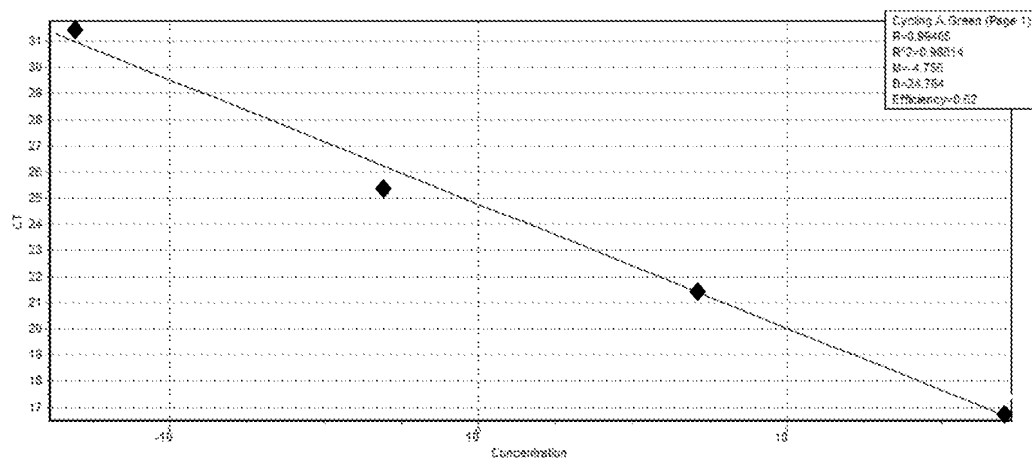


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No.	C	Name	Type	Ct	Given Ct	Rep. Calc. Conc.
1		STD E. coli DNA (100)	Standard	17.23	51.6	44.7893248960594
2		STD E. coli DNA (100)	Standard	16.64	51.6	
3		STD E. coli DNA (10-1)	Standard	21.22	5.16	5.14521529439821
4		STD E. coli DNA (10-1)	Standard	21.58	5.16	
5		STD E. coli DNA (10-2)	Standard	25.45	0.5	0.7704524990924
6		STD E. coli DNA (10-2)	Standard	25.19	0.5	
7		STD E. coli DNA (10-3)	Standard	31.53	0.05	3.74900030161666E-02
8		STD E. coli DNA (10-3)	Standard	31.60	0.05	
9		P. aeruginosa (100)	Unknown	21.33		6.6594272471923
10		P. aeruginosa (100)	Unknown	20.40		
11		P. aeruginosa (10-1)	Unknown	23.84		1.51250934658971
12		P. aeruginosa (10-1)	Unknown	24.02		
13		P. aeruginosa (10-2)	Unknown	27.17		0.291861738024785
14		P. aeruginosa (10-2)	Unknown	27.48		
15		P. aeruginosa (10-3)	Unknown	32.86		2.34975999475259E-02
16		P. aeruginosa (10-3)	Unknown	32.20		
17		P. aeruginosa (10-4)	Unknown	34.08		1.29052788356468E-02
18		P. aeruginosa (10-4)	Unknown	33.46		
19		P. aeruginosa (10-5)	Unknown	35.17		7.18267452207119E-03
20		P. aeruginosa (10-5)	Unknown	34.79		

FIG. 1

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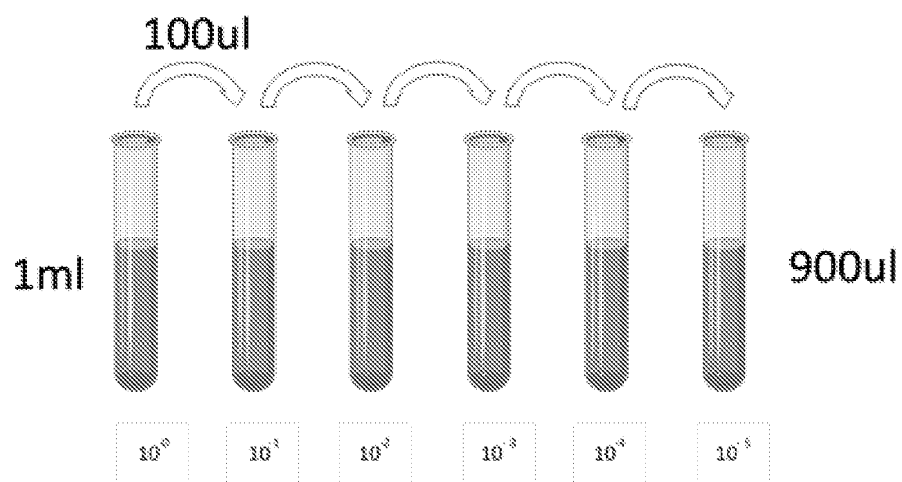


FIG. 2

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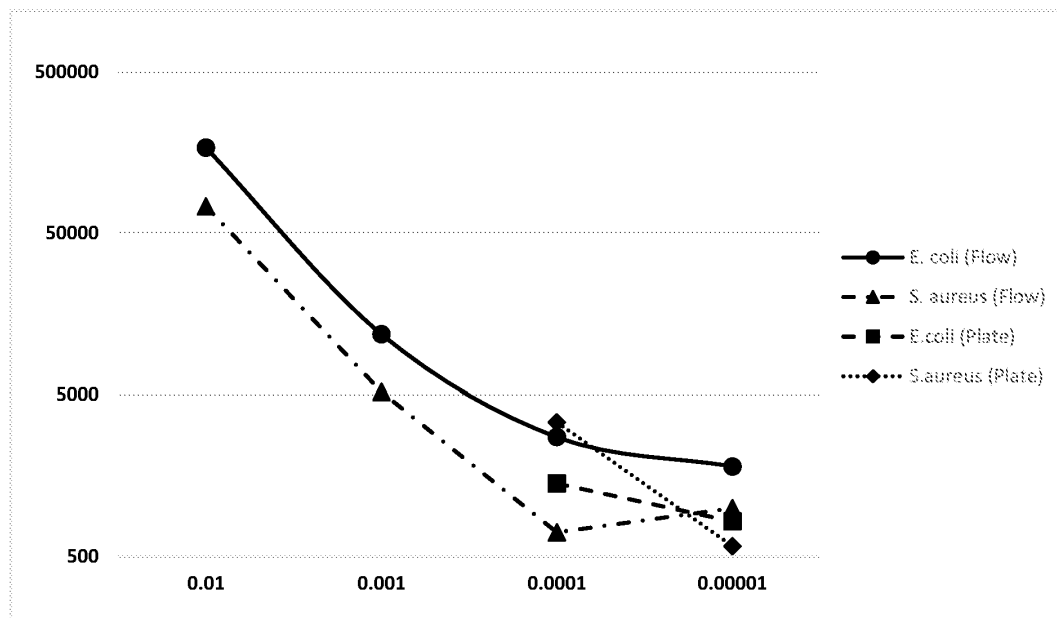


FIG. 3

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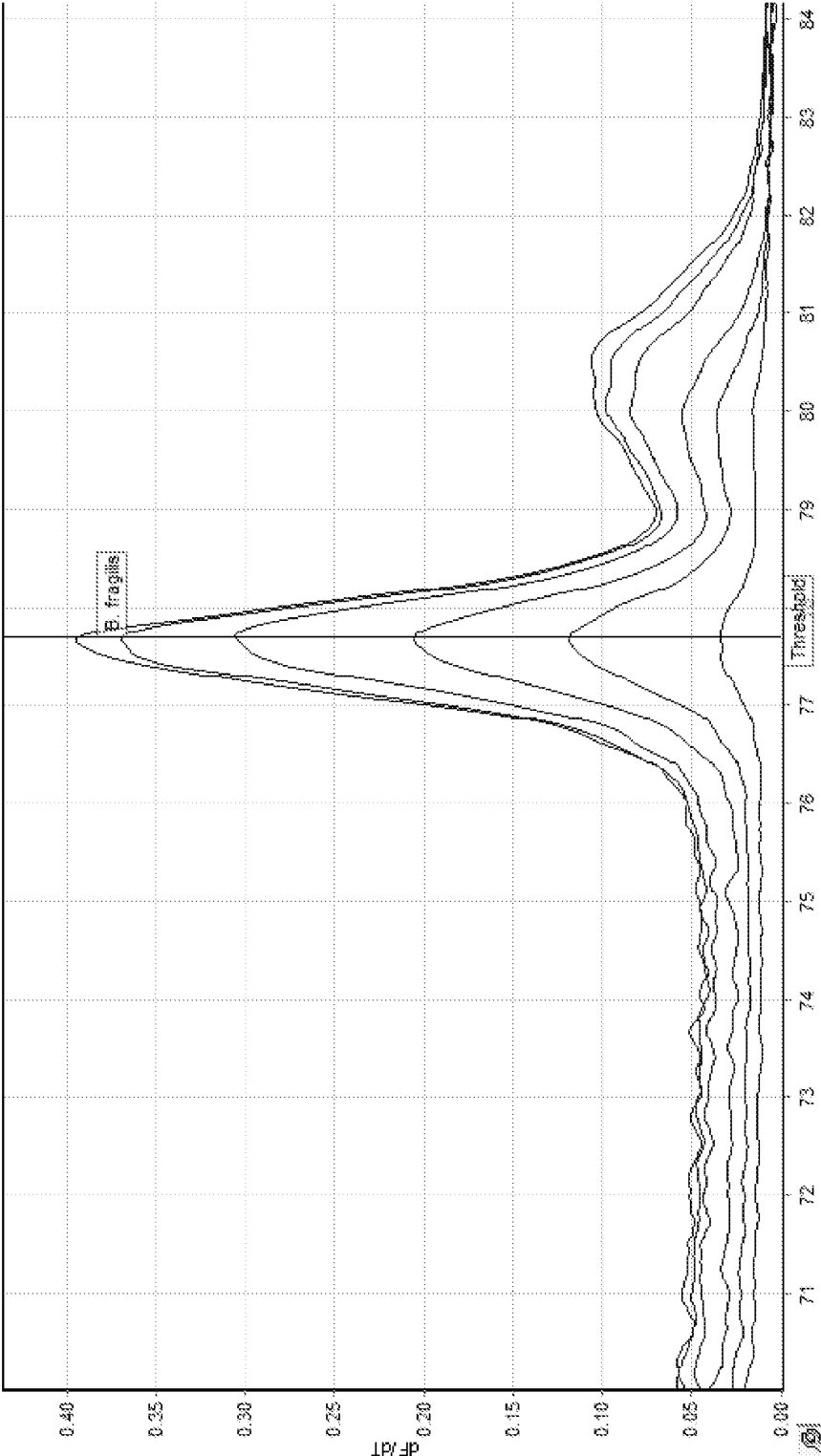


FIG. 4

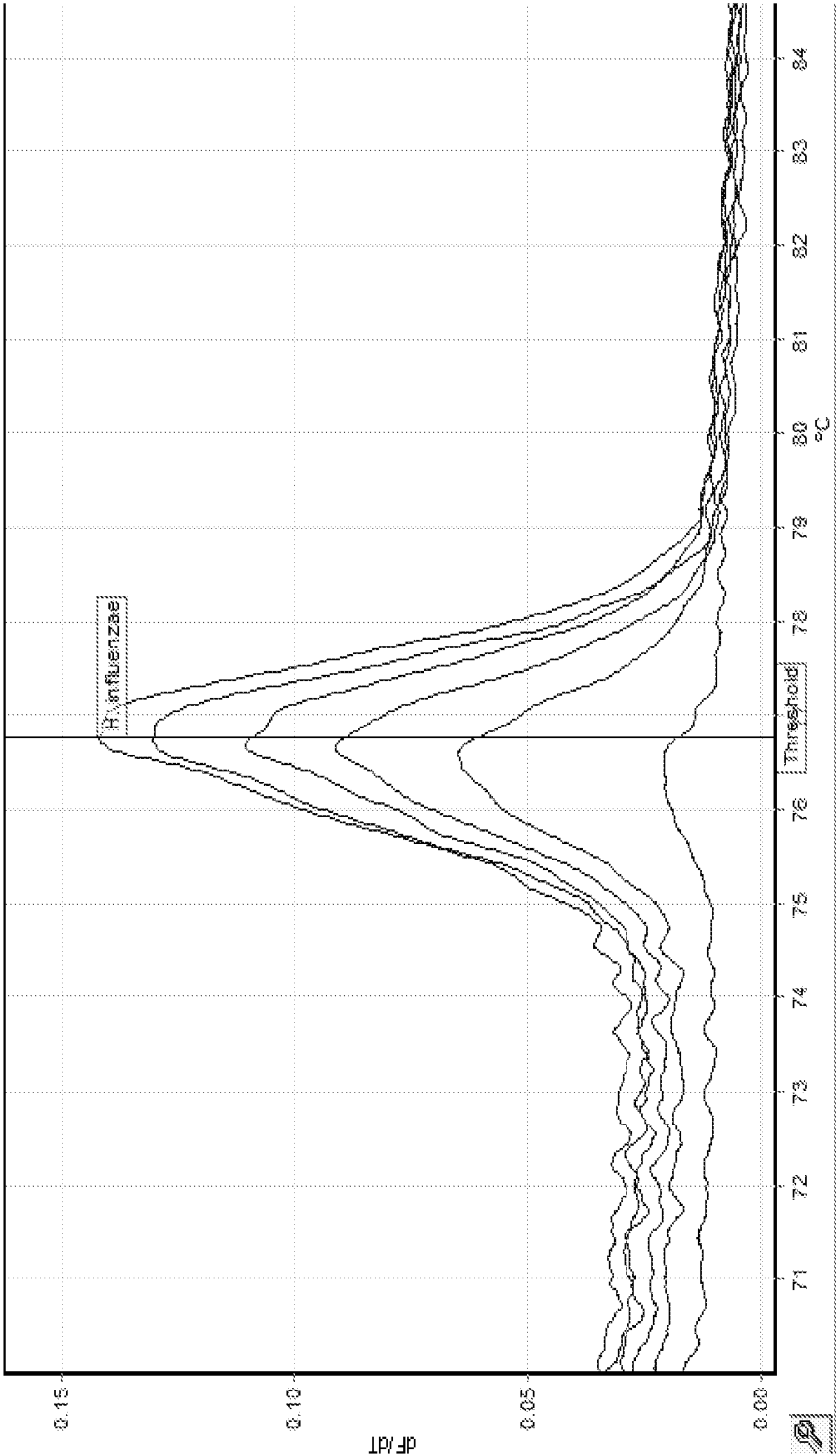


FIG. 5

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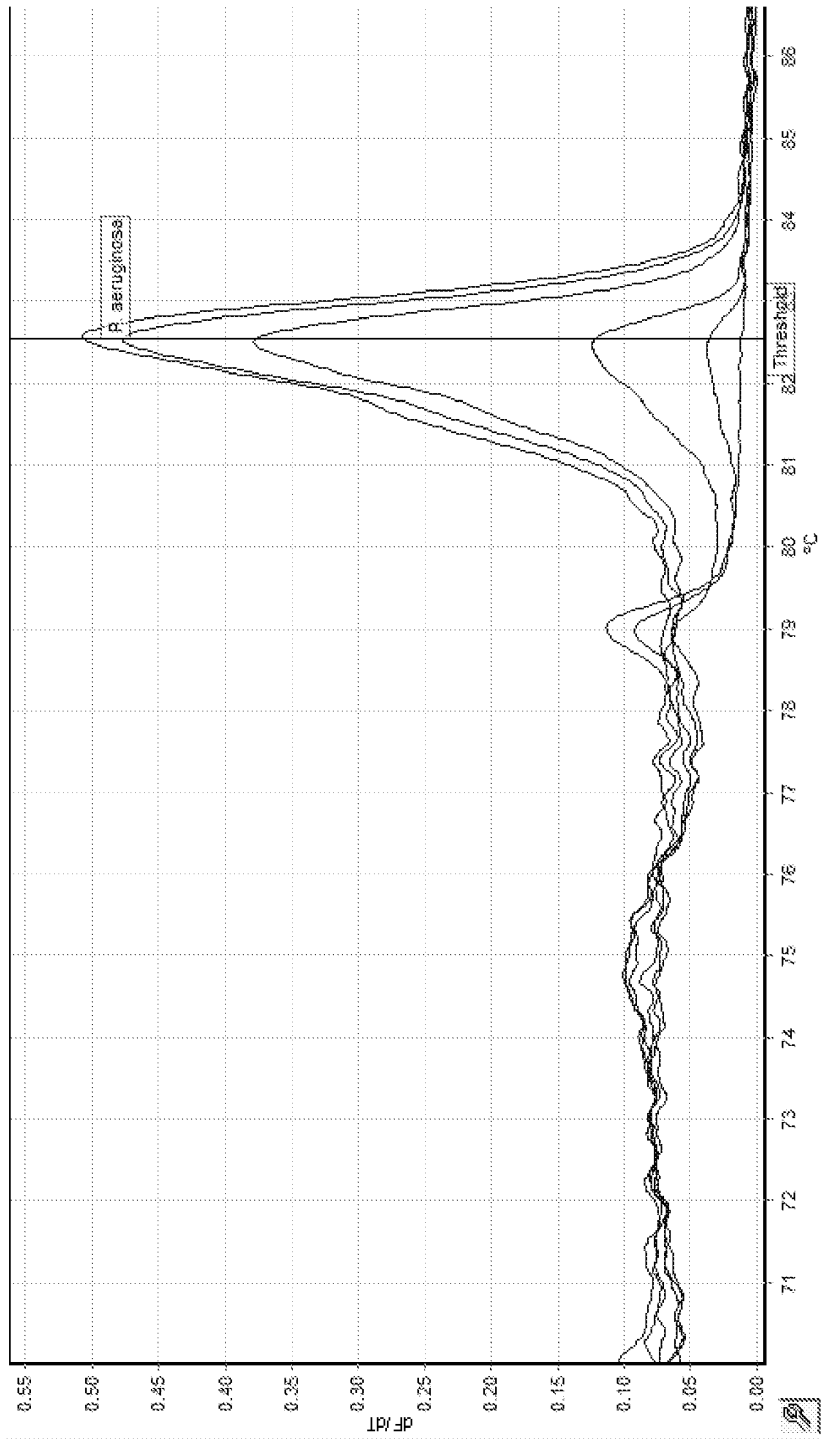


FIG. 6

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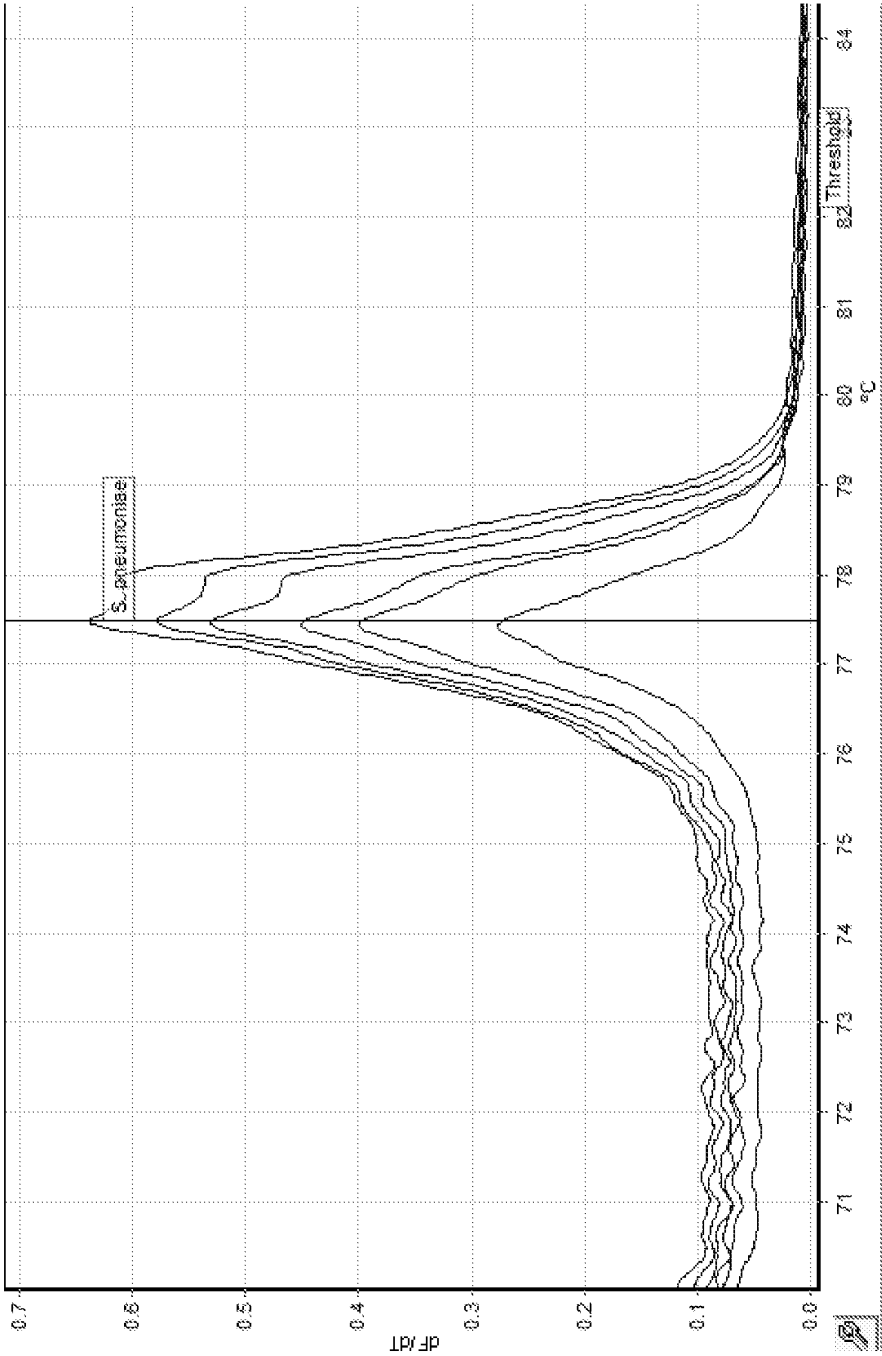


FIG. 7

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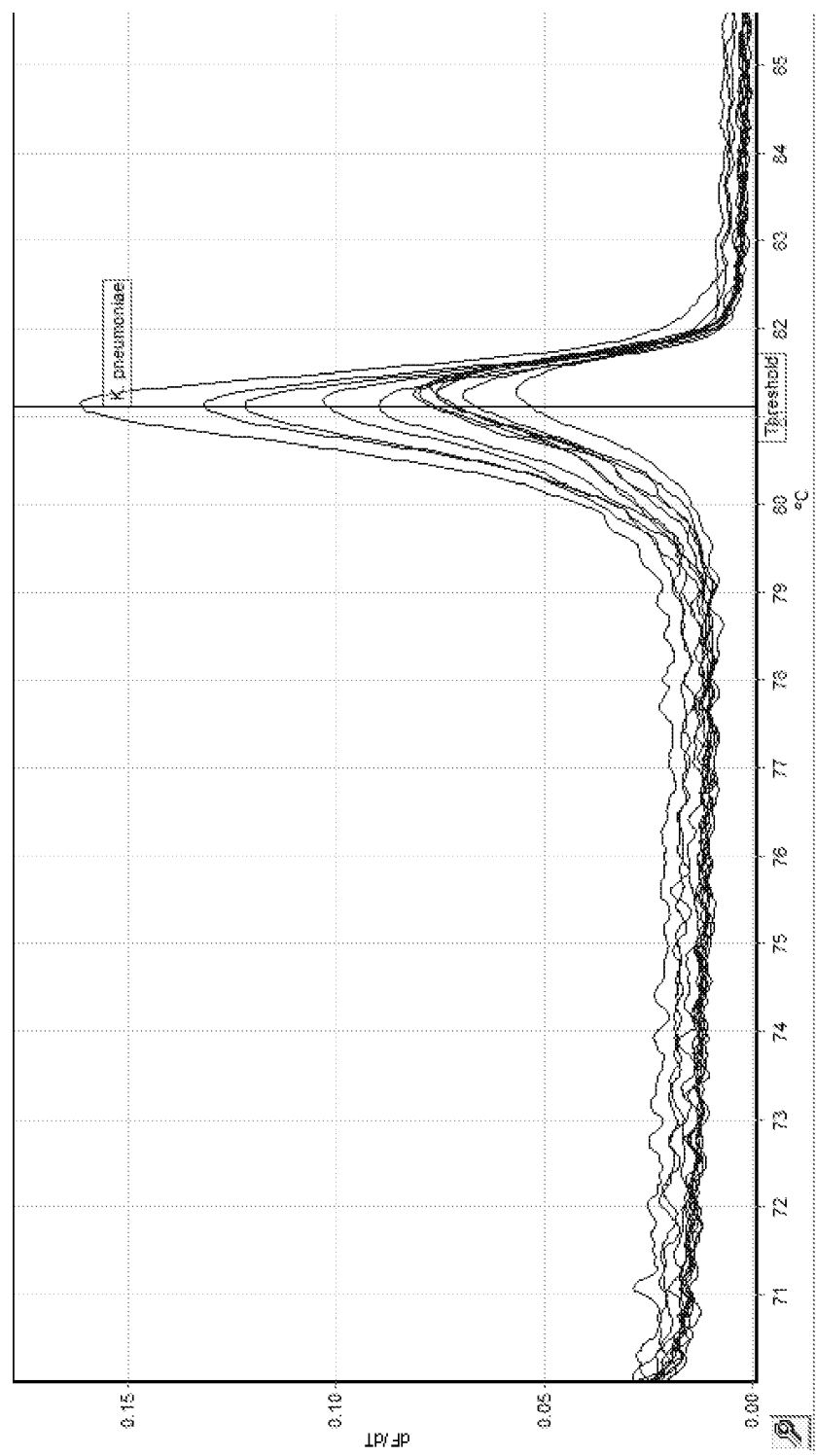


FIG. 8

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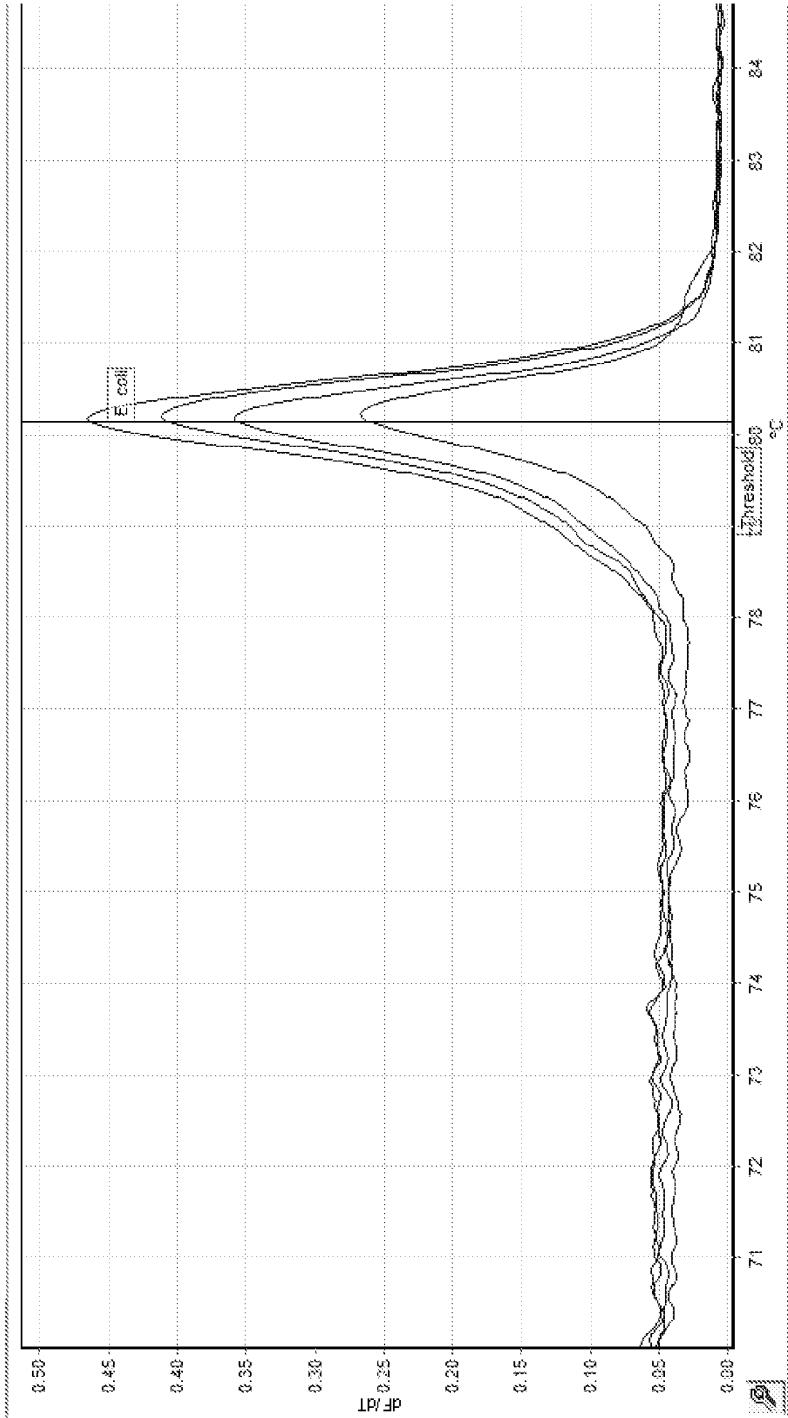


FIG. 9

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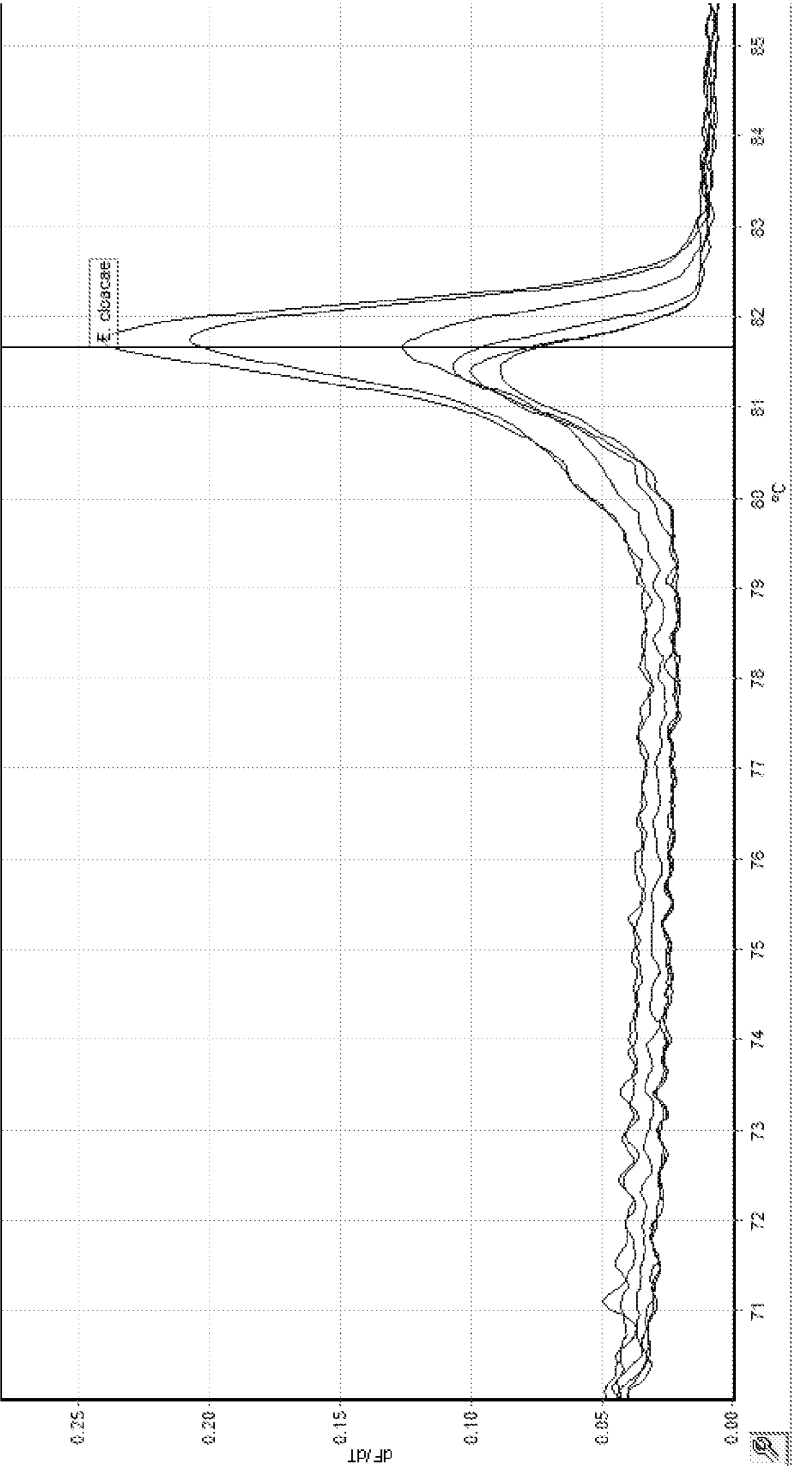


FIG. 10

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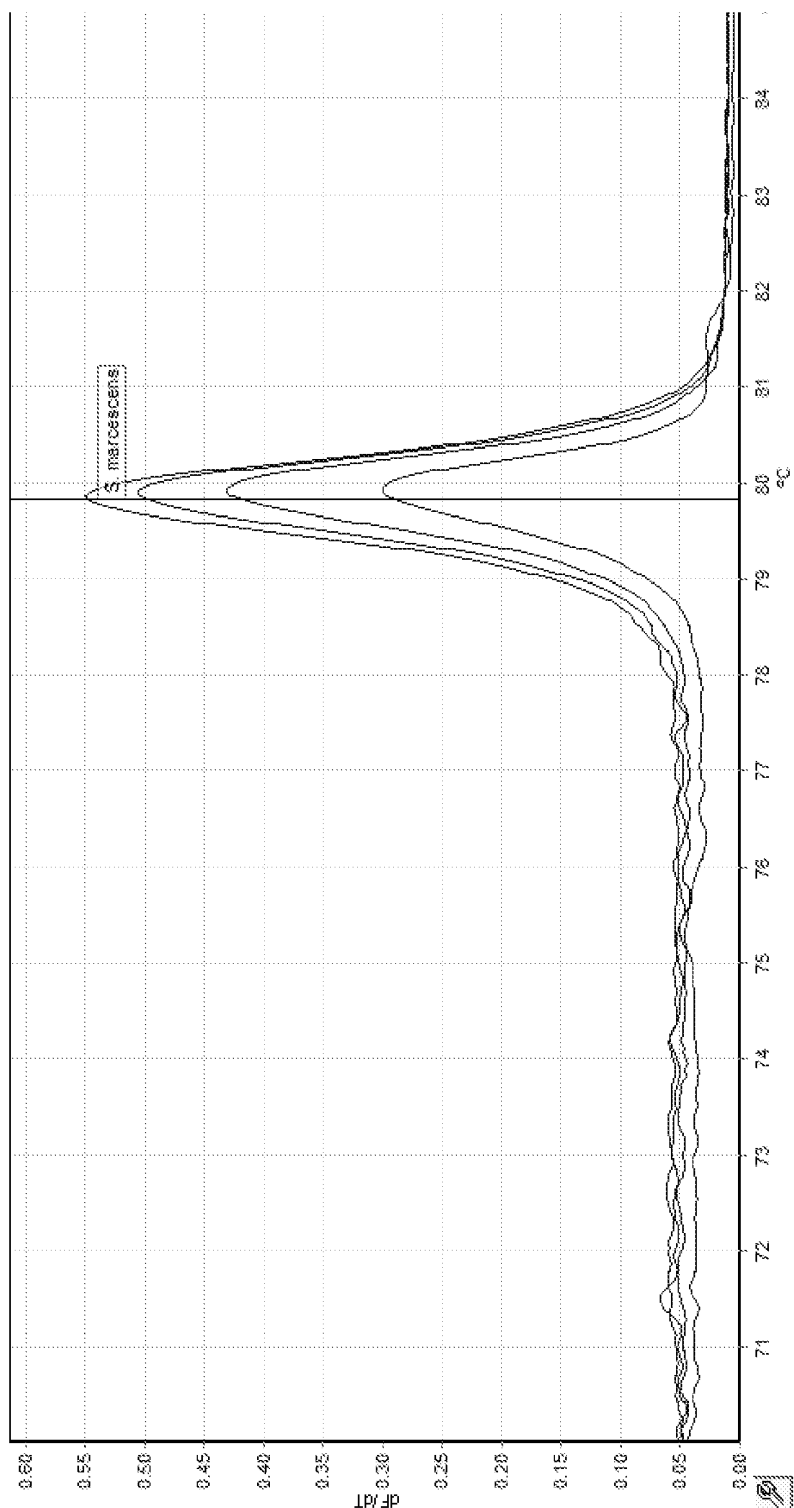


FIG. 11

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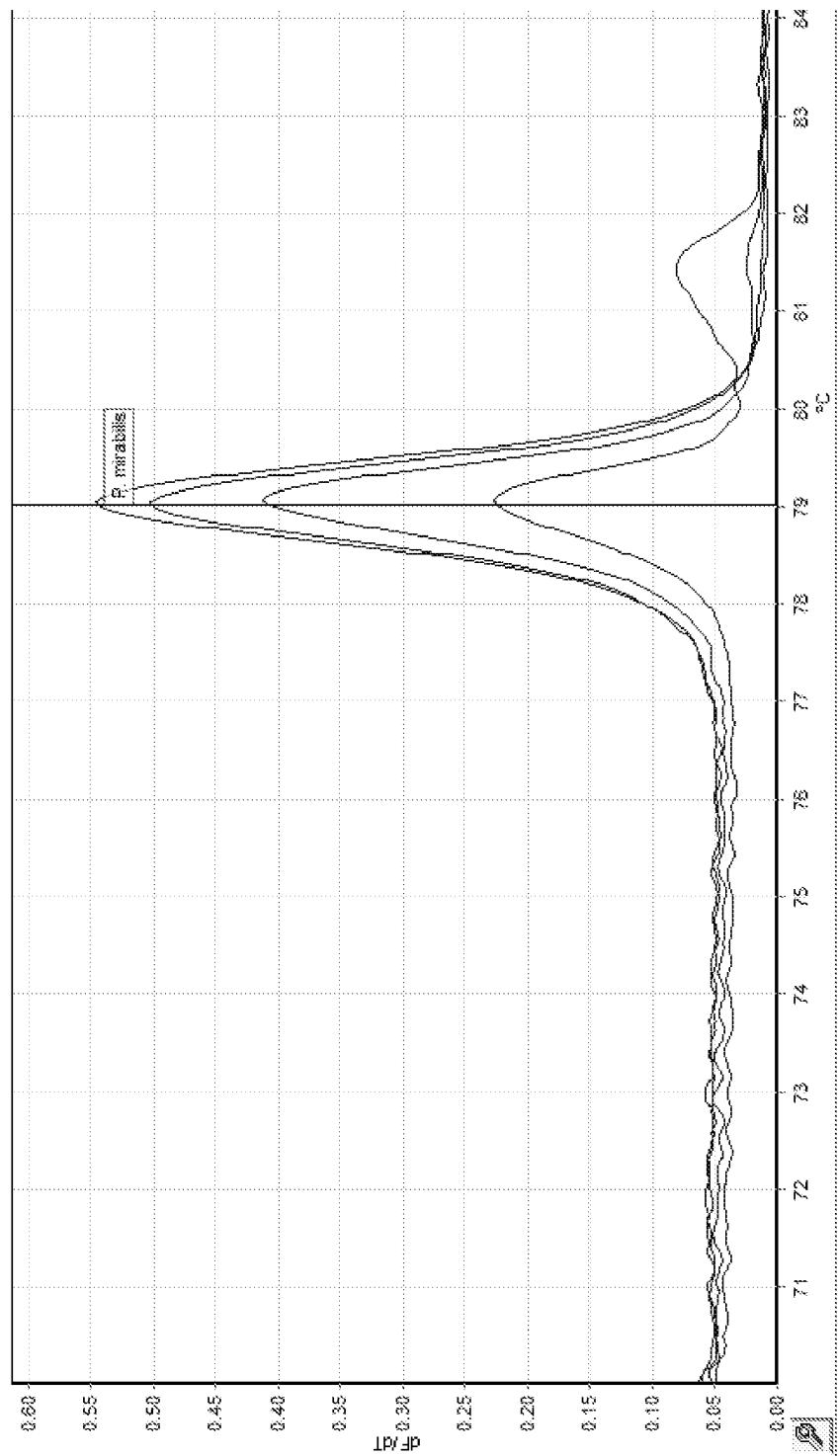


FIG. 12

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Staphylococcus aureus	GGTGAGTAACACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
Staphylococcus epidermidis	GGTGAGTAACACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
Streptococcus pneumoniae	GGTGAGTAACGCGTAGTAACCTGCTGCTGAGCGGGGATAACTATTTGGGAACGATAGCT
Streptococcus agalactiae	GGTGAGTAACGCGTAGTAACCTGCTGCTGAGCGGGGATAACTATTTGGGAACGATAGCT
Streptococcus pyogenes	GGTGAGTAACGCGTAGTAACCTGCTGCTGAGCGGGGATAACTATTTGGGAACGATAGCT
Enterococcus faecalis	GGTGAGTAACACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
Enterococcus faecium	GGTGAGTAACACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
Proteus mirabilis	GGTGAGTAACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
Escherichia coli	GGTGAGTAACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
Serratia marcescens	GGTGAGTAACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
Enterobacter aerogenes	GGTGAGTAACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
Enterobacter cloacae	GGTGAGTAACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
Klebsiella pneumoniae	GGTGAGTAACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
Pseudomonas aeruginosa	GGTGAGTAACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
Acinetobacter calcoaceticus	GGTGAGTAACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
	***** *
Staphylococcus aureus	AATACCGGATAATATTTTGAACCCCATGGTTCAAAATGA--AAGACGGTCTTCTGTCTCA
Staphylococcus epidermidis	AATACCGGATAATATTTTGAACCCCATGGTTCAAAATGA--AAGACGGTCTTCTGTCTCA
Streptococcus pneumoniae	AATACCGGATAAGAGTGGATGTTCATGACAT-TTGCTTAAA--GGTGCACCTGCATCA
Streptococcus agalactiae	AATACCGGATAAGAGTGGATGTTCATGACAT-TTGCTTAAA--GGTGCACCTGCATCA
Streptococcus pyogenes	AATACCGGATAAGAGTGGATGTTCATGACAT-TTGCTTAAA--GGTGCACCTGCATCA
Enterococcus faecalis	AATACCGGATAACAGTGTAT-GGGTCATGGCATTAAGAGTGAAGGCGCTTGGGCTCTCG
Enterococcus faecium	AATACCGGATAACAGTGTAT-GGGTCATGGCATTAAGAGTGAAGGCGCTTGGGCTCTCG
Proteus mirabilis	AATACCGGATAATATTTTGAACCCCATGGTTCAAAATGA--AAGACGGTCTTCTGTCTCA
Escherichia coli	AATACCGGATAATATTTTGAACCCCATGGTTCAAAATGA--AAGACGGTCTTCTGTCTCA
Serratia marcescens	AATACCGGATAACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
Enterobacter aerogenes	AATACCGGATAACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
Enterobacter cloacae	AATACCGGATAACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
Klebsiella pneumoniae	AATACCGGATAACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
Pseudomonas aeruginosa	AATACCGGATAACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
Acinetobacter calcoaceticus	AATACCGGATAACGCTGGGATAACCTACCTATATAAGACTGGGATAACTCTGGGGAACCCGGAGCT
	***** *

FIG. 13 cont'd

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Staphylococcus aureus	TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG	SNP378	TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG
Staphylococcus epidermidis	TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG		TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG
Streptococcus pneumoniae	TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG		TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG
Streptococcus agalactiae	TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG		TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG
Streptococcus pyogenes	TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG		TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG
Enterococcus faecalis	TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG		TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG
Enterococcus faecium	TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG		TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG
Proteus mirabilis	TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG		TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG
Escherichia coli	TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG		TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG
Serratia marcescens	TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG		TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG
Enterobacter aerogenes	TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG		TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG
Enterobacter cloacae	TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG		TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG
Klebsiella pneumoniae	TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG		TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG
Pseudomonas aeruginosa	TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG		TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG
Acinetobacter calcoaceticus	TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG		TCTTACGGGACGACAGTAGGGAATCTTCCGCAATGGTCCGAAAGCCCTGACGACCAACG
Staphylococcus aureus	CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT	SNP412	CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT
Staphylococcus epidermidis	CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT		CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT
Streptococcus pneumoniae	CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT		CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT
Streptococcus agalactiae	CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT		CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT
Streptococcus pyogenes	CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT		CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT
Enterococcus faecalis	CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT		CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT
Enterococcus faecium	CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT		CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT
Proteus mirabilis	CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT		CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT
Escherichia coli	CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT		CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT
Serratia marcescens	CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT		CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT
Enterobacter aerogenes	CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT		CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT
Enterobacter cloacae	CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT		CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT
Klebsiella pneumoniae	CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT		CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT
Pseudomonas aeruginosa	CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT		CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT
Acinetobacter calcoaceticus	CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT		CCGGGTGACTGATGAAGGTCCTTCGGATCGTAAACTCTGTTATTAGGGAGAACATATGT

FIG. 13 cont'd

Staphylococcus aureus	GTAAAGTAAC-TGTGCGACATCTTTGACGGTACCTAATCAGAAAGCCACGCTAACTACAGTGC
Staphylococcus epidermidis	GTAAAGTAAC-TATGCAAGCTCTTACCGGTACCTAATCAGAAAGCCACGCTAACTACAGTGC
Streptococcus pneumoniae	GAGAGTGGAAGTTCACACGTGTGACGGTATCTTACCGAAGAGGACGGCTAACTACAGTGC
Streptococcus agalactiae	AGGAGTGGAAATCTACCAAGTGAOEGTAACTAACCGAAGAGGACGGCTAACTACAGTGC
Streptococcus pyogenes	GGGAGTGGAAATCCACCAAGTGAAGGTAACTAACCGAAGAGGACGGCTAACTACAGTGC
Enterococcus faecalis	ETTAATAAC-TGAAGCTCCCTGACGGTATCTAACGAAAGCCACGGCTAACTACAGTGC
Enterococcus faecium	GAGAGTAAC-TGTTTCATCCCTGACGGTATCTAACGAAAGCCACGGCTAACTACAGTGC
Proteus mirabilis	AGGTTAATAACCTTGTGTCATTTGACGGTACCCGCAAGAGAGCCACGGCTAACTCCGCTGC
Escherichia coli	AAGTTAATAACCTTGTGTCATTTGACGGTACCCGCAAGAGAGCCACGGCTAACTCCGCTGC
Serratia marcescens	AGCTTAAATACGTTTCATCAATTTGACGGTAACTCGCAGAAAGAGCCACGGCTAACTCCGCTGC
Enterobacter aerogenes	AGGTTAATAACCTTGTGTCATTTGACGGTAACTCGCAGAAAGAGCCACGGCTAACTCCGCTGC
Enterobacter cloacae	TGGTTAATAACCGCAGCAATTTGACGGTAACTCGCAGAAAGAGCCACGGCTAACTCCGCTGC
Klebsiella pneumoniae	AGGTTAATAACCTTCATCGATTTGACGGTAACTCGTCAAGAGAGCCACGGCTAACTCCGCTGC
Pseudomonas aeruginosa	AASTTAATAAC-CTTGTGCTGTTTTCACGGTTACCAACAGAAATAGCACCGGTAACTCTGTGC
Acinetobacter calcoaceticus	GTATTAAATACTACTGGATAGTGGACGGTTACTCGCAAAATAGCACCGGTAACTCTGTGC
Staphylococcus aureus	CAGCAGCCCGCGGTAAATACGTAGTGGCGAAGCGTTATCCGGAAATTAATTTGGCCCTAAAGCCG
Staphylococcus epidermidis	CAGCAGCCCGCGGTAAATACGTAGTGGCGAAGCGTTATCCGGAAATTAATTTGGCCCTAAAGCCG
Streptococcus pneumoniae	CAGCAGCCCGCGGTAAATACGTAGTCCGAGCGTTGTCGCGAATTAATTTGGCCCTAAAGCCG
Streptococcus agalactiae	CAGCAGCCCGCGGTAAATACGTAGTCCGAGCGTTGTCGCGAATTAATTTGGCCCTAAAGCCG
Streptococcus pyogenes	CAGCAGCCCGCGGTAAATACGTAGTCCGAGCGTTGTCGCGAATTAATTTGGCCCTAAAGCCG
Enterococcus faecalis	CAGCAGCCCGCGGTAAATACGTAGTGGCGAAGCGTTGTCGCGAATTAATTTGGCCCTAAAGCCG
Enterococcus faecium	CAGCAGCCCGCGGTAAATACGTAGTGGCGAAGCGTTGTCGCGAATTAATTTGGCCCTAAAGCCG
Proteus mirabilis	CAGCAGCCCGCGGTAAATACGGAGGGTGCAGCGTTAATCGGAATTAATTTGGCCCTAAAGCCG
Escherichia coli	CAGCAGCCCGCGGTAAATACGGAGGGTGCAGCGTTAATCGGAATTAATTTGGCCCTAAAGCCG
Serratia marcescens	CAGCAGCCCGCGGTAAATACGGAGGGTGCAGCGTTAATCGGAATTAATTTGGCCCTAAAGCCG
Enterobacter aerogenes	CAGCAGCCCGCGGTAAATACGGAGGGTGCAGCGTTAATCGGAATTAATTTGGCCCTAAAGCCG
Enterobacter cloacae	CAGCAGCCCGCGGTAAATACGGAGGGTGCAGCGTTAATCGGAATTAATTTGGCCCTAAAGCCG
Klebsiella pneumoniae	CAGCAGCCCGCGGTAAATACAGAGGGTGCAGCGTTAATCGGAATTAATTTGGCCCTAAAGCCG
Pseudomonas aeruginosa	CAGCAGCCCGCGGTAAATACAGAGGGTGCAGCGTTAATCGGAATTAATTTGGCCCTAAAGCCG
Acinetobacter calcoaceticus	CAGCAGCCCGCGGTAAATACAGAGGGTGCAGCGTTAATCGGAATTAATTTGGCCCTAAAGCCG

FIG. 13 cont'd

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Staphylococcus aureus	GCGTAGCGCGTTTAACTCTGATGTGAAGAACCCACGGCTCAACCGTGGAGGTCATTG
Staphylococcus epidermidis	GCGTAGCGCGTTTAACTCTGATGTGAAGAACCCACGGCTCAACCGTGGAGGTCATTG
Streptococcus pneumoniae	GCGCAGCGCGTTAAGTAACTCTGAAGTAAAGCTGTGCTGCTTAAACCATAGT-AGGCTTTG
Streptococcus agalactiae	GCGCAGCGCGTTTAACTCTGAAGTAAAGGTCAGTGGCTGCTTAAACCATAGT-AGGCTTTG
Streptococcus pyogenes	GCGCAGCGCGTTTAACTCTGAAGTAAAGGTCAGTGGCTGCTTAAACCATAGT-AGGCTTTG
Enterococcus faecalis	GCGCAGCGCGTTTAACTCTGAAGTAAAGGTCAGTGGCTGCTTAAACCATAGT-AGGCTTTG
Enterococcus faecium	GCGCAGCGCGTTTAACTCTGAAGTAAAGGTCAGTGGCTGCTTAAACCATAGT-AGGCTTTG
Proteus mirabilis	GCGCAGCGCGTTTAACTCTGAAGTAAAGGTCAGTGGCTGCTTAAACCATAGT-AGGCTTTG
Escherichia coli	ACGCAGCGCGTTTAACTCTGAAGTAAAGGTCAGTGGCTGCTTAAACCATAGT-AGGCTTTG
Serratia marcescens	ACGCAGCGCGTTTAACTCTGAAGTAAAGGTCAGTGGCTGCTTAAACCATAGT-AGGCTTTG
Enterobacter aerogenes	ACGCAGCGCGTTTAACTCTGAAGTAAAGGTCAGTGGCTGCTTAAACCATAGT-AGGCTTTG
Enterobacter cloacae	ACGCAGCGCGTTTAACTCTGAAGTAAAGGTCAGTGGCTGCTTAAACCATAGT-AGGCTTTG
Klebsiella pneumoniae	ACGCAGCGCGTTTAACTCTGAAGTAAAGGTCAGTGGCTGCTTAAACCATAGT-AGGCTTTG
Pseudomonas aeruginosa	GCGTAGCGCGTTTAACTCTGAAGTAAAGGTCAGTGGCTGCTTAAACCATAGT-AGGCTTTG
Acinetobacter calcoaceticus	GCGTAGCGCGTTTAACTCTGAAGTAAAGGTCAGTGGCTGCTTAAACCATAGT-AGGCTTTG
Staphylococcus aureus	GAAACTGGGAAACTTGAAGTGCAGAAAGAGGAAAGTGGAAATTCATGTGTAGCGGTGAAATG
Staphylococcus epidermidis	GAAACTGGGAAACTTGAAGTGCAGAAAGAGGAAAGTGGAAATTCATGTGTAGCGGTGAAATG
Streptococcus pneumoniae	GAAACTGGTAAACTTGAAGTGCAGAAAGAGGAAAGTGGAAATTCATGTGTAGCGGTGAAATG
Streptococcus agalactiae	GAAACTGGGAAACTTGAAGTGCAGAAAGAGGAAAGTGGAAATTCATGTGTAGCGGTGAAATG
Streptococcus pyogenes	GAAACTGGGAAACTTGAAGTGCAGAAAGAGGAAAGTGGAAATTCATGTGTAGCGGTGAAATG
Enterococcus faecalis	GAAACTGGGAAACTTGAAGTGCAGAAAGAGGAAAGTGGAAATTCATGTGTAGCGGTGAAATG
Enterococcus faecium	GAAACTGGGAAACTTGAAGTGCAGAAAGAGGAAAGTGGAAATTCATGTGTAGCGGTGAAATG
Proteus mirabilis	GAAACTGGTGGCTTGAAGTGCAGAAAGAGGAAAGTGGAAATTCATGTGTAGCGGTGAAATG
Escherichia coli	GATACTGGGAACTTGAAGTGCAGAAAGAGGAAAGTGGAAATTCATGTGTAGCGGTGAAATG
Serratia marcescens	GAAACTGGGAACTTGAAGTGCAGAAAGAGGAAAGTGGAAATTCATGTGTAGCGGTGAAATG
Enterobacter aerogenes	GAAACTGGGAACTTGAAGTGCAGAAAGAGGAAAGTGGAAATTCATGTGTAGCGGTGAAATG
Enterobacter cloacae	GAAACTGGGAACTTGAAGTGCAGAAAGAGGAAAGTGGAAATTCATGTGTAGCGGTGAAATG
Klebsiella pneumoniae	GAAACTGGGAACTTGAAGTGCAGAAAGAGGAAAGTGGAAATTCATGTGTAGCGGTGAAATG
Pseudomonas aeruginosa	AAAACCTGGGAACTTGAAGTGCAGAAAGAGGAAAGTGGAAATTCATGTGTAGCGGTGAAATG
Acinetobacter calcoaceticus	CATACTGGGAACTTGAAGTGCAGAAAGAGGAAAGTGGAAATTCATGTGTAGCGGTGAAATG

FIG. 13 cont'd

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Staphylococcus aureus	CGCAGAGATATGAGAGGAACACACAGTGGCGAAGGCGACTTCTGCTGTAACTGACGCTG
Staphylococcus epidermidis	CCGACAGATATGAGAGGAACACACAGTGGCGAAGGCGACTTCTGCTGTAACTGACGCTG
Streptococcus pneumoniae	CGTAGATATATGAGAGGAACACACCGGTGGCGAAGGCGCTCTCTGCTGTAACTGACGCTG
Streptococcus agalactiae	CGTAGATATATGAGAGGAACACACCGGTGGCGAAGGCGCTCTCTGCTGTAACTGACGCTG
Streptococcus pyogenes	CGTAGATATATGAGAGGAACACACCGGTGGCGAAGGCGCTCTCTGCTGTAACTGACGCTG
Enterococcus faecalis	CGTAGATATATGAGAGGAACACACCGGTGGCGAAGGCGCTCTCTGCTGTAACTGACGCTG
Enterococcus faecium	CGTAGATATATGAGAGGAACACACCGGTGGCGAAGGCGCTCTCTGCTGTAACTGACGCTG
Proteus mirabilis	CGTAGATATATGAGAGGAACACACCGGTGGCGAAGGCGCTCTCTGCTGTAACTGACGCTG
ESCHERICHIA COLI	CGTAGATATATGAGAGGAACACACCGGTGGCGAAGGCGCTCTCTGCTGTAACTGACGCTG
Serratia marcescens	CGTAGATATATGAGAGGAACACACCGGTGGCGAAGGCGCTCTCTGCTGTAACTGACGCTG
Enterobacter aerogenes	CGTAGATATATGAGAGGAACACACCGGTGGCGAAGGCGCTCTCTGCTGTAACTGACGCTG
Enterobacter cloacae	CGTAGATATATGAGAGGAACACACCGGTGGCGAAGGCGCTCTCTGCTGTAACTGACGCTG
Klebsiella pneumoniae	CGTAGATATATGAGAGGAACACACCGGTGGCGAAGGCGCTCTCTGCTGTAACTGACGCTG
Pseudomonas aeruginosa	CGTAGATATATGAGAGGAACACACCGGTGGCGAAGGCGCTCTCTGCTGTAACTGACGCTG
Acinetobacter calcoaceticus	CGTAGATATATGAGAGGAACACACCGGTGGCGAAGGCGCTCTCTGCTGTAACTGACGCTG
Staphylococcus aureus	ATGTGCGAAAGCGTGGGAGTCAACACAGGATTAGATACCTGTGCTAGTCCACGCCGTAAACG
Staphylococcus epidermidis	ATGTGCGAAAGCGTGGGAGTCAACACAGGATTAGATACCTGTGCTAGTCCACGCCGTAAACG
Streptococcus pneumoniae	AGGCTCGAAAGCGTGGGAGTCAACACAGGATTAGATACCTGTGCTAGTCCACGCCGTAAACG
Streptococcus agalactiae	AGGCTCGAAAGCGTGGGAGTCAACACAGGATTAGATACCTGTGCTAGTCCACGCCGTAAACG
Streptococcus pyogenes	AGGCTCGAAAGCGTGGGAGTCAACACAGGATTAGATACCTGTGCTAGTCCACGCCGTAAACG
Enterococcus faecalis	AGGCTCGAAAGCGTGGGAGTCAACACAGGATTAGATACCTGTGCTAGTCCACGCCGTAAACG
Enterococcus faecium	AGGCTCGAAAGCGTGGGAGTCAACACAGGATTAGATACCTGTGCTAGTCCACGCCGTAAACG
Proteus mirabilis	AGGCTCGAAAGCGTGGGAGTCAACACAGGATTAGATACCTGTGCTAGTCCACGCCGTAAACG
Escherichia coli	AGGCTCGAAAGCGTGGGAGTCAACACAGGATTAGATACCTGTGCTAGTCCACGCCGTAAACG
Serratia marcescens	AGGCTCGAAAGCGTGGGAGTCAACACAGGATTAGATACCTGTGCTAGTCCACGCCGTAAACG
Enterobacter aerogenes	AGGCTCGAAAGCGTGGGAGTCAACACAGGATTAGATACCTGTGCTAGTCCACGCCGTAAACG
Enterobacter cloacae	AGGCTCGAAAGCGTGGGAGTCAACACAGGATTAGATACCTGTGCTAGTCCACGCCGTAAACG
Klebsiella pneumoniae	AGGCTCGAAAGCGTGGGAGTCAACACAGGATTAGATACCTGTGCTAGTCCACGCCGTAAACG
Pseudomonas aeruginosa	AGGCTCGAAAGCGTGGGAGTCAACACAGGATTAGATACCTGTGCTAGTCCACGCCGTAAACG
Acinetobacter calcoaceticus	AGGCTCGAAAGCGTGGGAGTCAACACAGGATTAGATACCTGTGCTAGTCCACGCCGTAAACG

FIG. 13 cont'd

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Staphylococcus aureus	ATGAGTGTCTAAGTGTAGGGGGTTTCCGCCCTTACTGCTGAGCTAACGCATTAAAGCAC
Staphylococcus epidermidis	ATGAGTGTCTAAGTGTAGGGGGTTTCCGCCCTTACTGCTGAGCTAACGCATTAAAGCAC
Streptococcus pneumoniae	ATGAGTGTCTAAGTGTAGACCCCTTCCGGGTTTACTGCTGAGCTAACGCATTAAAGCAC
Streptococcus agalactiae	ATGAGTGTCTAAGTGTAGGACCCCTTCCGGGTTTACTGCTGAGCTAACGCATTAAAGCAC
Streptococcus pyogenes	ATGAGTGTCTAAGTGTAGGACCCCTTCCGGGTTTACTGCTGAGCTAACGCATTAAAGCAC
Enterococcus faecalis	ATGAGTGTCTAAGTGTAGGAGGTTTCCGCCCTTACTGCTGAGCTAACGCATTAAAGCAC
Enterococcus faecium	ATGAGTGTCTAAGTGTAGGAGGTTTCCGCCCTTACTGCTGAGCTAACGCATTAAAGCAC
Proteus mirabilis	ATGTCGATTTAGAGGTTGTGGTCTTG-AAACCTGGCTTCTGAGCTAACGCATTAAAGCAC
Escherichia coli	ATGTCGATTTAGAGGTTGTGGTCTTG-AGGCTGGCTTCCGAGCTAACGCATTAAAGCAC
Serratia marcescens	ATGTCGATTTAGAGGTTGTGGTCTTG-AGGCTGGCTTCCGAGCTAACGCATTAAAGCAC
Enterobacter aerogenes	ATGTCGATTTAGAGGTTGTGGTCTTG-AGGCTGGCTTCCGAGCTAACGCATTAAAGCAC
Enterobacter cloacae	ATGTCGATTTAGAGGTTGTGGTCTTG-AGGCTGGCTTCCGAGCTAACGCATTAAAGCAC
Klebsiella pneumoniae	ATGTCGATTTAGAGGTTGTGGTCTTG-AGGCTGGCTTCCGAGCTAACGCATTAAAGCAC
Pseudomonas aeruginosa	ATGTCGATTTAGAGGTTGTGGTCTTG-AGGCTGGCTTCCGAGCTAACGCATTAAAGCAC
Acinetobacter calcoaceticus	ATGTTTACTAGCCGTTGGGGCTTTG-AGGCTTACTGGCGAGCTAACGCATTAAAGTAG
	*** * * * * *
Staphylococcus aureus	TCCGCTGGGGAGTACGACCCGCAAGTTGAACTCAAGGAATTGACGGGACCCGCACA
Staphylococcus epidermidis	TCCGCTGGGGAGTACGACCCGCAAGTTGAACTCAAGGAATTGACGGGACCCGCACA
Streptococcus pneumoniae	TCCGCTGGGGAGTACGACCCGCAAGTTGAACTCAAGGAATTGACGGGACCCGCACA
Streptococcus agalactiae	TCCGCTGGGGAGTACGACCCGCAAGTTGAACTCAAGGAATTGACGGGACCCGCACA
Streptococcus pyogenes	TCCGCTGGGGAGTACGACCCGCAAGTTGAACTCAAGGAATTGACGGGACCCGCACA
Enterococcus faecalis	TCCGCTGGGGAGTACGACCCGCAAGTTGAACTCAAGGAATTGACGGGACCCGCACA
Enterococcus faecium	TCCGCTGGGGAGTACGACCCGCAAGTTGAACTCAAGGAATTGACGGGACCCGCACA
Proteus mirabilis	ACCGCTGGGGAGTACGACCCGCAAGTTGAACTCAAGGAATTGACGGGACCCGCACA
Escherichia coli	ACCGCTGGGGAGTACGACCCGCAAGTTGAACTCAAGGAATTGACGGGACCCGCACA
Serratia marcescens	ACCGCTGGGGAGTACGACCCGCAAGTTGAACTCAAGGAATTGACGGGACCCGCACA
Enterobacter aerogenes	ACCGCTGGGGAGTACGACCCGCAAGTTGAACTCAAGGAATTGACGGGACCCGCACA
Enterobacter cloacae	ACCGCTGGGGAGTACGACCCGCAAGTTGAACTCAAGGAATTGACGGGACCCGCACA
Klebsiella pneumoniae	ACCGCTGGGGAGTACGACCCGCAAGTTGAACTCAAGGAATTGACGGGACCCGCACA
Pseudomonas aeruginosa	ACCGCTGGGGAGTACGACCCGCAAGTTGAACTCAAGGAATTGACGGGACCCGCACA
Acinetobacter calcoaceticus	ACCGCTGGGGAGTACGACCCGCAAGTTGAACTCAAGGAATTGACGGGACCCGCACA
	***** * * * * *

FIG. 13 cont'd

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Staphylococcus aureus	AGCGGTGGAGCATGTGTTTAAATTCGAAGCAACGCGAAGAACCTTACCAATCTTGGACAT
Staphylococcus epidermidis	AGCGGTGGAGCATGTGTTTAAATTCGAAGCAACGCGAAGAACCTTACCAATCTTGGACAT
Streptococcus pneumoniae	AGCGGTGGAGCATGTGTTTAAATTCGAAGCAACGCGAAGAACCTTACCAAGTCTTGGACAT
Streptococcus agalactiae	AGCGGTGGAGCATGTGTTTAAATTCGAAGCAACGCGAAGAACCTTACCAAGTCTTGGACAT
Streptococcus pyogenes	AGCGGTGGAGCATGTGTTTAAATTCGAAGCAACGCGAAGAACCTTACCAAGTCTTGGACAT
Enterococcus faecalis	AGCGGTGGAGCATGTGTTTAAATTCGAAGCAACGCGAAGAACCTTACCAAGTCTTGGACAT
Enterococcus faecium	AGCGGTGGAGCATGTGTTTAAATTCGAAGCAACGCGAAGAACCTTACCAAGTCTTGGACAT
Proteus mirabilis	AGCGGTGGAGCATGTGTTTAAATTCGAAGCAACGCGAAGAACCTTACCAAGTCTTGGACAT
Escherichia coli	AGCGGTGGAGCATGTGTTTAAATTCGAAGCAACGCGAAGAACCTTACCAAGTCTTGGACAT
Serratia marcescens	AGCGGTGGAGCATGTGTTTAAATTCGAAGCAACGCGAAGAACCTTACCAAGTCTTGGACAT
Enterobacter aerogenes	AGCGGTGGAGCATGTGTTTAAATTCGAAGCAACGCGAAGAACCTTACCAAGTCTTGGACAT
Enterobacter cloacae	AGCGGTGGAGCATGTGTTTAAATTCGAAGCAACGCGAAGAACCTTACCAAGTCTTGGACAT
Klebsiella pneumoniae	AGCGGTGGAGCATGTGTTTAAATTCGAAGCAACGCGAAGAACCTTACCAAGTCTTGGACAT
Pseudomonas aeruginosa	AGCGGTGGAGCATGTGTTTAAATTCGAAGCAACGCGAAGAACCTTACCAAGTCTTGGACAT
Acinetobacter calcoaceticus	AGCGGTGGAGCATGTGTTTAAATTCGAAGCAACGCGAAGAACCTTACCAAGTCTTGGACAT

Staphylococcus aureus	CCTTTGACAACTCTAGAGATAGAGCTTTCCCTTCGGGGGACAAAGTGACAGGTGGTGCA
Staphylococcus epidermidis	CCTTCGACCCCTCTAGAGATAGAGCTTTCCCTTCGGGGGACAAAGTGACAGGTGGTGCA
Streptococcus pneumoniae	CCTTCGACCCCTCTAGAGATAGAGCTTTTCCTTCGGGGACAGAGTGACAGGTGGTGCA
Streptococcus agalactiae	CCTTCGACCCCTCTAGAGATAGAGCTTTTCCTTCGGGGACAGAGTGACAGGTGGTGCA
Streptococcus pyogenes	CCTTCGACCCCTCTAGAGATAGAGCTTTTCCTTCGGGGACAGAGTGACAGGTGGTGCA
Enterococcus faecalis	CCTTCGACCCCTCTAGAGATAGAGCTTTTCCTTCGGGGACAGAGTGACAGGTGGTGCA
Enterococcus faecium	CCTTCGACCCCTCTAGAGATAGAGCTTTTCCTTCGGGGACAGAGTGACAGGTGGTGCA
Proteus mirabilis	CCTTCGACCCCTCTAGAGATAGAGCTTTTCCTTCGGGGACAGAGTGACAGGTGGTGCA
Escherichia coli	CCTTCGACCCCTCTAGAGATAGAGCTTTTCCTTCGGGGACAGAGTGACAGGTGGTGCA
Serratia marcescens	CCTTCGACCCCTCTAGAGATAGAGCTTTTCCTTCGGGGACAGAGTGACAGGTGGTGCA
Enterobacter aerogenes	CCTTCGACCCCTCTAGAGATAGAGCTTTTCCTTCGGGGACAGAGTGACAGGTGGTGCA
Enterobacter cloacae	CCTTCGACCCCTCTAGAGATAGAGCTTTTCCTTCGGGGACAGAGTGACAGGTGGTGCA
Klebsiella pneumoniae	CCTTCGACCCCTCTAGAGATAGAGCTTTTCCTTCGGGGACAGAGTGACAGGTGGTGCA
Pseudomonas aeruginosa	CCTTCGACCCCTCTAGAGATAGAGCTTTTCCTTCGGGGACAGAGTGACAGGTGGTGCA
Acinetobacter calcoaceticus	CCTTCGACCCCTCTAGAGATAGAGCTTTTCCTTCGGGGACAGAGTGACAGGTGGTGCA

FIG. 13 cont'd

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Staphylococcus aureus	TGGTTGTCGTCAGCTCGTGTGCTGAGATGTTGGCTTAAGTCCCGCAACGAGCGCAACCCCT
Staphylococcus epidermidis	TGGTTGTCGTCAGCTCGTGTGCTGAGATGTTGGCTTAAGTCCCGCAACGAGCGCAACCCCT
Streptococcus pneumoniae	TGGTTGTCGTCAGCTCGTGTGCTGAGATGTTGGCTTAAGTCCCGCAACGAGCGCAACCCCT
Streptococcus agalactiae	TGGTTGTCGTCAGCTCGTGTGCTGAGATGTTGGCTTAAGTCCCGCAACGAGCGCAACCCCT
Streptococcus pyogenes	TGGTTGTCGTCAGCTCGTGTGCTGAGATGTTGGCTTAAGTCCCGCAACGAGCGCAACCCCT
Enterococcus faecalis	TGGTTGTCGTCAGCTCGTGTGCTGAGATGTTGGCTTAAGTCCCGCAACGAGCGCAACCCCT
Enterococcus faecium	TGGTTGTCGTCAGCTCGTGTGCTGAGATGTTGGCTTAAGTCCCGCAACGAGCGCAACCCCT
Proteus mirabilis	TGGTTGTCGTCAGCTCGTGTGCTGAGATGTTGGCTTAAGTCCCGCAACGAGCGCAACCCCT
Escherichia coli	TGGTTGTCGTCAGCTCGTGTGCTGAGATGTTGGCTTAAGTCCCGCAACGAGCGCAACCCCT
Serratia marcescens	TGGTTGTCGTCAGCTCGTGTGCTGAGATGTTGGCTTAAGTCCCGCAACGAGCGCAACCCCT
Enterobacter aerogenes	TGGTTGTCGTCAGCTCGTGTGCTGAGATGTTGGCTTAAGTCCCGCAACGAGCGCAACCCCT
Enterobacter cloacae	TGGTTGTCGTCAGCTCGTGTGCTGAGATGTTGGCTTAAGTCCCGCAACGAGCGCAACCCCT
Klebsiella pneumoniae	TGGTTGTCGTCAGCTCGTGTGCTGAGATGTTGGCTTAAGTCCCGCAACGAGCGCAACCCCT
Pseudomonas aeruginosa	TGGTTGTCGTCAGCTCGTGTGCTGAGATGTTGGCTTAAGTCCCGCAACGAGCGCAACCCCT
Acinetobacter calcoaceticus	TGGTTGTCGTCAGCTCGTGTGCTGAGATGTTGGCTTAAGTCCCGCAACGAGCGCAACCCCT
Staphylococcus aureus	TAAGCTTAGTTGCCATCATTT--AAGTTGGGCACTCTAAGTTGACTGCCGGTGACAAACCG
Staphylococcus epidermidis	TAAGCTTAGTTGCCATCATTT--AAGTTGGGCACTCTAAGTTGACTGCCGGTGACAAACCG
Streptococcus pneumoniae	TATTGTTAGTTGCCATCATTT--CAGTTGGGCACTCTAGCGAGACTGCCGGTAATAAACCG
Streptococcus agalactiae	TATTGTTAGTTGCCATCATTT--AAGTTGGGCACTCTAGCGAGACTGCCGGTAATAAACCG
Streptococcus pyogenes	TATTGTTAGTTGCCATCATTT--AAGTTGGGCACTCTAGCGAGACTGCCGGTAATAAACCG
Enterococcus faecalis	TATTGTTAGTTGCCATCATTT--TAGTTGGGCACTCTAGCGAGACTGCCGGTGACAAACCG
Enterococcus faecium	TATTGTTAGTTGCCATCATTT--CAGTTGGGCACTCTAGCGAGACTGCCGGTGACAAACCG
Proteus mirabilis	TATCCTTTGTTGCCAGCGGT--CCGGCCGGGCACTCAAGGAGACTGCCGGTGATAAACCG
Escherichia coli	TATCCTTTGTTGCCAGCGGT--CCGGCCGGGCACTCAAGGAGACTGCCGGTGATAAACCG
Serratia marcescens	TATCCTTTGTTGCCAGCGGT--CCGGCCGGGCACTCAAGGAGACTGCCGGTGATAAACCG
Enterobacter aerogenes	TATCCTTTGTTGCCAGCGGT--CCGGCCGGGCACTCAAGGAGACTGCCGGTGATAAACCG
Enterobacter cloacae	TATCCTTTGTTGCCAGCGGT--CCGGCCGGGCACTCAAGGAGACTGCCGGTGATAAACCG
Klebsiella pneumoniae	TATCCTTTGTTGCCAGCGGT--TAGGCCGGGCACTCAAGGAGACTGCCGGTGATAAACCG
Pseudomonas aeruginosa	TATCCTTTGTTGCCAGCGGT--TAGGCCGGGCACTCAAGGAGACTGCCGGTGATAAACCG
Acinetobacter calcoaceticus	TATCCTTTGTTGCCAGCGGT--TAGGCCGGGCACTCAAGGAGACTGCCGGTGATAAACCG

FIG. 13 cont'd

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Staphylococcus aureus	GAGGAAGTGGGATGACGTCAAAATCATCATGCCCCCTTATGATTGGGCTACACACGTGC
Staphylococcus epidermidis	GACGAAGTGGGATGACGTCAAAATCATCATGCCCCCTTATGATTGGGCTACACACGTGC
Streptococcus pneumoniae	GAGGAAGTGGGATGACGTCAAAATCATCATGCCCCCTTATGATTGGGCTACACACGTGC
Streptococcus agalactiae	GAGGAAGTGGGATGACGTCAAAATCATCATGCCCCCTTATGATTGGGCTACACACGTGC
Streptococcus pyogenes	GAGGAAGTGGGATGACGTCAAAATCATCATGCCCCCTTATGATTGGGCTACACACGTGC
Enterococcus faecalis	GAGGAAGTGGGATGACGTCAAAATCATCATGCCCCCTTATGATTGGGCTACACACGTGC
Enterococcus faecium	GAGGAAGTGGGATGACGTCAAAATCATCATGCCCCCTTATGATTGGGCTACACACGTGC
Proteus mirabilis	GAGGAAGTGGGATGACGTCAAAATCATCATGCCCCCTTATGATTGGGCTACACACGTGC
Escherichia coli	GAGGAAGTGGGATGACGTCAAAATCATCATGCCCCCTTATGATTGGGCTACACACGTGC
Serratia marcescens	GAGGAAGTGGGATGACGTCAAAATCATCATGCCCCCTTATGATTGGGCTACACACGTGC
Enterobacter aerogenes	GAGGAAGTGGGATGACGTCAAAATCATCATGCCCCCTTATGATTGGGCTACACACGTGC
Enterobacter cloacae	GAGGAAGTGGGATGACGTCAAAATCATCATGCCCCCTTATGATTGGGCTACACACGTGC
Klebsiella pneumoniae	GAGGAAGTGGGATGACGTCAAAATCATCATGCCCCCTTATGATTGGGCTACACACGTGC
Pseudomonas aeruginosa	GAGGAAGTGGGATGACGTCAAAATCATCATGCCCCCTTATGATTGGGCTACACACGTGC
Acinetobacter calcoaceticus	*****
Staphylococcus aureus	TACATGGGATGATACAAAGGGCAGCGAAACCGTGAGTCAAGCAATCCCATTAAGTTGT
Staphylococcus epidermidis	TACATGGGATGATACAAAGGGCAGCGAAACCGTGAGTCAAGCAATCCCATTAAGTTGT
Streptococcus pneumoniae	TACATGGGATGATACAAAGGGCAGCGAAACCGTGAGTCAAGCAATCCCATTAAGTTGT
Streptococcus agalactiae	TACATGGGATGATACAAAGGGCAGCGAAACCGTGAGTCAAGCAATCCCATTAAGTTGT
Streptococcus pyogenes	TACATGGGATGATACAAAGGGCAGCGAAACCGTGAGTCAAGCAATCCCATTAAGTTGT
Enterococcus faecalis	TACATGGGATGATACAAAGGGCAGCGAAACCGTGAGTCAAGCAATCCCATTAAGTTGT
Enterococcus faecium	TACATGGGATGATACAAAGGGCAGCGAAACCGTGAGTCAAGCAATCCCATTAAGTTGT
Proteus mirabilis	TACATGGGATGATACAAAGGGCAGCGAAACCGTGAGTCAAGCAATCCCATTAAGTTGT
Escherichia coli	TACATGGGATGATACAAAGGGCAGCGAAACCGTGAGTCAAGCAATCCCATTAAGTTGT
Serratia marcescens	TACATGGGATGATACAAAGGGCAGCGAAACCGTGAGTCAAGCAATCCCATTAAGTTGT
Enterobacter aerogenes	TACATGGGATGATACAAAGGGCAGCGAAACCGTGAGTCAAGCAATCCCATTAAGTTGT
Enterobacter cloacae	TACATGGGATGATACAAAGGGCAGCGAAACCGTGAGTCAAGCAATCCCATTAAGTTGT
Klebsiella pneumoniae	TACATGGGATGATACAAAGGGCAGCGAAACCGTGAGTCAAGCAATCCCATTAAGTTGT
Pseudomonas aeruginosa	TACATGGGATGATACAAAGGGCAGCGAAACCGTGAGTCAAGCAATCCCATTAAGTTGT
Acinetobacter calcoaceticus	*****

FIG. 13 cont'd

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Staphylococcus aureus	TCTCAGTTCCGATTGCTAGTCTGCAACTCGACTACATGATGAAGCTGGAATCCECTAGTAATCGT
Staphylococcus epidermidis	TCTCAGTTCCGATTGCTAGTCTGCAACTCGACTACATGATGAAGCTGGAATCCECTAGTAATCGT
Streptococcus pneumoniae	TCTCAGTTCCGATTGCTAGTCTGCAACTCGACTACATGATGAAGCTGGAATCCECTAGTAATCGT
Streptococcus agalactiae	TCTCAGTTCCGATTGCTAGTCTGCAACTCGACTACATGATGAAGCTGGAATCCECTAGTAATCGT
Streptococcus pyogenes	TCTCAGTTCCGATTGCTAGTCTGCAACTCGACTACATGATGAAGCTGGAATCCECTAGTAATCGT
Enterococcus faecalis	TCTCAGTTCCGATTGCTAGTCTGCAACTCGACTACATGATGAAGCTGGAATCCECTAGTAATCGT
Enterococcus faecium	TCTCAGTTCCGATTGCTAGTCTGCAACTCGACTACATGATGAAGCTGGAATCCECTAGTAATCGT
Proteus mirabilis	TCTCAGTTCCGATTGCTAGTCTGCAACTCGACTACATGATGAAGCTGGAATCCECTAGTAATCGT
Escherichia coli	TCTCAGTTCCGATTGCTAGTCTGCAACTCGACTACATGATGAAGCTGGAATCCECTAGTAATCGT
Serratia marcescens	TCTCAGTTCCGATTGCTAGTCTGCAACTCGACTACATGATGAAGCTGGAATCCECTAGTAATCGT
Enterobacter aerogenes	TCTCAGTTCCGATTGCTAGTCTGCAACTCGACTACATGATGAAGCTGGAATCCECTAGTAATCGT
Enterobacter cloacae	TCTCAGTTCCGATTGCTAGTCTGCAACTCGACTACATGATGAAGCTGGAATCCECTAGTAATCGT
Klebsiella pneumoniae	TCTCAGTTCCGATTGCTAGTCTGCAACTCGACTACATGATGAAGCTGGAATCCECTAGTAATCGT
Pseudomonas aeruginosa	TCTCAGTTCCGATTGCTAGTCTGCAACTCGACTACATGATGAAGCTGGAATCCECTAGTAATCGT
Acinetobacter calcoaceticus	TCTCAGTTCCGATTGCTAGTCTGCAACTCGACTACATGATGAAGCTGGAATCCECTAGTAATCGT
Staphylococcus aureus	AGATCAGCATGCTACGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTCAACCCAC
Staphylococcus epidermidis	AGATCAGCATGCTACGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTCAACCCAC
Streptococcus pneumoniae	GGATCAGCAGCCCGCGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTCAACCCAC
Streptococcus agalactiae	GGATCAGCAGCCCGCGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTCAACCCAC
Streptococcus pyogenes	GGATCAGCAGCCCGCGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTCAACCCAC
Enterococcus faecalis	GGATCAGCAGCCCGCGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTCAACCCAC
Enterococcus faecium	GGATCAGCAGCCCGCGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTCAACCCAC
Proteus mirabilis	AGATCAGCATGCTACGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTCAACCCAC
Escherichia coli	GGATCAGCATGCTACGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTCAACCCAC
Serratia marcescens	AGATCAGCATGCTACGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTCAACCCAC
Enterobacter aerogenes	AGATCAGCATGCTACGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTCAACCCAC
Enterobacter cloacae	AGATCAGCATGCTACGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTCAACCCAC
Klebsiella pneumoniae	GGATCAGCATGCTACGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTCAACCCAC
Pseudomonas aeruginosa	GGATCAGCATGCTACGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTCAACCCAC
Acinetobacter calcoaceticus	GGATCAGCATGCTACGGTGAATACGTTCCCGGGTCTTGTACACACCGCCCGTCAACCCAC

FIG. 13 cont'd

Staphylococcus aureus	GAGAGTTTGTAAACACCCGGAAGCCCGGTGGAGTAACCTTTTAAAGAGCTAGCCGCTGAAGGTG
Staphylococcus epidermidis	GAGAGTTTGTAAACACCCGGAAGCCCGGTGGAGTAACCTTTTAAAGAGCTAGCCGCTGAAGGTG
Streptococcus pneumoniae	GAGAGTTTGTAAACACCCGGAAGCCCGGTGGAGTAACCTTTTAAAGAGCTAGCCGCTGAAGGTG
Streptococcus agalactiae	GAGAGTTTGTAAACACCCGGAAGCCCGGTGGAGTAACCTTTTAAAGAGCTAGCCGCTGAAGGTG
Streptococcus pyogenes	GAGAGTTTGTAAACACCCGGAAGCCCGGTGGAGTAACCTTTTAAAGAGCTAGCCGCTGAAGGTG
Enterococcus faecalis	GAGAGTTTGTAAACACCCGGAAGCCCGGTGGAGTAACCTTTTAAAGAGCTAGCCGCTGAAGGTG
Enterococcus faecium	GAGAGTTTGTAAACACCCGGAAGCCCGGTGGAGTAACCTTTTAAAGAGCTAGCCGCTGAAGGTG
Proteus mirabilis	GAGAGTTTGTAAACACCCGGAAGCCCGGTGGAGTAACCTTTTAAAGAGCTAGCCGCTGAAGGTG
Escherichia coli	GAGAGTTTGTAAACACCCGGAAGCCCGGTGGAGTAACCTTTTAAAGAGCTAGCCGCTGAAGGTG
Serratia marcescens	GAGAGTTTGTAAACACCCGGAAGCCCGGTGGAGTAACCTTTTAAAGAGCTAGCCGCTGAAGGTG
Enterobacter aerogenes	GAGAGTTTGTAAACACCCGGAAGCCCGGTGGAGTAACCTTTTAAAGAGCTAGCCGCTGAAGGTG
Enterobacter cloacae	GAGAGTTTGTAAACACCCGGAAGCCCGGTGGAGTAACCTTTTAAAGAGCTAGCCGCTGAAGGTG
Klebsiella pneumoniae	GAGAGTTTGTAAACACCCGGAAGCCCGGTGGAGTAACCTTTTAAAGAGCTAGCCGCTGAAGGTG
Pseudomonas aeruginosa	GAGAGTTTGTAAACACCCGGAAGCCCGGTGGAGTAACCTTTTAAAGAGCTAGCCGCTGAAGGTG
Acinetobacter calcoaceticus	GAGAGTTTGTAAACACCCGGAAGCCCGGTGGAGTAACCTTTTAAAGAGCTAGCCGCTGAAGGTG
	↓ **** ↓ ↓ ↓ **** ↓ ↓ ↓ **** ↓ ↓ ↓ **** ↓
Staphylococcus aureus	GGACAAATGATGGGGTGAAGTCTGTAAACAGCTAGCCGCTATCGGAAGGTGGGCTGGATC
Staphylococcus epidermidis	GGACAAATGATGGGGTGAAGTCTGTAAACAGCTAGCCGCTATCGGAAGGTGGGCTGGATC
Streptococcus pneumoniae	GGATAGATGATGGGGTGAAGTCTGTAAACAGCTAGCCGCTATCGGAAGGTGGGCTGGATC
Streptococcus agalactiae	GGATAGATGATGGGGTGAAGTCTGTAAACAGCTAGCCGCTATCGGAAGGTGGGCTGGATC
Streptococcus pyogenes	GGATAGATGATGGGGTGAAGTCTGTAAACAGCTAGCCGCTATCGGAAGGTGGGCTGGATC
Enterococcus faecalis	GGATAGATGATGGGGTGAAGTCTGTAAACAGCTAGCCGCTATCGGAAGGTGGGCTGGATC
Enterococcus faecium	GGATAGATGATGGGGTGAAGTCTGTAAACAGCTAGCCGCTATCGGAAGGTGGGCTGGATC
Proteus mirabilis	TGATTCATGACTGGGGTGAAGTCTGTAAACAGCTAGCCGCTATCGGAAGGTGGGCTGGATC
Escherichia coli	TGATTCATGACTGGGGTGAAGTCTGTAAACAGCTAGCCGCTATCGGAAGGTGGGCTGGATC
Serratia marcescens	TGATTCATGACTGGGGTGAAGTCTGTAAACAGCTAGCCGCTATCGGAAGGTGGGCTGGATC
Enterobacter aerogenes	TGATTCATGACTGGGGTGAAGTCTGTAAACAGCTAGCCGCTATCGGAAGGTGGGCTGGATC
Enterobacter cloacae	TGATTCATGACTGGGGTGAAGTCTGTAAACAGCTAGCCGCTATCGGAAGGTGGGCTGGATC
Klebsiella pneumoniae	TGATTCATGACTGGGGTGAAGTCTGTAAACAGCTAGCCGCTATCGGAAGGTGGGCTGGATC
Pseudomonas aeruginosa	TGATTCATGACTGGGGTGAAGTCTGTAAACAGCTAGCCGCTATCGGAAGGTGGGCTGGATC
Acinetobacter calcoaceticus	TGATTCATGACTGGGGTGAAGTCTGTAAACAGCTAGCCGCTATCGGAAGGTGGGCTGGATC

FIG. 13 cont'd

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Staphylococcus aureus	ACCTCCCTTCT
Staphylococcus epidermidis	ACCTCCCTTCT
Streptococcus pneumoniae	-----
Streptococcus agalactiae	-----
Streptococcus pyogenes	ACCTCCCTT
Enterococcus faecalis	-----
Enterococcus faecium	ACCTCCCTT
Proteus mirabilis	ACCTCCCTTA
Escherichia coli	ACCTCCCTTA
Serratia marcescens	-----
Enterobacter aerogenes	-----
Enterobacter cloacae	ACCTCCCTG
Klebsiella pneumoniae	ACCTCCCTT
Pseudomonas aeruginosa	ACCTCCCTTA
Acinetobacter calcoaceticus	-----

FIG. 13 cont'd

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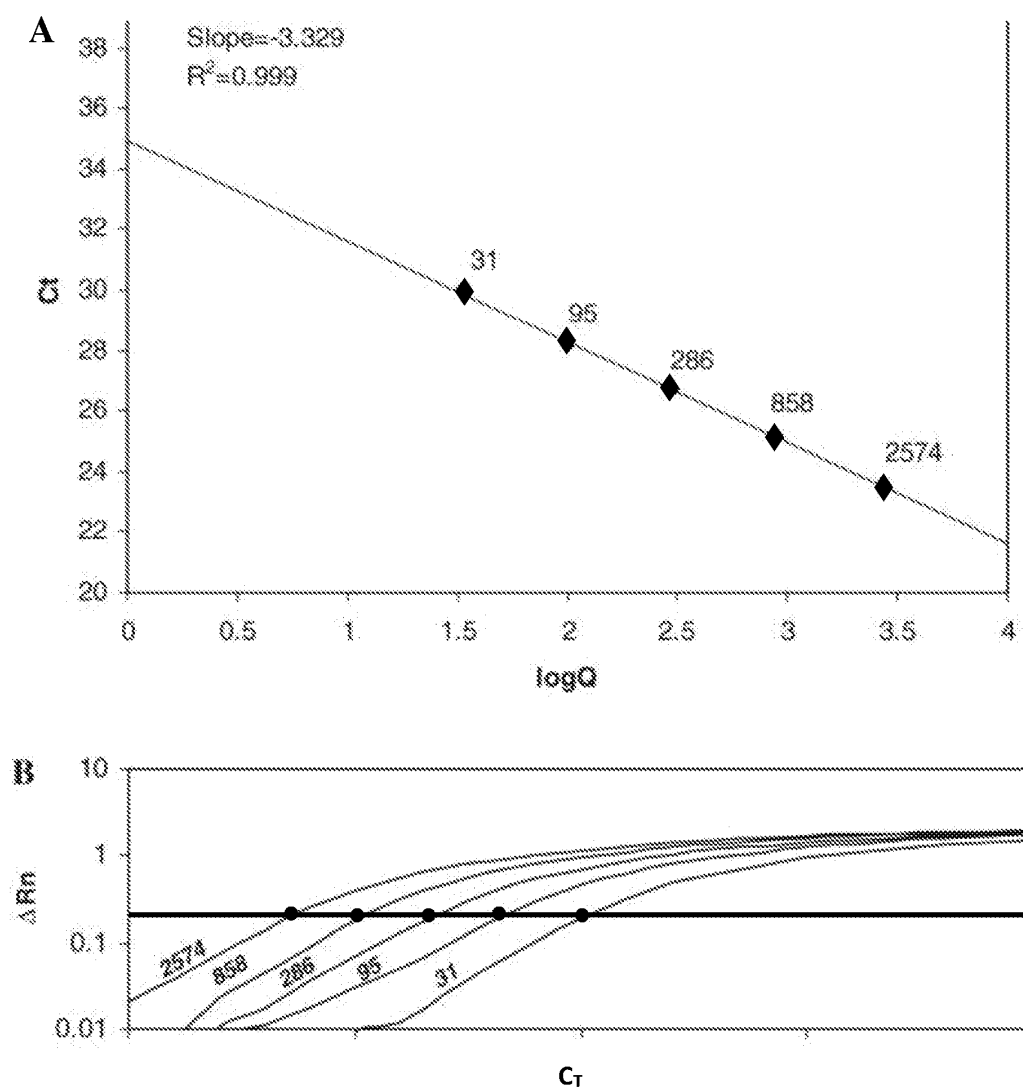


FIG. 14