

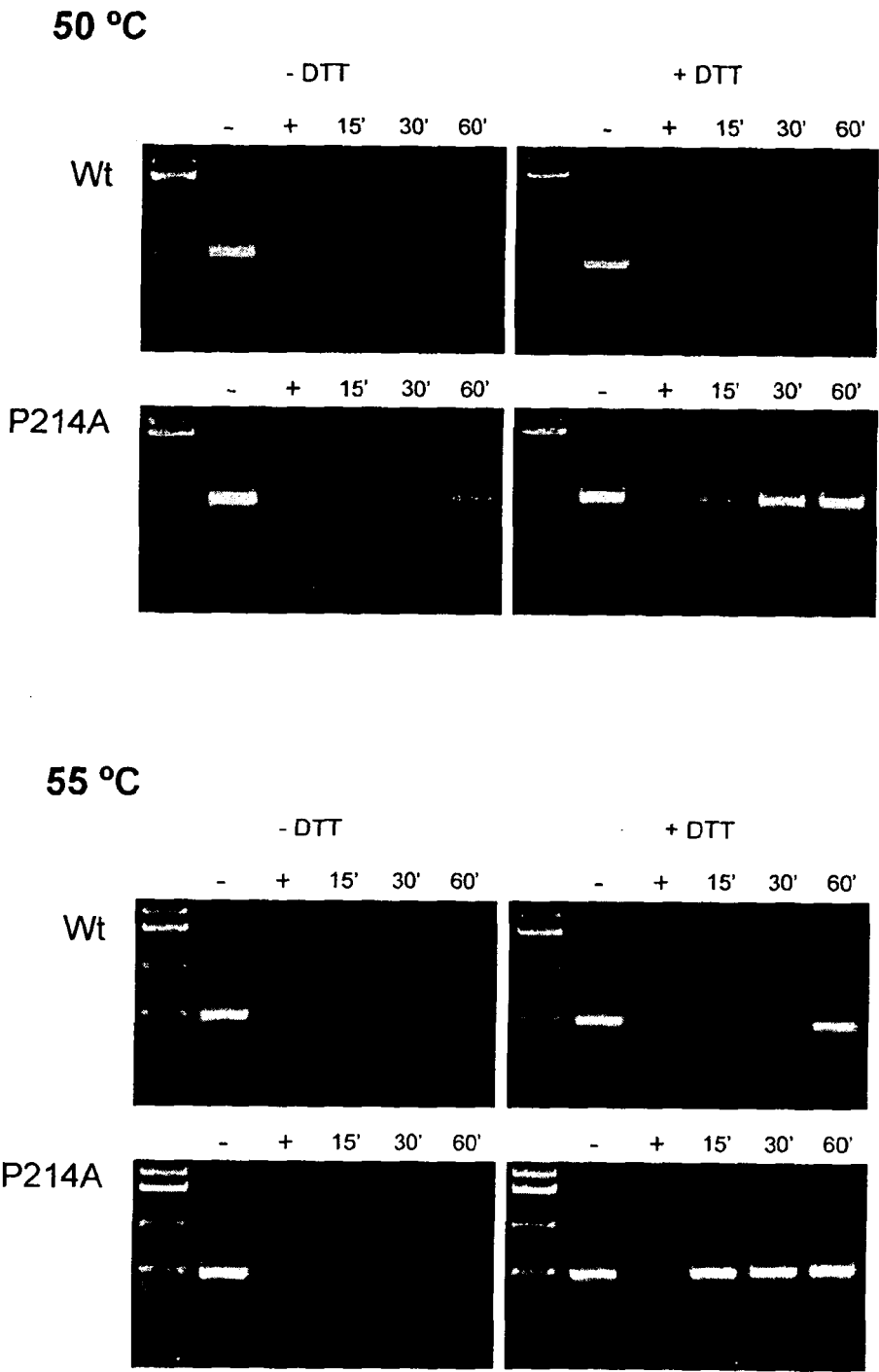


Figure 1a

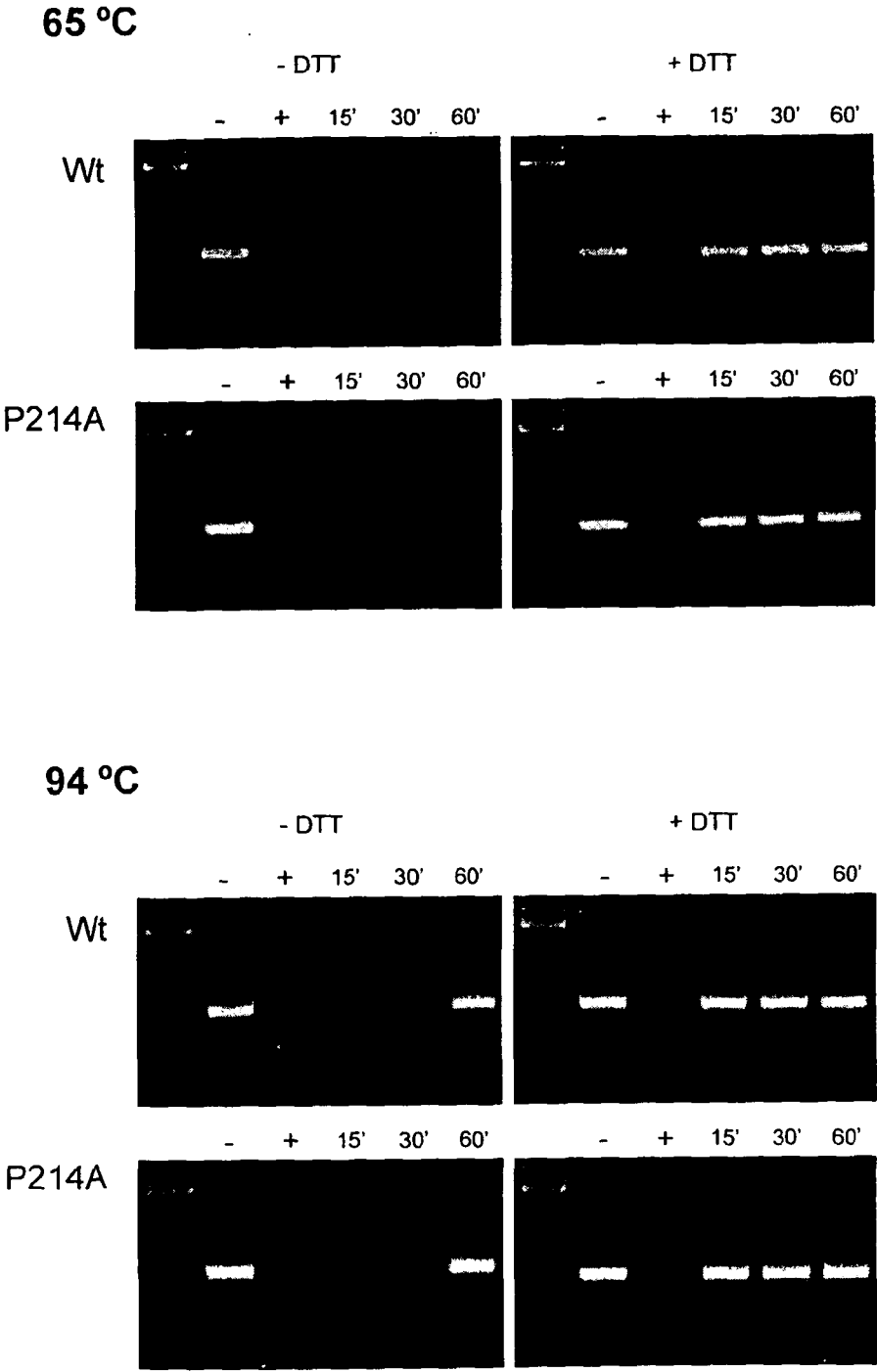


Figure 1b

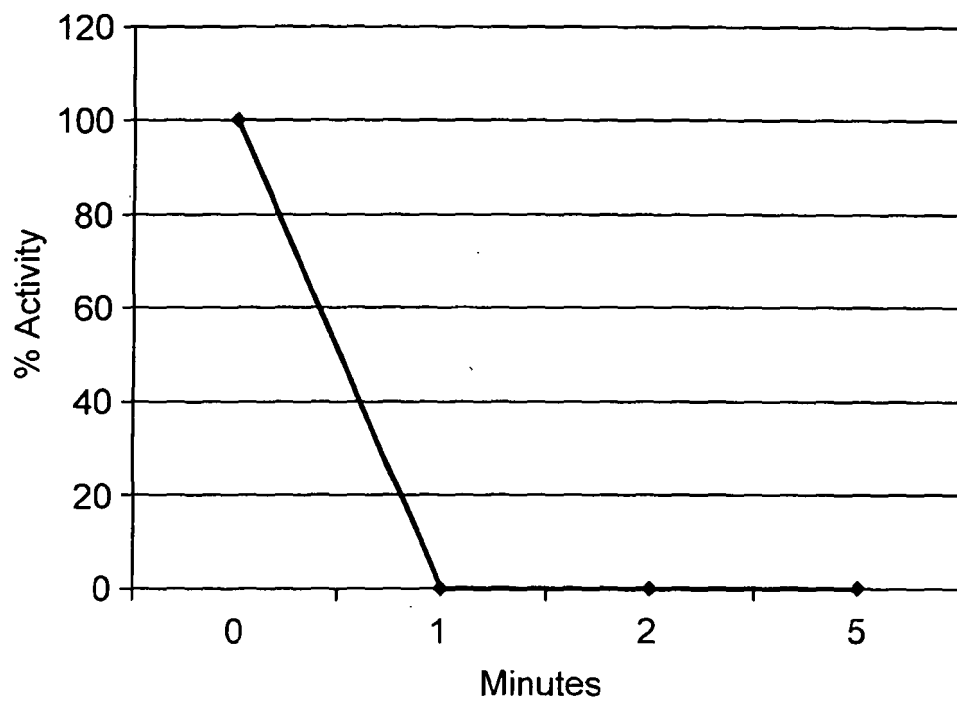


Figure 2

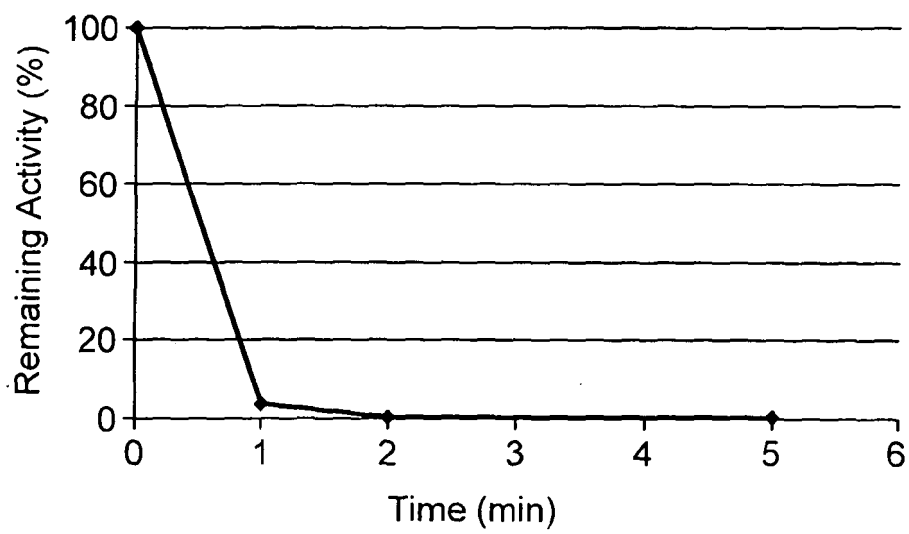


Figure 3

1 EDCVWDNDVDYPEYPPPLILDSSFQLVLPVLEGDQRITSVQSGSKLILACPGRGISALGSE
61 DAQATCLGGKLVEVDGKEWNIVELGCTKMASETIHRNLGQCGDQDLGIYEVI GFDLPTTG
121 HFYELIRVCFPANETTIFSENI VHGASIAAKDIDPGRPSFKTSTGFFSVSMISVYSQRS
181 QLELMKNLLGDDELAATIIDPSEQFYFAKGHMAADADFVTVVEQDATYYYINALPQWQAF
241 NNGNWKYLEYDTRDLAEKHGTDLT VYSGGWGVLELEDINGNPVEIYLG LAQDKKVPAPA
301 LTWKVIYEKDTNRAAIVGINNP HITTAPEPLCTDICSSLTWLDFDFGDLVHGYTYCCSV
361 ADLRAAIPNV PDLGDVDILDE

Figure 4

GAGGACTGTGTCTGGGACAATGATGTAGAC

TATCCTGAGTATCCTCCTCTGATCCTGGATTTCATCCTTTCAGCTGGTTCTGCCAGTGTTG 181

GAAGGAGACCAAAGGATAACCAGTGTCCAATCTGGGAGTAAGCTGATCTTGGCTTGTCCCT 241

GGGAGGGGAATTTAGCCCTGGGGTCAGAGGATGCACAAGCCACTTGTCTTGGTGGCAAG 301

CTCGTCGAAGTCGATGGCAAAGAATGGAATATAGTCGAACTCGGCTGCACAAAAATGGCA 361

TCTGAAACCATCCATAGAAACCTTGGACAATGTGGTGATCAAGACCTGGGAATTTACGAA 421

GTCATTGGTTTCGACCTTCCAACAACGGGACACTTCTATGAATTGATACGAGTTTGCTTT 481

GACCCGGCAAATGAGACCACTATTTTTTCCGAGAACATCGTTACGGAGCCAGCATCGCC 541

GCCAAAGACATTGACCCGGGTCGTCCATCTTTCAAAACATCCACTGGGTTCTTCAGTGTA 601

TCGATGATATCTGTCTATTTCGCAAAGAAGTCAGCTGGAGCTCATGAAGAACCTCTTAGGA 661

GATGATGAATTAGCTGCGACAATCATCGATCCTTCAGAGCAGTTCTACTTTGCTAAAGGA 721

CATATGGCT**GCT**GACGCGGACTTTGTGACAGTAGTTGAGCAGGACGCAACATACTATTAC 781

ATCAACGCGTTGCCTCAATGGCAGGCCTTTAACAATGGAACTGGAAGTACTTGAATAC 841

GACACCCGTGACCTGGCTGAAAAACATGGCACTGACCTGACCGTCTACAGTGGTGGCTGG 901

GGGGTTCTAGAGCTTGAAGACATCAACGGAAACCCGTTGAAATCTATCTTGGCCTCGCC 961

CAGGACAAAAAAGTTGTCCCTGCTCCTGCATTAACATGGAAGGTGATCTATGAGAAGGAC 1021

ACTAACCAGAGCTGCTGCTATTGTTGGAATAAACAACCCCCACATCACCACGGCACCAGAA 1081

CCTCTTTGTACCGACATCTGCTCCAGCCTCACATGGCTGGACTTTGATTTTGGGGACCTT 1141

GTCCATGGCTACACCTACTGCTGCTCTGTAGCTGATCTCAGGGCAGCCATTCCCAATGTT 1201

CCAGATTTAGGAGACGTTGATATCTTAGACGAATAA

Figure 5

cagtcagaactgttgaggagcaATGATAGGCCGGACCACTTTCATAGCTTTATTTCGTAAAA	61
M I G R T T F I A L F V K	13
GTTCTGACTATTTGGAGCTTTACCAAAGGTGAGGACTGTGTCTGGGACAATGATGTAGAC	121
V L T I W S F T K G E D C V W D N D V D	33
TATCCTGAGTATCCTCCTCTGATCCTGGATTTCATCCTTTCAGCTGGTTCTGCCAGTGTG	181
Y P E Y P P L I L D S S F Q L V L P V L	53
GAAGGAGACCAAAGGATAACCAAGTGTCCAATCTGGGAGTAAGCTGATCTTGCTTGTCTT	241
E G D Q R I T S V Q S G S K L I L A C P	73
GGGAGGGGAATTTTCAGCCCTGGGGTCAGAGGATGCACAAGCCACTTGTCTTGGTGGCAAG	301
G R G I S A L G S E D A Q A T C L G G K	93
CTCGTCGAAGTCGATGGCAAAGAATGGAATATAGTCGAACTCGGCTGCACAAAAATGGCA	361
L V E V D G K E W N I V E L G C T K M A	113
TCTGAAACCATCCATAGAAACCTTGGACAATGTGGTGATCAAGACCTGGGAATTTACGAA	421
S E T I H R N L G Q C G D Q D L G I Y E	133
GTCATTGGTTTTCGACCTTCCAACAACGGGACACTTCTATGAATTGATACGAGTTTGTCTT	481
V I G F D L P T T G H F Y E L I R V C F	153
GACCCGGCAAATGAGACCACTATTTTTTCCGAGAACATCGTTCACGGAGCCAGCATCGCC	541
D P A N E T T I F S E N I V H G A S I A	173
GCCAAAGACATTGACCCGGGTCGTCCATCTTTCAAACATCCACTGGGTTCTTCAGTGTA	601
A K D I D P G R P S F K T S T G F F S V	193
TCGATGATATCTGTCTATTCGCAAAGAAGTCAGCTGGAGCTCATGAAGAACCTCTTAGGA	661
S M I S V Y S Q R S Q L E L M K N L L G	213
GATGATGAATTAGCTGCGACAATCATCGATCCTTCAGAGCAGTTCTACTTTGCTAAAGGA	721
D D E L A A T I I D P S E Q F Y F A K G	233
CATATGGCT GCT GACGCGGACTTTGTGACAGTAGTTGAGCAGGACGCAACATACTATTAC	781
H M A A D A D F V T V V E Q D A T Y Y Y	253
ATCAACGCGTTGCCTCAATGGCAGGCCTTTAACAATGGAACTGGAAGTACTTGAATAC	841
I N A L P Q W Q A F N N G N W K Y L E Y	273
GACACCCGTGACCTGGCTGAAAAACATGGCACTGACCTGACCGTCTACAGTGGTGGCTGG	901
D T R D L A E K H G T D L T V Y S G G W	293
GGGGTTCTAGAGCTTGAAGACATCAACGGAAACCCCGTTGAAATCTATCTTGGCCTCGCC	961
G V L E L E D I N G N P V E I Y L G L A	313
CAGGACAAAAAAGTTGTCCCTGCTCCTGCATTAACATGGAAGGTGATCTATGAGAAGGAC	1021
Q D K K V V P A P A L T W K V I Y E K D	333

Figure 6a

ACTAACCGAGCTGCTGCTATTGTTGGAATAAACAACCCCCACATCACCACGGGCACCAGAA	1081
T N R A A A I V G I N N P H I T T A P E	353
CCTCTTTGTACCGACATCTGCTCCAGCCTCACATGGCTGGACTTTGATTTTGGGGACCTT	1141
P L C T D I C S S L T W L D F D F G D L	373
GTCCATGGCTACACCTACTGCTGCTCTGTAGCTGATCTCAGGGCAGCCATTCCCAATGTT	1201
V H G Y T Y C C S V A D L R A A I P N V	393
CCAGATTTAGGAGACGTTGATATCTTAGACGAATAAagatattcacgtactacaaccat	1261
P D L G D V D I L D E *	404
acaaagagagtgattgctgtacctttaactaaaggtctggacctggtaacatgcttatgt	1321
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aatcgcaatttttgttcattacaagtataatacttattattacaatttcgagtacgat	1441
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tggaaagatgtgcatatgcacgcacatgtaaccatgagattcacaaaatgtaatcatctc	1741
ttaatcaaaacctaatacagtcattcaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	1791

Figure 6b

1 EDCVWDNDVDYPEYPPLILDSSFQLVLPVLEGDQRITSVQSGSKLLILACPGRGISALGSE
61 DAQATCLGGKLVEVDGKEWNIVELGCTKMASETIHRNLGQCGDQDLGIYEVIGFDLPTTG
121 HFYELIRVCFDPANETTIFSENI VHGASIAAKDIDPGRPSFKTSTGFFSVSMISVYSQRS
181 QLELMKNLLGDDELAATI IDPSEQFYFAKGHMAPDADFVTVVEQDATYYYINALPQWQAF
241 NNGNWKYLEYDTRDLAEKHGTDLTVYSGGWGVLELEDINGNPVEIYLGLAQDKKVVPPAPA
301 LTWKVIYEKDTNRAAAIVGINNPHITTAPEPLCTDICSSLTWLDFDFGDLVHGITYCCSV
361 ADLRAAIPNVPDGLGDVDILDE

Figure 7

GAGGACTGTGTCTGGGACAATGATGTAGAC

TATCCTGAGTATCCTCCTCTGATCCTGGATTCATCCTTTTCAGCTGGTTCTGCCAGTGTG 181

GAAGGAGACCAAAGGATAACCAGTGTCCAATCTGGGAGTAAGCTGATCTTGGCTTGTCT 241

GGGAGGGGAATTTTCAGCCCTGGGGTCAGAGGATGCACAAGCCACTTGTCTTGGTGGCAAG 301

CTCGTCGAAGTCGATGGCAAAGAATGGAATATAGTCGAACTCGGCTGCACAAAATGGCA 361

TCTGAAACCATCCATAGAAACCTTGGACAATGTGGTGATCAAGACCTGGGAATTTACGAA 421

GTCATTGGTTTCGACCTTCCAACAACGGGACACTTCTATGAATTGATACGAGTTTGCTTT 481

GACCCGGCAAATGAGACCACTATTTTTTCCGAGAACATCGTTCACGGAGCCAGCATCGCC 541

GCCAAAGACATTGACCCGGGTCGTCCATCTTTCAAACATCCACTGGGTCTTTCAGTGTA 601

TCGATGATATCTGTCTATTCGCAAAGAAGTCAGCTGGAGCTCATGAAGAACCTCTTAGGA 661

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CATATGGCTCCTGACGCGGACTTTGTGACAGTAGTTGAGCAGGACGCAACATACTATTAC 781

ATCAACGCGTTGCCTCAATGGCAGGCCTTTAACAATGGAACTGGAAGTACTTGGAATAC 841

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CCTCTTTGTACCGACATCTGCTCCAGCCTCATGCGCTGGACTTTGATTTTGGGGACCTT 1141

GTCCATGGCTACACCTACTGCTGCTCTGTAGCTGATCTCAGGGCAGCCATTCCCAATGTT 1201

CCAGATTTAGGAGACGTTGATATCTTAGACGAATAA

Figure 8

cagtcagaactgttgaggagcaATGATAGGCCGGACCACTTTCATAGCTTTATTCGTAAAA	61
M I G R T T F I A L F V K	13
GTTCTGACTATTTGGAGCTTTACCAAAGGTGAGGACTGTGTCTGGGACAATGATGTAGAC	121
V L T I W S F T K G E D C V W D N D V D	33
TATCCTGAGTATCCTCCTCTGATCCTGGATTTCATCCTTTCAGCTGGTTCTGCCAGTGTG	181
Y P E Y P P L I L D S S F Q L V L P V L	53
GAAGGAGACCAAAGGATAACCAAGTGTCCAATCTGGGAGTAAGCTGATCTTGGCTTGTCT	241
E G D Q R I T S V Q S G S K L I L A C P	73
GGGAGGGGAATTTTCAGCCCTGGGGTCAGAGGATGCACAAGCCACTTGTCTTGGTGGCAAG	301
G R G I S A L G S E D A Q A T C L G G K	93
CTCGTCAAGTCGATGGCAAAGAATGGAATATAGTCGAACTCGGCTGCACAAAAATGGCA	361
L V E V D G K E W N I V E L G C T K M A	113
TCTGAAACCATCCATAGAAACCTTGGACAATGTGGTGATCAAGACCTGGGAATTTACGAA	421
S E T I H R N L G Q C G D Q D L G I Y E	133
GTCATTGGTTTTCGACCTTCCAACAACGGGACACTTCTATGAATTGATACGAGTTTGCTTT	481
V I G F D L P T T G H F Y E L I R V C F	153
GACCCGGCAAATGAGACCACTATTTTTTCCGAGAACATCGTTCACGGAGCCAGCATCGCC	541
D P A N E T T I F S E N I V H G A S I A	173
GCCAAAGACATTGACCCGGGTCGTCCATCTTTCAAACATCCACTGGGTTCTTCAGTGTA	601
A K D I D P G R P S F K T S T G F F S V	193
TCGATGATATCTGTCTATTTCGCAAAGAAGTCAGCTGGAGCTCATGAAGAACCTCTTAGGA	661
S M I S V Y S Q R S Q L E L M K N L L G	213
GATGATGAATTAGCTGCGACAATCATCGATCCTTCAGAGCAGTTCTACTTTGCTAAAGGA	721
D D E L A A T I I D P S E Q F Y F A K G	233
CATATGGCT CCT GACGCGGACTTTGTGACAGTAGTTGAGCAGGACGCAACATACTATTAC	781
H M A P D A D F V T V V E Q D A T Y Y Y	253
ATCAACGCGTTGCCTCAATGGCAGGCCTTTAACAATGGAACTGGAAGTACTTGAATAC	841
I N A L P Q W Q A F N N G N W K Y L E Y	273
GACACCCGTGACCTGGCTGAAAAACATGGCACTGACCTGACCGTCTACAGTGGTGGCTGG	901
D T R D L A E K H G T D L T V Y S G G W	293
GGGGTTCTAGAGCTTGAAGACATCAACGGAAACCCCGTTGAAATCTATCTTGGCCTCGCC	961
G V L E L E D I N G N P V E I Y L G L A	313
CAGGACAAAAAAGTTGTCCCTGCTCCTGCATTAACATGGAAGGTGATCTATGAGAAGGAC	1021
Q D K K V V P A P A L T W K V I Y E K D	333

Figure 9a

ACTAACCGAGCTGCTGCTATTGTTGGAATAAACAACCCCCACATCACCACGGCACCAGAA	1081
T N R A A A I V G I N N P H I T T A P E	353
CCTCTTTGTACCGACATCTGCTCCAGCCTCACATGGCTGGACTTTGATTTTGGGGACCTT	1141
P L C T D I C S S L T W L D F D F G D L	373
GTCCATGGCTACACCTACTGCTGCTCTGTAGCTGATCTCAGGGCAGCCATTCCCAATGTT	1201
V H G Y T Y C C S V A D L R A A I P N V	393
CCAGATTTAGGAGACGTTGATATCTTAGACGAATAAaagatattcacgtactacaaccat	1261
P D L G D V D I L D E *	404
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agttaatgggtgtcgaggaattcatcaatcagagraagaactacttcaaagagggaaaaatt	1381
aatcgcaatttttgttcattacaagtataatacttatcttattacaatttcgagtagcat	1441
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tcatactctggatatccagatattatgcacacaaaatgtcaagtctcctgcctgcttctt	1681
tggaaagatgtgcatatgcacgcacatgtaaccatgagattcacaaaatgtaatcatctc	1741
ttaatcaaaacctaatacagtcattcaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	1791

Figure 9b

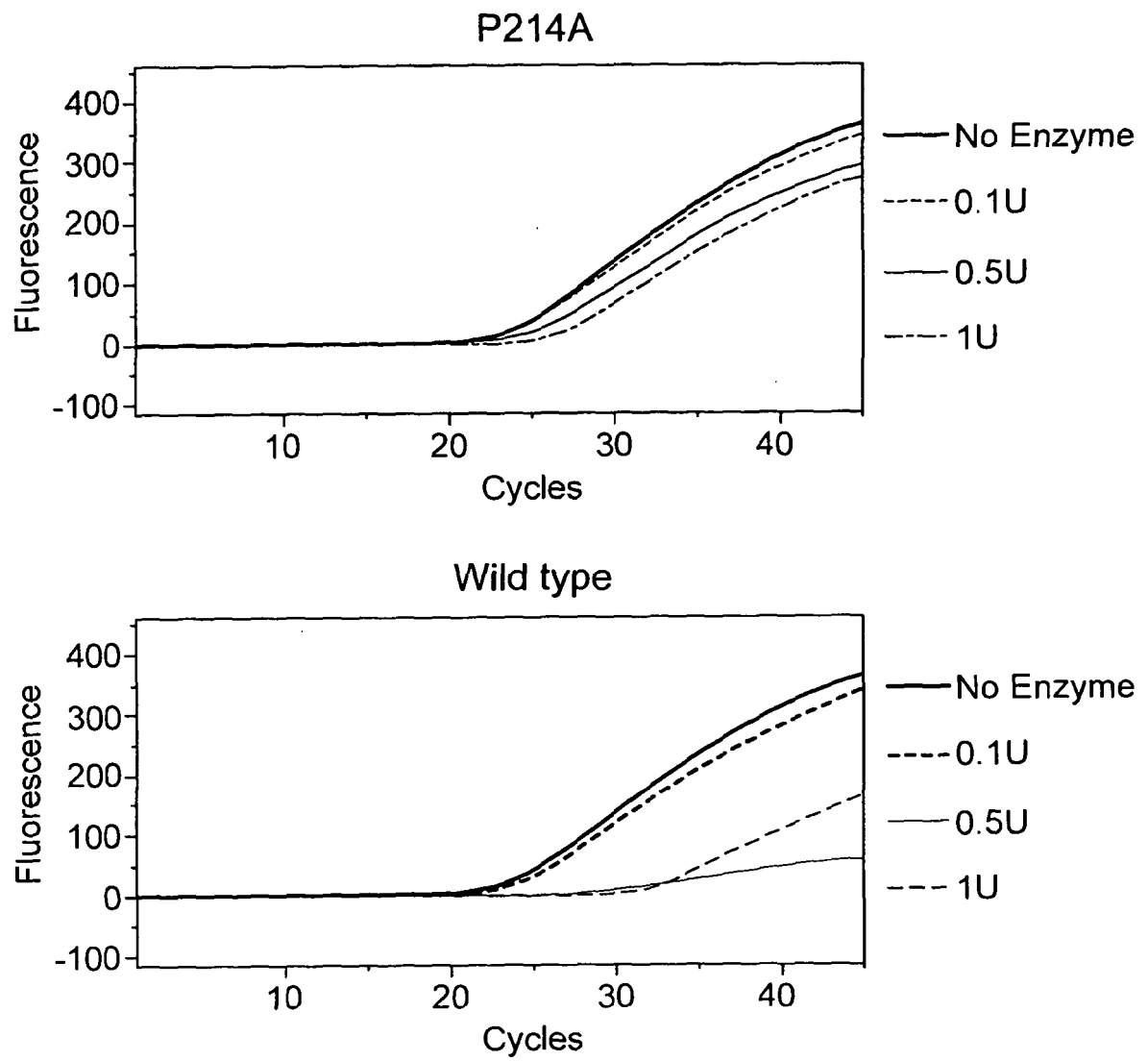


Figure 10

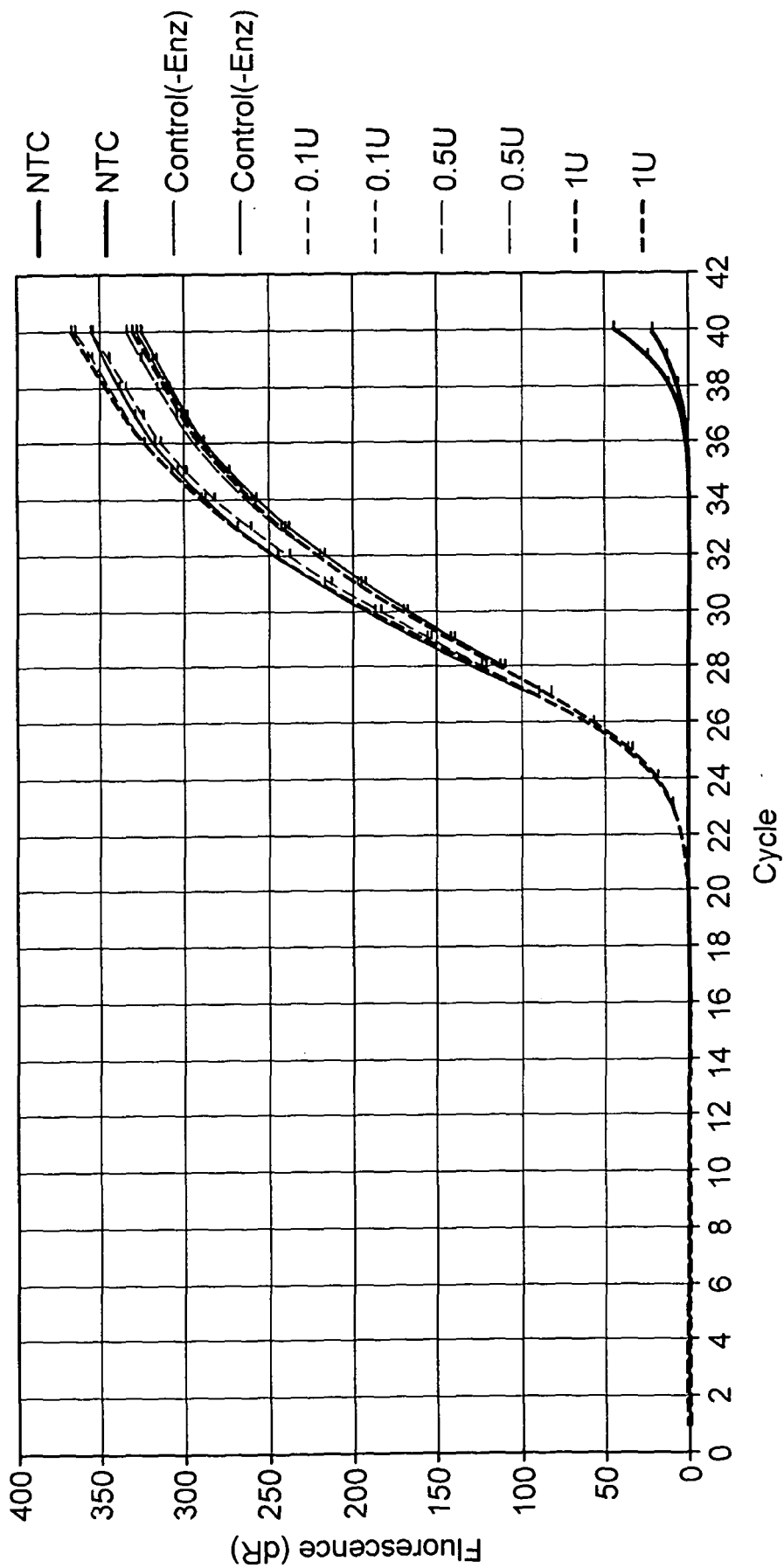


Figure 12

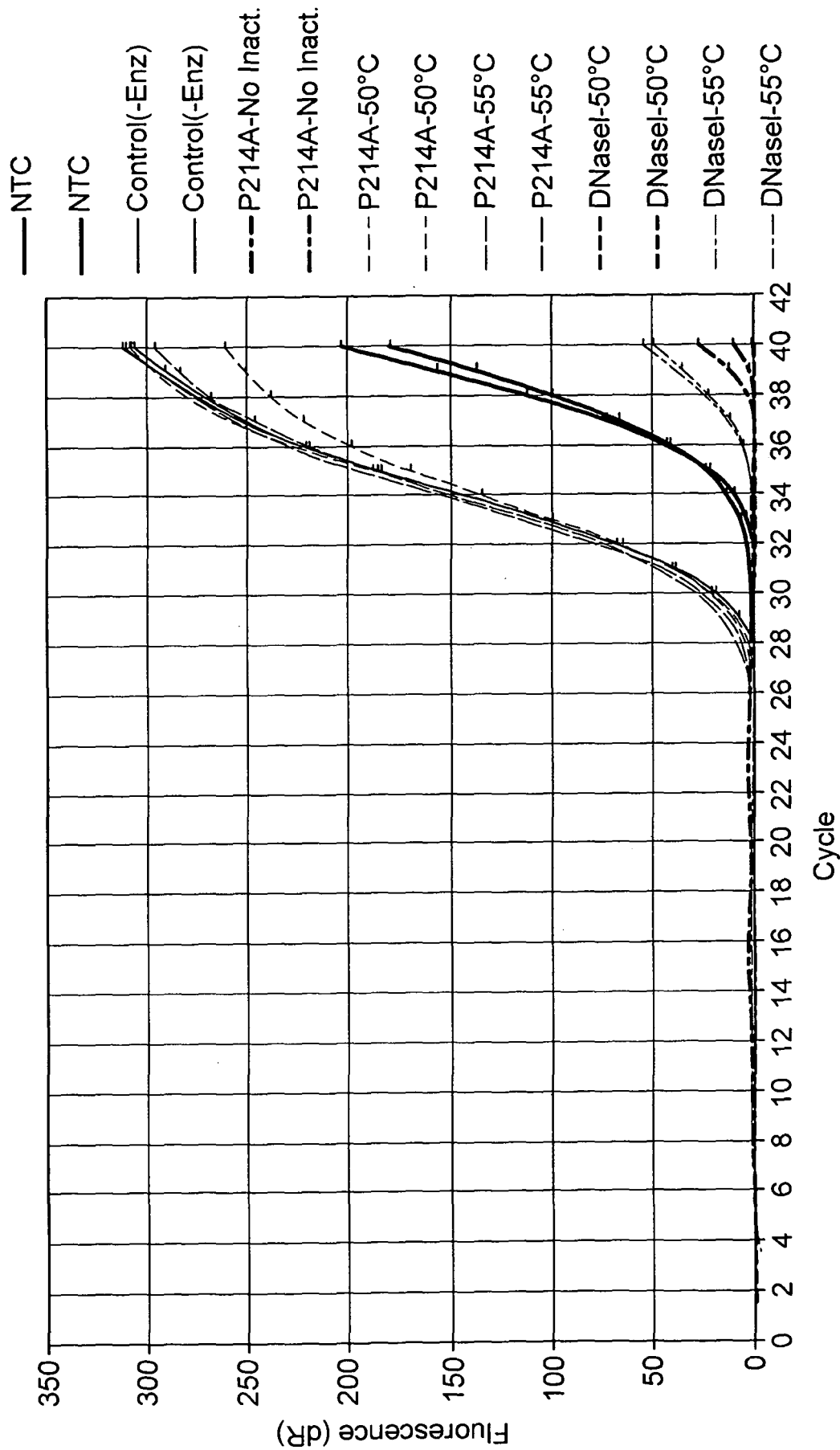


Figure 13

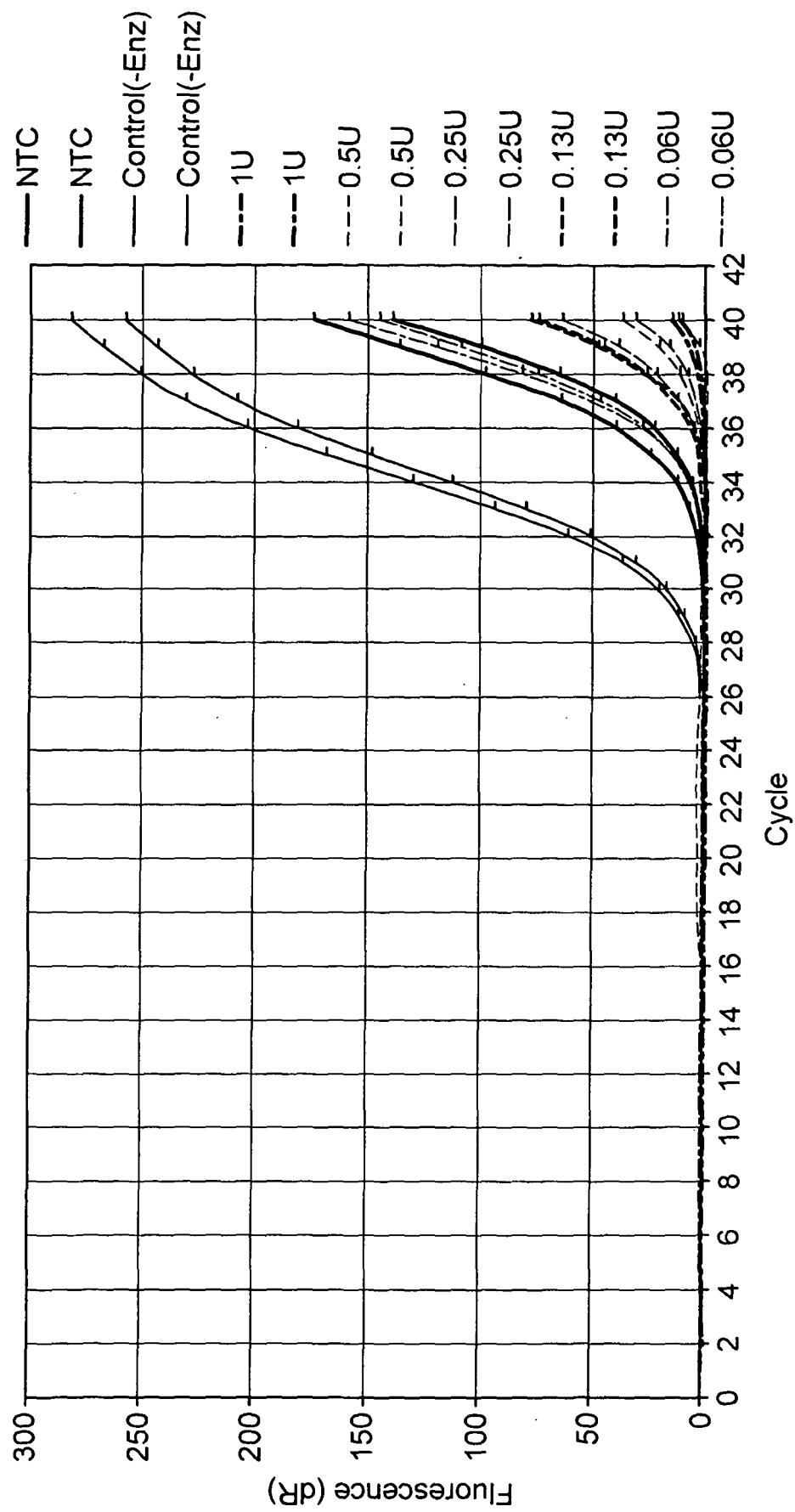


Figure 14

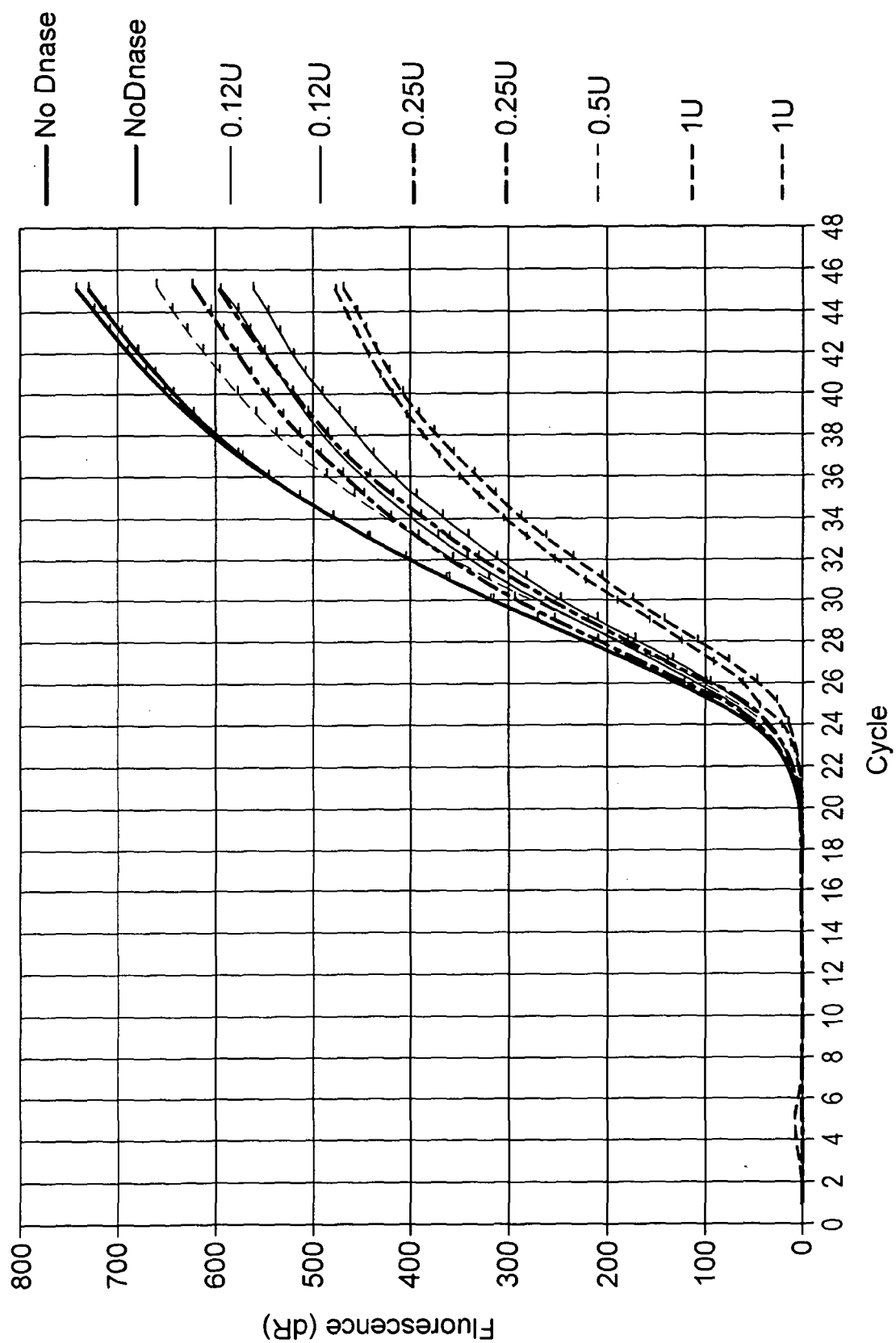


Figure 15

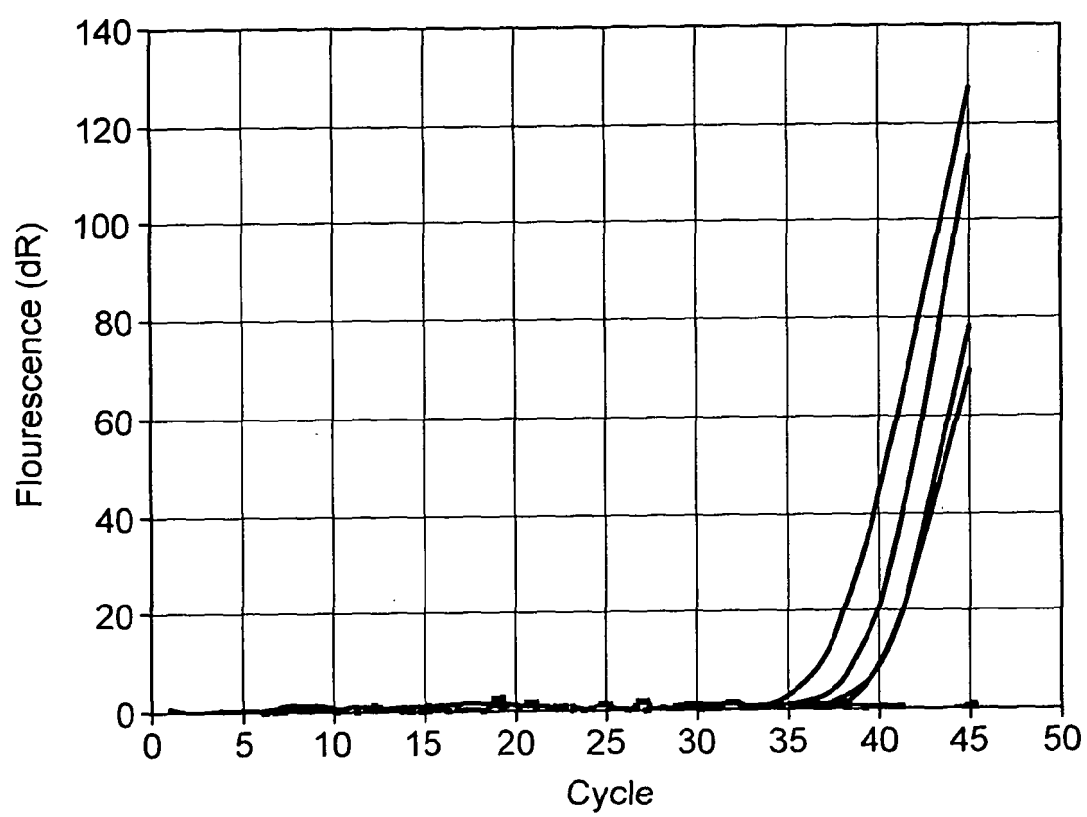


Figure 16