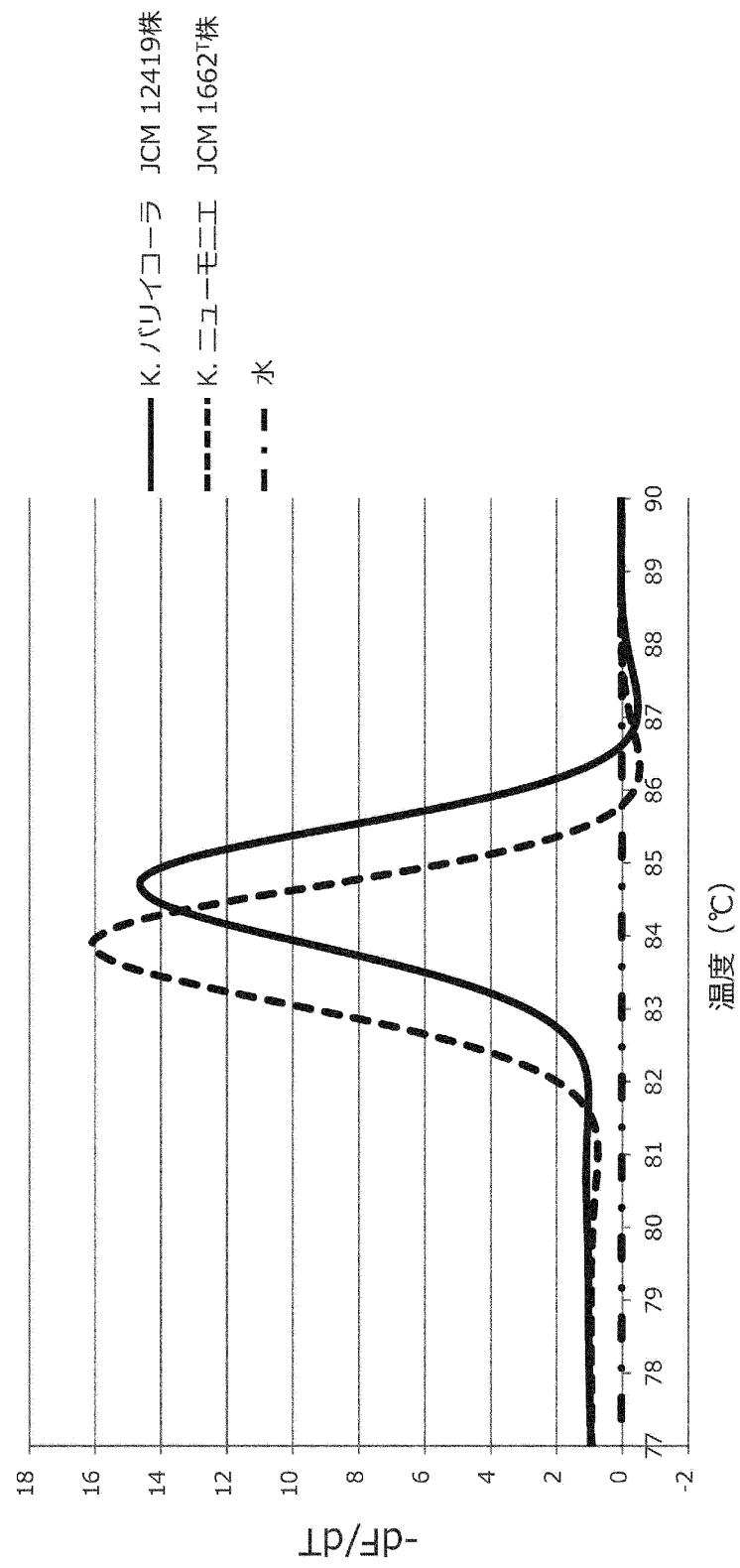


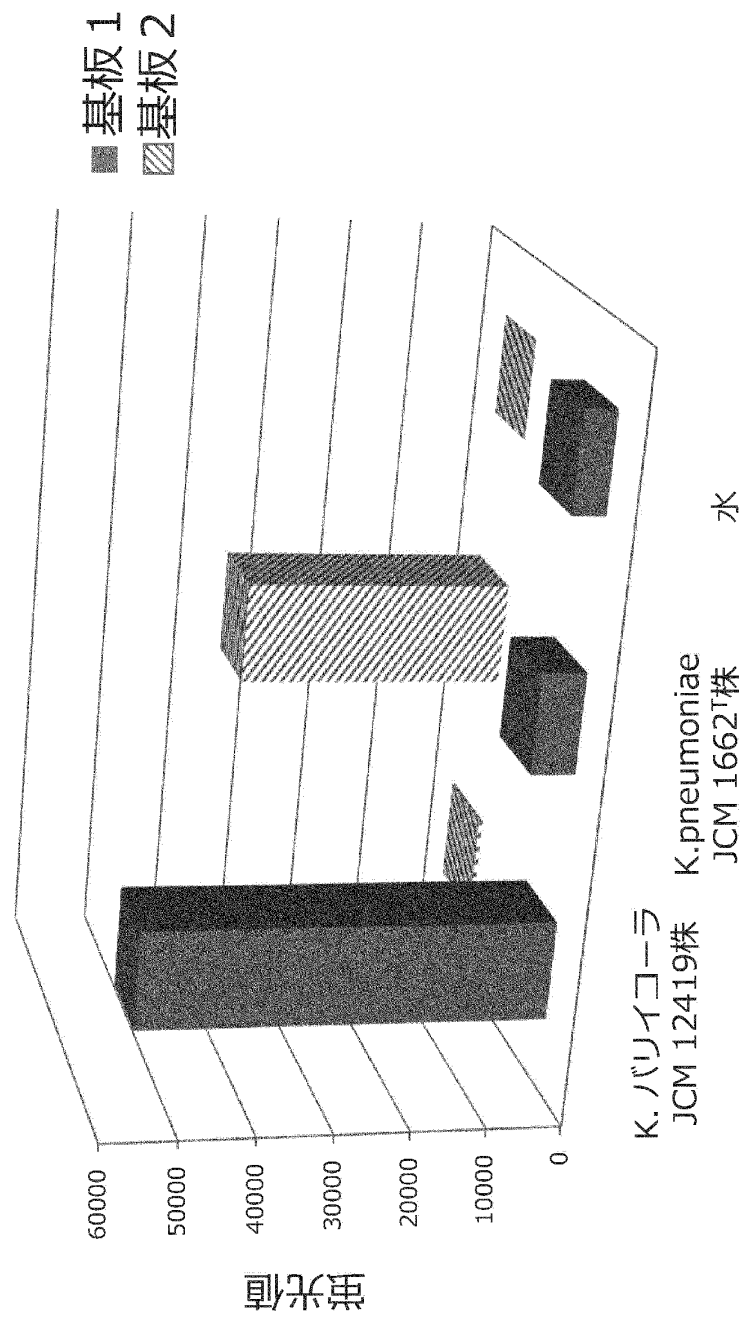
[図1]

Klebsiella variicola strain DSM 15968 1 TTCCGAAAGCGATGCTGAAAGAGCTTATCTATCAGCCGACCTGACCGAGCGCCGATCTGGCTGACGACGAGAGTTAACCCGCTGGGTGAACACCCCTGG 100
 Klebsiella variicola strain MGH 20 1 TTCCGAAAGCGATGCTGAAAGAGCTTATCTATCAGCCGACCTGACCGAGCGCCGATCTGGCTGACGACGAGAGTTAACCCGCTGGGTGAACACCCCTGG 100
 Klebsiella variicola strain X39 1 TTCCGAAAGCGATGCTGAAAGAGCTTATCTATCAGCCGACCTGACCGAGCGCCGATCTGGCTGACGACGAGAGTTAACCCGCTGGGTGAACACCCCTGG 100
 Klebsiella pneumoniae NU-CRE047 1 TTCCGAAAGCGCTGCTGAAAGAGCTTATCTATCAGCCGACCTGACCGAGCGCCGATCTGGCTGACGACGAGAGTTAACCCGCTGGGTGAACACCCCTGG 100
 Klebsiella pneumoniae strain CHS105 1 TTCCGAAAGCGCTGCTGAAAGAGCTTATCTATCAGCCGACCTGACCGAGCGCCGATCTGGCTGACGACGAGAGTTAACCCGCTGGGTGAACACCCCTGG 100
 Klebsiella pneumoniae strain KPNH33 1 TTCCGAAAGCGCTGCTGAAAGAGCTTATCTATCAGCCGACCTGACCGAGCGCCGATCTGGCTGACGACGAGAGTTAACCCGCTGGGTGAACACCCCTGG 100
 Klebsiella variicola strain DSM 15968 101 TTTCGAGCTGAATGAGAAAGAGCAGCAGCGAGCCAGTGGAAATTTGATGTCCGCGAGAAAGTAGTGAAATTCGACAGCTTTGAGCCGGAATTAATCCGCGTCCG 200
 Klebsiella variicola strain MGH 20 101 TTTCGAGCTGAATGAGAAAGAGCAGCAGCGAGCCAGTGGAAATTTGATGTCCGCGAGAAAGTAGTGAAATTCGACAGCTTTGAGCCGGAATTAATCCGCGTCCG 200
 Klebsiella variicola strain X39 101 TTTCGAGCTGAATGAGAAAGAGCAGCAGCGAGCCAGTGGAAATTTGATGTCCGCGAGAAAGTAGTGAAATTCGACAGCTTTGAGCCGGAATTAATCCGCGTCCG 200
 Klebsiella pneumoniae NU-CRE047 101 TTTCGAGCTGAACGAGAGAAAGAACAGCAGCGAGCCAGTGGAAATTTGATGTCCGCGAGAAAGTAGTGAAATTCGACAGCTTTGAGCCGGAATTAATCCGCGTCCG 200
 Klebsiella pneumoniae strain CHS105 101 TTTCGAGCTGAACGAGAGAAAGAACAGCAGCGAGCCAGTGGAAATTTGATGTCCGCGAGAAAGTAGTGAAATTCGACAGCTTTGAGCCGGAATTAATCCGCGTCCG 200
 Klebsiella pneumoniae strain KPNH33 101 TTTCGAGCTGAACGAGAGAAAGAACAGCAGCGAGCCAGTGGAAATTTGATGTCCGCGAGAAAGTAGTGAAATTCGACAGCTTTGAGCCGGAATTAATCCGCGTCCG 200
 Klebsiella variicola strain DSM 15968 201 TACCACGCGGTGGATACCAGCTATCCGCTGGATTAACAGATTATCATGGGCGCGGAATATCCCGTATCTGCACCTGGCGGAGAAACTCGCGGCGCTG 300
 Klebsiella variicola strain MGH 20 201 TACCACGCGGTGGATACCAGCTATCCGCTGGATTAACAGATTATCATGGGCGCGGAATATCCCGTATCTGCACCTGGCGGAGAAACTCGCGGCGCTG 300
 Klebsiella variicola strain X39 201 TACCACGCGGTGGATACCAGCTATCCGCTGGATTAACAGATTATCATGGGCGCGGAATATCCCGTATCTGCACCTGGCGGAGAAACTCGCGGCGCTG 300
 Klebsiella pneumoniae NU-CRE047 201 TACCACGCGGTGGATACCAGCTATCCGCTGGATTAACAGATTATCATGGGCGCGGAATATCCCGTATCTGCACCTGGCGGAGAAACTCGCGGCGCTG 300
 Klebsiella pneumoniae strain CHS105 201 TACCACGCGGTGGATACCAGCTATCCGCTGGATTAACAGATTATCATGGGCGCGGAATATCCCGTATCTGCACCTGGCGGAGAAACTCGCGGCGCTG 300
 Klebsiella pneumoniae strain KPNH33 201 TACCACGCGGTGGATACCAGCTATCCGCTGGATTAACAGATTATCATGGGCGCGGAATATCCCGTATCTGCACCTGGCGGAGAAACTCGCGGCGCTG 300
 Klebsiella variicola strain DSM 15968 301 ATGGAAGAAGATGCTTACATCGAGCGCGGCGAACGCGCTCAGCCGGTACCGAGTTCGAGAGAGCTTCGACTGGCTGTGTAAGAGAGTTCGCGTCCGCGTCC 400
 Klebsiella variicola strain MGH 20 301 ATGGAAGAAGATGCTTACATCGAGCGCGGCGAACGCGCTCAGCCGGTACCGAGTTCGAGAGAGCTTCGACTGGCTGTGTAAGAGAGTTCGCGTCCGCGTCC 400
 Klebsiella variicola strain X39 301 ATGGAAGAAGATGCTTACATCGAGCGCGGCGAACGCGCTCAGCCGGTACCGAGTTCGAGAGAGCTTCGACTGGCTGTGTAAGAGAGTTCGCGTCCGCGTCC 400
 Klebsiella pneumoniae NU-CRE047 301 ATGGAAGAAGATGCTTACATCGAGCGCGGCGAACGCGCTCAGCCGGTACCGAGTTCGAGAGAGCTTCGACTGGCTGTGTAAGAGAGTTCGCGTCCGCGTCC 400
 Klebsiella pneumoniae strain CHS105 301 ATGGAAGAAGATGCTTACATCGAGCGCGGCGAACGCGTTCGATCCGCGGTACCCAGCTTCGAGAGAGCCCTGGACTGGCTGTGTAAGAGAGTTCGCGTCCGCGTCC 400
 Klebsiella pneumoniae strain KPNH33 301 ATGGAAGAAGATGCTTACATCGAGCGCGGCGAACGCGTTCGATCCGCGGTACCCAGCTTCGAGAGAGCCCTGGACTGGCTGTGTAAGAGAGTTCGCGTCCGCGTCC 400
 Klebsiella variicola strain DSM 15968 401 TCTCCATCCAGCGCTATAAAGTCTGGGCGAGATGAACCCCGGATCAGCTGTGGGAAACCAACATGGATCGGACAGCCGCGCATGCTGGCGCTAACCGT 500
 Klebsiella variicola strain MGH 20 401 TCTCCATCCAGCGCTATAAAGTCTGGGCGAGATGAACCCCGGATCAGCTGTGGGAAACCAACATGGATCGGACAGCCGCGCATGCTGGCGCTAACCGT 500
 Klebsiella variicola strain X39 401 TCTCCATCCAGCGCTATAAAGTCTGGGCGAGATGAACCCCGGATCAGCTGTGGGAAACCAACATGGATCGGACAGCCGCGCATGCTGGCGCTAACCGT 500
 Klebsiella pneumoniae NU-CRE047 401 TCTCCATCCAGCGCTATAAAGTCTGGGCGAGATGAACCCCGGATCAGCTGTGGGAAACCAACATGGATCGGACAGCCGCGCATGCTGGCGCTAACCGT 500
 Klebsiella pneumoniae strain CHS105 401 TCTCCATCCAGCGCTATAAAGTCTGGGCGAGATGAACCCCGGATCAGCTGTGGGAAACCAACATGGATCGGACAGCCGCGCATGCTGGCGCTAACCGT 500
 Klebsiella pneumoniae strain KPNH33 401 TCTCCATCCAGCGCTATAAAGTCTGGGCGAGATGAACCCCGGATCAGCTGTGGGAAACCAACATGGATCGGACAGCCGCGCATGCTGGCGCTAACCGT 500
 Klebsiella variicola strain DSM 15968 501 TAAAGATCCGATCGCTGCGCGACAGCTGTTCACCAACCTGATGGCGGATCGCGCTGAGCCGCTGAGCCGCTTATCGAAGAGAGCCGCTTAAAGCGGCG 600
 Klebsiella variicola strain MGH 20 501 TAAAGATCCGATCGCTGCGCGACAGCTGTTCACCAACCTGATGGCGGATCGCGCTGAGCCGCTGAGCCGCTTATCGAAGAGAGCCGCTTAAAGCGGCG 600
 Klebsiella variicola strain X39 501 TAAAGATCCGATCGCTGCGCGACAGCTGTTCACCAACCTGATGGCGGATCGCGCTGAGCCGCTTATCGAAGAGAGCCGCTTAAAGCGGCG 600
 Klebsiella pneumoniae NU-CRE047 501 TAAAGATCCGATCGCTGCGCGACAGCTGTTCACCAACCTGATGGCGGATCGCGCTGAGCCGCTTATCGAAGAGAGCCGCTTAAAGCGGCG 600
 Klebsiella pneumoniae strain CHS105 501 TAAAGATCCGATCGCTGCGCGACAGCTGTTCACCAACCTGATGGCGGATCGCGCTGAGCCGCTTATCGAAGAGAGCCGCTTAAAGCGGCG 600
 Klebsiella pneumoniae strain KPNH33 501 TAAAGATCCGATCGCTGCGCGACAGCTGTTCACCAACCTGATGGCGGATCGCGCTGAGCCGCTTATCGAAGAGAGCCGCTTAAAGCGGCG 600

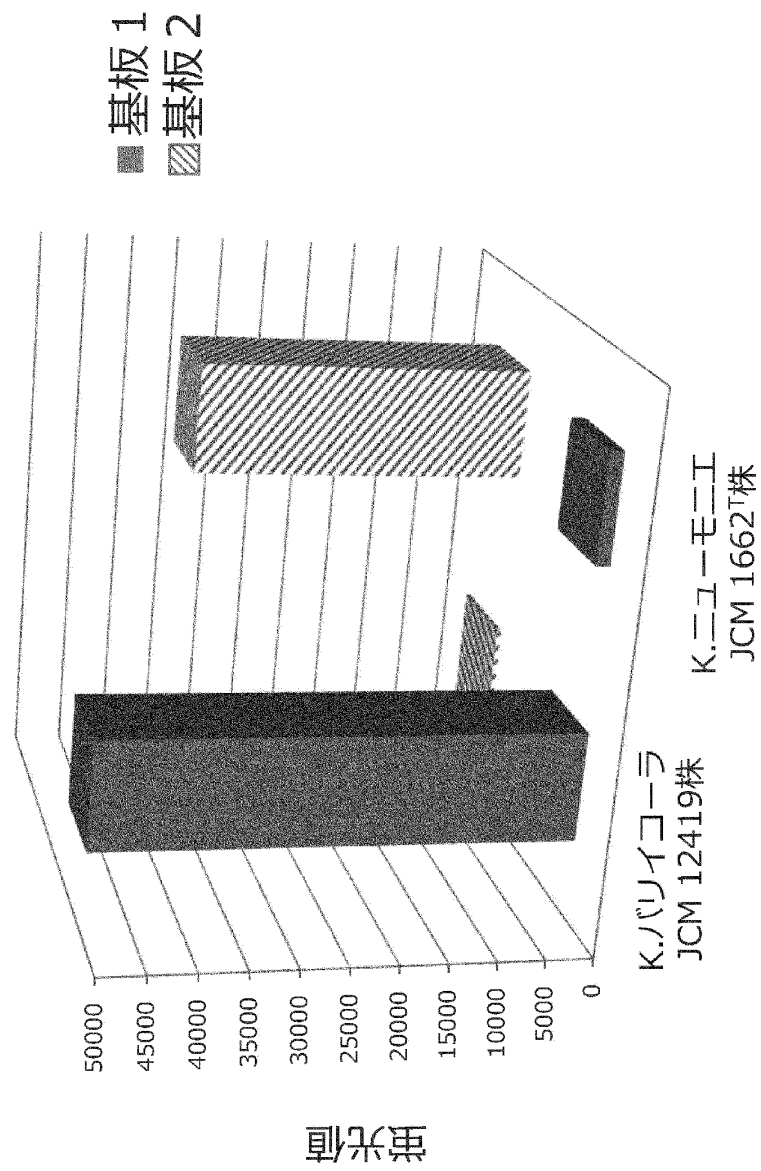
[図2]



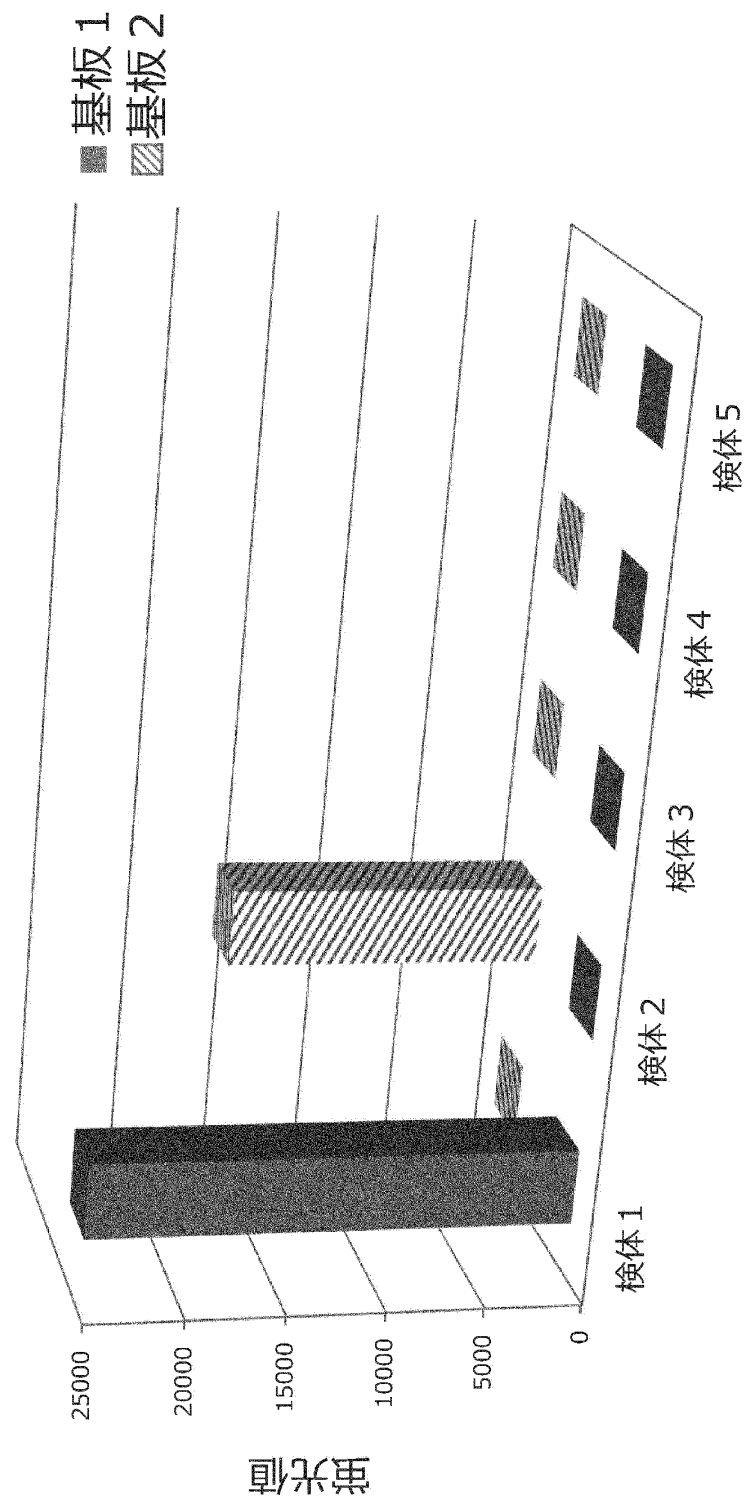
[図3]



[図4]



[図5]



WO 2021/201091

PCT/JP2021/013800

[図6]

KlebsiellavariicolastrainDSM15968	1	ATGTCGAATCTTATGACTCCTCCAGTATCAAAGTCTGAAAGGGCTGGATGCGGTGCGT	60
KlebsiellavariicolastrainMGH20	1	ATGTCGAATCTTATGACTCCTCCAGTATCAAAGTCTGAAAGGGCTGGATGCGGTGCGT	60
KlebsiellavariicolastrainX39	1	ATGTCGAATCTTATGACTCCTCCAGTATCAAAGTCTGAAAGGGCTGGATGCGGTGCGT	60
KlebsiellavariicolastrainDSM15968	61	AAGCGCCCGGGTATGTATATCGGCGACACGGATGACGGCACCGGTCTGCACCACATGGTA	120
KlebsiellavariicolastrainMGH20	61	AAGCGCCCGGGTATGTATATCGGCGACACGGATGACGGCACCGGTCTGCACCACATGGTA	120
KlebsiellavariicolastrainX39	61	AAGCGCCCGGGTATGTATATCGGCGACACGGATGACGGCACCGGTCTGCACCACATGGTA	120
KlebsiellavariicolastrainDSM15968	121	TTCGAGGTTGTGGATAACGCTATCGACGAAGCGCTCGCGGGTTACTGCAAAGATATCGTT	180
KlebsiellavariicolastrainMGH20	121	TTCGAGGTTGTGGATAACGCTATCGACGAAGCGCTCGCGGGTTACTGCAAAGATATCGTT	180
KlebsiellavariicolastrainX39	121	TTCGAGGTTGTGGATAACGCTATCGACGAAGCGCTCGCGGGTTACTGCAAAGATATCGTT	180
KlebsiellavariicolastrainDSM15968	181	GTCACCATCCACAGCGATAAATCCGTCTCCGTACAGGATGACGGTCGCGGCATCCCAACC	240
KlebsiellavariicolastrainMGH20	181	GTCACCATCCACAGCGATAAATCCGTCTCCGTACAGGATGACGGTCGCGGCATCCCAACC	240
KlebsiellavariicolastrainX39	181	GTCACCATCCACAGCGATAAATCCGTCTCCGTACAGGATGACGGTCGCGGCATCCCAACC	240
KlebsiellavariicolastrainDSM15968	241	GGCATTCAACCCGGAAGAGGGCGTCTCCGACGCGGAAGTTATCATGACCGTCTGCACGCC	300
KlebsiellavariicolastrainMGH20	241	GGCATTCAACCCGGAAGAGGGCGTCTCCGACGCGGAAGTTATCATGACCGTCTGCACGCC	300
KlebsiellavariicolastrainX39	241	GGCATTCAACCCGGAAGAGGGCGTCTCCGACGCGGAAGTTATCATGACCGTCTGCACGCC	300

[図7]

KlebsiellavariicolastrainDSM15968	1	CGGCGGTAAATTTGATGATAACTCCTATAAAGTGTCGCGCGGTCTGCACGGCGTAGGCGT	60
KlebsiellavariicolastrainMGH20	1	CGGCGGTAAATTTGATGATAACTCCTATAAAGTGTCGCGCGGTCTGCACGGCGTAGGCGT	60
KlebsiellavariicolastrainX39	1	CGGCGGTAAATTTGATGATAACTCCTATAAAGTGTCGCGCGGTCTGCACGGCGTAGGCGT	60
KlebsiellavariicolastrainDSM15968	61	CTCGGTGGTTAAACGCCCTGTGCGAGAAGCTGGAGCTGGTTATCCAGCGCGATAACAAAGT	120
KlebsiellavariicolastrainMGH20	61	CTCGGTGGTTAAACGCCCTGTGCGAGAAGCTGGAGCTGGTTATCCAGCGCGATAACAAAGT	120
KlebsiellavariicolastrainX39	61	CTCGGTGGTTAAACGCCCTGTGCGAGAAGCTGGAGCTGGTTATCCAGCGCGATAACAAAGT	120
KlebsiellavariicolastrainDSM15968	121	CCACAAACAGATTTATGTGACCGGTGTACCGCAGGCGCGCGTGGCGGTGACCGGCGAGAC	180
KlebsiellavariicolastrainMGH20	121	CCACAAACAGATTTATGTGACCGGTGTACCGCAGGCGCGCGTGGCGGTGACCGGCGAGAC	180
KlebsiellavariicolastrainX39	121	CCACAAACAGATTTATGTGACCGGTGTACCGCAGGCGCGCGTGGCGGTGACCGGCGAGAC	180
KlebsiellavariicolastrainDSM15968	181	CGATAAAACCGGCACCATGGTGCCTTTCTGGCCGAGCCATGAAACCTTCACCAACGTTAC	240
KlebsiellavariicolastrainMGH20	181	CGATAAAACCGGCACCATGGTGCCTTTCTGGCCGAGCCATGAAACCTTCACCAACGTTAC	240
KlebsiellavariicolastrainX39	181	CGATAAAACCGGCACCATGGTGCCTTTCTGGCCGAGCCATGAAACCTTCACCAACGTTAC	240
KlebsiellavariicolastrainDSM15968	241	TGAATTGCAATATGACATCCTGGCGAAAACGTCGCGCGAGCTGTGCTTCCGAACTCAGG	300
KlebsiellavariicolastrainMGH20	241	TGAATTGCAATATGACATCCTGGCGAAAACGTCGCGCGAGCTGTGCTTCCGAACTCAGG	300
KlebsiellavariicolastrainX39	241	TGAATTGCAATATGACATCCTGGCGAAAACGTCGCGCGAGCTGTGCTTCCGAACTCAGG	300

[図8]

KlebsiellavariicolastrainDSM15968	1	ACGCCGATCCATCCGAATATCTTCTATTTCTCCACCGAAAAAGACGGTATCGGCGTGGAA	60
KlebsiellavariicolastrainMGH20	1	ACGCCGATCCATCCGAATATCTTCTATTTCTCCACCGAAAAAGACGGTATCGGCGTGGAA	60
KlebsiellavariicolastrainX39	1	ACGCCGATCCATCCGAATATCTTCTATTTCTCCACCGAAAAAGACGGTATCGGCGTGGAA	60
KlebsiellavariicolastrainDSM15968	61	GTGGCGCTGCAGTGGAAACGACGGTTTCCAGGAAAACATCTACTGCTTTACCAACAACATT	120
KlebsiellavariicolastrainMGH20	61	GTGGCGCTGCAGTGGAAACGACGGTTTCCAGGAAAACATCTACTGCTTTACCAACAACATT	120
KlebsiellavariicolastrainX39	61	GTGGCGCTGCAGTGGAAACGACGGTTTCCAGGAAAACATCTACTGCTTTACCAACAACATT	120
KlebsiellavariicolastrainDSM15968	121	CCGACGCTGATGGCGGTACTACCTGGCGGGCTTCCGCGCGCGGATGACCCGTACCCCTC	180
KlebsiellavariicolastrainMGH20	121	CCGACGCTGATGGCGGTACTACCTGGCGGGCTTCCGCGCGCGGATGACCCGTACCCCTC	180
KlebsiellavariicolastrainX39	121	CCGACGCTGATGGCGGTACTACCTGGCGGGCTTCCGCGCGCGGATGACCCGTACCCCTC	180
KlebsiellavariicolastrainDSM15968	181	AACGCCATACATGGATAAAGAGGGCTACAGCAAAAAGCGAAAGTCAGCGCCACCGGCGAC	240
KlebsiellavariicolastrainMGH20	181	AACGCCATACATGGATAAAGAGGGCTACAGCAAAAAGCGAAAGTCAGCGCCACCGGCGAC	240
KlebsiellavariicolastrainX39	181	AACGCCATACATGGATAAAGAGGGCTACAGCAAAAAGCGAAAGTCAGCGCCACCGGCGAC	240
KlebsiellavariicolastrainDSM15968	241	GACGCGCTGAAGGTCTGATCGCGGTGGTATCGGTGAAAGTGCCGGATCCGAAATCTCTC	300
KlebsiellavariicolastrainMGH20	241	GACGCGCTGAAGGTCTGATCGCGGTGGTATCGGTGAAAGTGCCGGATCCGAAATCTCTC	300
KlebsiellavariicolastrainX39	241	GACGCGCTGAAGGTCTGATCGCGGTGGTATCGGTGAAAGTGCCGGATCCGAAATCTCTC	300

[図9]

```

KlebsiellavariicolastrainDSM15968 1 TGTACAAAGTGAAGAAAGGCAAGCAGGAACAGTACATTAAAGACGACGAAGCGATGGATC 60
KlebsiellavariicolastrainMGH20 1 TGTACAAAGTGAAGAAAGGCAAGCAGGAACAGTACATTAAAGACGACGAAGCGATGGATC 60
KlebsiellavariicolastrainX39 1 TGTACAAAGTGAAGAAAGGCAAGCAGGAACAGTACATTAAAGACGACGAAGCGATGGATC 60

KlebsiellavariicolastrainDSM15968 61 AGTATCAGATCGCTATCGCTCTTGACGGTGCGACCCCTGCATACCAACGCCAATGCGCCGG 120
KlebsiellavariicolastrainMGH20 61 AGTATCAGATCGCTATCGCTCTTGACGGTGCGACCCCTGCATACCAACGCCAATGCGCCGG 120
KlebsiellavariicolastrainX39 61 AGTATCAGATCGCTATCGCTCTTGACGGTGCGACCCCTGCATACCAATGCCAATGCGCCGG 120

KlebsiellavariicolastrainDSM15968 121 CGCTGGCGGGCGCAACCGCTGGAAAACTGGTTGCCGAGTTCAACGCCACCCAGAAAAATGA 180
KlebsiellavariicolastrainMGH20 121 CGCTGGCGGGCGCAACCGCTGGAAAACTGGTTGCCGAGTTCAACGCCACCCAGAAAAATGA 180
KlebsiellavariicolastrainX39 121 CGCTGGCGGGCGCAACCGCTGGAAAACTGGTTGCCGAGTTCAACGCCACCCAGAAAAATGA 180

KlebsiellavariicolastrainDSM15968 181 TTGGCCGCATGGAGCGCCGCTTCCCGAAAGCGATGCTGAAAGAGCTTATCTATCAGCCGA 240
KlebsiellavariicolastrainMGH20 181 TTGGCCGCATGGAGCGCCGCTTCCCGAAAGCGATGCTGAAAGAGCTTATCTATCAGCCGA 240
KlebsiellavariicolastrainX39 181 TTGGCCGCATGGAGCGCCGCTTCCCGAAAGCGATGCTGAAAGAGCTTATCTATCAGCCGA 240

KlebsiellavariicolastrainDSM15968 241 CCTTGACCGAGGCCGATCTGGCTGACGAGCAGAAGGTAACCCGCTGGGTGAACACCCCTGG 300
KlebsiellavariicolastrainMGH20 241 CCTTGACCGAGGCCGATCTGGCTGACGAGCAGAAGGTAACCCGCTGGGTGAACACCCCTGG 300
KlebsiellavariicolastrainX39 241 CCTTGACCGAGGCCGATCTGGCTGACGAGCAGAAGGTAACCCGCTGGGTGAACACCCCTGG 300

```

[図10]

```

KlebsiellavariicolastrainDSM15968 1 GGGCCGGAATATCGCCGTATCTGCACCTGGGCGAGAACTGCGCGGCTGATGGAAGAA 60
KlebsiellavariicolastrainMGH20 1 GGGCCGGAATATCGCCGTATCTGCACCTGGGCGAGAACTGCGCGGCTGATGGAAGAA 60
KlebsiellavariicolastrainX39 1 GGGCCGGAATATCGCCGTATCTGCACCTGGGCGAGAACTGCGCGGCTGATGGAAGAA 60

KlebsiellavariicolastrainDSM15968 61 GATGCCCTACATCGAGCGCGGCGAAACGCCGTCAGCCGGTAGCCAGCTTCGAGCAGGCCTCTC 120
KlebsiellavariicolastrainMGH20 61 GATGCCCTACATCGAGCGCGGCGAAACGCCGTCAGCCGGTAGCCAGCTTCGAGCAGGCCTCTC 120
KlebsiellavariicolastrainX39 61 GATGCCCTACATCGAGCGCGGCGAAACGCCGTCAGCCGGTAGCCAGCTTCGAGCAGGCCTCTC 120

KlebsiellavariicolastrainDSM15968 121 GACTGGCTGGTGAAGGAGTCCCGTCGCGGCTCTCTCCATCCAGCGCTATAAAGGTCTGGGC 180
KlebsiellavariicolastrainMGH20 121 GACTGGCTGGTGAAGGAGTCCCGTCGCGGCTCTCTCCATCCAGCGCTATAAAGGTCTGGGC 180
KlebsiellavariicolastrainX39 121 GACTGGCTGGTGAAGGAGTCCCGTCGCGGCTCTCTCCATCCAGCGCTATAAAGGTCTGGGC 180

KlebsiellavariicolastrainDSM15968 181 GAGATGAACCCGGATCAGCTGTGGGAAACCAACCATGGATCCGGACAGCCGCCGATGCTG 240
KlebsiellavariicolastrainMGH20 181 GAGATGAACCCGGATCAGCTGTGGGAAACCAACCATGGATCCGGACAGCCGCCGATGCTG 240
KlebsiellavariicolastrainX39 181 GAGATGAACCCGGATCAGCTGTGGGAAACCAACCATGGATCCGGACAGCCGCCGATGCTG 240

KlebsiellavariicolastrainDSM15968 241 CGCGTAACCGTTAAGGATCGGATCGCTGCCGACCAAGCTGTTCAACACCCCTGATGGGCGAT 300
KlebsiellavariicolastrainMGH20 241 CGCGTAACCGTTAAGGATCGGATCGCTGCCGACCAAGCTGTTCAACACCCCTGATGGGCGAT 300
KlebsiellavariicolastrainX39 241 CGCGTAACCGTTAAGGATCGGATCGCTGCCGACCAAGCTGTTCAACACCCCTGATGGGCGAT 300

```

[図11]

