

SEQUENCE LISTING

<110> Denka Company Limited
Toho University

<120> Primer set and probe for detection of Staphylococcus argenteus

<130> PU005489W001

<150> JP2020-062646

<151> 2020-03-31

<160> 15

<170> PatentIn version 3.5

<210> 1

<211> 687

<212> DNA

<213> Staphylococcus aureus strain NCTC13626

<400> 1

ttattgacct gaatcagcgt tgtcttcgct ccaaataatt aatttctctt tttttgcttg	60
tgcttcactt tttcttaaaa gttgttcatt tgtattgtta ggtttataaa cataagcaac	120
tttagccaag ccttgacgaa ctaaagcttc gtttaccatt tttccatcag cataaatata	180
cgctaagcca cgtccatatt tatcagttct ttgaccttg tcaaactcga cttcaatttt	240
ctttgcattt tctaccattt ttttcgtaaa tgcacttgct tcaggaccat atttctctac	300
acctttttta ggatgctttg tttcaggtgt atcaaccaat aatagtctga atgtcattgg	360
ttgaccttg tacattaatt taaccgtatc accatcaatc gctttaatta atgtcgcagg	420
ttctttatgt aatttttttag ttgaagttgc actatatact gttggatctt cagaaccact	480
tctattttacg ccattatctg tttgtgatgc atttgctgag ctacttagac ttgaaactac	540
aactaaagtt aacactaaac aactagtagc gaaatagaaa aacctctttg cgtattgccc	600
tttcgaaaca ttactgatag ccatccctat aagtaatat gaaacgattg ccatacatat	660
gccagcactt aataagtatt ctgtcat	687

<210> 2

<211> 687

<212> DNA

<213> Staphylococcus aureus strain AR221

<400> 2

ttattgacct gaatcagcgt tgtcttcgct ccaaataattt aatttctctt tttttgcttg	60
tgcttcactt tttcttaaaa gttgttcacg tgtattgtta ggtttataaa cataagcaac	120
tttagccaag ccttgacgaa ctaaagcttc gtttaccatt tttccatcag cataaatata	180
cgctaagcca cgtccatatt tatcagttct ttgacctttg tcaaactcga cttcaatttt	240
ctttgcattt tctaccattt ttttcgtaaa tgcacttgct tcaggaccat atttctctac	300
acctttttta ggatgctttg tttcaggtgt atcaaccaat aatagtctga atgtcattgg	360
ttgacctttg tacattaatt taaccgtatc accatcaatc gctttaatta atgtcgcagg	420
ttctttatgt aatttttttag ttgaagttgc actatatact gttggatctt cagaaccact	480
tctatttacg ccattatctg tttgtgatgc atttgctgag ctacttagac ttgaaactac	540
aactaaagtt aacactaaac aactagtagc gaaatagaaa aacctctttg cgtattgccc	600
tttcgaaaca ttactgatag ccatccctat aagtaatatt gaaacgattg ccatacatat	660
gccagcactt aataagtatt ctgtcat	687

<210> 3

<211> 669

<212> DNA

<213> Staphylococcus argenteus strain NCTC13711

<400> 3

ttattctgcg ttaccttcac tccaaatatt taaatgttct ttttttgctt gtgcttcact	60
ttttcttaat agttgttcac gtgtgttatt aggtttataa acatacgcaa cttttgctag	120
accttgacgc actaaagctt ggtaaccat cttaccatca gcatagatat aagctaagcc	180
acgtccatat ttatctgtct tttgaccttt gtcaaattcc acttctatct tcttagcatt	240
ctctaccata ttcttcgtaa atgcacttgc ttctgggcca tttttttcaa cgcctttttt	300
aggatgtttc gtttcaggcg tatcaattaa taacaatcta aatgtcattg gctttccttt	360
atacattaac ttaaccgtat caccatcgat cgctttaatt aatgtcgcag gttctttatg	420
taatttagtc gttgctgatt tactgtattc agttgcattg ctatttcctt cttcatcagt	480

tagttgggat gtcctgcag attgattaaa attagaaact acaactaatg ttaacactaa	540
gcaactaata gagaaaaata aaaatctttt cgctgtttgc tttttagaaa atttacttat	600
agccatcact acaagtacta atgaaacaat tgctgtaa atgccagcac ttaaaaagta	660
ttctgtcat	669

<210> 4
 <211> 669
 <212> DNA
 <213> Staphylococcus argenteus strain XN0106

<400> 4	
ttattctgcg ttaccttcac tccaaatatt taaatgttct tttttcgctt gtgcttcact	60
ttttcttaat agttgttcat gtgtgttatt aggtttataa acatagcaa cttttgctag	120
accttgacgc actaaagctt ggtaaccat cttaccatca gcatagatat aagctaagcc	180
acgtccatat ttatctgtct tttagacctt gtcaaattcc acttctatct tcttagcatt	240
ctctaccata ttcttcgtaa atgcacttgc ttctgggcca tttttttcaa cgcctttttt	300
aggatgtttc gtttcaggcg tatcaattaa taacaatcta aatgtcattg cttttccttt	360
atacattaac ttaaccgtat caccatcgat cgctttaatt aatgtcgcag gttctttatg	420
taatttagtc gttgctgatt tactgtattc agttgcattg ctatttcctt cttcatcagt	480
tagttgggat gtcctgcag attgattaaa attagaaact acaactaatg ttaacactaa	540
gcaactaata gagaaaaata aaaatctttt cgctgtttgc cttttagaaa atttacttat	600
agccatcact acaagtacta atgaaacaat tgccgtaa atgccagcac ttaaaaagta	660
ttctgtcat	669

<210> 5
 <211> 669
 <212> DNA
 <213> Staphylococcus schweitzeri strain FSCB5

<400> 5	
ttattctgcg ttaccttcac tccaaatatt tagatgttct tttttcgctt gtgcttcact	60
tttccttaat agttgttcat gtgtattatt aggtttatat acatatgcaa cttttgctaa	120

tccttgacgt actaacgctt gattaaccat tttgccatct gcataaatat aagctaattcc	180
acgtccatat ttatcagttt tttgtccttt gtcaaattca acttcaattt tcttagcatt	240
ctctaccatt tttttcgtaa acgcgcttgc ttctgggtccg tatttttcaa cgcctttttt	300
aggatgtttc gtttcgggcg tatcaattaa taacaatcta aatgtcattg gttgtccttt	360
gtacattaac ttaacagtat caccatcaat tgctttgatt aatgtcgcag gctctttatg	420
taatttagtc gttactgatt tgctatattc agttgcattg ctatttccat cttcatcagt	480
taattgggaa gtcgcagcag tttgattaaa attagaaatt acaactaatg ttaacactac	540
gcaactagta gagaaaaata aaaatctttt cgcggtttgc ctttgagaaa gtttacttat	600
agccatcact ataagtacta atgaacaat tgccgtaa atgccagcac ttaaaaagta	660
ttctgtcat	669

<210> 6
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer for Staphylococcus aureus

<400> 6	
gtagcgaaaw agaaaaacct c	21

<210> 7
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer for Staphylococcus aureus

<400> 7	
atacttatta agtgctggca tatg	24

<210> 8
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Probe for Staphylococcus aureus

<400> 8
 ccctataagt aatattgaaa c 21

<210> 9
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer for Staphylococcus argenteus

<400> 9
 ttccacttct attttcttag cattc 25

<210> 10
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer for Staphylococcus argenteus or schweitzeri

<400> 10
 attaattgat acgccygaaa cg 22

<210> 11
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer for Staphylococcus schweitzeri

<400> 11
 ttcaacttca attttyttag cattc 25

<210> 12
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Probe for Staphylococcus argenteus or schweitzeri

<400> 12
catatttttc aacgcct 17

<210> 13
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Prior Art Primer

<400> 13
gaaacaaagc atcctaataaa agg 23

<210> 14
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Prior Art Primer

<400> 14
aagccttgac gaactaaagc 20

<210> 15
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Prior Art Probe

<400> 15
ataagctaag ccacgtcc 18