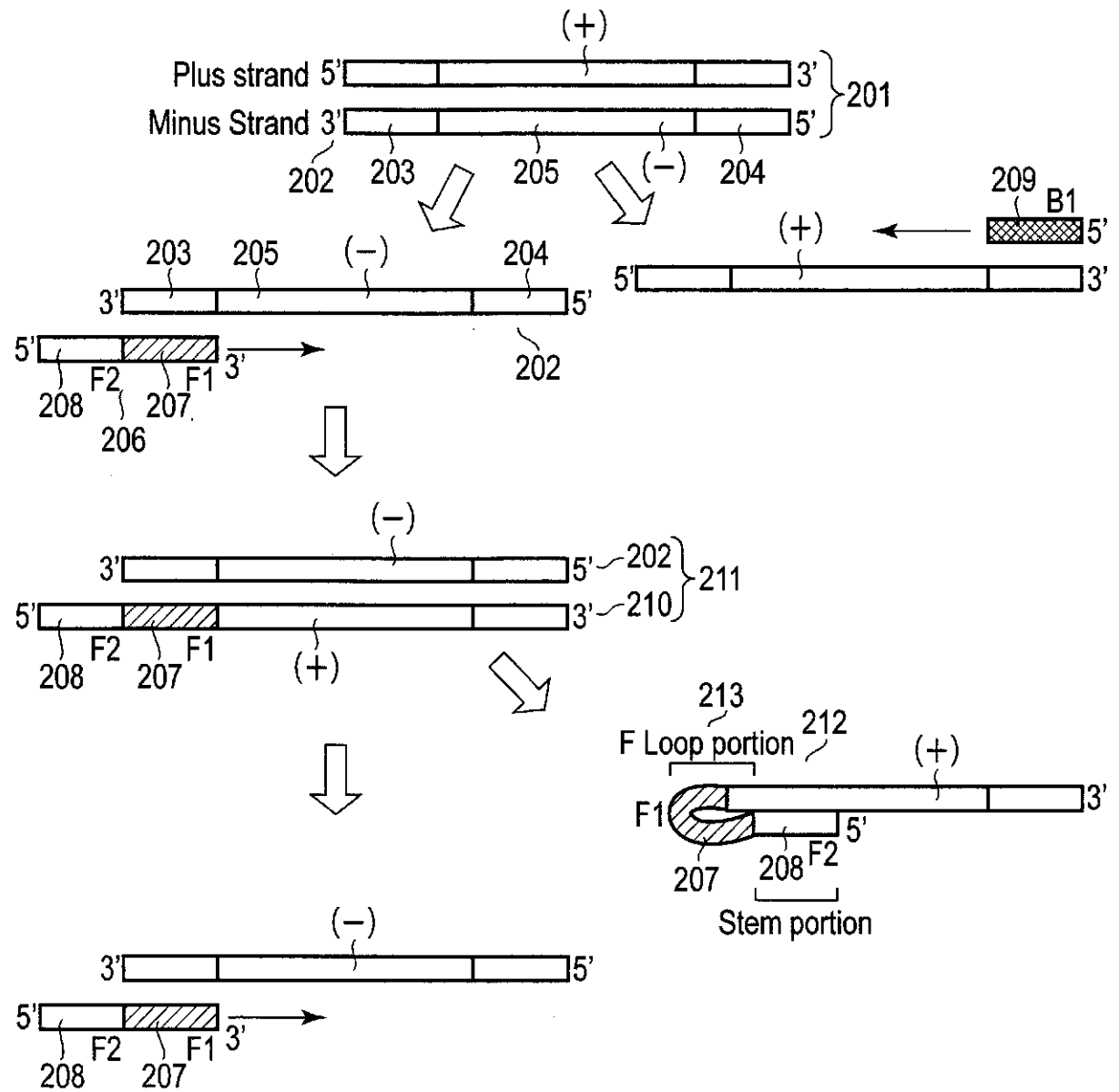


FIG. 2

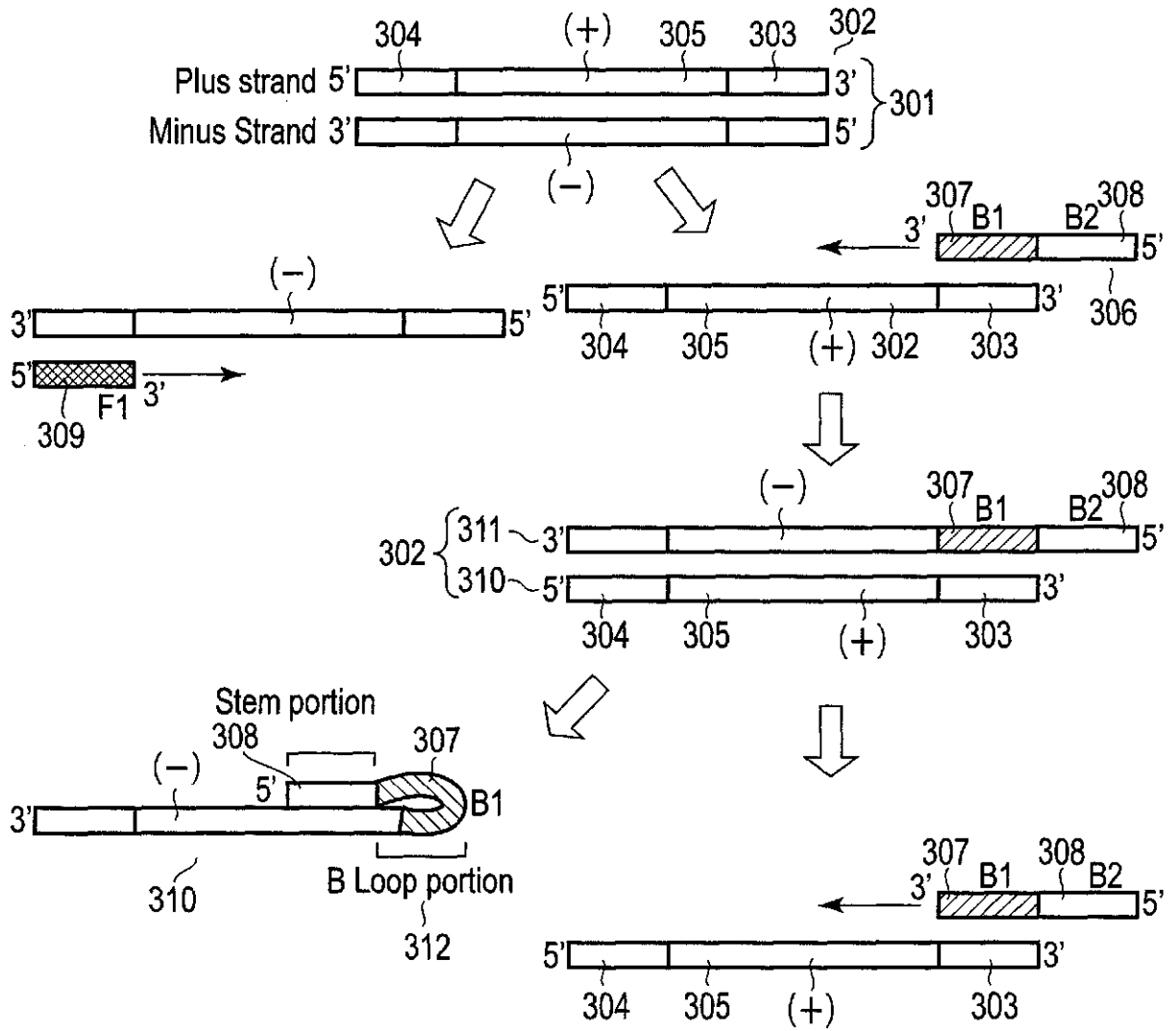


FIG. 3



FIG. 4

FIG. 5

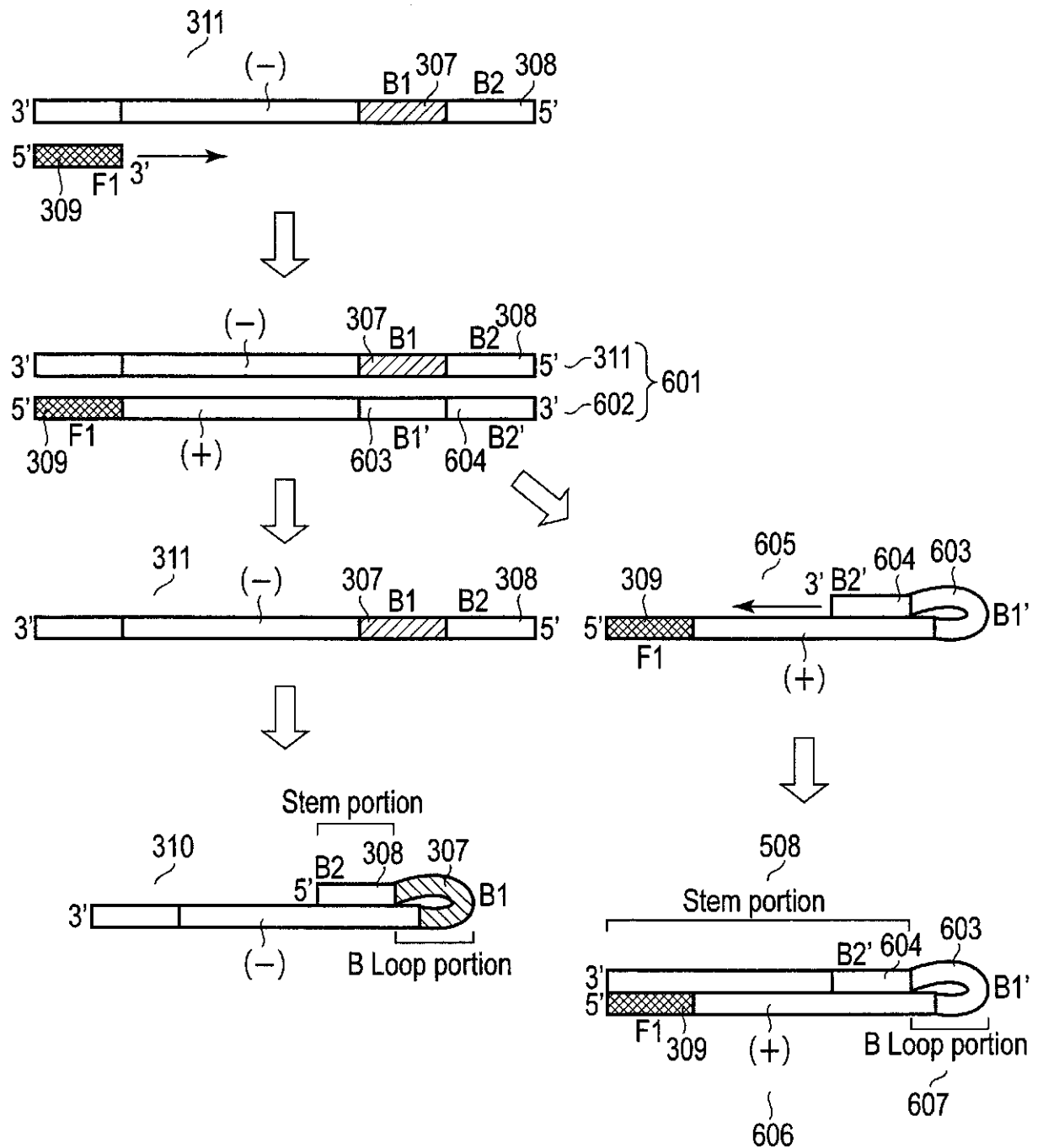


FIG. 6

Bacillus subtilis, Locations of Primers and Probes

310	320	330	340	350	360
gactgagaca	cggcccgagac	tcctacggga	ggcagcagta	gggaatcttc	cgcaatggac
370	380	390	400	410	420
gaaagtctga	cggagcaacg	ccgcgtgagt	gatgaagggtt	ttcggatcgt	aaagctctgt
430	440	450	460	470	480
tggttagggaa	gaacsaagtac	cgttcgaata	gggcgggtacc	ttgacggtac	ctaaccagaa
490	500	510	520	530	540
agccacgggt	aactacgtgc	cagcagccgc	ggtaatacgt	aggtggcgaag	cggtgtcggg
550	560	570	580	590	600
aattatttgg	cgtaaaegggc	tcgcagggcgg	ttccttaagt	ctgatgtgaa	agccccgggc
610	620	630	640	650	660
tcaaccgggg	aggttcattg	gaactcggg	aacttgagt	cagaagagga	gagtggaatt
670	680	690	700	710	720
ccacgtgtag	cggtgaaatg	cgtagagatg	tggaggaaaca	ccagtgggcga	agggcactct
730	740	750	760	770	780
ctggtctgta	actgacgctg	aggagcgaaa	gcgtgggggag	cgaacaggat	gagatacctg
790	800	810	820	830	840
ggtagtccac	gacgtaaacg	atgagtgcct	agtgttagtg	gggttccccc	ccttacttct
850	860	870	880	890	900
gcagctaacy	cattaaagc	tcgcctggg	gagtagcgtc	gcaagactga	aactcaagg
910	920	930	940	950	960
aattgacggg	ggcccgccaca	agcgttgagg	catgtgggtt	aattcgaagc	aacgcgaaga
970	980	990	1000	1010	1020
accttaccag	gtcttgacat	cctctgacaa	tcctagagat	aggacgtccc	cttcggggggc
1030	1040	1050	1060	1070	1080
agagtgacag	gtggtgcacg	gttctgcctc	gctcgtgtcg	tgagatgttg	ggtaaagtcc
1090	1100	1110	1120	1130	1140
cgcaacgagc	gcaacccttg	atcttagttg	ccagcattca	gttcgggact	ctaaggtgac
1150	1160	1170	1180	1190	1200
tgccgggtgac	aaaccggagg	aaggtggggg	tgacgtcaaa	tcacatgcc	ccttatgacc

• Target 297bp for detecting target having short stem

• Targets having 161bp and 322bp for detecting target having long stem

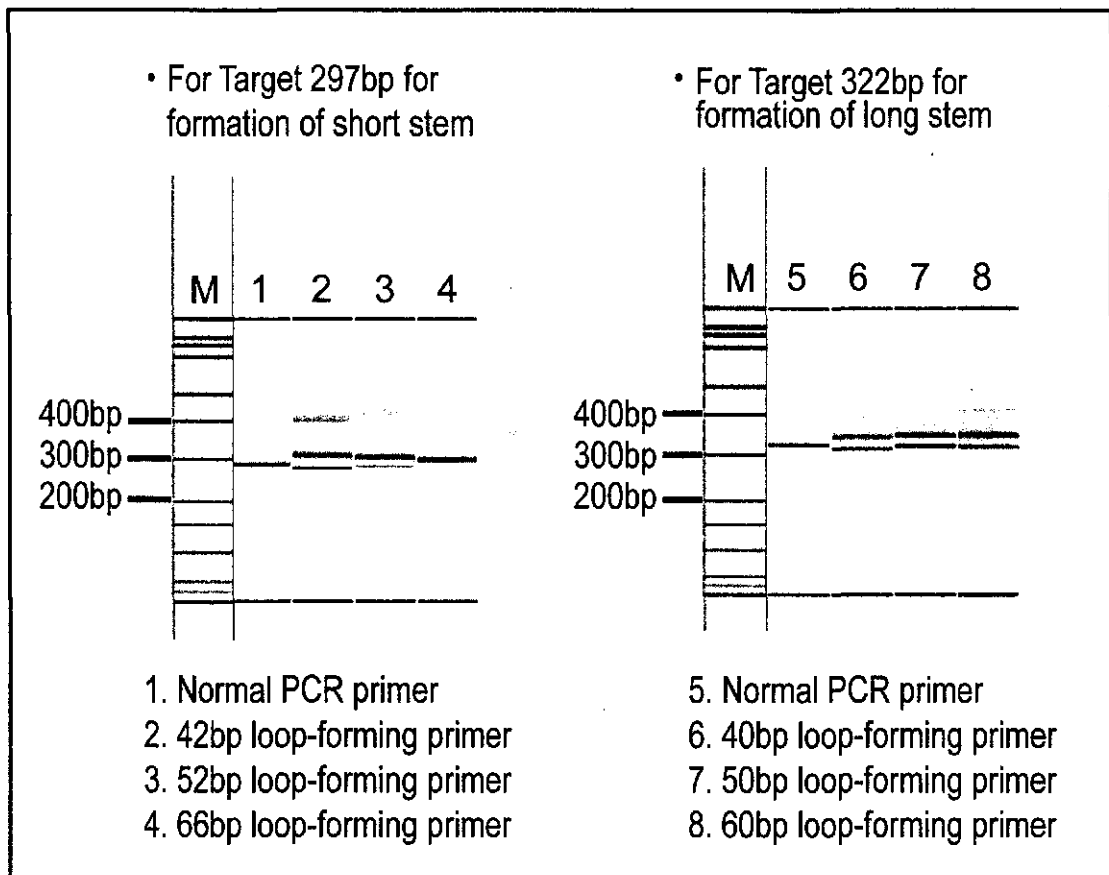


FIG. 8

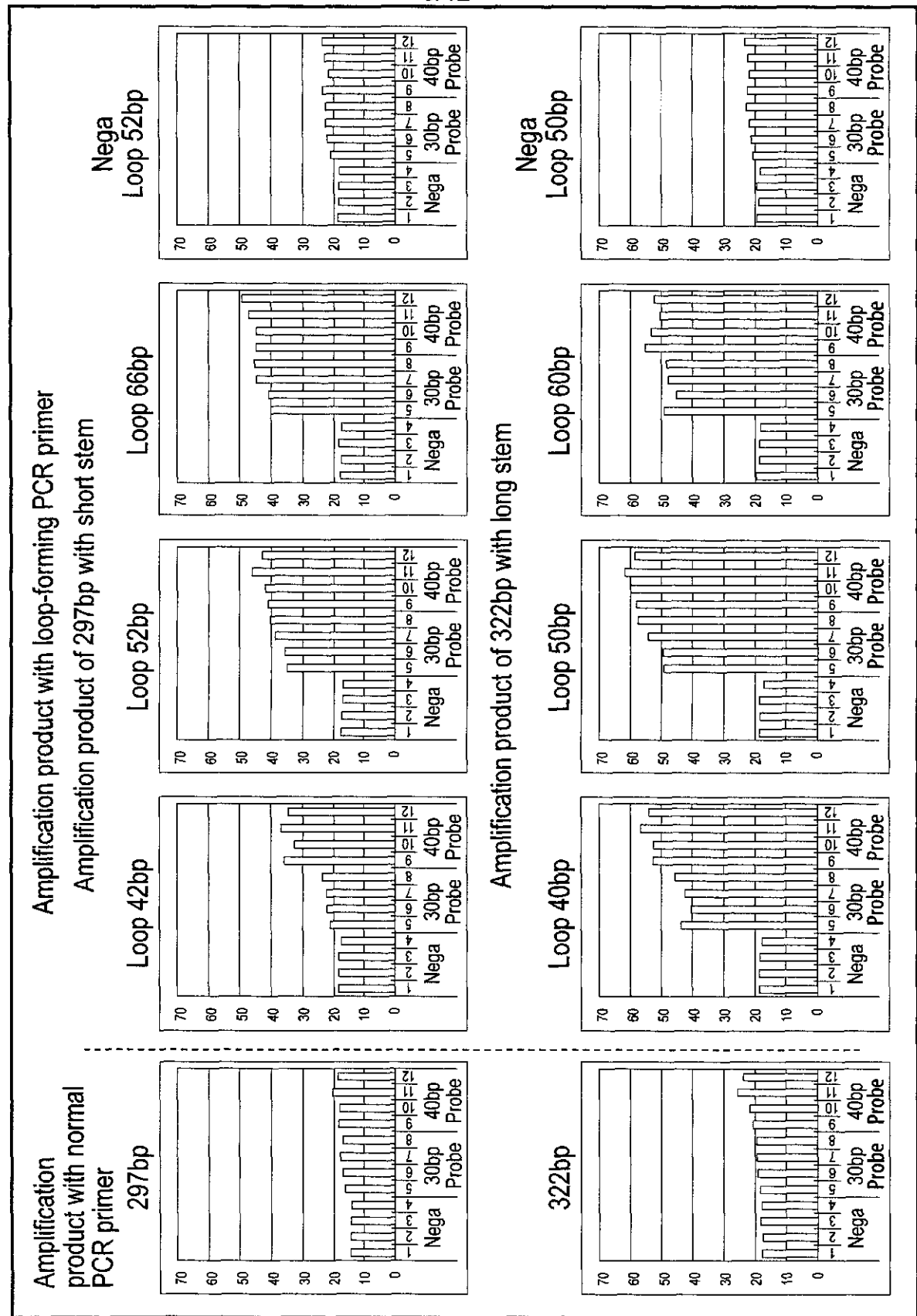
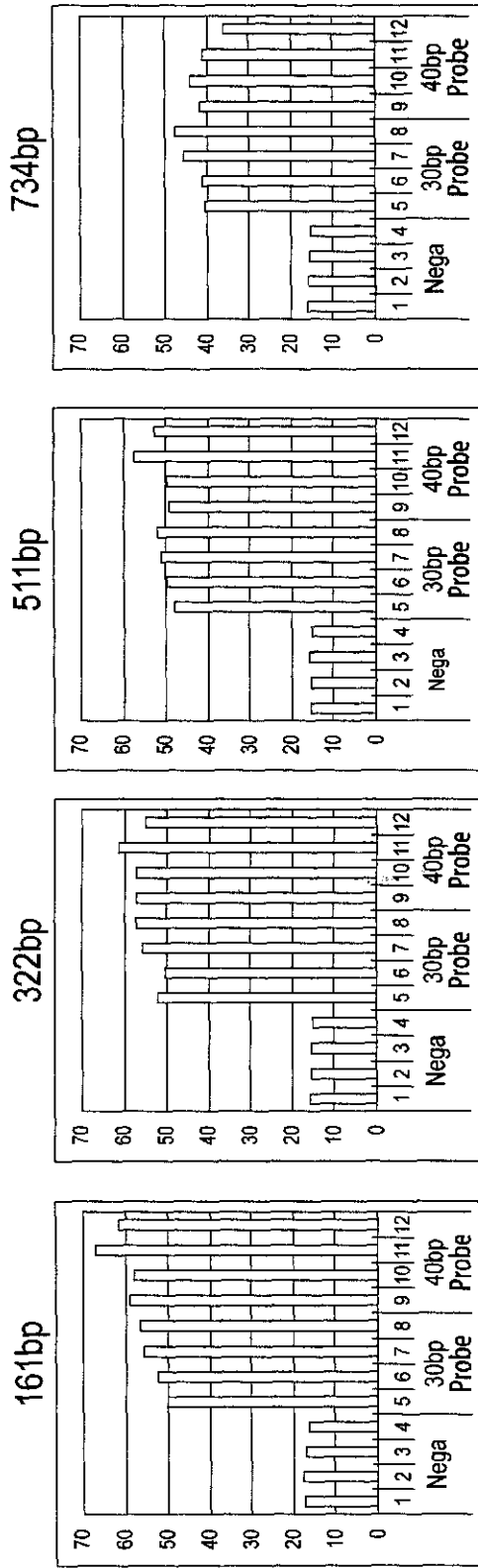


FIG. 9

Loop-forming primer for forming loop for only R primer



Loop-forming primer for forming for both of F primer and R primer

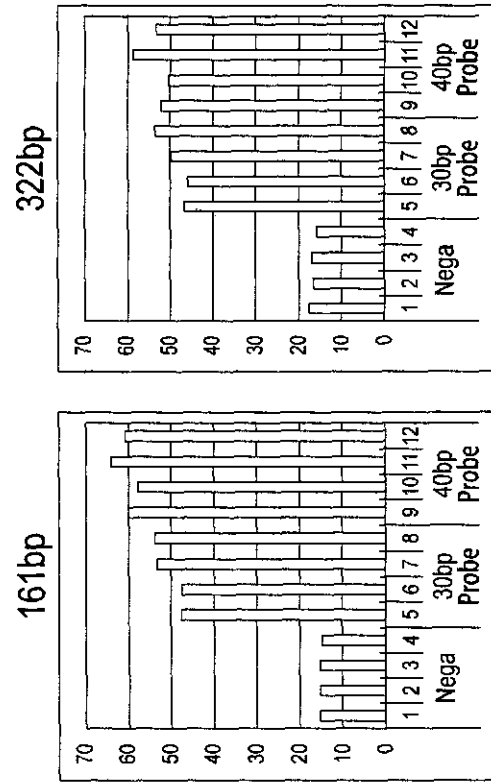


FIG. 10

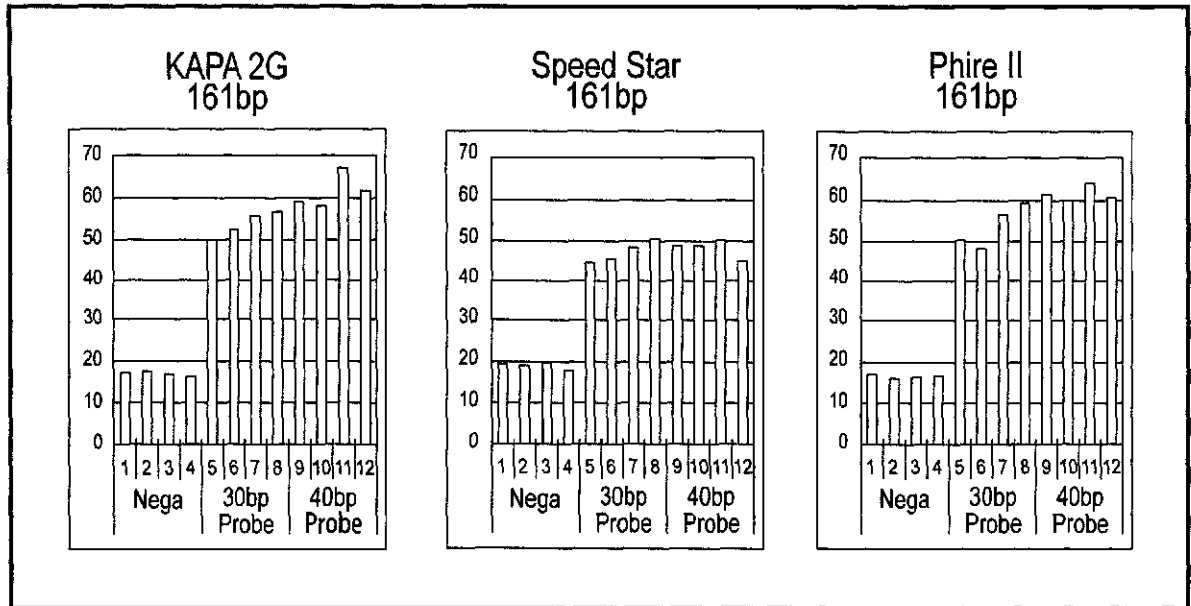


FIG. 11

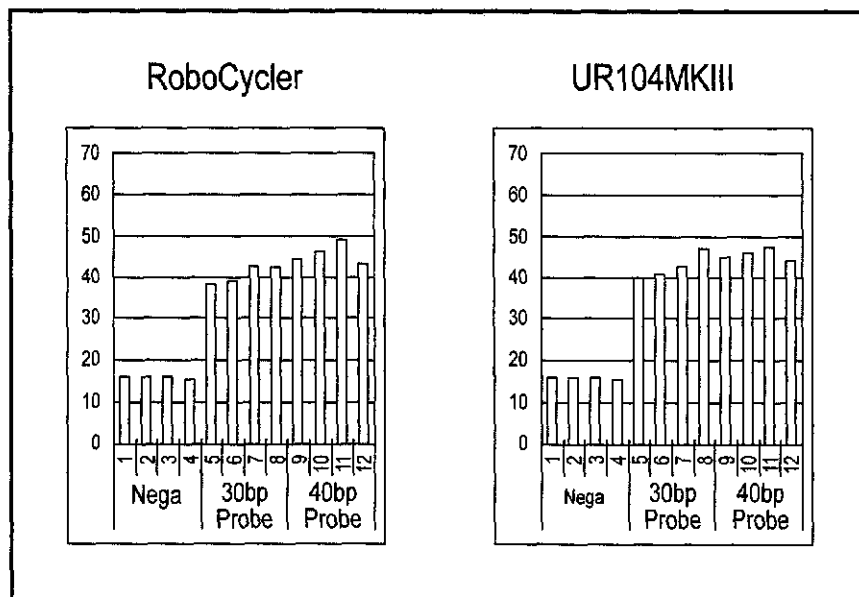


FIG. 12

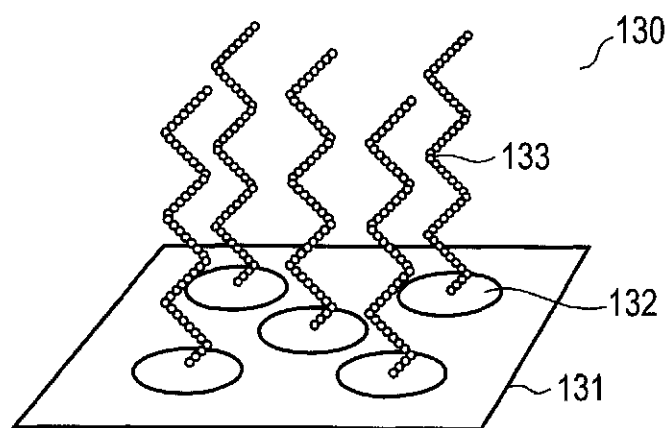


FIG. 13

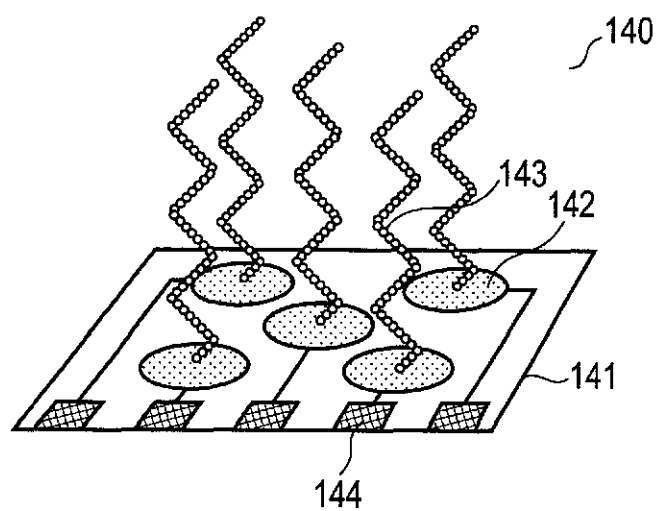


FIG. 14